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HARTZELL

Application Guide

Hartzell Propeller Inc.
One Propeller Place
Piqua, Ohio 45356-2634 U.S.A.
Phone: 937.778.4200
Fax: 937.778.4391

REVISION HIGHLIGHTS

Manual 159, Revision 39, dated February 2014

- Revised Cover, Revision Highlights, and List of Effective Pages as necessary
- Updated application information where applicable throughout the manual.
- Updated the mounting flange description for the Bantam Series Propellers

REVISION HIGHLIGHTS1. Introduction

A. General

- (1) This is a list of current revisions that have been issued against this manual. Please compare to RECORD OF REVISIONS page to ensure that all revisions have been added to the manual.
- (2) No change bars are used in the specific application information pages of this manual. Refer to the “Date” field of each individual application entry as an indicator of updated information since the previous published revision.

B. Components

- (1) Revision No. indicates the revisions incorporated in this manual.
- (2) Issue Date is the date of revision.
- (3) Comments indicates the level of the revision.
 - (a) New Issue is a new manual distribution. The manual is distributed in its entirety. All the revision dates are the same and no change bars are used.
 - (b) Reissue is a revision to an existing manual that includes major content and/or major format changes. The manual is distributed in its entirety. All the revision dates are the same and no change bars are used.
 - (c) Major Revision is a revision to an existing manual that includes major content or minor format changes over a large portion of the manual. The manual is distributed in its entirety. All the revision dates are the same, but change bars are used to indicate the changes incorporated in the latest revision of the manual.

NOTE: No change bars are used in the specific application information pages of this manual. Refer to the “Date” field of each individual application entry as an indicator of updated information since the previous published revision.

- (d) Minor Revision is a revision to an existing manual that includes minor content changes to the manual. Only the revised pages of the manual are distributed. Each page retains the date and the change bars associated with the last revision to that page.

<u>Revision No.</u>	<u>Issue Date</u>	<u>Comments</u>
Rev. 1	Jul/02	Major Revision
Rev. 2	Feb/04	Reissue
Rev. 3	Oct/04	Major Revision
Rev. 4	Apr/05	Major Revision
Rev. 5	Jun/05	Major Revision
Rev. 6	Dec/06	Major Revision
Rev. 7	Oct/07	Major Revision
Rev. 8	Apr/08	Major Revision
Rev. 9	Oct/08	Major Revision
Rev. 10	Feb/09	Major Revision
Rev. 11	Apr/09	Major Revision
Rev. 12	Aug/09	Major Revision
Rev. 13	Oct/09	Major Revision
Rev. 14	Dec/09	Major Revision
Rev. 15	Feb/10	Major Revision
Rev. 16	Apr/10	Major Revision
Rev. 17	Jun/10	Major Revision
Rev. 18	Aug/10	Major Revision
Rev. 19	Oct/10	Major Revision
Rev. 20	Dec/10	Major Revision
Rev. 21	Feb/11	Major Revision
Rev. 22	Apr/11	Major Revision
Rev. 23	Jun/11	Major Revision
Rev. 24	Aug/11	Major Revision
Rev. 25	Oct/11	Major Revision
Rev. 26	Dec/11	Major Revision
Rev. 27	Feb/12	Major Revision
Rev. 28	Apr/12	Major Revision
Rev. 29	Jun/12	Major Revision
Rev. 30	Aug/12	Major Revision
Rev. 31	Oct/12	Major Revision
Rev. 32	Dec/12	Major Revision
Rev. 33	Feb/13	Major Revision
Rev. 34	Apr/13	Major Revision
Rev. 35	Jun/13	Major Revision
Rev. 36	Aug/13	Major Revision
Rev. 37	Oct/13	Major Revision
Rev. 38	Dec/13	Major Revision
Rev. 39	Feb/14	Major Revision

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LIST OF EFFECTIVE PAGES

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INTRODUCTION1. Statement of Purpose

- A. The purpose of this publication is to provide a summary of information for existing aircraft applications that use Hartzell Propeller Inc. propellers.
- B. This publication is compiled and issued by Hartzell Propeller Inc., Piqua, OH.
- C. Contact the Product Support Department of Hartzell Propeller Inc. concerning any maintenance problems or to request information not covered in this publication.
 - (1) Hartzell Propeller Inc. Product Support may be reached during business hours (8:00 a.m. through 5:00 p.m., United States Eastern Time) at (937) 778-4379.
 - (2) After business hours, you may leave a message on our 24 hour product support line at (937) 778-4376. AOG support is also available 24 hours per day, seven days per week via this message service. Additional information is available on the Hartzell Propeller Inc. website at www.hartzellprop.com.

NOTE: When calling from outside the United States, dial (001) before dialing the above telephone numbers.

- C. This manual is to be used in propeller repair stations by personnel who are trained and experienced with Hartzell Propeller Inc. products. This manual does not provide complete information for an inexperienced technician to attempt propeller overhaul without supervision.
- D. This manual does not contain propeller or blade overhaul procedures. Refer to the appropriate Hartzell Propeller Inc. manual for propeller or blade overhaul. Information published in Service Bulletins, Service Letters, Service Advisories, and Service Instructions may supersede information published in this manual. The reader must consult active Service Bulletins, Service Letters, Service Advisories, and Service Instructions for information concerning these procedures that may have not yet been incorporated into the latest revision of this manual.
- E. This manual refers to other Hartzell Propeller Inc. manuals that provide important details for procedures such as anodizing, penetrant inspection, and overhaul procedures for aluminum hubs.
- F. Where possible, this manual is written in the format specified by ATA Specification iSpec2200.
- G. This manual contains an Appendix chapter that is meant to be used as a quick reference to more detailed information contained in the Application Information chapter of this manual.

2. Disclaimer

- A. The information contained in this publication provides a breakdown of the model designations used for Hartzell Propeller Inc. propellers and propeller blades in a summarized form.
- B. Parentheses shown in the model designations in this or other Hartzell Propeller Inc. publications indicate letter(s) and/or number(s) that may or may not be present because of different configurations permitted on the various aircraft installations. Definitions of propeller model designations and further details of letters that may be present are shown in this chapter.
- C. The information in this publication is FAA accepted technical data. Because the information contained in this document is frequently changing, always consult Hartzell Propeller Inc. service manuals, aircraft and propeller Type Certificates (TC), Supplemental Type Certificates (STC), and/or engineering blueprints for precise and accurate information when determining installation eligibility. If installation eligibility is not identifiable, an additional installation approval, such as a FAA Form 337 field approval or Supplemental Type Certificate may be required. TC and STC holders may change an STC without notifying Hartzell Propeller Inc., and this can result in a change to data or installation eligibility contained in this manual that is not known to Hartzell Propeller Inc.
- D. This publication contains only Placard/Restriction information known to Hartzell Propeller Inc. Although the Placard/Restriction field may be blank you must check for other placards or restrictions required by the aircraft manufacturer or by FAA documents such as Type Certificate Data Sheets, Supplemental Type Certificates, and Airworthiness Directives. Always consult all available sources to verify placards and restrictions that might affect propeller operation.
- E. The approved de-ice boots, anti-ice feed shoes, de-ice kits, and anti-ice kits are supplied for the applications in this manual. Refer to Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80) for approved components of these kits. Hartzell Propeller Inc. Service Letters HC-SL-30-259 and HC-SL-30-260 provide additional listings of approved de-ice and anti-ice components.
- F. Please bring errors to our attention by contacting Hartzell Propeller Inc. via fax (937.778.4391) or e-mail (techsupport@hartzellprop.com), including the approved source where correct information can be verified.
- G. **Information in all chapters of this manual is subject to change and may not be complete or current.**
- H. This application guide replaces all previous application guide data provided by Hartzell Propeller Inc

3. Required Publications

A. Hartzell Propeller Inc. Publications

- (1) In addition to this manual, the propeller overhaul manual and one or more of the following publications are required for information regarding specific recommendations and procedures to maintain propeller assemblies.
- (2) Information published in Service Bulletins, Service Letters, Service Advisories, and Service Instructions may supersede information published in this manual. The reader must consult active Service Bulletins, Service Letters, Service Advisories, and Service Instructions for information concerning these procedures that may have not yet been incorporated into the latest revision of this manual.

<u>Manual No.</u>	<u>ATA No.</u>	<u>Title</u>
Manual 127	61-16-27	Hartzell Propeller Inc. Metal Spinner Assembly Maintenance Manual
Manual 133C	61-13-33	Hartzell Propeller Inc. Aluminum Blade Overhaul Manual
Manual 135F	61-13-35	Hartzell Propeller Inc. Maintenance Manual for Composite Propeller Blades
Manual 148	61-16-48	Hartzell Propeller Inc. Composite Spinner Maintenance Manual
Manual 165	61-00-65	Hartzell Propeller Inc. Illustrated Tool and Equipment Manual
Manual 180	30-61-80	Hartzell Propeller Inc. Propeller Ice Protection System Manual
Manual 181	30-60-81	Hartzell Propeller Inc. Propeller Ice Protection Component Maintenance Manual
Manual 182	61-12-82	Hartzell Propeller Inc. Propeller Electrical De-Ice Boot Removal and Installation Manual
Manual 183	61-12-83	Hartzell Propeller Inc. Propeller Anti-Icing Boot Removal and Installation Manual
Manual 202A	61-01-02	Hartzell Propeller Inc. Standard Practices - Volumes 1 through 11

- (2) For Hartzell Propeller Inc. service literature and revisions, contact:

Hartzell Propeller Inc.
 Attn: Service Documents Secretary
 One Propeller Place
 Piqua, Ohio 45356-2634 U.S.A

Telephone: 937.778.4200
 Fax: 937.778.4391

4. Personnel Requirements

A. Inspection, Repair, and Overhaul

- (1) Compliance to the applicable regulatory requirements established by the Federal Aviation Administration (FAA) or international equivalent is mandatory for anyone performing or accepting responsibility for any inspection and/or repair and/or overhaul of any Hartzell Propeller Inc. product.
- (2) Any person signing for or performing inspections, repairs and/or overhauls to Hartzell Propeller Inc. parts should be very familiar with the objectives and procedures associated with the inspecting, repair, and/or overhaul of parts.
- (3) It is strongly recommended that the individuals taking the responsibilities for or performing the tasks of inspecting, repairing, and/or overhauling of parts attend Hartzell Propeller Inc. Factory Training Classes.
- (4) To keep abreast of the new techniques for the inspection, repair, and overhaul of parts, it is strongly recommended that training be completed at least once every three years, with intermediate classes occurring as the need arises. Contact the Hartzell Propeller Inc. Product Support Department for class dates, arrangements, and information.

NOTE: All persons who complete factory training will be provided with a "Certificate of Factory Training". A copy of each certificate is on file at Hartzell Propeller Inc.

5. Definitions

WARNING: ANY PART IDENTIFIED IN THIS MANUAL AS AN EXPERIMENTAL OR NON-AVIATION PART MUST NOT BE USED IN AN FAA OR INTERNATIONAL EQUIVALENT TYPE CERTIFICATED PROPELLER. A PART IDENTIFIED AS EXPERIMENTAL OR NON-AVIATION DOES NOT HAVE FAA OR INTERNATIONAL EQUIVALENT APPROVAL. USE ONLY THE APPROVED ILLUSTRATED PARTS LIST PROVIDED IN THE APPLICABLE OVERHAUL MANUAL OR ADDITIONAL PARTS APPROVED BY AN FAA ACCEPTED DOCUMENT FOR ASSEMBLY OF A PROPELLER. THE OPERATOR ASSUMES ALL RISK ASSOCIATED WITH THE USE OF EXPERIMENTAL PARTS. USE OF EXPERIMENTAL PARTS ON AN AIRCRAFT MAY RESULT IN DEATH, SERIOUS BODILY INJURY, AND/OR SUBSTANTIAL PROPERTY DAMAGE.

Aviation Certified Intended for FAA or international equivalent type certificated aircraft applications. A TC and PC number must be stamped on the hub, and a PC number must be stamped on blades.

Aviation Experimental Intended for aircraft/propeller applications not certified by the FAA or international equivalent. Products marked with an "X" at or near the end of the model number, part number, or serial number are not certified by the FAA or international equivalent and are not intended to use on certificated aircraft.

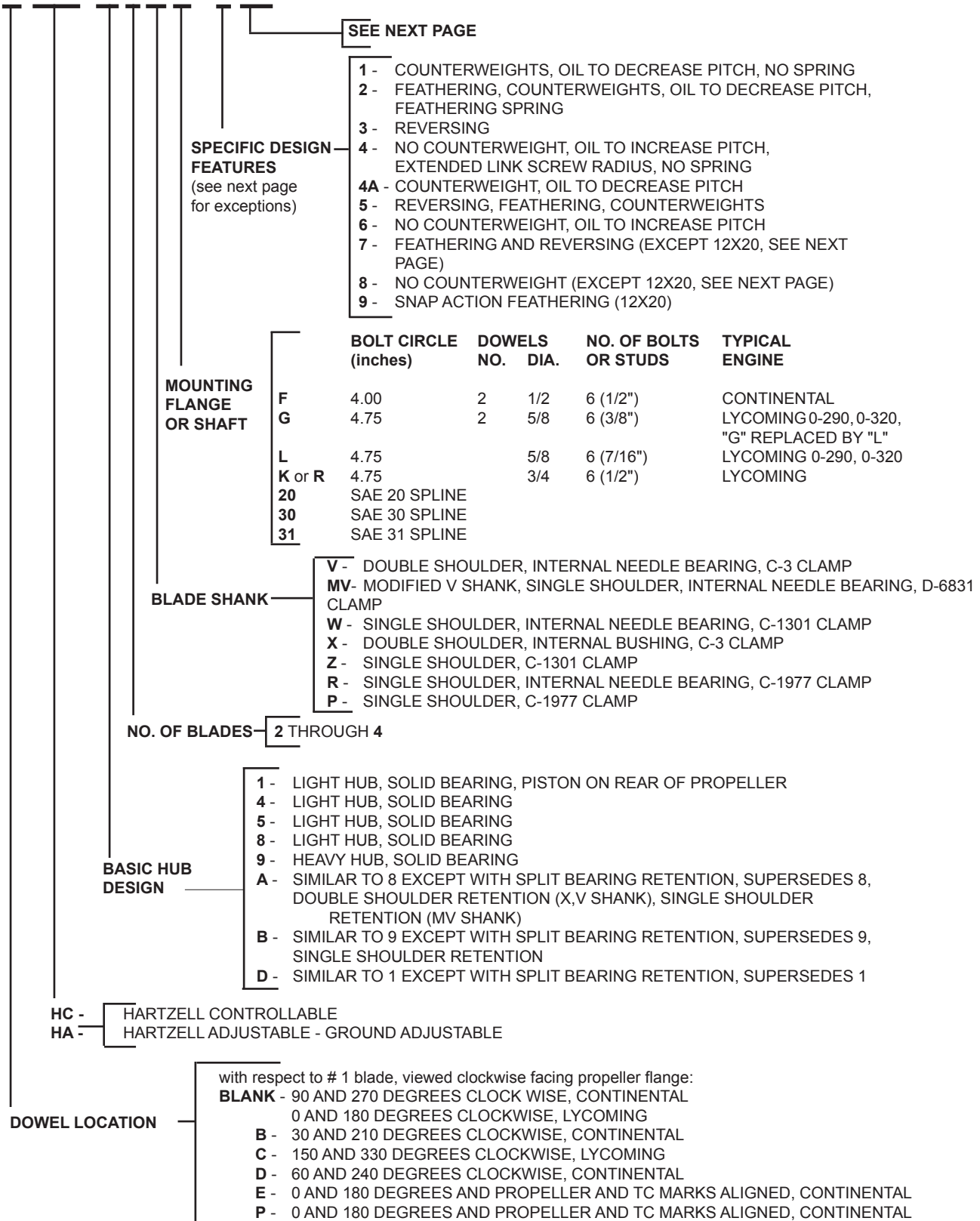
Non-Aviation Certified Intended for non-aircraft application, such as Hovercraft or Wing in Ground Effect (WIG) applications. These products are certificated by an authority other than FAA. The hub and blades will be stamped with an identification that is different from, but comparable to TC and PC.

Non-Aviation Experimental Intended for non-aircraft application, such as Hovercraft or Wing In Ground effect (WIG) applications. Products marked with an "X" at or near the end of the model number, part number, or serial number are not certified by any authority and are not intended for use on certificated craft.

6. Propeller Model Designation:

A. Steel Hub, Reciprocating Engine

B HC - A 2 X F - 1 D1



A. Steel Hub, Reciprocating Engine, (Continued)

BHC-A2XF-1D1

┆
MINOR
MODIFICATION

FLANGED:

HC-82(X.V)(F.G.K.L)-1. -6

- 1 Counterweights, non-feathering, oil pressure to decrease pitch, no spring
- 6 No counterweights, non-feathering, oil pressure to increase pitch, no spring
- B - 4 DOWEL LOCATIONS (F-flange only)
- D - 834-4 GUIDE COLLAR
- F - 834-9 GUIDE COLLAR
- L - LEFT HAND ROTATION
- 1 - A-14-B BEARING (others use A-14A)

HC-82(X.V)(F.G.K.L)-2

- 2 Counterweights, feathering, oil pressure to decrease pitch, spring
- B - INITIAL MODEL
- C - K-2C: DIFFERENT HUB, MOUNTING BOLTS, PITCH STOP
- C - L-2C DIFFERENT HUB, MOUNTING BOLTS, PITCH STOP
- C - F-2C DIFFERENT SPRING ASSY.
- 1 - A-14-B BEARING (others use A-14A)

HC-A2(X.V.MV)(F.K.L)-1. -6

- 1 Counterweights, non-feathering, oil pressure to decrease pitch, no spring
- 6 No counterweights, non-feathering, oil pressure to increase pitch, no spring
- 1A - DIFFERENT HUB, PISTON , SPINNER

HC-A2(X.V.MV)(F.K.L)-2

- A - DIFFERENT SPRING ASSY.
- B - DIFFERENT SPRING ASSY., DIFFERENT SPINNER, 830-12 STOP UNIT

HC-92(Z.W)(F.K)-1. -8

- 1 Counterweights, non-feathering, oil pressure to decrease pitch, no spring
- 8 No counterweights, non-feathering, oil pressure to increase pitch, no spring
- D - INITIAL MODEL
- D1- INITIAL MODEL
- E - DIFFERENT HUB, A-1338 SPINNER MOUNTING BRACKETS
- L - LEFT HAND ROTATION

HC-92(Z.W)(F.K)-2

- A - INITIAL MODEL
- F-2B - 830-9 STOP UNIT, DIFFERENT SPINNER
- K-2B - DIFFERENT HUB, STOP UNIT, MTG. BOLTS
- L - LEFT HAND ROTATION

HC-83(X.V)F-2

- A - INITIAL MODEL
- B - DIFFERENT COUNTERWEIGHT, SPRING, PISTON
- 1 - A-14-B BEARING (others use A-14A)
- L - LEFT HAND ROTATION

HC-83(X.V)F-3

- A - FOR LYCO GO-480, B-1457 REVERSE VALVE
- B - FOR BOEING ENGINE, B-1470 REVERSE VALVE
- L - LEFT HAND ROTATION

HC-A3(X.V.MV)(F.K)-2

- A - 838-1060 CLAMP ASSY.
- B - 838-1011A CLAMP ASSY.
- C - 838-1006 CLAMP ASSY.
- D - 838-1023 CLAMP ASSY.

HC-A3(V.MV)(F.K)-4

- Non-feathering, oil to increase pitch, no counterweights but have counterweight-like arm to connect link arms to side of clamp
- NO MINOR MODIFICATIONS/LETTER CHANGES

HC-A3(V.MV)F-5

- A - FOR LYCO GO-480, 838-1077 CLAMP ASSEMBLY, B-1457 REVERSE VALVE
- B - FOR ALLISON, 838-1080 CLAMP ASSEMBLY, C-3614 REVERSE VALVE
- L - LEFT HAND ROTATION

()HC-A3(V.MV)F-5R

- R - BETA RING
- HC - FOR LYCO GO-480
- PHC - FOR CONT TSIO-520, B-2984-3 HUB SPACER, A-3419-5 STOP PLATES, D-5494 REVERSING PARTS

HC-B3(Z.W)F-2

- A - 838-17 CLAMP ASSY.
- B - 838-17 CLAMP, 832-14 PISTON, 831-8 SPRING

A. Steel Hub, Reciprocating Engine, (Continued)

BHC-A2XF-1D1

MINOR
MODIFICATION

20 SPLINE:

HC-12(X,V)20-(1,4,5,6)

Counterweighted, pressure to decrease pitch. Non-rotating piston sealed by O-rings actuates propeller, uses valve with engine oil pressure.

- 1 ORIGINAL MODEL FOR CONT E-185, 10-14° PITCH RANGE, BRACKET MOUNTED CYLINDER
- 4 IDENTICAL TO -1 EXCEPT SPLINE MOUNTED CYL
- 5 IMPROVED -1, PITCH CHANGE LINKS REPLACED BY PUSH RODS AND FORKS
- 6 IDENTICAL TO -5 EXCEPT SPLINE MOUNTED CYL

HC-12(X,V)20-2

Counterweighted, reversing, pressure to decrease pitch. Non-rotating piston sealed by O-rings actuates propeller, uses valve with engine oil pressure.

33° Pitch range, Spline mounted 7-5/8" Dia. Cylinder
NO MINOR MODIFICATIONS/LETTER CHANGES

HC-12(X,V)20-3

Counterweighted, reversing, pressure to decrease pitch. Non-rotating piston sealed by O-rings actuates propeller, uses valve with engine oil pressure.

- 3 8-7/8" Diameter cyl., 4.65" long counterweights
- A - 4.5" LONG COUNTERWEIGHTS WITH NO NOTCH FOR HUB NUT, USES 1/8" SPACER ON CTWT
- C - 4.5" LONG COUNTERWEIGHTS WITH NOTCH FOR HUB NUT CLEARANCE
- D - SAME AS -3C EXCEPT 91-3D HYDRAULIC UNIT
- E - 4.5" LONG COUNTERWEIGHTS WITH NOTCH FOR HUB NUT CLEARANCE

HC-12(X,V)20-(7,8)

Counterweighted, pressure to decrease pitch. Non-rotating piston sealed by diaphragm actuates propeller, can use either governor or valve with engine oil pressure.

- A - C-49-1A HUB, B-109-3 JACK ASSY.
- B - C-49-2(A,B) HUB, B-109-4 JACK ASSY.
- C - A-96 FORK, A-95 BLOCK, A-98B LINKSCREW
- D - A-821 FORK, A-95A BLOCK, A-295 LINKSCREW
- E - A-96 FORK, A-95 BLOCK, A-295 LINKSCREW
- 7D - USES C-91-7D HYD.UNIT
- 8D - USES C-91-8D HYD.UNIT

HC-A2(X,V,MV)20-1

NO MINOR MODIFICATIONS/LETTER CHANGES

HC-A2(X,V,MV)20-2

NO MINOR MODIFICATIONS/LETTER CHANGES

HC-A2(X,V,MV)20-3L

Feathering, reversing with beta ring

- A - FOR LYC GO480 ENGINE, A-4117 REVERSING VALVE ASSY
- B - FOR LYC GO435 ENGINE, A-2372 REVERSING VALVE ASSY
- L - LEFT HAND ROTATION

HC-A2(X,V,MV)20-4A1

Counterweighted, pressure to decrease pitch, oil transfer unit ports governor oil over engine shaft OD to propeller piston

- A - USES A-224() OIL TRANSFER UNIT, 834-10 GUIDE COLLAR
- B - DISCONTINUED, 834-11 GUIDE COLLAR
- 1 - LATEST SEAL KIT FOR OIL TRANSFER UNIT

HC-A2(X,V,MV)20-1

- A - 834-3A GUIDE COLLAR

HC-A2(X,V,MV)20-5L

Feathering, reversing with beta valve assy

- L - LEFT HAND ROTATION

HC-D2(X,V,MV)20-3

Identical to HC-12(X,V)20-3E except hub arms
NO MINOR MODIFICATIONS/LETTER CHANGES

HC-D2(X,V,MV)20-(7,8)

Identical to HC-12(X,V)20-(7,8) except hub arms

- A - C-49-1A HUB, B-109-3 JACK ASSY.
- B - C-49-2(A,B) HUB, B-109-4 JACK ASSY.
- C - A-96 FORK, A-95 BLOCK, A-98B LINKSCREW
- D - A-821 FORK, A-95A BLOCK, A-295 LINKSCREW
- E - A-96 FORK, A-95 BLOCK, A-295 LINKSCREW
- 7D - USES C-91-7D HYD.UNIT
- 8D - USES C-91-8D HYD.UNIT

HC-13(X,V)20-(5,6)L

Counterweighted, non feathering, oil pressure to low pitch

- 5 91-5L Hydraulic unit
- 6 91-6L Hydraulic unit
- L - LEFT HAND ROTATION

HC-D3(X,V,MV)20-6L

Identical to HC-13(X,V)20-6L except hub arms

- L - LEFT HAND ROTATION

HC-83(X,V)20-1

- A - A-50-5 CONE, B-1378-5 PISTON
- B - A-50-3 CONE, B-1378-1 PISTON
- C - A-50-3 CONE, B-1378-4 PISTON
- E - EXPERIMENTAL
- 1 - A-14-B BEARING (others use A-14A)

A. Steel Hub, Reciprocating Engine, (Continued)

BHC-A2XF-1D1

MINOR
MODIFICATION

20 SPLINE (CONTINUED):

HC-83(X,V)20-2

- A - 838-4 CLAMPS, 832-13 PISTON, 831-7 SPRING
- B - 838-5 CLAMPS
- C - (With 8433 blades) 838-5 CLAMPS, 832-14 PISTON
- C - (With 9333 blades) 838-1023 CLAMPS, 832-14 PISTON, 831-11 SPRING
- L - LEFT HAND ROTATION
- 1 - A-14-B BEARING (others use A-14A)

HC-A3(X,V,MV)20-1

- A - OBSOLETE, RBY -1B
- B - A-50-3 CONE
- C - OBSOLETE, RBY -1D
- D - A-50-5 CONE
- E - A-50-5 CONE, 838-1025R CLAMP
- F - SAME AS "E" EXCEPT DIFFERENT SPINNER

HC-A3(X,V,MV)20-2

- 2 (With 8433 blades) 838-1006 CLAMPS, 830-5 START LOCK ASSEMBLY
- 2 (With 9333 blades) 838-1023 CLAMPS
- 2 (With 9333CH blades) 838-1023 CLAMPS, 830-18 START LOCK ASSEMBLY
- A - NO STOPS
- L - LEFT HAND ROTATION

HC-A3(X,V,MV)20-3L

Feathering, reversing with beta ring

- L - LEFT HAND ROTATION

HC-93Z20-2C1

INITIAL MODEL, NO MINOR CHANGES

HC-B3(Z,W)20-1

NO MINOR MODIFICATIONS/LETTER CHANGES

HC-B3(Z,W,R)20-(1.2)

- 1F Counterweights, spacer to prevent feathering, oil pressure to decrease pitch, spring
- 2 Counterweights, feathering, oil pressure to decrease pitch, spring
- A - FOR GSO-480 ENG, 838-17E CLAMPS, 831-86 SPRING ASSEMBLY
- B - (With Z or W-Shank Blades) FOR R-680 ENG, 838-16 CLAMPS, 831-81 SPRING ASSY
- B - (With R-Shank Blades) FOR R-755 ENG, 838-74 CLAMPS

HC-B3(Z,W,R)20-4

Non-feathering, oil to increase pitch, no counterweights but have counterweight-like arm to connect link arms to side of clamp

NO MINOR MODIFICATIONS/LETTER CHANGES

30 SPLINE:

HC-B3(W,Z,R,P)30-(1.2)

- 1 Non-feathering with A-1869 spacer, oil to decrease pitch, spring, counterweights
- 2 Feathering, oil to decrease pitch, spring, counterweights
- B - 831-88 SPRING ASSY, 838-17 CLAMP, B-1368-1 PISTON, B-854 CYLINDER
- BL- LEFT HAND ROTATION
- BS- 840-113 HUB, B-854-2 CYLINDER
- E - 831-87 SPRING ASSY, B-1368-3 PISTON, B1803-1 CYLINDER
- EA- 10152-5.5 BLADES
- EB- 10160-6 BLADES

HC-B3(W,Z)30-4

Non-feathering, oil to increase pitch, no counterweights but have counterweight-like arm to connect link arms to side of clamp

NO MINOR MODIFICATIONS/LETTER CHANGES

HC-B3R30-4(A,B)

Non-feathering, oil to increase pitch, 831-90 spring to decrease pitch with A-2420() Spacer for low pitch stop. No counterweights but have counterweight-like arm to connect link arms to side of clamp

- A - B-1368-3L PISTON
- B - B-1368-13L PISTON

B. Steel Hub, Turbine Engine

HC - B 3 T N - 3 DY

SEE NEXT PAGE

SPECIFIC DESIGN FEATURES

- 1 - CONSTANT SPEED, COUNTERWEIGHT, OIL TO DECREASE PITCH
- 2 - FEATHERING, CONSTANT SPEED, COUNTERWEIGHT
- 3 - CONSTANT SPEED, FEATHERING, REVERSING, EXTERNAL BETA (PT-6, LTP-101 ENGINES)
- 4 - CONSTANT SPEED, NO COUNTERWEIGHT, OIL TO INCREASE PITCH, EXTENDED LINK SCREW RADIUS
- 5 - CONSTANT SPEED, FEATHERING, REVERSING, INTERNAL BETA, "START LOCKS" (TPE-331 ENGINES)
- 7 - CONSTANT SPEED, FEATHERING, REVERSING, INTERNAL BETA ALLISON ENGINES, BETA VALVE C-3630; F-7 ALLISON, N-7 ASTAZOU

MOUNTING FLANGE

	BOLT CIRCLE (inches)	DOWELS number	BOLTS or STUDS number
A -	5.125	2 (5/8")	12 (9/16")
N -	4.25	2 (1/2")	8 (9/16")
P -	4.25	4 (1/2")	8 (9/16")
F -	4.00	2 (1/2")	6 (1/2")
W -	4.25	2 (1/2")	8 (9/16")

BLADE SHANK

- M** - TWO NEEDLE BEARINGS, C-1977 CLAMP
- P** - BRONZE SLEEVE, C-1977 CLAMP
- R** - ONE NEEDLE BEARING, C-1977 CLAMP
- T** - TWO NEEDLE BEARINGS, C-1301 CLAMP
- V** - NEEDLE BEARING, DOUBLE SHOULDER, C-3 CLAMP
- W** - INTERNAL NEEDLE BEARING C-1301 CLAMP
- MV** - MODIFIED V SHANK, SINGLE SHOULDER, INTERNAL NEEDLE BEARING, D-6831 CLAMP

NO. OF BLADES — 3 THROUGH 5

BASIC DESIGN

- A** - SINGLE SHOULDER RETENTION - MV SHANK
DOUBLE SHOULDER RETENTION - V SHANK
- B** - SINGLE SHOULDER RETENTION

HC — HARTZELL CONTROLLABLE

B. Steel Hub, Turbine Engine, (Continued)

HC - B 3 T N - 3 DY

T
MINOR
MODIFICATIONS

HC-A3(V,MV)F-7

- A - ADDITION OF A-1869 SPACER - NON-FEATHERING
- B - 838-1113 CLAMP ASSEMBLY, B-3663-3 SLUGS (SI 151)

HC-B3TF-7

- A - 838-93 CLAMP ASSEMBLY
- B - ADDITION OF A-1869 SPACER, NON-FEATHERING
- C - A-719 WASHERS

HC-B3(T,W)N-2

- B - NON-POLISHED SPINNER, BEECH MODEL 90
- F - C-3065-15P SPINNER, C-3003-4 SPINNER MTG PLATE
- L - LEFT HAND ROTATION

HC-B3TN-3

- A - 831-23A, -47, -46 SPRING ASSEMBLY, B-3002 RODS (NEW PRODUCTION: 831-82 SPRING, B-3475A-2 RODS)
- B - 831-19 SPRING ASSEMBLY, B-3002 RODS (NEW PRODUCTION: 831-79 SPRING, B-3475A-2 RODS)
- C - SAME AS -3B EXCEPT 831-23A, -47, -46 SPRING ASSEMBLY (NEW PRODUCTION: 831-82 SPRING, B-3475A-2 RODS)
- D - SAME AS -3C EXCEPT 831-33 SPRING ASSEMBLY (NEW PRODUCTION: 831-82 SPRING)
- E - SAME AS -3C EXCEPT B-3475A-10 LOW STOP ROD UNIT
- F - SAME AS -3E EXCEPT 838-88 CLAMP ASSEMBLY (B-3007-2 COUNTERWEIGHTS)
- G - SAME AS -3C EXCEPT 838-88 CLAMP ASSEMBLY (B-3007-2 COUNTERWEIGHTS)
- H - SAME AS -3B EXCEPT A-1851 BEARINGS, COUNTERWEIGHT SLUGS, COUNTERWEIGHT ANGLE
- K - SAME AS -3C EXCEPT EXTERNAL FEATHER STOP (S.I. 160)
- L - LEFT HAND ROTATION
- M - SAME AS -3B EXCEPT EXT. FEATHER STOP (S.I. 160)
- N - SAME AS -3G EXCEPT EXT. FEATHER STOP (S.I. 160)
- P - SAME AS -3H EXCEPT EXT. FEATHER STOP (S.I. 160)
- S - STOP MOUNTING KIT A-3432-3
- Y - STOP MOUNTING KIT PER CHART
- Z - SAME AS -3N EXCEPT DIFFERENT SPINNER AND BLADES

HC-B3TN-5

- C - 840-87 STEPPED HUB FLANGE, 831-30, -48, -45 SPRING ASSY. (NEW PRODUCTION: 831-75 SPRING)
- D - SAME AS -5C EXCEPT 838-71 CLAMP ASSEMBLY
- E - SAME AS -5C EXCEPT B-1368-12 PISTON ASSEMBLY AND 834-12 GUIDE COLLAR
- F - SAME AS -5D EXCEPT B-1368-12 PISTON ASSEMBLY AND 834-12 GUIDE COLLAR
- G - SAME AS -5E EXCEPT A-3757 STOP PLATES
- K - SAME AS -5F EXCEPT 838-95 CLAMP ASSEMBLY
- L - LEFT HAND ROTATION
- M - SAME AS -5C, 5E, 5G EXCEPT 834-60 HUB, 834-23 GUIDE COLLAR, AND 830-37 GUIDE COLLAR MOUNTED **START LOCK ASSEMBLY**
- N - SAME AS -5D, 5F EXCEPT 834-60 HUB, 834-23 GUIDE COLLAR, AND 830-41 GUIDE COLLAR MOUNTED **START LOCK ASSEMBLY**
- P - SAME AS -5K EXCEPT 834-60 HUB, 834-23 GUIDE COLLAR, AND 830-37 GUIDE COLLAR MOUNTED **START LOCK ASSEMBLY**
- U - SAME AS -5M EXCEPT DIFFERENT BLADE

HC-B4MN-3

- A - 838-103 CLAMP ASSEMBLY
- L - LEFT HAND ROTATION

HC-B4MN-5

- A - A-3495 STOP PLATE, 838-97L CLAMP ASSEMBLY, 832-44L PISTON ASSEMBLY
- L - LEFT HAND ROTATION

HC-B4MP-3

- A - D-4846P SPINNER ASSEMBLY, 838-109 CLAMP ASSEMBLY
- B - B-3334 BETA RING UNIT, C-3425-38 SPINNER ASS'Y
- C - D-5519-P SPINNER ASSEMBLY
- L - LEFT HAND ROTATION

HC-B4TN-3

- A - B-3475-3 LOW STOP ROD UNIT ALTERNATE B-3475-3, B-3002-3, B-3001-3 COLLAR, OPTIONAL 838-89 CLAMP ASSEMBLY
- B - SAME AS -3A EXCEPT B-3334 COLLAR
- C - SAME AS -3A EXCEPT 838-105 CLAMP ASSEMBLY
- L - LEFT HAND ROTATION

HC-B4TN-5

- A - MINOR MODIFICATION
- C - C-3317-121 PILOT TUBE 'O' RING (C & subsequent)
- D - SAME AS -5C EXCEPT 838-92L CLAMP
- E - SAME AS -5D EXCEPT 838-98L CLAMP
- F - SAME AS -5C EXCEPT 840-139 HUB, C-3492 SPINNER MOUNTING PLATE, 830-34 **START LOCK ASSEMBLY**
- G - SAME AS -5D EXCEPT 840-139 HUB, C-3492 SPINNER MOUNTING PLATE, 830-34 **START LOCK ASSEMBLY**
- H - SAME AS -5E EXCEPT 840-139 HUB, C-3492 SPINNER MOUNTING PLATE, 830-34 **START LOCK ASSEMBLY**
- J - SAME AS -5G EXCEPT 832-44 PISTON ASSEMBLY, 834-13 GUIDE COLLAR
- K - SAME AS -5H EXCEPT 832-44 PISTON ASSEMBLY, 834-13 GUIDE COLLAR
- L - LEFT HAND ROTATION
- M - SAME AS -5J EXCEPT D-3434-7P SPINNER ASSEMBLY
- N - SAME AS -5K EXCEPT BLADES AND COUNTERWEIGHTS

HC-B5MP-3

- A - C-3317-121 PILOT TUBE 'O' RING, A-880-2A PISTON NUT, B-831-50 SPRING ASSEMBLY, 832-39 PISTON ASSEMBLY, 834-19 GUIDE COLLAR, C-4019-1 BETA RING UNIT
- B - SAME AS -3A EXCEPT B-831-51 SPRING ASSEMBLY
- C - SAME AS -3A EXCEPT 838-107 CLAMP ASSEMBLY
- L - LEFT HAND ROTATION

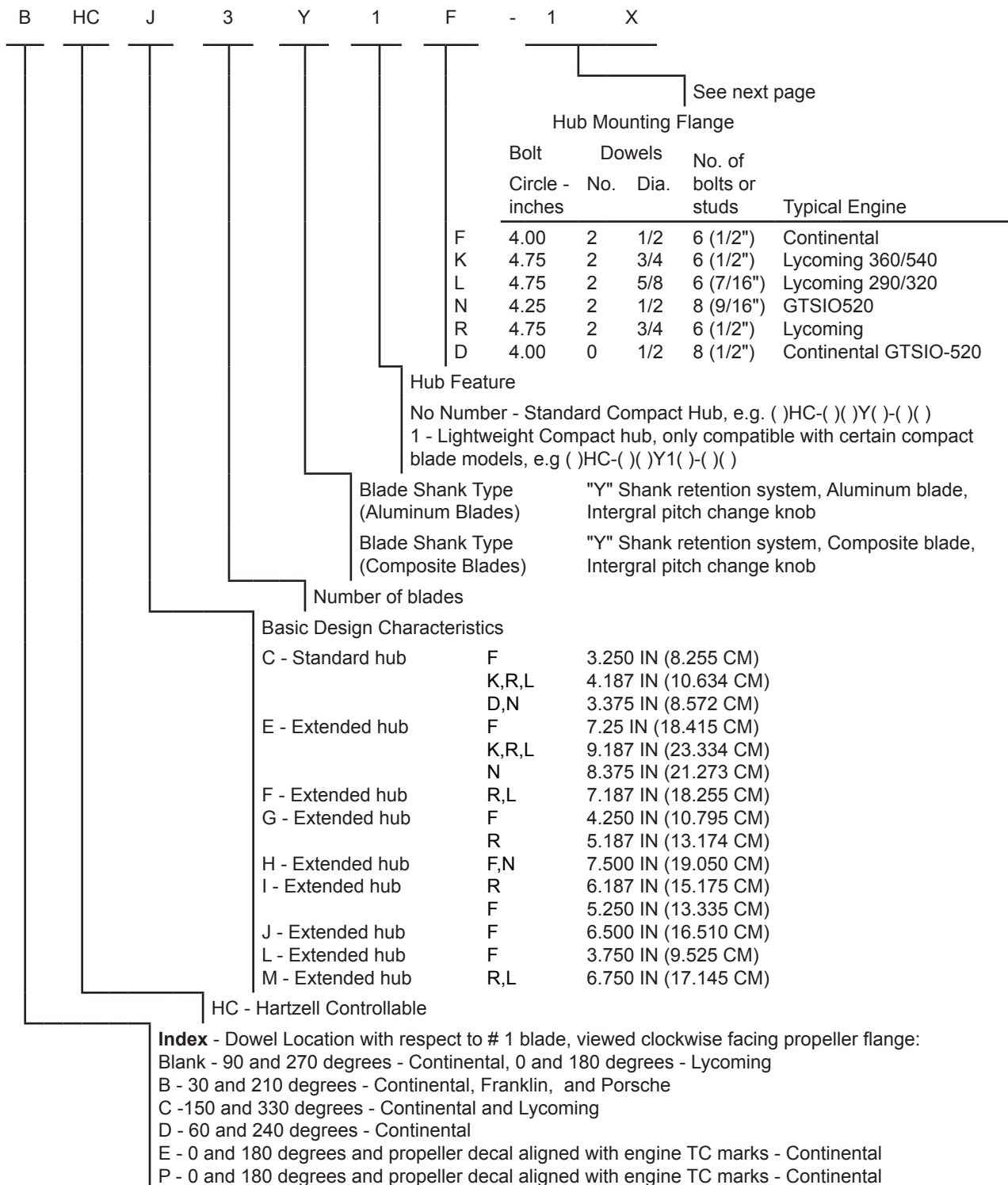
HC-B5MA-3

- A - SAME AS -3 EXCEPT DIFFERENT BLADE ANGLE SETUP
- B - SAME AS -3 EXCEPT D-5574P SPINNER ASSEMBLY AND BLADE ANGLE SETUP
- C - SAME AS -3 EXCEPT D-5497P SPINNER ASSEMBLY AND BLADE ANGLE SETUP
- D - SAME AS -3 EXCEPT DIFFERENT BLADE ANGLE SETUP
- DT - SAME AS -3 EXCEPT DIFFERENT BLADE ANGLE SETUP AND TITANIUM PISTON
- J - SAME AS -3B EXCEPT 838-107 CLAMP ASSEMBLY AND BLADE ANGLE SETUP

HC-B5MA-5

- A - SAME AS -5 EXCEPT DIFFERENT BLADE ANGLE SETUP

C. Aluminum Hub, Reciprocating Engine - Aviation



C. Aluminum Hub, Reciprocating Engine - Aviation, (Continued)

BHC - J 2 Y 1 F - 1 C

MINOR MODIFICATIONS,
up to five characters
X - EXPERIMENTAL
X() - X with numeric
character indicates minor
change not affecting
eligibility

**SPECIFIC DESIGN
FEATURES**

-1 PROPS

- A - F3YR: ONE PIECE HUB EXTENSION
- A - C2YF: DIFFERENT SPINNER MOUNTING PARTS;
- A - C2YK: DIFFERENT P.C. ROD, FORK
- A - HC-C3YR-1A: COMPOSITE BLADE
- A - HC-F3YR-1ARF: ONE PIECE HUB EXTENSION
- B - 2 BLADE: DIFFERENT CYLINDER, P.C. ROD, SPRING, LOW PITCH STOP
- C - BHC-J2YF-1C, HC-E3YR-1C, HC-I3YR-1C: COMPOSITE BLADE
- E - C4YF: B-2984 SPACER with B-1738 STUDS
- E - HC-E3YR-1E, HC-I3YR-1E, PHC-G3YF-1E: COMPOSITE BLADE
- F - LARGE PITCH CHANGE KNOB, FORK
- L - LEFT HAND ROTATION
- M - 3 BLADE: DIFFERENT CYLINDER, P.C. ROD, SPRING, LOW PITCH STOP
- N - N SHANK BLADES ONLY - BLADE RETENTION HARDWARE
- P - MUST HAVE A HUB WITH B-SUFFIX SERIAL NUMBER
- R - 3 BLADE: LARGE CYLINDER AND PISTON
- S - HUB EXTENSION

-2 PROPS - (See next page)

-3 PROPS

- F - LARGE PITCH CHANGE KNOB, FORK
- L - LEFT HAND ROTATION

-4 PROPS

- A - 2 BLADE
- A - HC-C3YR-4A: COMPOSITE BLADE, DIFFERENT CYLINDER, PISTON, FORK
- B - 2 BLADE: -2 CYLINDER, LOW STOP SCREW
- B - 3 BLADE: -2 CYLINDER, LOW STOP SCREW
- C - 2 BLADE: -2 CYLINDER, LOW STOP SCREW
- E - C3YR-4E: COMPOSITE BLADE
- F - LARGE PITCH CHANGE KNOB, FORK
- G - C2YR-4G, C3YR-4G: COMPOSITE BLADE

-5 PROPS

- A - C3YN: UNDEFINED
- F - LARGE PITCH CHANGE KNOB, FORK

-6 PROPS

- NONE CERTIFICATED

-7 PROPS

- F - LARGE PITCH CHANGE KNOB, FORK
- L - LEFT HAND ROTATION

- 1 - CONSTANT SPEED, NO COUNTERWEIGHT
OIL PRESSURE TO HIGH PITCH, CENTRIFUGAL FORCE TO LOW
- 2 - FEATHERING, OIL PRESSURE TO LOW PITCH, AIR CHARGE AND SPRING
TO HIGH PITCH/FEATHER (some exceptions), MAY OR MAY NOT HAVE
COUNTERWEIGHTS
- 3 - REVERSING with BETA RING, COUNTERWEIGHTED, OIL PRESSURE TO LOW
PITCH
- 4 - OIL PRESSURE TO LOW PITCH, COUNTERWEIGHTS TO HIGH PITCH
- 5 - CONSTANT SPEED, FEATHERING, OIL PRESSURE TO LOW PITCH,
AIR CHARGE, SPRING, AND COUNTERWEIGHTS TO HIGH/FEATHER
(EXCEPT SOLOY PROP, SAME AS -2 EXCEPT TURBINE O-RING)
- 6 - AUTOMATIC CONSTANT SPEED
- 7 - CONSTANT SPEED REVERSING (PRESSURE CONTROL)

C. Aluminum Hub, Reciprocating Engine - Aviation, (Continued)

B HC - C 2 Y F - 2 BF

MINOR MODIFICATIONS,
up to five characters
X - EXPERIMENTAL
X() - X with numeric
character indicates minor
change not affecting
eligibility

-2 TWO BLADE PROPS:

()HC-(C,I,L,M)2Y(F,K,L,R)-2__ PROPS

- B** - 830-21 STOP UNITS
- C** - COUNTERWEIGHTS, 830-30 STOP UNITS
- D** - A-2476-14 SPINNER MOUNTING KIT
- E** - A-2476-4 SPINNER MOUNTING KIT
- F** - LARGE PITCH CHANGE KNOB, FORK
- G** - DAMPER INSTALLED & A-2476-16 SPINNER MOUNTING KIT
- H** - A-2476-8 SPINNER MOUNTING KIT
- K** - REDUCED AIR CHARGE, -3 MOUNTING STUDS
- L** - LEFT HAND ROTATION Z
- P** - HUB WITH A B-SUFFIX SERIAL NUMBER
- R** - LARGE DIA. CYLINDER AND PISTON

()HC-(C,I,L,M)2Y(F,K,L,R)-2C_U_ PROPS

- C** - COUNTERWEIGHTS
- D** - A-2476-14 SPINNER MOUNTING KIT
- E** - A-2476-4 SPINNER MOUNTING KIT
- F** - LARGE PITCH CHANGE KNOB, FORK
- G** - DAMPER INSTALLED & A-2476-16 SPINNER MOUNTING KIT
- H** - A-2476-8 SPINNER MOUNTING KIT
- K** - REDUCED AIR CHARGE, -3 MOUNTING STUDS
- L** - LEFT HAND ROTATION
- P** - HUB WITH A B-SUFFIX SERIAL NUMBER
- U** - FEATHER ASSIST SPRING KIT IN CYLINDER

HC-E2Y(R,K,L)-2_B_ PROPS

- B** - 830-21 STOP UNITS (non-counterweighted props)
- F** - LARGE PITCH CHANGE KNOB, FORK
- L** - LEFT HAND ROTATION
- P** - HUB WITH A B-SUFFIX SERIAL NUMBER
- R** - LARGE DIA. CYLINDER AND PISTON
- S** - A-2273 SPRING ASSY. IN HUB EXTENSION (non-counterweighted props)
- T** - B-1586 SPRING ASSY. IN HUB EXTENSION (counterweighted props)
- U** - FEATHER ASSIST SPRING KIT IN CYLINDER

HC-(E,F)2Y(R,L)-2__ PROPS

- F** - LARGE PITCH CHANGE KNOB, FORK
- P** - HUB WITH A B-SUFFIX SERIAL NUMBER
- T** - B-1586 SPRING ASSY. IN HUB EXTENSION (counterweighted props)
- U** - B-1589/1589-2 SPRING ASSY. IN CYLINDER

BHC-J2YF-2C__ PROPS

- C** - COUNTERWEIGHTS
- F** - LARGE PITCH CHANGE KNOB, FORK
- P** - HUB WITH A B-SUFFIX SERIAL NUMBER
- U** - B-1589/1589-2 SPRING ASSY. IN CYLINDER

HC-F3YR-2__ PROPS

- F** - LARGE PITCH CHANGE KNOB, FORK
- H** - INCLUDES A HIGH PITCH STOP
- U** - B-1589/1589-2 SPRING ASSY. IN CYLINDER

(P)HC-(E,J,H)3Y(R,N,F)-2__ PROPS

- A** - E3YR-2: INTEGRAL HUB EXTENSION (no A, bolt-on extension)
- F** - LARGE PITCH CHANGE KNOB, FORK
- L** - LEFT HAND ROTATION
- T** - B-1586 SPRING ASSY. IN HUB EXTENSION (counterweighted props)
- U** - B-1589/1589-2 SPRING ASSY. IN CYLINDER

C. Aluminum Hub, Reciprocating Engine - Aviation, (Continued)

B HC - C 2 Y F - 2 BF

MINOR MODIFICATIONS,
up to five characters
X - EXPERIMENTAL
X() - X with numeric
character indicates minor
change not affecting
eligibility

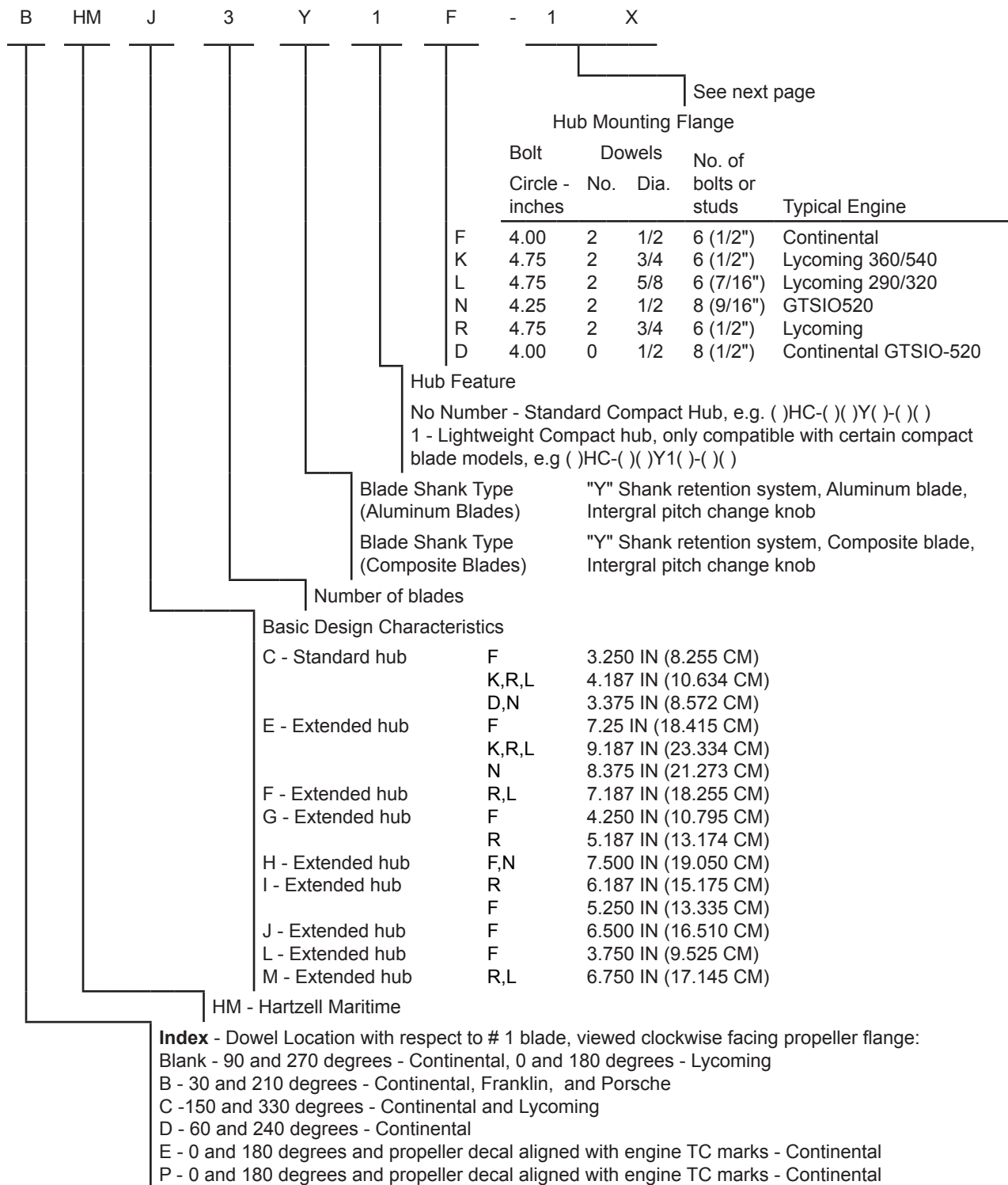
(P,E)HC-(C,G,I)3Y(R,N,F)-2__ PROPS

- A - C3YN-2L: DIFFERENT SPINNER MOUNTING KIT
- D - C3YN-2: DIFFERENT SPINNER INSTALLATION KIT/ASSY.
- E - C3YR-2: DIFFERENT SPINNER, B-1106 SPRING ASSY. USABLE
- F - LARGE PITCH CHANGE KNOB, FORK
- K - C3YF-2: DIFFERENT SPINNER, MOUNTING STUDS
- L - LEFT HAND ROTATION
- U - B-1589/1589-2 SPRING ASSY. IN CYLINDER

HC-C4Y(R,F,N)-2__ PROPS

- E - LONG STUDS WITH HUB EXTENSION
- L - LEFT HAND ROTATION

D. Aluminum Hub - Non-Aviation



E. Bantam Series Propellers

3 A 1 - TP 724 A1

One or more character alphanumeric hub descriptor (first character must be alpha)
 L - left hand rotation
 X - Experimental
 X() - X with numeric character indicates minor change not affecting eligibility
 Any alpha character not listed here denotes a minor change not affecting eligibility
 Numeric character indicates minor configuration change not affecting eligibility

Extension -
 Distance in inches between flange and blade centerline (implied decimal after first digit)
 Example: 724=7.24 inches

Mounting flange -
 First character is mounting flange type (F,G,Q,T)
 Second character, when used (e.g., B,P), indicates flange index with respect to blade centerline

	Hub Mounting Flange				Typical Engine
	Bolt Circle - inches	Dowels No.	Dia.	No. of bolts or studs	
F	4.000	2	1/2	6 (1/2")	Continental
G	4.000			6 (M8 X 1.25)	Rotax
Q	3.150			6 (1/2")	Lycoming
T	3.150			6 (7/16")	Technify (Thielert)

Operating Mode -
 1 - Constant speed, oil to increase pitch and no blade counterweights
 2 - Constant speed, feathering, oil pressure to low pitch, spring, and counterweights
 7 - Constant speed reversing (pressure control)

Preload Type -
 Basic hub series (A, B)

Number of blades

F. Aluminum Hub, Turbine Engine

HC - D 4 N - 3 () L

MINOR MODIFICATIONS
L - LEFT HAND ROTATION
SEE NEXT PAGE

SPECIFIC DESIGN FEATURES

- 2** - CONSTANT SPEED, FEATHERING, PT6A
- 3** - CONSTANT SPEED, FEATHERING, REVERSING, EXTERNAL BETA RING for P & W PT6A applications & LPT-10 (except HD-E6C for PW100 series no ext. beta)
- 5** - CONSTANT SPEED, FEATHERING, REVERSING INTERNAL BETA, START LOCKS, TPE-331
- 7** - CONSTANT SPEED, FEATHERING, REVERSING, ALLISON ENGINES, BETA VALVE D-751

MOUNTING FLANGE

- A**
- B**
- C**
- F**
- N**
- P**
- W**

BOLT CIRCLE (inches dia.)	DOWELS number (dia.)	MOUNTING BOLTS number (dia.)
5.125	2 (5/8)	12 (9/16)
5.125	2 (5/8)	12 (9/16)
6.75	2 (5/8)	16 (9/16)
4.00	2 (1/2)	6 (1/2")
4.25	2 (1/2)	8 (9/16)
4.25	4 (1/2)	8 (9/16)
4.25	2 (1/2)	8 (9/16)

NO. OF BLADES — **3 THROUGH 6**

- A** - 3.6 INCH DIAMETER BLADE SHANK
- D** - 3.4 INCH DIAMETER BLADE SHANK
- E** - SAME AS "D" EXCEPT DIFFERENT SHANK DIMENSIONS & INTERNAL BLADE BEARING

HC - Hartzell controllible
HD - Hartzell dual acting

F. Aluminum Hub, Turbine Engine, (Continued)

HC - D 4 N - 3() L

D3F-7 - no minor changes

D4N-2:

- A - initial production model
- AA - same as A except aircraft application
- D - same as A except angle setting (SI 210)
- E - same as D except with compressor pulley
- F - same as A except with compressor pulley
- G - same as AA except with compressor pulley

D4N-3:

- A - initial production model
- C - same as A except blade, counterweight, application
- E - same as A except blade, counterweight, application
- G - same as A except blade, counterweight, application
- N - same as A except blade, counterweight, application
- Q - same as A except blade, counterweight, application
- P - same as A except blade, counterweight, application
- R - same as A except blade, counterweight, application
- T - same as A except blade, counterweight, application

D4N-5:

- C - initial production model

E4A-2: initial production model

- A - same as -2 except for spinner assembly and counterweight

E4A-3:

- A - initial production model
- D - same as A except blade, counterweight, application
- I - same as A except P-static paint, de-ice wires, paint
- J - same as I except hub unit, cylinder, counterweight

E4N-3: - initial production model

- G - same as -3 except blade, counterweight, application
- H - same as -3 except blade, counterweight, application
- M - same as -3 except blade, counterweight, application
- N - same as -3 except blade, counterweight, application
- Q - same as -3 except blade, counterweight, application

E4N-5

- A - initial production model
- B - same as A except pitch change rod

E4P-5 - initial production model

E5B-5 - initial production model

- A - same as -5 except application

E5N-3: - initial production model

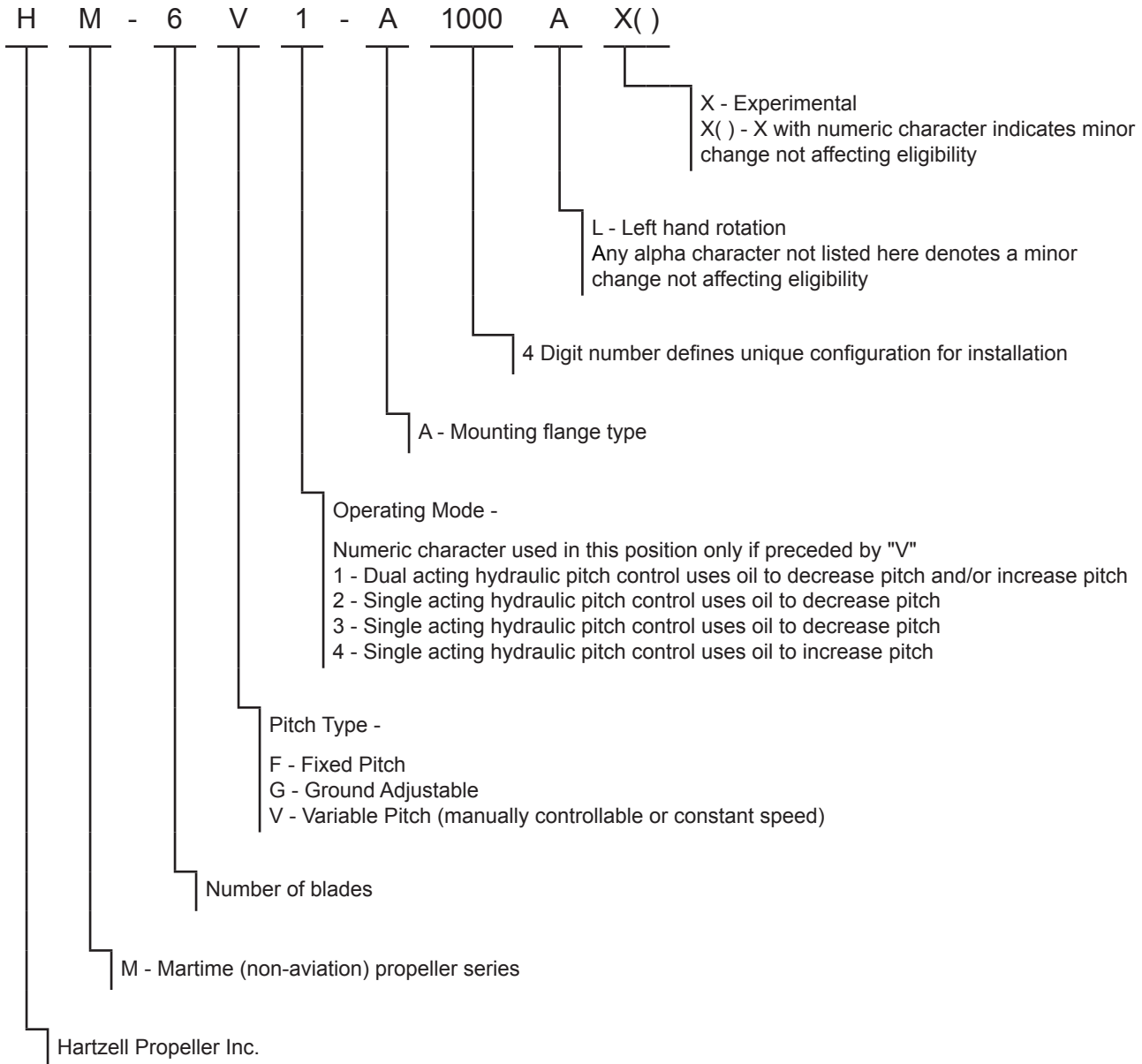
- L - same as -3 except left hand rotation
- A - same as -3 except hub
- AL - same as -3A except left hand rotation

A6A-3 - D-1053 - initial production model

E6C-3

- A - initial production model
- AA - SB improvement
- B - different blades and other improvements

G. Hovercraft - Non-Aviation



7. Aluminum Blade Model Designation

Hartzell uses a model designation to identify specific propeller and blade assemblies. Example: HC-B5MP-3A/M10282A+6. A slash mark separates the propeller and blade designations. The propeller model designation is impression stamped on the propeller hub. The blade designation is impression stamped on the butt end (internal), as well as a thermal decal, or ink stamp, on the camber side (external), of the blade.

EXAMPLE:

propeller model/**FJC8475CH-3**

Prefix of up to 3 letters: _____

- C** - counterweighted Y shank
- F** - large pitch change knob Y shank
- H** - right hand rotation, pusher
- J** - left hand rotation, tractor
- L** - left hand rotation, pusher
- D,E,M,MV,P,R,T,V,W,Z,X** - shank design
- blank** - standard blade, right hand rotation, tractor (Y shank + few others)

The first 2 or 3 numbers indicate initial design diameter (in inches), the last 2 numbers indicate basic model or template (there are some exceptions to this definition)

Suffix letters: _____

- A** - modified blade
 - B** - anti-ice boot (alcohol) or de-ice boot (electrothermal, uniform watt density)
 - C** - modified blade, dimensional or blade twist modification from initial blade design
 - D** - modified blade, blade twist or thickness change
 - E** - de-ice boot (electrothermal) or internal de-ice element (composite blade)
 - F** - modified blade, dimensional modification (width/thickness)
 - H** - hard alloy (7076)
 - K** - de-ice boot (electrothermal, tapered watt density)
 - N** - shank modification (pilot tube hole), thickness added to certain blade shanks
 - R** - rounded tips - only if a different tip shape exists at the same blade length
 - S** - square tips or; shot peening of blade surface
- blank** - original design, no changes **other letters** - location of pitch change knob (Y shank), or minor modification

Dash Number, diameter reduction from basic design in this example, the nominal 84 inch diameter has been reduced 3 inches = 81 inch dia. (with some exceptions) there may be a letter following the dash number:

- R** - specifically rounded tip - only if a different tip shape exists at the same blade length
- T** - specifically rounded tip
- Q** - Q-tip, factory 90 degree formed tip
- A** - slightly thinner & narrower tip fairing
- E** - elliptical tip

8. Aluminum Blade Shank Designs

- A. Hartzell blades are often referred to as “D shank”, “Y shank”, etc. For most blades, the shank type is identified in the prefix letters of the blade model designation, such as T10282, which is a “T” shank blade. There are exceptions to this rule, such as Y shank blades that do not use the letter Y in the model designation.
- B. It is useful to understand the basic differences between shank types. The following list provides a general description of the different shanks used in aluminum blades. Refer to the Illustrated Parts List chapter of Hartzell Aluminum Blade Manual 133C (61-13-33) for a visual comparison of shank types.

<u>Shank</u>	<u>Hub Type</u>	<u>Retention</u>	<u>Internal Bearing</u>	<u>Pitch Change</u>
Y shank	“compact”	single shoulder	1 roller	integral knob
D shank	“lightweight”	single shoulder	1 roller	bolt-on bracket
E shank	“lightweight”	single shoulder	1 roller	bolt-on bracket

<u>Shank</u>	<u>Hub Type</u>	<u>Retention</u>	<u>Internal Bearing</u>	<u>Clamp</u>
X shank	steel	double shoulder	1 bronze	C-3-()
V shank	steel	double shoulder	1 bronze + 1 roller	C-3-()
MV shank	steel	single shoulder	1 bronze + 1 roller	D-6831-()
W shank	steel	single shoulder	1 bronze + 1 roller	C-1301-()
Z shank	steel	single shoulder	1 bronze	C-1301-()
M shank	steel	single shoulder	2 roller	C-1977-()
P shank	steel	single shoulder	1 bronze	C-1977-()
R shank	steel	single shoulder	1 bronze + 1 roller	C-1977-()
T shank	steel	single shoulder	2 roller	C-1301-()

NOTE: There are other shank types used in composite blades such as B shank, E shank, and A shank.

C. "N" modification blades

- (1) All P, R, W, and Z shank aluminum blades are now being manufactured with the “N” modification to the blade bore. The “N” modification reduces the amount of stress in the radius of the blade bore.
- (2) The propeller Type Certificate Data Sheet has been revised to permit use of “N” modification and non-“N” modification blades on installations originally certified with non-“N” modification blades.
- (3) Non-“N” modification blades are not permitted on installations originally certified with “N” modification blades.
- (4) Mixing “N” and non-“N” blades is permitted in the same propeller assembly provided propeller static balance can be achieved.
- (5) Do not replace a “N” modification blade with a non-“N” modification blade.
- (6) All P, R, W, and Z shank aluminum blades are now being manufactured to the “N” modification, which incorporates significant design improvements to the internal blade bore.

- (7) On R and W shank aluminum blades, the design change requires the use of a new internal bearing spacer.
- (8) “N” modification blades are identified with the suffix letter “N” in the blade model. This suffix letter is impression stamped on the blade butt and ink stamped or labeled on the blade airfoil. Example: LW10151-3 will change to LW10151**N**-3
- (9) Rework of blade bore to the “N” modification is not permitted.

9. Composite Blade Models

The blade model designation does not readily identify whether a blade is aluminum or composite. The following list provides production models of composite blades. Refer to Hartzell Composite Blade Manual 135F (61-13-35) for further information.

Legacy Composite

B7421(K)
()7690()
7890K
E8190K
E9193(B,K)
M10083(K)
A10460(E)(K)
LM10585(A)(N)(B,K)+4
M10877K
E10950P(C)(B,K)
E11990K
E12902K
E13890K

N-shank Composite

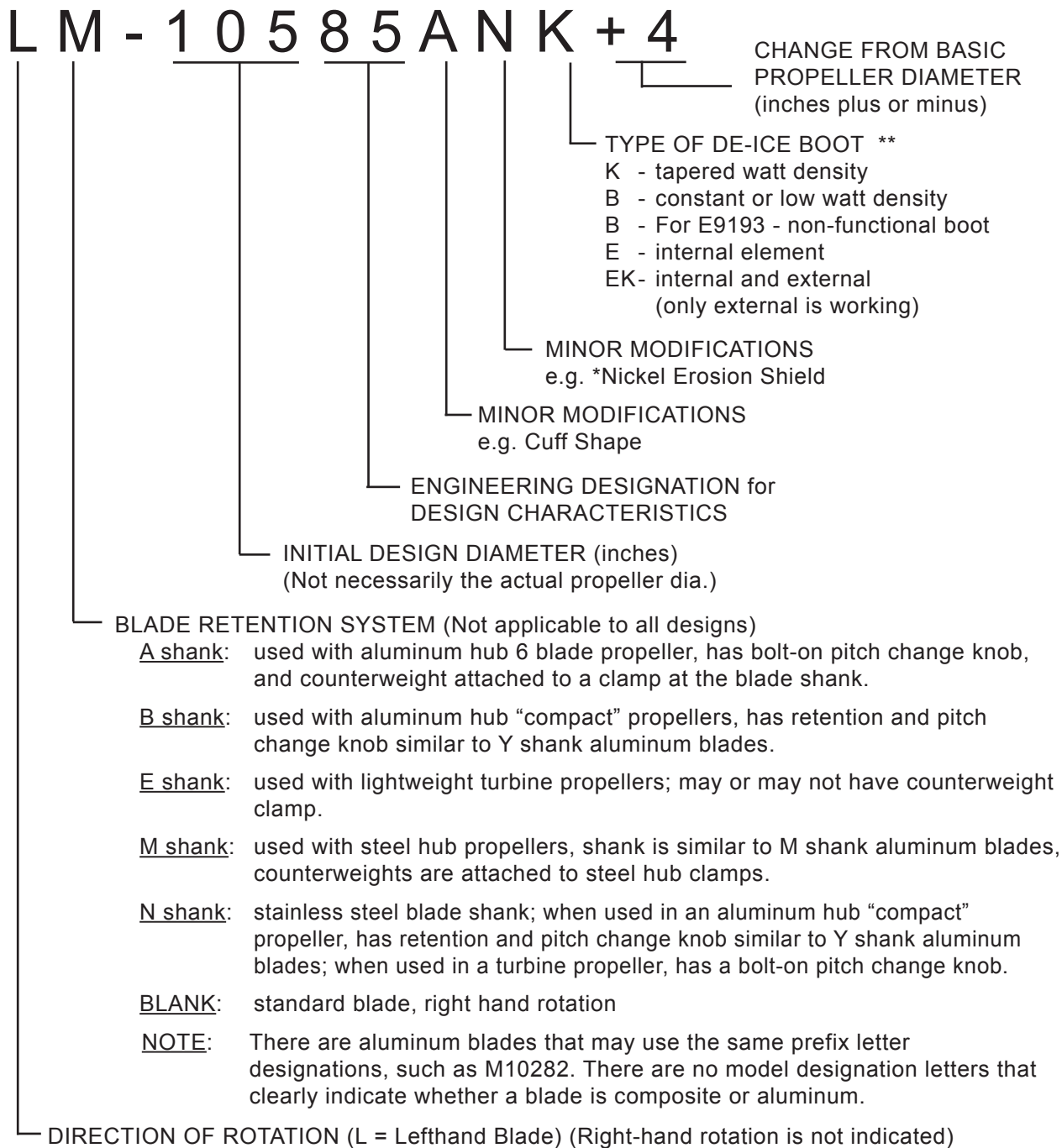
N7605(B,K)()
N7605C()
N76M05C()X
NG8301()
NC8834()
NC9208()

Bantam Composite

75A01-2()
L76A01X
H79A06X

Legacy Composite Blade Model Number

NOTE: Parentheses in the model designation system indicates that an option or modification may or may not be included in the blade assembly.

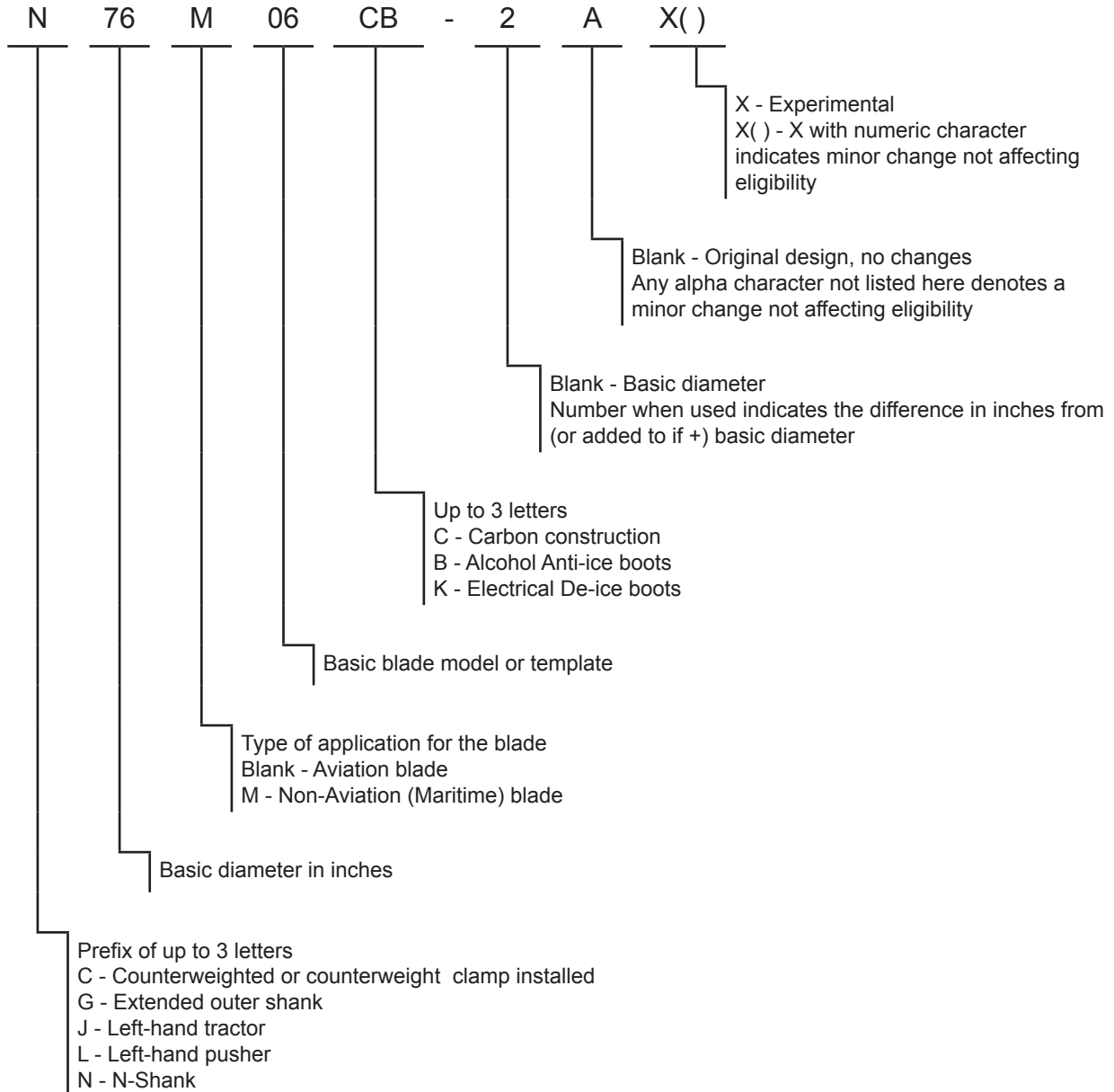


* All other blades, as well as recent production LM10585()(+4, use a nickel erosion shield and do not have an “N” in the model designation.

** Applies to composite blades only.

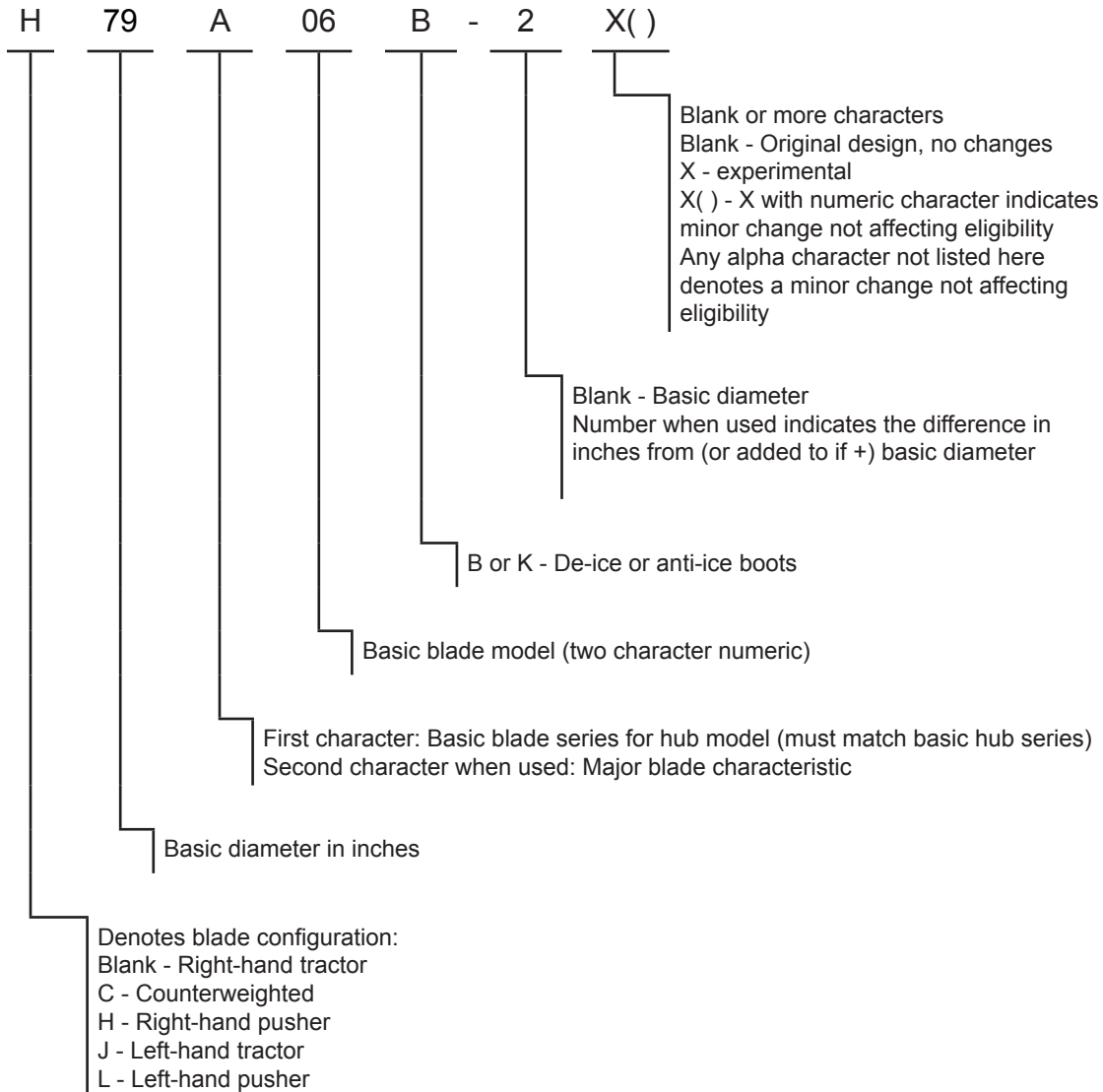
N-Shank Composite Blade Model Number - Aviation and Non-Aviation

NOTE: Parentheses in the model designation system indicates that an option or modification may or may not be included in the blade assembly.



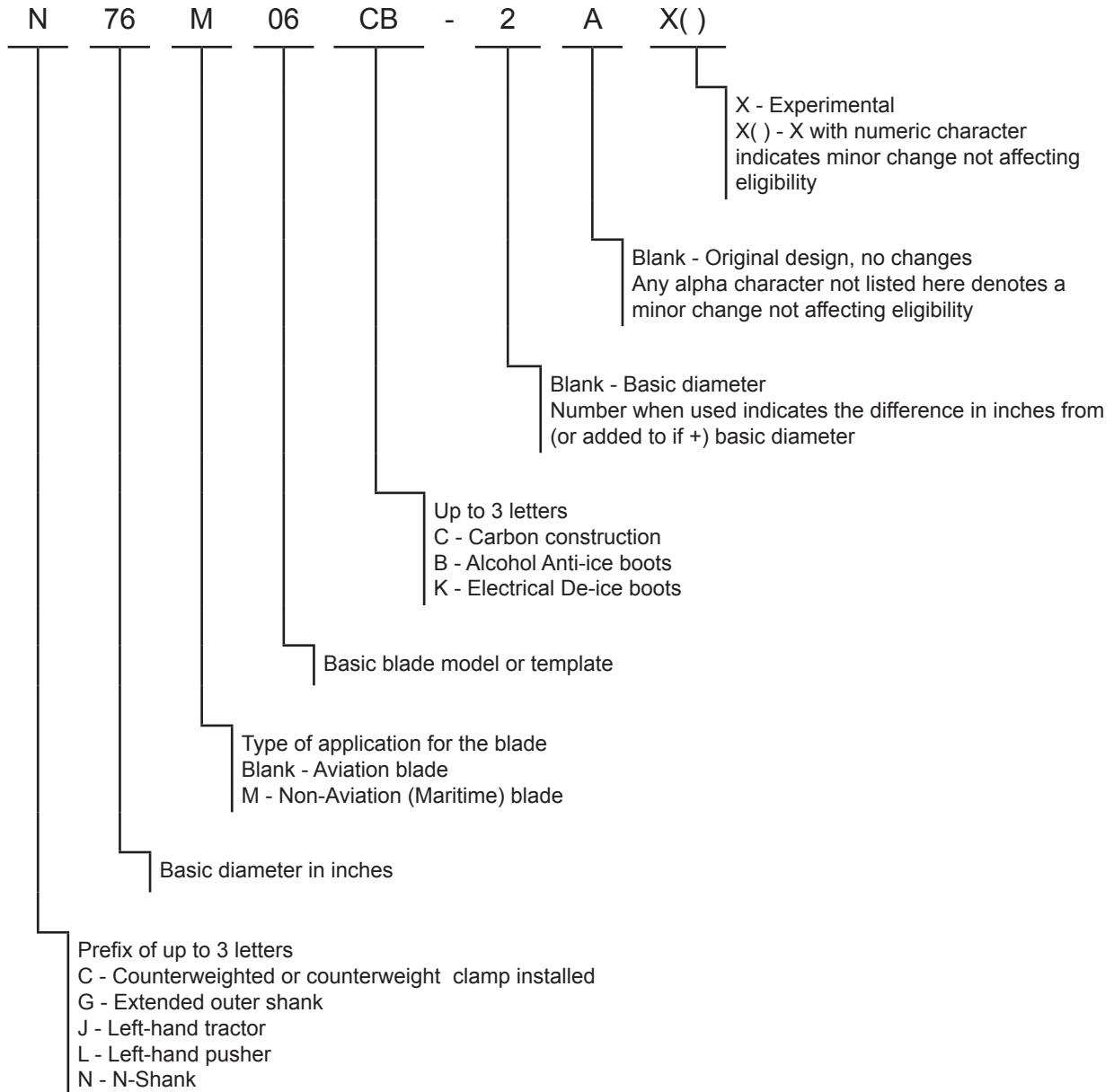
Bantam Composite Blade Model Number

NOTE: Parentheses in the model designation system indicates that an option or modification may or may not be included in the blade assembly.



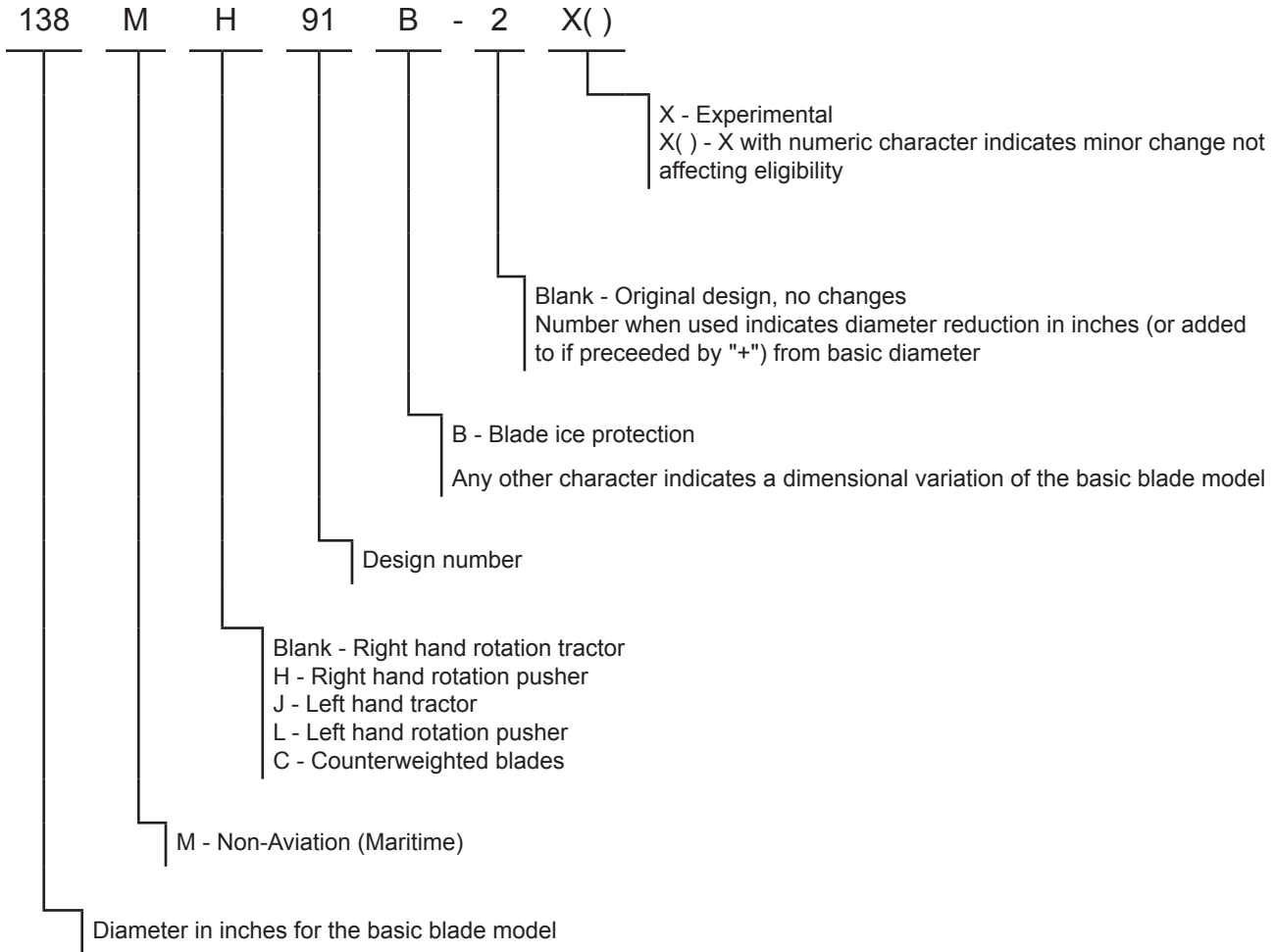
Non-Aviation Composite Blade Model Number

NOTE: Parentheses in the model designation system indicates that an option or modification may or may not be included in the blade assembly.



Hovercraft Composite Blade Model Number

NOTE: Parentheses in the model designation system indicates that an option or modification may or may not be included in the blade assembly.



10. Propeller Critical Parts

- A. Procedures in this manual may involve propeller critical parts (PCP). These procedures have been substantiated based on Engineering analysis that expects this product will be operated and maintained using the procedures and inspections provided in the Instructions for Continued Airworthiness (ICA) for this product. Refer to the Illustrated Parts List chapter for the applicable propeller model for the identification of Propeller Critical Parts.
- B. Numerous propeller system parts can produce an aircraft Major or Hazardous effect, even though those parts may not be considered as Propeller Critical Parts. The operating and maintenance procedures and inspections provided in the ICA for this product are, therefore, expected to be accomplished for all propeller system parts.
- C. Definitions
- (1) Hazardous Propeller Effect: the hazardous propeller effects are defined in Title 14 CFR section 35.15(g)(1)
 - (2) Major Propeller Effect: the major propeller effects are defined in Title 14 CFR section 35.15(g)(2)
 - (3) Propeller Critical Part: a part on the propeller whose primary failure can result in a hazardous propeller effect, as determined by the safety analysis required by Title 14 CFR section 35.15

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1. Application Information

A. Data Field Definition

The data in the Application Information chapter of this manual is sorted according to Aircraft Manufacturer. This chapter contains the following installation data:

- IDS NO.: Installation reference identification number
- REV. : Revision level of the IDS
- DATE: Effective date of individual installation information, referenced by IDS NO.

NOTE 1: In lieu of change bars, this date will identify when a change has been made to information contained within an individual installation record. The exception to this is a revision made only to an item in the Hartzell Propeller Inc. Approved Items field will not affect the IDS date.

NOTE 2: The date field on some older installation records may be blank, indicating that the original date of origin is not available.

- MODEL: Aircraft manufacturer, model & trade name of the aircraft. The most commonly associated manufacturer's name is used, for example, aircraft are listed in this guide under "Beech" as opposed to "Raytheon Aircraft Corp."
- TRADE NAME: Aircraft manufacturer's trade name
- AIRCRAFT TC/STC NO: Aircraft Type certificate or Supplemental Type Certificate Number with modifier or STC holder name
- PROPELLER MODEL: Propeller model number
- PROPELLER T.C: Propeller Type Certificate Data Sheet Number
- BLADE MODEL(S): Approved blade model(s) number for an installation

NOTE: An asterisk (*) and number following the blade model number indicates a specific change in the individual blade model. For information pertaining to a specific blade model, refer to the applicable Blade Overhaul Manual.

- PROPELLER DIAMETER: Propeller diameter or diameter range
- MODIFIER: Supplemental Type Certificate holder
- ENGINE: Engine manufacturer and engine model
- POWER: Propeller horsepower and max. RPM for application

- PLACARD/RESTRICTIONS: Placard information, restrictions and airworthiness limitations, if applicable
- REF. RADIUS: Propeller reference station (not blade station) for blade angle setup
- REVERSE ANGLE: Reverse blade angle if applicable
- LOW PITCH ANGLE: Low pitch angle or low pitch pickup (Garrett TPE331 and Allison 250-B17 engine installations cannot be set on the propeller assembly, they require low pitch to be set on the aircraft and angles must be obtained from aircraft maintenance or flight manual)

- START LOCK ANGLE: Start lock angle (also previously referred to as high pitch stop for piston engine feathering propellers)
- FEATHER/HIGH ANGLE: High pitch or feather angle
- CWT. ANGLE: Counterweight angle measurement is required only when assembling counterweighted steel hub propellers and is measured with the propeller in full reverse (or low pitch for propellers with no reverse setting). Counterweight angle must be **positive** (0.0° or greater) unless a specific angle is given.
NOTE: No measurement is required for aluminum hub propellers therefore no setting is given in the Cwt Angle field.

- NON-HPI SPINNER: Non-Hartzell Propeller Inc. Spinner assembly if applicable
- NON-HPI GOVERNOR: Non-Hartzell Propeller Inc. governor model if applicable
- HARTZELL APPROVED ITEMS: A list of all Hartzell Propeller Inc. parts (items) that are approved for a given installation. Refer to the Hartzell Propeller Inc. Approved Items section in this chapter for additional information.

B. Propeller Part Number

- (1) The Propeller Part Number (Hartzell Propeller Inc. Approved Items section) contains a unique part number that is applicable to the exact propeller model and blade model number identified in the PROPELLER column. A propeller model, e.g., HC-C2YR-1RF, may have numerous propeller part numbers, e.g., C2R00019, C2R00020 and C2R00021, because of differences in blade angles, blade color, tip stripe, de-ice boot location, counterweights and weight slugs. To depict these differences, a unique propeller part number is assigned in addition to the propeller model number. This part number is a unique part number assigned by Hartzell Propeller Inc. and is for ordering purposes only. These part numbers do not appear on Type Certificate Data Sheets. In most cases, the propeller part number does not include the spinner assembly, and the spinner assembly must be ordered as a separate item.

NOTE: If desired, the propeller may be ordered partially disassembled for shipping purposes. If a partially disassembled prop is to be ordered, please add the letters “KD” to the Propeller Part Number, e.g., C2R00019KD.

- (2) A propeller part number, when applicable, may be used to order the exact propeller and blade model identified in the DESCRIPTION column of the list of Hartzell Propeller Inc. Approved Items.

NOTE: The first time an order is received for a specific application, the new propeller part number is created by the customer support representative and product support.

C. Propeller Model

- (1) The propeller model designation shown is normally that which is listed in the FAA Aircraft Type Certificate Data Sheets for that particular application. Consideration must be made for superseded models. For instance, a Type Certificate may specify a HC-82X20-2 propeller, but changes such as conversion from “X” shank to “V” or “MV” are approved by the Propeller Type Certificate. There may also be later approved hub designs that are interchangeable, such as a HC-A2V20-2. Such interchangeability is approved by the Propeller Type Certificate when the older design is replaced by the later. If the later design is specified in the aircraft TC the older design may not be substituted.
- (2) Parentheses shown in the model designations in this or other Hartzell Propeller Inc. publications indicate letter(s) and/or number(s) that may or may not be present because of different configurations permitted on the various aircraft installations. Definitions of propeller model designations and further details of letters that may be present are shown in the Introduction chapter of this manual.

D. Propeller Diameter

- (1) The diameter listed is normally the diameter range specified in the Type Certificate Data Sheet. Many applications, such as STC installations, often do not specify a diameter reduction to allow repairs. In the absence of a minimum diameter, it must be assumed that no diameter reduction is allowed.

E. Spinners

- (1) Many applications, such as Cessna and Piper, do not always use Hartzell Propeller Inc. spinners with Hartzell Propeller Inc. propellers and often use spinners of their own manufacture (Non-HPI Spinner). This may be listed in the aircraft Type Certificate. Also many STC, experimental, or home built aircraft used spinners of other manufacture or modified existing ones. Where the spinner is not listed, the exact model is unknown to Hartzell Propeller Inc. and the aircraft manufacturer or STC holder should be contacted for additional information.

F. Governors

- (1) Hartzell Propeller Inc. governor models are listed in the Hartzell Propeller Inc. Approved Items when their use is known. Hartzell Propeller Inc. only produces reciprocating engine governors. Turbine engine governors are normally manufactured by Woodward. Other governors may be listed by their manufacturer and model number for reference, or just manufacturer when the model number is unknown (Non-HPI Governor). When blank, the governor used in that application is either not manufactured by Hartzell Propeller Inc. or is unknown. Often the aircraft TC will list the governor and if not, the aircraft manufacturer should be consulted for further information.
- (2) A Supplemental Type Certificate does not always specify the governor model and many STC's that replace propellers of other manufacture with Hartzell Propeller Inc. models will use the original governor. The STC holder must be contacted to verify the governor model if it is not listed. Also, experimental or home built aircraft may have a specific engine/governor combination recommended by the manufacturer and combinations other than those recommended by the manufacturer would be unknown to Hartzell Propeller Inc. if not referenced in this section.

G. De-ice Information

- (1) If the propeller is equipped with an ice protection system that uses components supplied by Hartzell Propeller Inc., applicable instructions and technical information for the components supplied by Hartzell Propeller Inc. can be found in the following publications, which are also available on the Hartzell Propeller Inc. web site at www.hartzellprop.com.

- (a) Manual 180 (30-61-80) - Propeller Ice Protection System Manual
 - (b) Manual 181 (30-60-81) - Propeller Ice Protection Component Maintenance Manual
 - (c) Manual 182 (61-12-82) - Propeller Electrical De-ice Boot Removal and Installation Manual
 - (d) Manual 183 (61-12-83) - Propeller Anti-icing Boot Removal and Installation Manual
- (2) Propeller ice protection system components not supplied by Hartzell Propeller Inc. are controlled by the applicable TC or STC holder's Instructions for Continued Airworthiness (ICA).

H. Application Information Listing

- (1) The pages in this chapter display specific application information pertaining to approved Hartzell Propeller Inc. propeller installations. For ease of use, the data is arranged alphabetically into sections A through Z, according to Aircraft manufacturer name. It is then sorted according to Aircraft Model.

NOTE: Information listed for a given application may be more than one page in length.

I. Hartzell Propeller Inc. Approved Items

Each installation data sheet contained in this chapter provides a list of Hartzell Propeller Inc. items (parts) that are approved for that specific installation. The following information is displayed in the approved items section:

- ITEM TYPE: General description of how a Hartzell Propeller Inc. item is used on an individual installation
- ITEM NUMBER: Hartzell Propeller Inc. part number for an item that is approved for an individual installation

NOTE: An asterisk (*) and number to the right of the blade item number are added when there is a difference in paint, de-ice, or counterweight from the “standard” blade configuration. The specific meaning applies only to an individual blade configuration and does not necessarily represent the same change(s) in blade design for other blade models. For specific blade information, refer to the Blade Finish Table in the Paint and Finish chapter of Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02).

- DESCRIPTION: Detailed description of a Hartzell Propeller Inc. item that is approved for an individual installation
 - NOTE 1: The description "IDS(*) Item" denotes that an item is not a current production item and may not be available for purchase. If the item is available for purchase, additional manufacturing lead time may be required. Contact Hartzell Propeller Inc. for more information.
 - NOTE 2: The description in this field may also contain a prefix "PCP:", which identifies the approved item as a Propeller Critical Part. Refer to the Introduction Chapter of this manual for information about Propeller Critical Parts. Note that Propeller Critical Parts shown in this manual is not a complete or comprehensive list of Hartzell Propeller Inc. Critical Parts.

- QUANTITY: Quantity of the item that is required per assembly or subassembly for an individual installation
- QTY PER: Designates the assembly or subassembly for which the quantity of the Hartzell Propeller Inc. approved item applies
- COMMENTS: Additional information that pertains to an individual Hartzell Propeller Inc. approved item

2. Blade Configuration Information

- A. The Blade Configuration chapter that was previously contained in this manual has been relocated. Refer to the Paint and Finish chapter of Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02) for blade paint finish schemes.
- B. For de-ice boot location information, refer to the Hartzell Propeller Inc. Electrical De-ice Boot Removal and Installation Manual 182 (61-12-82) - Available on the Hartzell Propeller Inc. website at www.hartzellprop.com.
- C. For anti-icing boot location information, refer to the Hartzell Propeller Inc. Anti-icing Boot Removal and Installation Manual 183 (61-12-83) - Available on the Hartzell Propeller Inc. website at www.hartzellprop.com.

3. Spinner Information

- A. The Spinner Information chapter that was previously contained in this manual has been relocated. Refer to Hartzell Propeller Inc. Spinner Assembly Maintenance Manual 127 (61-16-27) and Hartzell Propeller Inc. Composite Spinner Maintenance Manual 148 (61-16-48).

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ADVANCED AERO. & STRUC., INC.

Model: 450
Trade Name: JETCRUZER
Aircraft T.C./STC: A49NM
Propeller Model: HC-B3TN-3UL
Propeller T.C.:
Blade Model(s): LT10173N-21R
Prop Diameter: 80.375" TO 79.375"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -13.0 +-0.5
Low Pitch Angle: 19.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1055 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: PT6A-27
Power: 599 HP @ 2200 RPM
Placard/Restr:
Notes: Refer to Manual 118F for Airworthiness Limitations.

Startlock Angle: NA
Feather/High Angle: 82.1 +-0.5
Cwt Angle: 3.0 +-1.0

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LT10173N-21R	BLADE	3	Prop	
SPINNER	C-3065-3	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

AERMACCHI (AERONAUTICA MACCHI)

Model: AM-3
Trade Name:
Aircraft T.C./STC: A19EU
Propeller Model: HC-83VK-4, HC-A3VK-4
Propeller T.C.: P6EA
Blade Model(s): V8833
V8833N
Prop Diameter: 88 3/8" TO 86 3/8"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2080 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GTSIO-520-C
Power: 340 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.7 +-0.5
Cwt Angle: NA

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8833	BLADE UNIT	3	Prop	
BLADE	V8833N	BLADE UNIT	3	Prop	
SPINNER	837-8	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	4	Prop	

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AERMACCHI (AERONAUTICA MACCHI)

Model: AM-3
Trade Name:
Aircraft T.C./STC: A19EU
Propeller Model: HC-A3MVK-4
Propeller T.C.: P6EA
Blade Model(s): MV8833N
Prop Diameter: 88 3/8" TO 86 3/8"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

IDS No.: 61 **Rev.:** **Date:** 6/6/2006

Modifier:
Engine: GTSIO-520-C
Power: 340 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.7 +-0.5
Cwt Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8833N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	837-8	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	4	Prop	

AERMACCHI (AERONAUTICA MACCHI)

Model: AM-3C
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3R20-4
Propeller T.C.: P28EA
Blade Model(s): R10160-1
R10160N-1
Prop Diameter: 100"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.1

IDS No.: 62 **Rev.:** **Date:** 7/26/2004

Modifier:
Engine: GSO-480-B1B6, -B1C3
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.5 +-1.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	R10160-1	PCP:BLADE UNIT, ALUMINUM	3	Prop	REPLACED BY R10160N-1
BLADE	R10160N-1	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-20	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-10	IDS Item	1	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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AERMACCHI (AERONAUTICA MACCHI)

Model: AL 60-F5
Trade Name:
Aircraft T.C./STC: 7A12
Propeller Model: HC-A3VK-4
Propeller T.C.: P6EA
Blade Model(s): V8433
V8433N
Prop Diameter: 84 5/8" TO 82 5/8"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	3	Prop	
BLADE	V8433N	BLADE	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-1	IDS Item	1	A/C	

IDS No.: 2079 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-720-A1A
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 33.9 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

AERMACCHI (AERONAUTICA MACCHI)

Model: AL 60-F5
Trade Name:
Aircraft T.C./STC: 7A12
Propeller Model: HC-A3MVK-4
Propeller T.C.: P6EA
Blade Model(s): MV8433N
Prop Diameter: 84 5/8" TO 82 5/8"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-1	IDS Item	1	A/C	

IDS No.: 60 **Rev.:** **Date:** 5/12/1998

Modifier:
Engine: IO-720-A1A
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.9 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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AERMACCHI S.P.A.

Model: S.205-22R
Trade Name:
Aircraft T.C./STC: A9EU
Propeller Model: HC-C2YF-1BF
Propeller T.C.: P-920
Blade Model(s): F8459-4
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 945 **Rev.:** **Date:** 6/8/2005

Modifier:
Engine: 6A-350-C1
Power: 220 HP @ 2800 RPM
Placard/Restr:
Notes: Formerly Siai Marchetti

Startlock Angle: NA
Feather/High Angle: 30.5 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00317	HC-C2YF-1BF/F8459-4/SM14	1	A/C	
BLADE	F8459-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-23P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-14	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-3	SPINNER - MTG KIT	1	Prop	Alternate
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

AERMACCHI S.P.A.

Model: S.205-22R
Trade Name:
Aircraft T.C./STC: A9EU
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F8467-8R
Prop Diameter: 76 TO 75

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2554 **Rev.:** **Date:** 6/30/2006

Modifier:
Engine: O-540-E4A5
Power: 260 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2500 and 2600 RPM above 25" manifold pressure

Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-0.5
Cwt Angle: NA

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00089	HC-C2YK-1BF/F8467-8R	1	A/C	
BLADE	F8467-8R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AERMACCHI S.P.A.

Model: S.205-22R
Trade Name:
Aircraft T.C./STC: A9EU
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-8R
Prop Diameter: 76

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2555 **Rev.:** **Date:** 6/30/2006
Modifier:
Engine: O-540-E4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-0.5
Cwt Angle: NA

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00181	HC-C2YK-1BF/F8477-8R	1	A/C	
BLADE	F8477-8R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AERO COMMANDER

Model: 690, 690A, 690B, 690C
Trade Name: TURBO COMMANDER
Aircraft T.C./STC: STC-SA1464NM
Propeller Model: HC-B3TN-5NL
Propeller T.C.: P15EA
Blade Model(s): LT10673-2Q
 LT10673B-2Q
 LT10673N-2Q
 LT10673NB-2Q

Prop Diameter: 104"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: NA

IDS No.: 2789 **Rev.:** 1 **Date:** 1/10/2011
Modifier: AERO AIR
Engine: TPE331-5-251K, -252K, -254K
Power: 715 HP @ 1591 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.5 +-0.2
Feather/High Angle: 90.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N11320	HC-B3TN-5NL/LT10673N-2Q	2	A/C	
BLADE	LT10673-2Q	BLADE	3	Prop	
BLADE	LT10673B-2Q	BLADE, 4E1601-5 BOOT	3	Prop	
BLADE	LT10673N-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	LT10673NB-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-57	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-57P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-7330	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-7330P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H1601-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-5
DE-ICE KIT_PR	7931-77-025-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AERO COMMANDER

Model: 111
Trade Name:
Aircraft T.C./STC: A11SO
Propeller Model: HC-E2YR-1B(F)
Propeller T.C.: P9EA
Blade Model(s): F7666
Prop Diameter: 76"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2 Rev.: Date: 6/6/2006

Modifier:
Engine: O-360-A1G6
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor: EDO AIRE

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7666	IDS Item	2	Prop	
SPINNER	C-3533	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3533-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AERO COMMANDER

Model: 112
Trade Name: COMMANDER
Aircraft T.C./STC: A12SO
Propeller Model: HC-E2YR-1B(F)
Propeller T.C.: P9EA

Blade Model(s): F7666A
Prop Diameter: 76" TO 74"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 3 Rev.: Date: 6/14/2007

Modifier:
Engine: IO-360-C1D6
Power: 200 HP @ 2700 RPM
Placard/Restr: Do not exceed 24 inches manifold pressure below 2400 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor: EDO AIRE

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E2R00020	HC-E2YR-1BF/F7666A/SM4	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3533	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3533-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AERO COMMANDER

Model: 112B
Trade Name: COMMANDER
Aircraft T.C./STC: A12SO
Propeller Model: HC-E2YR-1BF
Propeller T.C.: P9EA
Blade Model(s): F8467-7R
Prop Diameter: 77" TO 76.5"

IDS No.: 4 **Rev.:** **Date:** 5/16/2001
Modifier:
Engine: IO-360-C1D6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.6 +-0.1

Startlock Angle: NA
Feather/High Angle: 30.5 +-1.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: EDO AIRE

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E2R00041	HC-E2YR-1BF/F8467-7R/SM4	1	A/C	
BLADE	F8467-7R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	C-3533	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3533-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AERO COMMANDER

Model: 112, 112B
Trade Name: COMMANDER
Aircraft T.C./STC: STC-SA00499SE
Propeller Model: HC-E3YR-1RF
Propeller T.C.: P33EA
Blade Model(s): F7392
 F7392*1
Prop Diameter: 75" TO 73"

IDS No.: 1209 **Rev.:** **Date:** 1/11/2006
Modifier: HARTZELL PROPELLER
Engine: IO-360-C1D6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes: Engine may be turbonormalized using
 RCM Normalizing Inc. STC No. SA
 5202NM

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.2+-0.2

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E3R00017	HC-E3YR-1RF/F7392/SM7	1	A/C	
PROPELLER	E3R00017KD	HC-E3YR-1RF/F7392/SM7	1	A/C	
PROPELLER	E3R00017SKDTP	E3R00017/SM7/C-3535-1P	1	A/C	
PROPELLER	E3R00017STP	E3R00017/SM7/C-3535-1P	1	A/C	
PROPELLER	E3R00021	HC-E3YR-1RF/F7392[*1]/SM7	1	A/C	
PROPELLER	E3R00021KD	HC-E3YR-1RF/F7392[*1]/SM7	1	A/C	
PROPELLER	E3R00021SKDTP	E3R00021/SM7/C-3535-1P	1	A/C	
PROPELLER	E3R00021STP	E3R00021/SM7/C-3535-1P	1	A/C	
BLADE	F7392	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F7392*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AERO COMMANDER

Model: 112TC, 112TCA
Trade Name: COMMANDER
Aircraft T.C./STC: STC-SA00499SE
Propeller Model: HC-E3YR-1RF
Propeller T.C.: P33EA
Blade Model(s): F7392
F7392*1
Prop Diameter: 75" TO 73"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.4 +-0.2

IDS No.: 1869 **Rev.:** **Date:** 1/11/2006
Modifier: HARTZELL PROPELLER
Engine: TO-360-C1A6D
Power: 210 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00016	HC-E3YR-1RF/F7392/SM7	1	A/C	
PROPELLER	E3R00016KD	HC-E3YR-1RF/F7392/SM7	1	A/C	
PROPELLER	E3R00016SKDTP	E3R00016/SM7/C-3535-1P	1	A/C	
PROPELLER	E3R00016STP	E3R00016/SM7/C-3535-1P	1	A/C	
PROPELLER	E3R00020	HC-E3YR-1RF/F7392[*1]/SM7	1	A/C	
PROPELLER	E3R00020KD	HC-E3YR-1RF/F7392[*1]/SM7	1	A/C	
PROPELLER	E3R00020SKDTP	E3R00020/SM7/C-3535-1P	1	A/C	
PROPELLER	E3R00020STP	E3R00020/SM7/C-3535-1P	1	A/C	
BLADE	F7392	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F7392*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AERO COMMANDER

Model: 112TC, 112TCA
Trade Name: COMMANDER
Aircraft T.C./STC: A12SO
Propeller Model: HC-E2YR-1BF
Propeller T.C.: P9EA

IDS No.: 5 **Rev.:** **Date:** 3/31/2008
Modifier:
Engine: TO-360-C1A6D
Power: 210 HP @ 2575 RPM
Placard/Restr: 1) Not more than 34" of manifold pressure at propeller speeds less than 2350 RPM. 2) Not less than 20" of manifold pressure at propeller speeds between 2250 and 2450 RPM

Blade Model(s): F8467-7R
Prop Diameter: 77" TO 76.5"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 30.5 +-1.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: AERO COMMANDER

Non-HPI Governor: EDO AIRE

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E2R00042	HC-E2YR-1BF/F8467-7R/SM4	1	A/C	
BLADE	F8467-7R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AERO COMMANDER

Model: 112
Trade Name: COMMANDER
Aircraft T.C./STC: STC-SA243NW
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80"

IDS No.: 6 **Rev.:** **Date:** 12/7/1999
Modifier: MACHEN INC.
Engine: IO-540-G1, -P1, -K1, -S1
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AERO COMMANDER

Model: 114
 Trade Name: COMMANDER
 Aircraft T.C./STC: A12SO
 Propeller Model: HC-C2YR-1BF
 Propeller T.C.: P-920
 Blade Model(s): F8467-7R
 Prop Diameter: 77" NO CUT OFF

IDS No.: 7 Rev.: Date: 1/29/2001
 Modifier:
 Engine: IO-540-T4A5D, -T4B5D
 Power: 260 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 14.2 +-0.1

Startlock Angle: NA
 Feather/High Angle: 31.0 +-1.0
 Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: EDO AIRE

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R00030	HC-C2YR-1BF/F8467-7R/SM4	1	A/C	
BLADE	F8467-7R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	C-3533	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AERO COMMANDER

Model: 500
 Trade Name: AERO COMMANDER
 Aircraft T.C./STC: 6A1
 Propeller Model: HC-A2VK-2, HC-82VK-2
 Propeller T.C.: P24EA
 Blade Model(s): V8433-4
 V8433N-4
 Prop Diameter: 80.2" TO 80"

IDS No.: 2052 Rev.: Date: 1/12/2004
 Modifier:
 Engine: O-540-A2B
 Power: 250 HP @ 2575 RPM
 Placard/Restr:
 Notes:

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 14.0 +-0.2

Startlock Angle: NA
 Feather/High Angle: 83.0 +-1.0
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: HAMILTON, WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433-4	BLADE	2	Prop	
BLADE	V8433N-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6	IDS Item	1	Prop	TC, superseded by 835-30
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT, MOUNTING, 1/2-20, HEX HEAD	2	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	2	Prop	

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AERO COMMANDER

Model: 500
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-A2MVK-2
Propeller T.C.: P24EA
Blade Model(s): MV8433N-4*2
Prop Diameter: 80.2" TO 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 8 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: O-540-A2B
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: HAMILTON, WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A2K10036	HC-A2MVK-2/MV8433N-4[*2]	2	A/C	
BLADE	MV8433N-4*2	PCP:BLADE UNIT, ALUM [1,3,1]	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6	IDS Item	1	Prop	TC, superseded by 835-30
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	

AERO COMMANDER

Model: 500
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-A2XK-2, HC-82XK-2
Propeller T.C.: P24EA
Blade Model(s): 8433-4
Prop Diameter: 80.2" TO 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 2051 **Rev.:** **Date:** 1/12/2004
Modifier:
Engine: O-540-A2B
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: HAMILTON, WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6	IDS Item	1	Prop	TC, superseded by 835-30
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	

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AERO COMMANDER

Model: 500A
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-82XF-2, HC-A2XF-2
Propeller T.C.: P24EA
Blade Model(s): 8433-4
Prop Diameter: 80.3" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2053 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-470-M
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 81.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-4	BLADE	2	Prop	
SPINNER	C-2509-1	BULKHEAD ASSEMBLY	1	Prop	bh w/alcoh
SPINNER	C-2530	SPINNER ASSEMBLY	1	Prop	

AERO COMMANDER

Model: 500A
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-82VF-2, HC-A2VF-2
Propeller T.C.: P24EA
Blade Model(s): V8433-4
V8433N-4
Prop Diameter: 80.3" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2054 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-470-M
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 81.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-4	BLADE	2	Prop	
BLADE	V8433N-4	BLADE	2	Prop	
SPINNER	C-2509-1	BULKHEAD ASSEMBLY	1	Prop	bh w/alcoh
SPINNER	C-2530	SPINNER ASSEMBLY	1	Prop	

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AERO COMMANDER

Model: 500A
 Trade Name: AERO COMMANDER
 Aircraft T.C./STC: 6A1
 Propeller Model: HC-A2MVF-2
 Propeller T.C.: P24EA
 Blade Model(s): MV8433N-4*2
 Prop Diameter: 80.3" TO 78"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 12.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 9 Rev.: 1 Date: 1/7/2011

Modifier:
 Engine: IO-470-M
 Power: 260 HP @ 2625 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 81.0 +-0.5
 Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8433N-4*2	PCP:BLADE UNIT, ALUM [1,3,1]	2	Prop	
SPINNER	C-2509-1	BULKHEAD ASSEMBLY	1	Prop	bh w/alcoh
SPINNER	C-2530	SPINNER ASSEMBLY	1	Prop	

AERO COMMANDER

Model: 500B, 500S, 500U
 Trade Name: AERO COMMANDER
 Aircraft T.C./STC: 6A1
 Propeller Model: HC-83XK-2, HC-A3XK-2, HC-83XK-2A, HC-A3XK-2A
 Propeller T.C.: P6EA
 Blade Model(s): 8433-4
 Prop Diameter: 80.6" TO 80"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 12.75 +-0.25

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2055 Rev.: Date: 11/21/2003

Modifier:
 Engine: IO-540-B1(A,C)5, -E1(A,B)5
 Power: 290 HP @ 2575 RPM
 Placard/Restr:
 Notes: (82.5 OK for A/C S/N 893-1014)

Startlock Angle: NA
 Feather/High Angle: 85.5 +-0.5
 Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433-4	BLADE	3	Prop	
SPINNER	C-2513	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

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AERO COMMANDER

Model: 500B, 500S, 500U
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-83VK-2, HC-A3VK-2, HC-83VK-2A, HC-A3VK-2A
Propeller T.C.: P6EA
Blade Model(s): V8433-4
V8433N-4
Prop Diameter: 80.6" TO 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.75 +/-0.25

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2056 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-540-B1(A,C)5, -E1(A,B)5
Power: 290 HP @ 2575 RPM
Placard/Restr:

Notes: (82.5 OK for A/C S/N 893-1014)

Startlock Angle: NA
Feather/High Angle: 85.5 +/-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-4	BLADE	3	Prop	
BLADE	V8433N-4	BLADE	3	Prop	
SPINNER	C-2513	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

AERO COMMANDER

Model: 500B, 500S, 500U
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-A3MVK-2A
Propeller T.C.: P6EA
Blade Model(s): MV8433N-4*2
Prop Diameter: 80.6" TO 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.75 +/-0.25

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 10 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: IO-540-B1(A,C)5, -E1(A,B)5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes: (82.5 OK for A/C S/N 893-1014)

Startlock Angle: NA
Feather/High Angle: 85.5 +/-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3K10090	HC-A3MVK-2A/MV8433N-4[*2]			
BLADE	MV8433N-4*2	PCP:BLADE UNIT, ALUM [1,3,1]	3	Prop	
SPINNER	C-2513	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2513-P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

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AERO COMMANDER

Model: 500B, 500S, 500U
Trade Name: SHRIKE COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-C3YR-2(U)(F)
Propeller T.C.: P25EA
Blade Model(s): FC8468-6R*2
 FC8468B-6R

Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.75 +-0.25

IDS No.: 12 **Rev.:** **Date:** 11/16/2006
Modifier:
Engine: IO-540-E1(A,B)5 (-B1(A,C)5; 500B ONLY)
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes: (82.5 feather angle OK for A/C S/N 893-1014); Blades must have tip stripes on both sides

Startlock Angle: 18.25 +-1.5
Feather/High Angle: 85.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00212	HC-C3YR-2UF/FC8468-6R[*2]	2	A/C	
PROPELLER	C3R00212KD	HC-C3YR-2UF/FC8468-6R[*2]	2	A/C	
PROPELLER	C3R00214	HC-C3YR-2UF/FC8468B-6R	2	A/C	
PROPELLER	C3R00214KD	HC-C3YR-2UF/FC8468B-6R	2	A/C	
BLADE	FC8468-6R*2	PCP:BLADE UNIT, ALUM B-3202H-2	3	Prop	
BLADE	FC8468B-6R	PCP:BLADE UNIT, 4H1188-4 BOOT	3	Prop	
SPINNER	C-3258	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-4	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-4
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AERO COMMANDER

Model: 500
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA340SO
Propeller Model: EHC-83XF-2B, EHC-A3XF-2B
Propeller T.C.: P6EA
Blade Model(s): 7636D
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

IDS No.: 2058 **Rev.:** **Date:** 11/21/2003
Modifier: COLEMILL ENTERPRISE
Engine: IO-520-D, -E
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: 17.3 +-1.5
Feather/High Angle: 85.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	7636D	BLADE	3	Prop	
SPINNER	836-25P	SPINNER ASSEMBLY	1	Prop	

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AERO COMMANDER

Model: 500
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA340SO
Propeller Model: EHC-83VF-2B, EHC-A3VF-2B
Propeller T.C.: P6EA
Blade Model(s):
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
SPINNER	836-25P	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2059 **Rev.:** **Date:** 11/21/2003

Modifier: COLEMILL ENTERPRISE

Engine: IO-520-D, -E

Power: 300 HP @ 2850 RPM

Placard/Restr:

Notes:

Startlock Angle: 17.3 +-1.5

Feather/High Angle: 85.0 +-1.0

Cwt Angle:

Non-HPI Governor:

AERO COMMANDER

Model: 500
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA340SO
Propeller Model: EHC-A3MVF-2B
Propeller T.C.: P6EA
Blade Model(s): MV7636N*1
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N*1	PCP:BLADE UNIT, ALUM [1,3,1]	3	Prop	
SPINNER	836-25P	SPINNER ASSEMBLY	1	Prop	

IDS No.: 15 **Rev.:** **Date:** 10/26/1999

Modifier: COLEMILL ENTERPRISE

Engine: IO-520-D, -E

Power: 300 HP @ 2850 RPM

Placard/Restr:

Notes:

Startlock Angle: 17.3 +-1.5

Feather/High Angle: 85.0 +-1.0

Cwt Angle:

Non-HPI Governor:

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AERO COMMANDER

Model: 500
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA257CE
Propeller Model: HC-A3XK-2
Propeller T.C.: P913
Blade Model(s): 7636D
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	7636D	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2332 **Rev.:** **Date:** 1/12/2004
Modifier: KELLY AEROSPACE POWER SYSTEMS
Engine: IO-540-A1A5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

AERO COMMANDER

Model: 500A
Trade Name: SHRIKE
Aircraft T.C./STC: SA340SO
Propeller Model: EHC-G3YF-2UF
Propeller T.C.: P55GL
Blade Model(s): FC7663-4T
Prop Diameter: 74"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00029	EHC-G3YF-2UF/FC7663-4T	2	A/C	
PROPELLER	G3F00029KD	EHC-G3YF-2UF/FC7663-4T	2	A/C	
BLADE	FC7663-4T	PCP:BLADE UNIT, ALUMINUM	3	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2563 **Rev.:** **Date:** 7/17/2006
Modifier: COLEMILL ENT.
Engine: IO-520-E
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.3 +-1.5
Feather/High Angle: 82.0 +-0.5
Cwt Angle: POSITIVE

Non-HPI Governor:

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AERO COMMANDER

Model: 500
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA257CE
Propeller Model: HC-A3VK-2
Propeller T.C.: P6EA
Blade Model(s): 7636D
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	7636D	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2333 Rev.: Date: 12/18/2003

Modifier: CONSOLIDATED
Engine: IO-540-A1A5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

AERO COMMANDER

Model: 500A
Trade Name: SHRIKE
Aircraft T.C./STC: TBD
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468D-6R
Prop Diameter: 80

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00664	PHC-C3YF-2UF/FC8468D-6R/SM9	2	A/C	
BLADE	FC8468D-6R	PCP:BLADE UNIT, B-3202H-2 CWT	3	Prop	
SPINNER	C-3567-4P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Used only w/E-7167-2 Hub
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Used only w/E-7167-12 Hub

IDS No.: 2672 Rev.: Date: 1/10/2007

Modifier: HUGH EVANS
Engine: IO-550-E()
Power: 320 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 19.5 +-1.0
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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AERO COMMANDER

Model: 500B, 500S, 500U
Trade Name: AERO COMMANDER
Aircraft T.C./STC: SA 5969NM
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468D-6R
Prop Diameter: 80" TO 79"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

IDS No.: 1894 **Rev.:** 1 **Date:** 6/18/2012
Modifier: MERLYN PRODUCTS
Engine: TIO-540-J2B(D)
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 16.5 +-1.5
Feather/High Angle: 74.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00222	HC-C3YR-2UF/FC8468D-6R	2	A/C	
PROPELLER	C3R00222KD	HC-C3YR-2UF/FC8468D-6R	2	A/C	
BLADE	FC8468D-6R	PCP:BLADE UNIT, B-3202H-2 CWT	3	Prop	
SPINNER	C-3258	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3258-P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AERO COMMANDER

Model: 500B, 500S, 500U
Trade Name: AERO COMMANDER
Aircraft T.C./STC: SA 5969NM
Propeller Model: HC-C4YR-2
Propeller T.C.: P52GL

Blade Model(s): FC6660K*1
Prop Diameter: 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 19.5 +-0.1

IDS No.: 1332 **Rev.:** 1 **Date:** 9/9/2011
Modifier: MERLYN PRODUCTS
Engine: TIO-540-J2B(D)
Power: 350 HP @ 2575 RPM
Placard/Restr: (1) Ground operation - "Prohibit sustained operation between 1700 and 2200 RPM."
(2) Flight Operation - "Avoid sustained operation below 2000 RPM at manifold pressures above 20 inches Hg."

Notes: Reference Manual 115N for Airworthiness Limitations.

Startlock Angle: 25.0 +-1.5
Feather/High Angle: 75.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C4R00015	HC-C4YR-2/FC6660K[*1]/SM20	2	A/C	
BLADE	FC6660K*1	PCP:BLADE UNIT, ALUM [1,3,1]	4	Prop	
SPINNER	D-4511-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-20	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICE KIT_PR	7931-67-500-3	DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AERO COMMANDER

Model: 500B, 500S, 500U
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA00169SE
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468-6R*2
 FC8468D-6R*1
Prop Diameter: 80" TO 79"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.1

IDS No.: 19 **Rev.:** **Date:** 7/15/2003
Modifier: MERLYN PRODUCTS
Engine: IO-540-M1C5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.7 +-1.5
Feather/High Angle: 82.1 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8468-6R*2	PCP:BLADE UNIT, ALUM B-3202H-2	3	Prop	
BLADE	FC8468D-6R*1	PCP:BLADE UNIT, B3202H-2 CWT	3	Prop	
SPINNER	C-3258	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3258-P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AERO COMMANDER

Model: 500U, 500S
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA2478SW
Propeller Model: HC-A3MVK-2A
Propeller T.C.: P6EA
Blade Model(s): MV8433N-4Q*1
 MV8433N-4R*1
Prop Diameter: 80 5/8"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.5

IDS No.: 13 **Rev.:** 1 **Date:** 1/7/2011
Modifier: MR. RPM
Engine: IO-720-B1B, -B1BD
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A3K10095	HC-A3MVK-2A/MV8433N-4R[*1]	2	A/C	
BLADE	MV8433N-4Q*1	PCP:BLADE UNIT, ALUM [1,3,1]	3	Prop	
BLADE	MV8433N-4R*1	PCP:BLADE UNIT, ALUM [1,3,1]	3	Prop	
SPINNER	C-2513	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2513-P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

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AERO COMMANDER

Model: 500U, 500S
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA2478SW
Propeller Model: HC-A3VK-2A
Propeller T.C.: P6EA
Blade Model(s): V8433N-4Q
V8433N-4R
Prop Diameter: 80 5/8"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.5

IDS No.: 2308 **Rev.:** **Date:** 11/25/2003
Modifier: MR. RPM
Engine: IO-720-B1B, -B1BD
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433N-4Q	BLADE	3	Prop	
BLADE	V8433N-4R	BLADE	3	Prop	
SPINNER	C-2513	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2513-P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	3	Prop	

AERO COMMANDER

Model: 500A
Trade Name:
Aircraft T.C./STC: SR02088SE
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468D-8R
Prop Diameter: 78" to 76"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 10.0 +/- 0.2

IDS No.: 3012 **Rev.:** 1 **Date:** 2/13/2012
Modifier: Palm Beach Aviation Services
Engine: IO-520-E
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: IO-520-E engines installed per STC SA340SO

Startlock Angle: 15.5 +/- 1.5
Feather/High Angle: 82.0 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00450	PHC-C3YF-2UF/FC8468D-8R/SM9	2	A/C	
BLADE	FC8468D-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3567-4	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use only with E-7167-2 Hub
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use only with E-7167-12 Hub

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AERO COMMANDER

Model: 500
Trade Name: AERO COMMANDER
Aircraft T.C./STC: Unknown
Propeller Model: HC-A3VK-2B
Propeller T.C.: P6EA
Blade Model(s): V7636
V7636N

Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636	IDS ITEM	3	Prop	
BLADE	V7636N	BLADE	3	Prop	

IDS No.: 2335 **Rev.:** **Date:** 12/4/2003

Modifier:
Engine: O-540-A2B
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.0 +-1.0
Cwt Angle:

Non-HPI Governor:

AERO COMMANDER

Model: 500
Trade Name: AERO COMMANDER
Aircraft T.C./STC: Unknown
Propeller Model: HC-A3XK-2B
Propeller T.C.: P913
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2334 **Rev.:** **Date:** 12/2/2003

Modifier:
Engine: O-540-A2B
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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AERO COMMANDER

Model: 520
 Trade Name: AERO COMMANDER
 Aircraft T.C./STC: 6A1
 Propeller Model: HC-82X20-2, HC-A2X20-2
 Propeller T.C.: P24EA
 Blade Model(s): 9333C-3
 Prop Diameter: 90" TO 88"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 18.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2062 Rev.: Date: 11/21/2003

Modifier:
 Engine: GO-435-C2, -C2B, -C2B1
 Power: 260 HP @ 2182 RPM
 Placard/Restr:
 Notes:

Startlock Angle: 28.5 +-1.5
 Feather/High Angle: 89.0 +-0.5
 Cwt Angle: Positive

Non-HPI Governor: HAMILTON, WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	9333C-3	BLADE	2	Prop	
SPINNER	835-1S	IDS Item	1	Prop	
GOVERNOR	A1-B	GOVERNOR ASSEMBLY, A-1-()	1	Prop	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	Prop	T Drive
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

AERO COMMANDER

Model: 520
 Trade Name: AERO COMMANDER
 Aircraft T.C./STC: 6A1
 Propeller Model: HC-82V20-2, HC-A2V20-2
 Propeller T.C.: P24EA
 Blade Model(s): V9333C-3
 Prop Diameter: 90" TO 88"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 18.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2063 Rev.: Date: 11/21/2003

Modifier:
 Engine: GO-435-C2, -C2B, -C2B1
 Power: 260 HP @ 2182 RPM
 Placard/Restr:
 Notes:

Startlock Angle: 28.5 +-1.5
 Feather/High Angle: 89.0 +-0.5
 Cwt Angle: Positive

Non-HPI Governor: HAMILTON, WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V9333C-3	BLADE	2	Prop	
SPINNER	835-1S	IDS Item	1	Prop	
GOVERNOR	A1-B	GOVERNOR ASSEMBLY, A-1-()	1	Prop	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	Prop	T Drive
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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AERO COMMANDER

Model: 520
 Trade Name: AERO COMMANDER
 Aircraft T.C./STC: 6A1
 Propeller Model: HC-A2MV20-2
 Propeller T.C.: P24EA
 Blade Model(s): MV9333N-3*1
 Prop Diameter: 90" TO 88"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 18.0

IDS No.: 22 Rev.: 1 Date: 1/7/2011
 Modifier:
 Engine: GO-435-C2, -C2B, -C2B1
 Power: 260 HP @ 2182 RPM
 Placard/Restr:
 Notes:

Startlock Angle: 28.5
 Feather/High Angle: 89.0
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: HAMILTON, WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV9333N-3*1	PCP:BLADE UNIT, ALUM [1,3,1]	2	Prop	
SPINNER	835-1S	IDS Item	1	Prop	
GOVERNOR	A1-B	GOVERNOR ASSEMBLY, A-1-()	2	A/C	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	2	A/C	T Drive
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

AERO COMMANDER

Model: 520
 Trade Name: AERO COMMANDER
 Aircraft T.C./STC: 6A1
 Propeller Model: HC-83X20-2, HC-A3X20-2
 Propeller T.C.: P6EA
 Blade Model(s): 8433
 Prop Diameter: 84" NO CUT OFF

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 16.0+-1

IDS No.: 2060 Rev.: Date: 11/21/2003
 Modifier:
 Engine: GO-435-C2, -C2B, -C2B1
 Power: 260 HP @ 2182 RPM
 Placard/Restr:
 Notes:

Startlock Angle: 26.5+-1.5
 Feather/High Angle: 87.0+-1.0
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-9	IDS Item	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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AERO COMMANDER

Model: 520
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-83V20-2, HC-A3V20-2
Propeller T.C.: P6EA
Blade Model(s): V8433
V8433N

Prop Diameter: 84" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0+-1

IDS No.: 2061 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GO-435-C2, -C2B, -C2B1
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 26.5+-1.5
Feather/High Angle: 87.0+-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	3	Prop	
BLADE	V8433N	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-9	IDS Item	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

AERO COMMANDER

Model: 520
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV8433N*1
Prop Diameter: 84" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0+-1

IDS No.: 20 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: GO-435-C2, -C2B, -C2B1
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 26.5+-1.5
Feather/High Angle: 87.0+-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3210065	HC-A3MV20-2/MV8433N[*1]	2	A/C	
BLADE	MV8433N*1	PCP:BLADE UNIT, ALUM [1,3,1]	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-9	IDS Item	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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AERO COMMANDER

Model: 560
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-82X20-2, HC-A2X20-2
Propeller T.C.: P24EA
Blade Model(s): 9333C-3
Prop Diameter: 90" TO 88"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 18.0 +-0.2

IDS No.: 2064 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GO-480-B, -B1C
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 28.5 +-1.5
Feather/High Angle: 89.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	9333C-3	BLADE	2	Prop	
SPINNER	835-1S	IDS Item	1	Prop	
GOVERNOR	A1	IDS Item	1	Prop	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	Prop	T Drive
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

AERO COMMANDER

Model: 560
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-82V20-2, HC-A2V20-2
Propeller T.C.: P24EA
Blade Model(s): V9333C-3
Prop Diameter: 90" TO 88"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 18.0 +-0.2

IDS No.: 2065 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GO-480-B, -B1C
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 28.5 +-1.5
Feather/High Angle: 89.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V9333C-3	BLADE	2	Prop	
SPINNER	835-1S	IDS Item	1	Prop	
GOVERNOR	A1	IDS Item	1	Prop	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	Prop	T Drive
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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AERO COMMANDER

Model: 560
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-A2MV20-2
Propeller T.C.: P24EA
Blade Model(s): MV9333N-3*1
Prop Diameter: 90" TO 88"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 18.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 23 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: GO-480-B, -B1C
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 28.5 +-1.5
Feather/High Angle: 89.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV9333N-3*1	PCP:BLADE UNIT, ALUM [1,3,1]	2	Prop	
SPINNER	835-1S	IDS Item	1	Prop	
GOVERNOR	A1	IDS Item	2	A/C	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	2	A/C	T Drive
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

AERO COMMANDER

Model: 560
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-A3X20-2
Propeller T.C.: P-913
Blade Model(s): 8433
Prop Diameter: 84" NO CUTOFF

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 16.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2542 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: GO-480-B, -B1C
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes: Spinner Assembly may need to be upgraded to current spinner assembly configuration; Prop originally HC-83X20-2.

Startlock Angle: 26.3 +-1.5
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: 210075 OR 210245

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	3	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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AERO COMMANDER

Model: 560
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-A3V20-2
Propeller T.C.: P6EA
Blade Model(s): V8433N
Prop Diameter: 84" NO CUTOFF

IDS No.: 2543 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: GO-480-B, -B1C
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes: Spinner Assembly may need upgraded to current Spinner Assembly Configuration; Prop originally HC-83V20-2

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 16.0 +-0.5

Startlock Angle: 26.3 +-1.5
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: 210075 OR 210245

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433N	BLADE	3	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

AERO COMMANDER

Model: 560
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV8433N
Prop Diameter: 84" NOT CUTOFF

IDS No.: 2541 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: GO-480-B, -B1C
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes: Spinner Assembly may need to be upgraded to current Spinner Assembly Configuration.

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 16.0 +-0.2

Startlock Angle: 26.5 +-1.5
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: 210075 OR 210245

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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AERO COMMANDER

Model: 560A
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-83V20-2, HC-A3V20-2
Propeller T.C.: P6EA
Blade Model(s): V8433
V8433N

Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0+-0.2

IDS No.: 2068 **Rev.:** **Date:** 3/7/2005

Modifier:
Engine: GO-480-D1A, -C1B6, -G1B6
Power: 275 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 26.5+-1.5
Feather/High Angle: 87.0+-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	3	Prop	
BLADE	V8433N	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-9	IDS Item	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

AERO COMMANDER

Model: 560A
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-83X20-2, HC-A3X20-2
Propeller T.C.: P6EA
Blade Model(s): 8433
Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0+-0.2

IDS No.: 2067 **Rev.:** **Date:** 3/4/2005

Modifier:
Engine: GO-480-D1A, -C1B6, -G1B6
Power: 275 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 26.5+-1.5
Feather/High Angle: 87.0+-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-9	IDS Item	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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AERO COMMANDER

Model: 560A
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV8433N*1
Prop Diameter: 84.6" TO 84"

IDS No.: 24 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: GO-480-D1A, -C1B6, -G1B6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0+-0.2

Startlock Angle: 26.5+-1.5
Feather/High Angle: 87.0+-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A3210068	HC-A3MV20-2/MV8433N[*1]	2	A/C	
BLADE	MV8433N*1	PCP:BLADE UNIT, ALUM [1,3,1]	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-9	IDS Item	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

AERO COMMANDER

Model: 560A, 560E
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-83X20-2, HC-A3X20-2
Propeller T.C.: P6EA

Blade Model(s): 8833-2
Prop Diameter: 86.4" TO 86"

IDS No.: 2069 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: GO-480-C1B6, -G1B6
Power: 295 HP @ 2182 RPM
Placard/Restr: Avoid continuous operation in flight below 2400 RPM.
Notes: BFGoodrich STC-SA132EA for deice dated 6/28/63; Bulkhead drilled per STC Template

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.2

Startlock Angle: 26.5 +-1.5
Feather/High Angle: 83.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8833-2	IDS ITEM	3	Prop	
SPINNER	836-22SPR	SPINNER ASSEMBLY	1	Prop	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICE KIT_PR	7931-77-320	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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AERO COMMANDER

Model: 560A, 560E
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-A3V20-2
Propeller T.C.: P6EA

Blade Model(s): V8833N-2
Prop Diameter: 86.4" TO 86"

IDS No.: 2309 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: GO-480-C1B6, -G1B6
Power: 295 HP @ 2182 RPM
Placard/Restr: Avoid continuous operation in flight below 2400 RPM.
Notes: BFGoodrich STC-SA132EA for deice dated 6/28/63; Bulkhead drilled per STC Template

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +0.2

Startlock Angle: 26.5 +-1.5
Feather/High Angle: 83.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8833N-2	BLADE UNIT	3	Prop	
SPINNER	836-22SPR	SPINNER ASSEMBLY	1	Prop	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICE KIT_PR	7931-77-320	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

AERO COMMANDER

Model: 560A, 560E
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 6A1
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV8833N-2
 MV8833NB-2
Prop Diameter: 86.4" TO 86"

IDS No.: 25 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: GO-480-C1B6, -G1B6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes: BFGoodrich STC-SA132EA for deice dated 6/28/63; Bulkhead drilled per STC Template

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +0.2

Startlock Angle: 26.5 +-1.5
Feather/High Angle: 83.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A3210062	HC-A3MV20-2/MV8833N-2	2	A/C	
PROPELLER	A3210063	HC-A3MV20-2/MV8833NB-2	2	A/C	
BLADE	MV8833N-2	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	MV8833NB-2	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-22SPR	SPINNER ASSEMBLY	1	Prop	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICE KIT_PR	7931-77-320	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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AERO COMMANDER

Model: 560-F
 Trade Name: AERO COMMANDER
 Aircraft T.C./STC: 2A4
 Propeller Model: HC-B3Z30-2E(A,B)
 Propeller T.C.: P907
 Blade Model(s): 9349
 9349N

Prop Diameter: 93.5"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 15.0 +-0.2

IDS No.: 26 Rev.: 1 Date: 1/7/2011

Modifier:
 Engine: IGO-540-B1A, -B1C
 Power: 350 HP @ 2182 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 87.0 +-0.5
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	9349	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	9349N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-2504	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2535	SPINNER ASSEMBLY	1	Prop	alcohol
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

AERO COMMANDER

Model: 560-F
 Trade Name: AERO COMMANDER
 Aircraft T.C./STC: 2A4
 Propeller Model: HC-B3Z30-2B
 Propeller T.C.: P-907
 Blade Model(s): 9349-6.5
 9349N-6.5

Prop Diameter: 87" NO CUT OFF

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 18 +- 0.2

IDS No.: 1561 Rev.: 1 Date: 1/10/2011

Modifier: N/A
 Engine: IGO-540-B1A, -B1C
 Power: 350 HP @ 2182 RPM
 Placard/Restr:
 Notes: N/A

Startlock Angle: NA
 Feather/High Angle: 86.0 +- 0.5
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	9349-6.5	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	9349N-6.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-2504	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2535	SPINNER ASSEMBLY	1	Prop	Alcohol
MTG BOLT/STUD	B-1814	IDS Item	1	Prop	Primary
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	Secondary

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AERO COMMANDER

Model: 560
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA2-89
Propeller Model: HC-A3X20-2
Propeller T.C.: P913
Blade Model(s): 8433
8833-2

Prop Diameter: 86.4"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2336 **Rev.:** **Date:** 12/18/2003

Modifier: RYDER-AVIALL
Engine: GO-480-C1D6
Power: 295 HP @ 3400 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: POSITIVE

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	3	Prop	
BLADE	8833-2	IDS ITEM	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	

AERO COMMANDER

Model: 560
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA2-89
Propeller Model: HC-A3V20-2
Propeller T.C.: P6EA
Blade Model(s): V8433
V8433N
V8833
V8833N

Prop Diameter: 86.4"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2337 **Rev.:** **Date:** 12/18/2003

Modifier: RYDER-AVIALL
Engine: GO-480-C1D6
Power: 295 HP @ 3400 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: POSITIVE

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	3	Prop	
BLADE	V8433N	BLADE	3	Prop	
BLADE	V8833	BLADE UNIT	3	Prop	
BLADE	V8833N	BLADE UNIT	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	

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AERO COMMANDER

Model: 680, 680-E, 720
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 2A4
Propeller Model: HC-83X20-2, HC-A3X20-2
Propeller T.C.: P6EA
Blade Model(s): 9333C
Prop Diameter: 93.6" TO 93"

IDS No.: 2072 **Rev.:** **Date:** 1/31/2006
Modifier:
Engine: GSO-480-A1A6, -B1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 83.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	9333C	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-21SP	IDS Item	1	Prop	w/ De-ice
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
DE-ICER	C-2131	BOOT, ANTI-ICING	1	Blade	Blade Component
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

AERO COMMANDER

Model: 680, 680-E, 720
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 2A4
Propeller Model: HC-A3V20-2
Propeller T.C.: P6EA
Blade Model(s): V9333C
Prop Diameter: 93.6" TO 93"

IDS No.: 2310 **Rev.:** **Date:** 11/24/2003
Modifier:
Engine: GSO-480-A1A6, -B1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 83.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V9333C	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-21SP	IDS Item	1	Prop	w/ De-ice
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
DE-ICER	C-2131	BOOT, ANTI-ICING	1	Blade	Blade Component
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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AERO COMMANDER

Model: 680, 680-E, 720
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 2A4
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV9333N*1
 MV9333NB

Prop Diameter: 93.6" TO 93"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.2

IDS No.: 29 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: GSO-480-A1A6, -B1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3210067	HC-A3MV20-2/MV9333N[*1]	2	A/C	
BLADE	MV9333N*1	PCP:BLADE UNIT, ALUM [1,3,1]	3	Prop	
BLADE	MV9333NB	IDS ITEM, BLADE, C-2131 BOOT	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-21SP	IDS Item	1	Prop	w/ De-ice
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
DE-ICER	C-2131	BOOT, ANTI-ICING	1	Blade	Blade Component
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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AERO COMMANDER

Model: 680F, 680FL, 680FLP
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 2A4
Propeller Model: HC-B3Z30-2E(A,B)
Propeller T.C.: P907
Blade Model(s): 9349

9349-6.5
 9349N
 9349N-6.5

Prop Diameter: 93.5" 9349, 87" 9349-6.5

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 18.0 +-0.2

IDS No.: 30 **Rev.:** 2 **Date:** 7/27/2012
Modifier:
Engine: IGSO-540-B1A, -B1C
Power: 380 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 86.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3320050	HC-B3Z30-2EB/9349N-6.5	2	A/C	
PROPELLER	B3320050KD	HC-B3Z30-2EB/9349N-6.5	2	A/C	
BLADE	9349	BLADE UNIT, ALUMINUM	3	Prop	680F, 680FL ONLY
BLADE	9349-6.5	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	9349N	PCP:BLADE UNIT, ALUMINUM	3	Prop	680F, 680FL ONLY
BLADE	9349N-6.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-2504	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2535	SPINNER ASSEMBLY	1	Prop	al, 680F only
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

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AERO COMMANDER

Model: 680, 680E, 720
Trade Name: AERO COMMANDER
Aircraft T.C./STC: SA00770SE
Propeller Model: HC-B3Z20-2A
Propeller T.C.: P-907
Blade Model(s): 10151-8R
 10151B-8R
 10151N-8R
 10151NB-8R

Prop Diameter: 93" TO 90"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

IDS No.: 1747 **Rev.:** 1 **Date:** 1/10/2011
Modifier: James R. Metzger
Engine: IGSO-480-A1A6, -B1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	10151-8R	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151B-8R	BLADE UNIT, ALUMINUM, 4H1188-3	3	Prop	
BLADE	10151N-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151NB-8R	PCP:BLADE UNIT, ALUM 4H1188-3	3	Prop	
CWT_SLUG	A-619-2	SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

AERO COMMANDER

Model: 680, 680E
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA439WE
Propeller Model: HC-83X20-2, HC-A3X20-2
Propeller T.C.: P6EA
Blade Model(s): 9333C
Prop Diameter: 93.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.2

IDS No.: 2074 **Rev.:** **Date:** 1/31/2006
Modifier: WESTERN COMMANDER
Engine: IGSO-480-A1D6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	9333C	BLADE	3	Prop	
SPINNER	836-22S	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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AERO COMMANDER

Model: 80, 680E
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA439WE
Propeller Model: HC-A3X20-2
Propeller T.C.: P913
Blade Model(s): 9333C
Prop Diameter: 93.6"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	9333C	BLADE	3	Prop	
SPINNER	836-22S	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2338 **Rev.:** **Date:** 12/18/2003
Modifier: WESTERN COM.
Engine: IGSO-480-A1D6
Power: 340 HP @ 3400 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor: WOODWARD

AERO COMMANDER

Model: 680, 680E
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA439WE
Propeller Model: HC-83V20-2, HC-A3V20-2
Propeller T.C.: P6EA
Blade Model(s): V9333C
Prop Diameter: 93.6"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V9333C	BLADE	3	Prop	
SPINNER	836-22S	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2075 **Rev.:** **Date:** 12/19/2003
Modifier: WESTERN COMMANDER
Engine: IGSO-480-A1D6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

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AERO COMMANDER

Model: 680, 680E
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA439WE
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV9333N*1
Prop Diameter: 93.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.2

IDS No.: 33 **Rev.:** 1 **Date:** 1/7/2011
Modifier: WESTERN COMMANDER
Engine: IGSO-480-A1D6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV9333N*1	PCP:BLADE UNIT, ALUM [1,3,1]	3	Prop	
SPINNER	836-22S	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

AERO COMMANDER

Model: 680F
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA2691WE
Propeller Model: HC-A3XK-2A
Propeller T.C.: P6EA
Blade Model(s): 8433
Prop Diameter: 84.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 2070 **Rev.:** **Date:** 11/21/2003
Modifier: MR. RPM
Engine: IO-720-B1B(D)
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433	BLADE	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

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AERO COMMANDER

Model: 680F
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA2691WE
Propeller Model: HC-A3VK-2A
Propeller T.C.: P6EA
Blade Model(s): V8433
V8433N
V8433NB-6Q

Prop Diameter: 84.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 2071 **Rev.:** **Date:** 11/21/2003
Modifier: MR. RPM
Engine: IO-720-B1B(D)
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	3	Prop	
BLADE	V8433N	BLADE	3	Prop	
BLADE	V8433NB-6Q	BLADE	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

AERO COMMANDER

Model: 680F
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA2691WE
Propeller Model: HC-A3MVK-2A
Propeller T.C.: P6EA
Blade Model(s): MV8433N*1
Prop Diameter: 84.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 28 **Rev.:** 1 **Date:** 1/7/2011
Modifier: MR. RPM
Engine: IO-720-B1B(D)
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3K10076	HC-A3MVK-2A/MV8433N[*1]	2	A/C	
BLADE	MV8433N*1	PCP:BLADE UNIT, ALUM [1,3,1]	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

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AERO COMMANDER

Model: 680FL(P)
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA2891WE
Propeller Model: HC-A3VK-2A
Propeller T.C.: P6EA
Blade Model(s):
Prop Diameter: 84.6"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 2073 **Rev.:** **Date:** 11/21/2003

Modifier: MR. RPM
Engine: IO-720-B1B(D)
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
DE-ICE KIT_PR	7931-65-410-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

AERO COMMANDER

Model: 680FL(P)
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA2891WE
Propeller Model: HC-A3MVK-2A
Propeller T.C.: P6EA
Blade Model(s): MV8433N*1
Prop Diameter: 84.6"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 32 **Rev.:** 2 **Date:** 3/7/2011

Modifier: MR. RPM
Engine: IO-720-B1B(D)
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A3K10075	HC-A3MVK-2A/MV8433N[*1]	2	A/C	
BLADE	MV8433N*1	PCP:BLADE UNIT, ALUM [1,3,1]	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
DE-ICE KIT_PR	7931-65-410-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

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AERO COMMANDER

Model: 680T, 680V, 681
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA924NW/1184NW
Propeller Model: HC-B3TN-5K
Propeller T.C.: P15EA
Blade Model(s): T10178B-13Q
 T10178NB-13Q

Prop Diameter: 88.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -9.0 +-1.0
Low Pitch Angle:

IDS No.: 31 **Rev.:** 3 **Date:** 3/27/2013
Modifier: AERO AIR
Engine: TPE331-43B, -43L
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.5 +-0.1
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10775	HC-B3TN-5K/T10178NB-13Q	2	A/C	
PROPELLER	B3N10776	HC-B3TN-5K/T10178NB-13Q/BULK	2	A/C	
BLADE	T10178B-13Q	BLADE, 4E1188-10 BOOT	3	Prop	
BLADE	T10178NB-13Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-61	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H1188-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-10
DE-ICER	7931-4E1188-10	PROP DE-ICER	1	Blade	Superseded by 4H1188-10
DE-ICE KIT_PR	7931-65-410-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

AERO COMMANDER

Model: 680F
Trade Name: AERO COMMANDER
Aircraft T.C./STC: Experimental
Propeller Model: HC-A3MVK-2A
Propeller T.C.: P6EA
Blade Model(s): MV8433NB-6Q
Prop Diameter: 78.625"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

IDS No.: 34 **Rev.:** 1 **Date:** 1/7/2011
Modifier: PICKETT AVIATION
Engine: IO-720-B1B
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes: Field approval of Q tip conversion of propeller on a Mr. RPM STC

Startlock Angle: NA
Feather/High Angle: 81.4 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8433NB-6Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

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AERO COMMANDER

Model: 685
Trade Name: AERO COMMANDER
Aircraft T.C./STC: 2A4
Propeller Model: HC-H3YN-2(U)(F)
Propeller T.C.: P35EA
Blade Model(s): FC8475+2
FC8475B+2
Prop Diameter: 88" TO 87"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 18.1 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 35 **Rev.:** **Date:** 9/26/2006
Modifier:
Engine: GTSIO-520-F, -K
Power: 435 HP @ 2267 RPM
Placard/Restr:
Notes:

Startlock Angle: 23.6 +-1.5
Feather/High Angle: 83.5 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8475+2	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC8475B+2	BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-3273-1	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-7
MTG BOLT/STUD	A-3254	STUD, MOUNTING, 9/16-18	8	Prop	

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AERO COMMANDER

Model: 690, A, B
Trade Name: TURBO COMMANDER
Aircraft T.C./STC: 2A4
Propeller Model: HC-B3TN-5DL, FL, NL
Propeller T.C.: P15EA
Blade Model(s): LT10282+4
 LT10282A+4
 LT10282AB+4
 LT10282B+4*1
 LT10282NB+4*1
Prop Diameter: 106.5" TO 105.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: 13.5 +-0.2

IDS No.: 36 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: TPE331-5-251K, -252K
Power: 840 HP @ 1591 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.5 +-0.2
Feather/High Angle: 90.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LT10282+4	BLADE	3	Prop	SUPERSEDED BY LT10282N+4
BLADE	LT10282A+4	IDS ITEM, BLADE	3	Prop	
BLADE	LT10282AB+4	IDS ITEM, BLADE, 4E1601-5 BOOT	3	Prop	
BLADE	LT10282B+4*1	IDS ITEM, BLADE, 4E1601-5 BOOT	3	Prop	
BLADE	LT10282NB+4*1	LT10282N+4, 4E1601-5 @ 1.063"	3	Prop	
SPINNER	836-57P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3663	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H1601-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-5
DE-ICE KIT_PR	7931-77-025-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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AERO COMMANDER

Model: 690, 690A, 690B
Trade Name: TURBO COMMANDER
Aircraft T.C./STC: STC-SA546GL
Propeller Model: HC-B3TN-5DL, -5FL, -5NL
Propeller T.C.: P15EA
Blade Model(s): LT10673B
 LT10673NB

Prop Diameter: 106.0" TO 105.0"

Prop Setup:

Ref. Radius 42
Reverse Angle: -14.0 +-0.5
Low Pitch Angle: NA

IDS No.: 39 **Rev.:** 1 **Date:** 1/7/2011
Modifier: GULFSTREAM AMERICAN
Engine: TPE331-5-251K
Power: 840 HP @ 1591 RPM
Placard/Restr:
Notes:

Startlock Angle: -8.7 +-0.5
Feather/High Angle: 77.9 +-0.5
Cwt Angle: 8.5 +-1.5

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N11300	HC-B3TN-5NL/LT10673NB			
BLADE	LT10673B	BLADE, 4E1601-5 BOOT	3	Prop	
BLADE	LT10673NB	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-57P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H1601-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-5
DE-ICE KIT_PR	7931-77-025-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AERO COMMANDER

Model: 690, 690A, 690B, 690C
Trade Name: TURBO COMMANDER
Aircraft T.C./STC: STC-SA1464NM
Propeller Model: HC-B3TN-5FL
Propeller T.C.: P15EA
Blade Model(s): LT10673-2Q
 LT10673B-2Q
 LT10673N-2Q
 LT10673NB-2Q

Prop Diameter: 104"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: 13.5 +-0.2

IDS No.: 37 **Rev.:** 1 **Date:** 1/7/2011
Modifier: AERO AIR
Engine: TPE331-5-254K
Power: 715 HP @ 1591 RPM
Placard/Restr:
Notes: Inactive for new production - See IDS #2789

Startlock Angle: 2.5 +-0.2
Feather/High Angle: 90.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LT10673-2Q	BLADE	3	Prop	
BLADE	LT10673B-2Q	BLADE, 4E1601-5 BOOT	3	Prop	
BLADE	LT10673N-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	LT10673NB-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-57P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-7330P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H1601-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-5
DE-ICE KIT_PR	7931-77-025-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AERO COMMANDER

Model: 690, 690A, 690B
Trade Name: TURBO COMMANDER
Aircraft T.C./STC: STC-SA1464NM
Propeller Model: HC-B3TN-5FL
Propeller T.C.: P15EA
Blade Model(s): LT10673-2Q
 LT10673B-2Q
 LT10673N-2Q
 LT10673NB-2Q

Prop Diameter: 104.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: NA

IDS No.: 1362 **Rev.:** 1 **Date:** 1/10/2011
Modifier: AERO AIR
Engine: TPE331-10T-512K, -515K, -516K
Power: 717 HP @ 1607 RPM
Placard/Restr:
Notes: Inactive for new production - See IDS #2789.

Startlock Angle: 2.5 +-0.2
Feather/High Angle: 90.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N15000	HC-B3TN-5FL/LT10673N-2Q	2	A/C	
BLADE	LT10673-2Q	BLADE	3	Prop	
BLADE	LT10673B-2Q	BLADE, 4E1601-5 BOOT	3	Prop	
BLADE	LT10673N-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	LT10673NB-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-57P	SPINNER ASSEMBLY	3	Prop	
SPINNER	D-7330P	SPINNER ASSEMBLY	3	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H1601-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-5
DE-ICE KIT_PR	7931-77-025-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AERO COMMANDER

Model: 695, 695A, 695B, 690D
Trade Name: TURBO COMMANDER
Aircraft T.C./STC: STC-SA2380NM
Propeller Model: HC-B3TN-5FL, -5NL
Propeller T.C.: P15EA
Blade Model(s): LT10876ANS-2Q
 LT10876ANSB-2Q
 LT10876AS-2Q
 LT10876ASB-2Q

Prop Diameter: 106.5" NO CUT OFF

Prop Setup:

Ref. Radius: 42
Reverse Angle: -18.0 +-0.5
Low Pitch Angle: 4.0 +-0.5 F.I.

IDS No.: 40 **Rev.:** 2 **Date:** 7/15/2013
Modifier: AERO AIR
Engine: TPE331-10-501K, -511K
Power: 820 HP @ 1591 RPM
Placard/Restr:
Notes: B3N11410S uses D7330P Spinner

Startlock Angle: -6.0 +-0.2
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N11400	HC-B3TN-5NL/LT10876ANSB-2Q			
PROPELLER	B3N11400S	B3TN-5NL/LT10876ANSB2Q/836-57P			
PROPELLER	B3N11410S	B3TN-5NL/LT10876ANSB2Q/D-7330P			
PROPELLER	B3N11410SKD	B3TN-5NL/LT10876ANSB2Q/D-7330P			
BLADE	LT10876ANS-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	LT10876ANSB-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	LT10876AS-2Q	BLADE	3	Prop	
BLADE	LT10876ASB-2Q	BLADE	3	Prop	
SPINNER	836-57P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-7330P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H1601-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-5
DE-ICE KIT_PR	7931-77-025-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AERO COMMANDER (CALLAIR)

Model: B1 (CALLAIR)
Trade Name:
Aircraft T.C./STC: A7WE, A8WE
Propeller Model: HC-A3VK-4
Propeller T.C.: P6EA
Blade Model(s): V8433-4
V8433N-4
Prop Diameter: 80.6" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

IDS No.: 2076 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-720-A1A
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-4	BLADE	3	Prop	
BLADE	V8433N-4	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-1	IDS Item	1	A/C	

AERO COMMANDER (CALLAIR)

Model: B1 (CALLAIR)
Trade Name:
Aircraft T.C./STC: A7WE, A8WE
Propeller Model: HC-A3MVK-4
Propeller T.C.: P6EA
Blade Model(s): MV8433N-4
Prop Diameter: 80.6" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

IDS No.: 41 **Rev.:** **Date:** 6/13/2006

Modifier:
Engine: IO-720-A1A
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-1	IDS Item	1	A/C	

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AERO COMMANDER (CALLAIR)

Model: B1A (CALLAIR)
Trade Name:
Aircraft T.C./STC: A7WE, A8WE
Propeller Model: HA-B3Z30-1
Propeller T.C.:
Blade Model(s): 10160-6
10160N-6
Prop Diameter: 95" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 20.0 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10160-6	IDS Item	3	Prop	
BLADE	10160N-6	IDS Item	3	Prop	
SPINNER	836-16R	IDS Item	1	Prop	

IDS No.: 42 **Rev.:** **Date:** 6/13/2006

Modifier:
Engine: R985-AN1, AN3, AN14B, 1B5
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle: Positive

Non-HPI Governor:

AERO COMMANDER 200, 400

Model: see PROP JETS INC.
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 43 **Rev.:** **Date:** 2/2/2005

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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AERO COMMANDER 700

Model: see FUJI 700

Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 44 Rev.: Date: 2/2/2005

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

AERO COMMANDER THRUSH

Model: see AYRES

Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 45 Rev.: Date: 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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AERO ENGINES

Model: AIRCRUISER
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: BHC-C2YF-1BF
Propeller T.C.: P-920
Blade Model(s): F7663
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 47 **Rev.:** **Date:** 9/21/2004

Modifier:
Engine: IO-360-D
Power: 210 HP @ 2800 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor:

AERO MERCANTILE

Model: see EL GAVILAN S.A.
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 48 **Rev.:** **Date:** 11/10/1997

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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AERO VODOCHODY

Model: Ae 270
Trade Name: IBIS
Aircraft T.C./STC: Unknown
Propeller Model: HC-E4N-3P
Propeller T.C.: P10NE

Blade Model(s): D9511FASK
Prop Diameter: 96"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -12.8 +-0.5
Low Pitch Angle: 21.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00160S	HC-E4N-3P/D9511FASK/D-630-3P	1	A/C	
BLADE	D9511FASK	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-630-3P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	7931-4E2595-12	PROP DE-ICER, THERMAL EFFICIENT	1	Blade	BLADE COMPONENT
DE-ICE KIT_PR	7931-5E2681-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

AEROCAR

Model: 1
Trade Name:
Aircraft T.C./STC: 4A16
Propeller Model: HA-12UF
Propeller T.C.:
Blade Model(s): L8032-4
Prop Diameter: 76" TO 74.5"

Prop Setup:

Ref. Radius: 27
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	L8032-4	IDS ITEM, BLADE, HARTZITE	2	Prop	

IDS No.: 2506 **Rev.:** **Date:** 11/20/2006

Modifier:
Engine: PT6A-66A
Power: 850 HP @ 2000 RPM
Placard/Restr: Avoid stabilized ground operation between 450 and 1050 RPM.

Notes:

Startlock Angle: N/A
Feather/High Angle: 86.1 +-0.5
Cwt Angle:

Non-HPI Governor:

IDS No.: 49 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: O-320, O-340-R1A(2420/154hp)
Power: 143 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Governor:

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AEROCAR

Model: 1
Trade Name:
Aircraft T.C./STC: 4A16
Propeller Model: HA-12UF
Propeller T.C.:
Blade Model(s): L8032-8
Prop Diameter: 72" TO 70.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	L8032-8	IDS ITEM, BLADE, HARTZITE	2	Prop	

IDS No.: 50 Rev.: Date: 10/2/1992

Modifier:
Engine: O-360-D2B
Power: 160 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Governor:

AEROCAR

Model: COOT
Trade Name: AMPHIBIAN
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YL-1BLF
Propeller T.C.:
Blade Model(s): FL7663-6R
Prop Diameter: 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FL7663-6R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F2-7A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

IDS No.: 51 Rev.: Date: 10/2/1992

Modifier:
Engine: O-320-A
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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AEROCAR

Model: COOT
Trade Name: AMPHIBIAN
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YF-1BLF
Propeller T.C.:
Blade Model(s): FL8459A-8Q
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FL8459A-8Q	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 52 Rev.: Date: 7/21/1999
Modifier:
Engine: 6A-350-C1
Power: 220 HP @ 2800 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.0 +-1.0
Cwt Angle:

Non-HPI Governor:

AEROCAR

Model: COOT
Trade Name: AMPHIBIAN
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YF-1BLF
Propeller T.C.:
Blade Model(s): FL8459A-10
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FL8459A-10	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 53 Rev.: Date: 8/18/1999
Modifier:
Engine: 6A-335-A
Power: 180 HP @ 2800 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 23.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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AEROCAR

Model: COOT
Trade Name: AMPHIBIAN
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YK-1BLF
Propeller T.C.: P-920

Blade Model(s): FL7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00211	HC-C2YK-1BLF/FL7666A-2	1	A/C	
BLADE	FL7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 54 Rev.: Date: 6/14/2007

Modifier:
Engine: O-360-()
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Governor:

AEROCAR

Model: COOT
Trade Name: AMPHIBIAN
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YF-1RLF
Propeller T.C.:

Blade Model(s): FL7663-10
Prop Diameter: 66"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FL7663-10	IDS ITEM, BLADE, [2,2,1]	3	Prop	
SPINNER	835-38	SPINNER ASSEMBLY	1	Prop	

IDS No.: 55 Rev.: Date: 10/2/1992

Modifier:
Engine: 6-335
Power: 180 HP @ 2800 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 +-2.0
Cwt Angle:

Non-HPI Governor: WOODWARD

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AEROFAB

Model: see LAKE

Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 56 Rev.: Date: 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

AEROMERE S.A.

Model: F.8.L

Trade Name: FALCO
Aircraft T.C./STC: 7A11
Propeller Model: HC-82XL-1, HC-A2XL-1, HC-82XL-1F
Propeller T.C.: P24EA
Blade Model(s): 7636-4
7636D-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2077 Rev.: Date: 1/12/2004

Modifier:
Engine: O-320-A1A
Power: 150 HP @ 2700 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 25.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	2	Prop	
BLADE	7636D-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6	IDS Item	1	Prop	Superseded by 835-30

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AEROMERE S.A.

Model: F.8.L
Trade Name: FALCO
Aircraft T.C./STC: 7A11
Propeller Model: HC-82VL-1, HC-A2VL-1, HC-82VL-1F
Propeller T.C.: P24EA
Blade Model(s): V7636D-4
V7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6	IDS Item	1	Prop	Superseded by 835-30

IDS No.: 2078 Rev.: Date: 1/12/2004

Modifier:
Engine: O-320-A1A
Power: 150 HP @ 2700 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 25.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

AEROMERE S.A.

Model: F.8.L
Trade Name: FALCO
Aircraft T.C./STC: 7A11
Propeller Model: HC-A2MVL-1
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6	IDS Item	1	Prop	Superseded by 835-30

IDS No.: 58 Rev.: Date: 1/12/2004

Modifier:
Engine: O-320-A1A
Power: 150 HP @ 2700 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 25.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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AEROMERE S.A.

Model: F.8.L
Trade Name: FALCO
Aircraft T.C./STC: 7A11
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F7663-4
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 59 **Rev.:** **Date:** 6/6/2006

Modifier:
Engine: O-320-A1A
Power: 150 HP @ 2700 RPM
Placard/Restr:

Notes: Propeller Model HC-C2YL-1 is listed on the aircraft type certificate

Startlock Angle: NA
Feather/High Angle: 30.0 +-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00039	HC-C2YL-1BF/F7663-4	1	A/C	
BLADE	F7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-20	IDS Item	1	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
SPINNER	A-3519	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

AERONCA

Model: see AMERICAN CHAMPION
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1493 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

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AERONCA

Model: 15AC
Trade Name: SEDAN
Aircraft T.C./STC: SA302NW
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A
Prop Diameter: 76 TO 72

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00680	HC-C2YR-1BF/F7666A	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	D1-6	GOVERNOR ASSEMBLY, D-1-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2627 **Rev.:** **Date:** 1/11/2006

Modifier: BURL'S AIRCRAFT

Engine: O-360-A1A

Power: 180 HP @ 2700 RPM

Placard/Restr: Avoid continuous operation between 2000 - 2250 RPM

Notes:

Startlock Angle:

Feather/High Angle: 29.0 +-1.0

Cwt Angle:

Non-HPI Governor:

AERONCA

Model: 15AC
Trade Name: SEDAN
Aircraft T.C./STC: SA02197AK
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

Blade Model(s): F8477-4
Prop Diameter: 80 TO 78

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 10.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00074	HC-C2YR-1BF/F8477-4/SM16/C1576	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

IDS No.: 2628 **Rev.:** **Date:** 1/11/2006

Modifier: BURL'S AIRCRAFT

Engine: O-360-A1A, A1D, A1F, A1F6, A1P

Power: 180 HP @ 2700 RPM

Placard/Restr:

Notes: Must use C-1576 damper assembly except with O-360-A1F6 engine

Startlock Angle: NA

Feather/High Angle: 30.9 +-1.0

Cwt Angle:

Non-HPI Governor:

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AERONCA AIRCRAFT CORP.

Model: 15AC
Trade Name:
Aircraft T.C./STC: A-802
Propeller Model: HA-12UF-3
Propeller T.C.:
Blade Model(s): 8032-6
Prop Diameter: 74.0" TO 72.0"

Prop Setup:

Ref. Radius: 0
Reverse Angle: NA
Low Pitch Angle: 2240 TO 2490 RPM

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8032-6	IDS Item	2	Prop	

IDS No.: 63 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: C-145-2 with "D" s/n suffix
Power: 145 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Governor:

AERONCA AIRCRAFT CORP.

Model: 15AC, S15AC
Trade Name:
Aircraft T.C./STC: STC-SA548CE
Propeller Model: HC-C2YF-1BF
Propeller T.C.: P-920
Blade Model(s): F7663
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 64 **Rev.:** **Date:** 9/21/2004

Modifier: JOHN R HARDY
Engine: IO-346-B
Power: 165 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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AERONCA AIRCRAFT CORP.

Model: O-58B
Trade Name:
Aircraft T.C./STC: A-751
Propeller Model: HA-12U
Propeller T.C.:
Blade Model(s): 7214M
7414
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius 0
Reverse Angle: NA
Low Pitch Angle: 2010 TO 2200 RPM

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7214M	IDS Item	2	Prop	
BLADE	7414	IDS Item	2	Prop	

IDS No.: 65 Rev.: Date: 10/2/1992

Modifier:
Engine: A-65-8
Power: 65 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Governor:

AERONCA AIRCRAFT CORP.

Model: 65-()
Trade Name:
Aircraft T.C./STC: A728
Propeller Model: HA-12U
Propeller T.C.:
Blade Model(s): 7214M
7414
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius 0
Reverse Angle: NA
Low Pitch Angle: PER RPM LIMITS

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7214M	IDS Item	2	Prop	
BLADE	7414	IDS Item	2	Prop	

IDS No.: 66 Rev.: Date: 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Governor:

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AERONORTEC

Model: see NORMAN AEROPLANE
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 67 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

AEROSPACE TECHNOLOGIES

Model: N22B, N24A, N22S, N22C
Trade Name: NOMAD
Aircraft T.C./STC: A7PC
Propeller Model: HC-A3VF-7, HC-A3VF-7B
Propeller T.C.: P6EA
Blade Model(s): V10133N-11
Prop Diameter: 90.63" TO 88.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -13.5 +-0.5
Low Pitch Angle: 6.0 +-0.5 F.I. (set on aircraft)

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2316 **Rev.:** **Date:** 11/24/2003

Modifier:
Engine: 250-B17B, -B17C,E,F (420hp)
Power: 400 HP @ 2030 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V10133N-11	BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-39	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-3	PCP:SLUG, COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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AEROSPACE TECHNOLOGIES

Model: N22B, N24A, N22S, N22C
Trade Name: NOMAD
Aircraft T.C./STC: A7PC
Propeller Model: HC-A3MVF-7B
Propeller T.C.: P6EA
Blade Model(s): MV10133N-11
Prop Diameter: 90.63" TO 88.0"

IDS No.: 521 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: 250-B17B, -B17C,E,F (420hp)
Power: 400 HP @ 2030 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -13.5 +-0.5
Low Pitch Angle: 6.0 +-0.5 F.I. (set on aircraft)

Startlock Angle: NA
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A3F10200	HC-A3MVF-7B/MV10133N-11	2	A/C	
BLADE	MV10133N-11	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-39	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-3	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

AEROSPATIALE

Model: GA7
Trade Name: COUGAR
Aircraft T.C./STC: A17SO
Propeller Model: HC-F2YL-2UF
Propeller T.C.: P27EA
Blade Model(s): FC7663D-3
Prop Diameter: 73" TO 72"

IDS No.: 571 **Rev.:** **Date:** 4/14/2004
Modifier:
Engine: O-320-D1D
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes: Formerly Grumman American

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.1

Startlock Angle: 17.0 +-1.5
Feather/High Angle: 81.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	F2L00100	HC-F2YL-2UF/FC7663D-3/SM4	2	A/C	
BLADE	FC7663D-3	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	D-4532-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-40	IDS Item	2	A/C	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

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AEROSPATIALE (MORANE SAULNIER)

Model: 235C, E
Trade Name: RALLYE 235C, E
Aircraft T.C./STC: 7A14
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8468A-4
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 69 **Rev.:** **Date:** 3/23/2001

Modifier:
Engine: O-540-B4B5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.3 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00100	HC-C2YK-1BF/F8468A-4	1	A/C	
BLADE	F8468A-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AEROSPATIALE (MORANE SAULNIER)

Model: MS893A, E , 180GT
Trade Name: RALLYE COMMODORE, 180GT
Aircraft T.C./STC: 7A14
Propeller Model: HC-C2YK-1B(F)
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 70 **Rev.:** **Date:** 7/19/2007

Modifier:
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00028	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AEROSPATIALE (MORANE SAULNIER)

Model: MS 894A, MS 894E
Trade Name: RALLYE MINERVA 220, MS 894E
Aircraft T.C./STC: 7A14
Propeller Model: HC-C2YF-1B(F)
Propeller T.C.: P-920
Blade Model(s): F8459-4
F8459A-4

Prop Diameter: 80.0" TO 76.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.2

IDS No.: 71 **Rev.:** **Date:** 10/9/2007
Modifier:
Engine: 6A-350-C1
Power: 220 HP @ 2800 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: SOCATA

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00318	HC-C2YF-1BF/F8459-4/SM14	1	A/C	
BLADE	F8459-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F8459A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-14	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

AEROSPATIALE (SOCATA)

Model: TB-9
Trade Name: TAMPICO
Aircraft T.C./STC: A51EU
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F7663A-4
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius 27
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.2

IDS No.: 72 **Rev.:** **Date:** 4/19/1993
Modifier:
Engine: O-320-D1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.1 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: SOCATA

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F4-18	IDS Item	1	A/C	
GOVERNOR	F4-27	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
GOVERNOR	F4-4A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
GOVERNOR	F4-4AZ	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

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AEROSPATIALE (SOCATA)

Model: TB-21
Trade Name: TRINIDAD TC
Aircraft T.C./STC: STC
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693F
 F7693FB
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1700 **Rev.:** **Date:** 8/17/2000

Modifier: HARTZELL PROPELLER

Engine: TIO-540-AB1AD

Power: 250 HP @ 2575 RPM

Placard/Restr:

Notes: Alcohol de-ice system; Check for balance weight/travel tube interference during assembly on props with alcohol de-ice.

Startlock Angle: NA

Feather/High Angle: 31.0 +-1.0

Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00045	HC-C3YR-1RF/F7693F/SM6	1	A/C	
PROPELLER	C3R00046	HC-C3YR-1RF/F7693FB/SM6	1	A/C	
BLADE	F7693F	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F7693FB	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-14	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-3	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-3P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-7	BOOT, ANTI-ICING	1	Blade	Blade Component
DE-ICE KIT_PR	C-4686	ANTI-ICING - KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AEROSPATIALE (SOCATA)

Model: TB-21
Trade Name: TRINIDAD TC
Aircraft T.C./STC: A51EU
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
 F8477K-4
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

Non-HPI Items:

Non-HPI Spinner: SOCATA

IDS No.: 1350 **Rev.:** **Date:** 4/3/2003

Modifier:

Engine: TIO-540-AB1AD

Power: 250 HP @ 2575 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 31.0 +-0.5

Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F8477K-4	IDS ITEM, BLADE, 4E2292-3 BOOT	2	Prop	
SPIN MTG KIT	A-2476-27	SPINNER - MTG KIT	1	Prop	
DE-ICER	7931-4E2292-3	IDS Item	1	Blade	Blade Component
DE-ICE KIT_PR	7931-67-410-1	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AEROSPATIALE (SOCATA)

Model: TB-30
Trade Name: EPSILON
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YR-4CF
Propeller T.C.: P-920
Blade Model(s): FC8475-6*3
Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner: SOCATA

IDS No.: 77 **Rev.:** 1 **Date:** 9/9/2011

Modifier:
Engine: AEIO-540-L1B5D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Reference Manual 115N for Airworthiness Limitations.

Startlock Angle: NA
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R00235	HC-C2YR-4CF/FC8475-6[*3]/SM8	1	A/C	
BLADE	FC8475-6*3	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
GOVERNOR	V4-3	GOVERNOR ASSEMBLY, V-4-()	1	A/C	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AEROSPATIALE (SOCATA)

Model: TB-10
Trade Name: TOBAGO
Aircraft T.C./STC: A51EU
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74.0" TO 72.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner: SOCATA

IDS No.: 73 **Rev.:** **Date:** 6/10/2009

Modifier:
Engine: O-360-A1AD
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:
Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00050	HC-C2YK-1BF/F7666A-2/SM27	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F4-26	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-27	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AEROSPATIALE (SOCATA)

Model: TB-20
Trade Name: TRINIDAD
Aircraft T.C./STC: A51EU
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
F8477K-4
Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +/-0.2

Non-HPI Items:

Non-HPI Spinner: SOCATA

IDS No.: 74 **Rev.:** **Date:** 3/26/2003
Modifier:
Engine: IO-540-C4D5D
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +/-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00170	HC-C2YK-1BF/F8477-4/SM27	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F8477K-4	IDS ITEM, BLADE, 4E2292-3 BOOT	2	Prop	
SPIN MTG KIT	A-2476-27	SPINNER - MTG KIT	1	Prop	
DE-ICER	7931-4E2292-3	IDS Item	1	Blade	Blade Component
DE-ICE KIT_PR	7931-67-410-1	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AEROSPATIALE (SOCATA)

Model: TB-20
Trade Name: TRINIDAD
Aircraft T.C./STC: STC SA01192CH
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693F*2
 F7693FB*1
Prop Diameter: 78-76

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 1699 **Rev.:** 1 **Date:** 8/16/2013
Modifier: HARTZELL PROPELLER
Engine: IO-540-C4D5D
Power: 250 HP @ 2575 RPM
Placard/Restr: None
Notes: Alcohol de-ice system; Check for balance weight/travel tube interference during assembly on props with alcohol de-ice.

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00043	HC-C3YR-1RF/F7693F[*2]/SM6	1	A/C	
PROPELLER	C3R00043KD	HC-C3YR-1RF/F7693F[*2]/SM6	1	A/C	
PROPELLER	C3R00043SKDTP	C3R00043/SM6/A-2295-3P	1	A/C	
PROPELLER	C3R00043STP	C3R00043/SM6/A-2295-3P	1	A/C	
PROPELLER	C3R00044	HC-C3YR-1RF/F7693FB[*1]/SM6	1	A/C	
PROPELLER	C3R00044KD	HC-C3YR-1RF/F7693FB[*1]/SM6	1	A/C	
PROPELLER	C3R00044SKDTP	C3R00044/SM6/A-2295-3P/C-4686	1	A/C	
PROPELLER	C3R00044STP	C3R00044/SM6/A-2295-3P/C-4686	1	A/C	
BLADE	F7693F*2	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
BLADE	F7693FB*1	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
SPINNER	A-2295-14	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-3	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-3P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-7	BOOT, ANTI-ICING	1	Blade	Blade Component
DE-ICE KIT_PR	C-4686	ANTI-ICING - KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AEROSPATIALE (SOCATA)

Model: TB-200
Trade Name: TOBAGO XL
Aircraft T.C./STC: A51EU
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F7666A-2
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

IDS No.: 75 **Rev.:** **Date:** 8/30/2004
Modifier:
Engine: IO-360-A1B6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: SOCATA

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00027	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AEROSPATIALE (SOCATA)

Model: TBM 700, TBM 850

Trade Name:

Aircraft T.C./STC: A60EU

Propeller Model: HC-E4N-3

Propeller T.C.: P10NE

IDS No.: 79

Rev.: 1

Date: 8/3/2011

Modifier:

Engine: PT6A-64, PT6A-66D

Power: 700 HP @ 2000 RPM

Placard/Restr: Minimum gross weight for aircraft is 3970 lbs. and maximum of 6581. Stabilized ground operation between 450 and 1000 RPM is prohibited. Stabilized ground operation below 450 RPM is permissible in feather.

Notes: Engine PT6A-66D: 850 HP / 2000 RPM

Blade Model(s): E9083SK

Prop Diameter: 91.0" TO 90.0"

Prop Setup:

Ref. Radius: 30

Reverse Angle: -11.0 +0.5

Low Pitch Angle: 21.0 +0.1

Startlock Angle: NA

Feather/High Angle: 86.0 +0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00020	HC-E4N-3/E9083SK	1	A/C	
PROPELLER	E4N00020KD	HC-E4N-3/E9083SK	1	A/C	
PROPELLER	E4N00020S	HC-E4N-3/E9083SK/D-630-1P	1	A/C	
PROPELLER	E4N00020SKD	HC-E4N-3/E9083SK/D-630-1P	1	A/C	
PROPELLER	E4N00021	HC-E4N-3/E9083SK/BULK/DEICE	1	A/C	
BLADE	E9083SK	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-630-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-2	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	102643	DE-ICE BOOT	1	Blade	Supersedes 4H2271-10
DE-ICE KIT_PR	7931-67-600-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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AEROSTAR AIRCRAFT

Model: PA-60-600, 601, 601P, 602P (LEFT SIDE)
Trade Name: AEROSTAR
Aircraft T.C./STC: STC-SA1658NM
Propeller Model: HC-C4YR-2
Propeller T.C.: P52GL
Blade Model(s): FC6660
 FC6660K

IDS No.: 2517 **Rev.:** 1 **Date:** 9/9/2011
Modifier: MACHEN INC.
Engine: TIO-540-J2BD-MA
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes: Reference Manual 115N for Airworthiness Limitations.

Prop Diameter: 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 80.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC6660	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	FC6660K	BLADE UNIT, ALUMINUM,4E2271-10	4	Prop	
SPINNER	D-4511	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4511-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-24	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
SPIN MTG KIT	A-2476-20	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AEROSTAR AIRCRAFT

Model: PA-60-601
Trade Name: AEROSTAR
Aircraft T.C./STC: SA1658NM
Propeller Model: HC-C3YR-2LUF
Propeller T.C.: P25EA
Blade Model(s): FJC8468DB-14*1
Prop Diameter: 72"

IDS No.: 2518 **Rev.:** **Date:** 9/26/2006
Modifier: MACHEN INC.
Engine: LTIO-540-U2A
Power: 350 HP @ 2500 RPM
Placard/Restr:
Notes: Special Instructions: Install (1 ea.) B-3852-6-0 Tie Strap per blade IAW BFG 92-018. Boots and Tie Straps only installed.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 18.0 +-0.1

Startlock Angle: 23.5 +-1.5
Feather/High Angle: 77.9 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00204	HC-C3YR-2LUF/FJC8468DB-14[*1]	2	A/C	
BLADE	FJC8468DB-14*1	PCP:BLADE UNIT, B-3202H-2	3	Prop	
SPINNER	C-3258-L	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3258-LP	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H1601-4	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-4
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AEROSTAR AIRCRAFT CORP.

Model: 360
Trade Name: AEROSTAR
Aircraft T.C./STC: A11WE
Propeller Model: HC-92WK-2B
Propeller T.C.:
Blade Model(s): W8447-12R
Prop Diameter: 71.6" TO 71"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 999 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: IO-360-E1A
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 84.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	W8447-12R	BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

AEROSTAR AIRCRAFT CORP.

Model: 400
Trade Name: AEROSTAR
Aircraft T.C./STC: A11WE
Propeller Model: HC-C3YR-2
Propeller T.C.: P25EA
Blade Model(s): FC7663-6
Prop Diameter: 72" TO 71"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1000 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: IO-360-D1A
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 16.0 +-1.5
Feather/High Angle: 79.0 +-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC7663-6	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3258	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AEROSTAR AIRCRAFT CORP.

Model: PA-60-600, 601, 601P
Trade Name: AEROSTAR
Aircraft T.C./STC: A17WE
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468-8R
 FC8468B-8R*2
Prop Diameter: 78" NO CUT OFF

IDS No.: 875 **Rev.:** **Date:** 11/20/2006
Modifier:
Engine: IO-540-K1F5,-G1B5,-S1A5,-K1J5,-P1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes: Gov

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Startlock Angle: 19.5 +-1.5
Feather/High Angle: 82.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00219	HC-C3YR-2UF/FC8468-8R	2	A/C	
PROPELLER	C3R00219KD	HC-C3YR-2UF/FC8468-8R	2	A/C	
BLADE	FC8468-8R	PCP:BLADE UNIT, ALUM B-3202H-2	3	Prop	
BLADE	FC8468B-8R*2	PCP:BLADE UNIT, B-3202H-2 CWT	3	Prop	
SPINNER	C-3258-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-35	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
GOVERNOR	F6-36	IDS Item	1	Prop	
GOVERNOR	F6-5A	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
GOVERNOR	F8-35	GOVERNOR ASSEMBLY, F-8-()	1	Prop	
GOVERNOR	F8-45	GOVERNOR ASSEMBLY, F-8-()	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H1188-4	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-4
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AEROSTAR AIRCRAFT CORP.

Model: PA-60-600, 601, 601P
Trade Name: AEROSTAR
Aircraft T.C./STC: STC-SA4307NM
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468D-14
 FC8468DB-14*1
Prop Diameter: 72"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.1 +-0.1

IDS No.: 884 **Rev.:** **Date:** 9/26/2006
Modifier: MACHEN INC.
Engine: IO-540-K1F5, -K1J5, S1A5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Special instructions: "Install (1 ea)B-3852-6-0 Tie Strap per blade IAW BFG 92-018. Boots & Tie Straps only installed."

Startlock Angle: 19.6 +-1.5
Feather/High Angle: 77.9 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00225	HC-C3YR-2UF/FC8468DB-14[*1]	2	A/C	
BLADE	FC8468D-14	PCP:BLADE UNIT, B-3202H-2 CWT	3	Prop	
BLADE	FC8468DB-14*1	PCP:BLADE UNIT, B-3202H-2	3	Prop	
SPINNER	C-3258-P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-4	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-4
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AEROSTAR AIRCRAFT CORP.

Model: PA-60-600, 601, 601P, 602P
Trade Name: AEROSTAR
Aircraft T.C./STC: STC-SA1658NM
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468D-14
 FC8468DB-14*1
Prop Diameter: 72"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 18.0 +-0.1

IDS No.: 883 **Rev.:** **Date:** 10/27/2008
Modifier: MACHEN INC.
Engine: IO-540-S1A5-MM, -AA1A5-MM
Power: 350 HP @ 2500 RPM
Placard/Restr:
Notes: Special Instructions: Install (1 ea.) B-3852-6-0 Tie Strap per blade IAW BFG 92-018. Boots & Tie Straps only installed.

Startlock Angle: 23.5 +-1.5
Feather/High Angle: 77.9 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00217	HC-C3YR-2UF/FC8468DB-14[*1]	2	A/C	
PROPELLER	C3R00217KD	HC-C3YR-2UF/FC8468DB-14[*1]	2	A/C	
BLADE	FC8468D-14	PCP:BLADE UNIT, B-3202H-2 CWT	3	Prop	
BLADE	FC8468DB-14*1	PCP:BLADE UNIT, B-3202H-2	3	Prop	
SPINNER	C-3258	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3258-P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-4	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-4
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AEROSTAR AIRCRAFT CORP.

Model: PA-60-600, 601, 601P, 602P
Trade Name: AEROSTAR
Aircraft T.C./STC: STC-SA4156NM
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC6660D
 FC6660DB

Prop Diameter: 68.25" TO 67"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 19.5 +-0.2

IDS No.: 887 **Rev.:** **Date:** 10/2/1992
Modifier: MERLYN PRODUCTS
Engine: IO-540-S1A5, -AA1A5
Power: 350 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: 25.0 +-1.5
Feather/High Angle: 75.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC6660D	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC6660DB	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3258-P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AEROSTAR AIRCRAFT CORP.

Model: PA-60-600, -601P, -602P
Trade Name: AEROSTAR
Aircraft T.C./STC: SA 4156NM
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468B-8R*2
Prop Diameter: 78" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

IDS No.: 1870 **Rev.:** **Date:** 9/26/2006
Modifier: MERLYN PRODUCTS
Engine: IO-540-K1F5,-G1B5,-S1A5,-K1J5,-P1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes: Includes Intercooler/Turbocharger package

Startlock Angle: 19.5 +-1.5
Feather/High Angle: 82.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00221	HC-C3YR-2UF/FC8468B-8R[*2]	2	A/C	
BLADE	FC8468B-8R*2	PCP:BLADE UNIT, B-3202H-2 CWT	3	Prop	
SPINNER	C-3258-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-35	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
GOVERNOR	F6-36	IDS Item	1	Prop	
GOVERNOR	F6-5A	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
GOVERNOR	F8-35	GOVERNOR ASSEMBLY, F-8-()	1	Prop	
GOVERNOR	F8-45	GOVERNOR ASSEMBLY, F-8-()	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H1188-4	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-4
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AEROSTAR AIRCRAFT CORP.

Model: PA-60-600, 601, 601P, 602P
Trade Name: AEROSTAR
Aircraft T.C./STC: STC-SA4156NM
Propeller Model: HC-C3YR-2UF, -2LUF
Propeller T.C.: P25EA
Blade Model(s): FC6660D
 FC6660DB
 FJC6660D
 FJC6660DB

Prop Diameter: 68.25" TO 67"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 19.5 +-0.2

IDS No.: 886 **Rev.:** **Date:** 9/26/2006
Modifier: MERLYN PRODUCTS
Engine: TIO-540-J2BD, LTIO-540-J2BD
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 25.0 +-1.5
Feather/High Angle: 75.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC6660D	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC6660DB	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FJC6660D	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FJC6660DB	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3258-P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-4	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-4
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AEROSTAR AIRCRAFT CORP.

Model: PA-60-600, 601, 601P, 602P
Trade Name: AEROSTAR
Aircraft T.C./STC: STC-SA980NW
Propeller Model: HC-C3YR-2UF, -2LUF
Propeller T.C.: P25EA
Blade Model(s): FC8468D-14
 FJC8468D-14*1

Prop Diameter: 72" TO 71"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.1 +-0.1

IDS No.: 880 **Rev.:** **Date:** 6/21/2004
Modifier: MACHEN INC.
Engine: TIO-540-J2BD, LTIO-540-J2BD
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 21.6 +-1.5
Feather/High Angle: 77.9 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8468D-14	PCP:BLADE UNIT, B-3202H-2 CWT	3	Prop	
BLADE	FJC8468D-14*1	PCP:BLADE UNIT, B-3202H-2	3	Prop	
SPINNER	C-3258-LP	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3258-P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AEROSTAR AIRCRAFT CORP.

Model: PA-60-600, 601, 601P, 602P (RIGHT SIDE)

Trade Name: AEROSTAR

Aircraft T.C./STC: STC-SA1658NM

Propeller Model: HC-C4YR-2L

Propeller T.C.: P52GL

Blade Model(s): FJC6660
FJC6660K

Prop Diameter: 70"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 13.0 +-0.1

IDS No.: 885

Rev.: 1

Date: 9/9/2011

Modifier: MACHEN INC.

Engine: LTIO-540-J2BD-MA

Power: 350 HP @ 2575 RPM

Placard/Restr:

Notes: Reference Manual 115N for Airworthiness Limitations.

Startlock Angle: 18.5 +-1.5

Feather/High Angle: 80.0 +-0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FJC6660	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	FJC6660K	PCP:BLADE UNIT, ALUM 4H2200-10	4	Prop	
SPINNER	D-4511-L	SPINNER ASSEMBLY	1	A/C	
SPINNER	D-4511-LP	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F8-48	GOVERNOR ASSEMBLY, F-8-()	1	Prop	Right side
SPIN MTG KIT	A-2476-20	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AEROSTAR AIRCRAFT CORP.

Model: PA-60-601P

Trade Name: AEROSTAR

Aircraft T.C./STC: STC-SA980NW

Propeller Model: HC-C3YR-2UF, -2LUF

Propeller T.C.: P25EA

Blade Model(s): FC8468-10Q
FJC8468-10Q

Prop Diameter: 76"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 14.0 +-0.1

IDS No.: 882

Rev.:

Date: 5/27/2004

Modifier: MACHEN INC.

Engine: TIO-540-R2AD, LTIO-540-R2AD

Power: 350 HP @ 2575 RPM

Placard/Restr:

Notes: Right 4E1601-3@4.00

Startlock Angle: 19.5 +-1.5

Feather/High Angle: 82.5 +-0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8468-10Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FJC8468-10Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3258-LP	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3258-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-24	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
GOVERNOR	F8-48L	GOVERNOR ASSEMBLY, F-8-()	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AEROSTAR AIRCRAFT CORP.

Model: PA-60-602P
Trade Name: AEROSTAR
Aircraft T.C./STC: A17WE
Propeller Model: HC-C3YK-2UF
Propeller T.C.:
Blade Model(s): FC8468-8R
 FC8468B-8R*2

Prop Diameter: 78" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.9 +-0.1

IDS No.: 876 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: IO-540-AA1A5
Power: 290 HP @ 2425 RPM
Placard/Restr:
Notes: Gov

Startlock Angle: 21.4 +-1.5
Feather/High Angle: 82.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8468-8R	PCP:BLADE UNIT, ALUM B-3202H-2	3	Prop	
BLADE	FC8468B-8R*2	PCP:BLADE UNIT, B-3202H-2 CWT	3	Prop	
SPINNER	C-3258-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-60Z	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
GOVERNOR	F8-60Z	GOVERNOR ASSEMBLY, F-8-()	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AEROSTAR AIRCRAFT CORP.

Model: PA-60-602P
Trade Name: AEROSTAR
Aircraft T.C./STC: STC-SA3589NM
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468D-14
 FC8468DB-14*1

Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.7 +-0.1

IDS No.: 879 **Rev.:** **Date:** 9/26/2006
Modifier: MACHEN INC.
Engine: TIO-540-AA1A5
Power: 305 HP @ 2425 RPM
Placard/Restr:
Notes: Boots/Straps only per C-2359

Startlock Angle: 22.2 +-1.5
Feather/High Angle: 77.9 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8468D-14	PCP:BLADE UNIT, B-3202H-2 CWT	3	Prop	
BLADE	FC8468DB-14*1	PCP:BLADE UNIT, B-3202H-2	3	Prop	
SPINNER	C-3258-P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-4	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-4
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AEROSTAR AIRCRAFT CORP.

Model: PA-60-700P (left side)
Trade Name: AEROSTAR
Aircraft T.C./STC: A17WE
Propeller Model: HC-C3YR-2LUF
Propeller T.C.: P25EA
Blade Model(s): FJC7451
FJC7451B

Prop Diameter: 76" TO 75"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.9 +-0.2

IDS No.: 877 **Rev.:** **Date:** 5/21/2007

Modifier:
Engine: LTIO-540-U2A
Power: 350 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: 21.4 +-1.5
Feather/High Angle: 80.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00198	HC-C3YR-2LUF/FJC7451	1	A/C	
PROPELLER	C3R00201	HC-C3YR-2LUF/FJC7451B	1	A/C	
BLADE	FJC7451	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FJC7451B	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-4816-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-63L	IDS Item	1	Prop	
GOVERNOR	F6-63LZ	IDS Item	1	Prop	
COUNTERWEIGHT	B-3202H-7L	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICE KIT_PR	7931-67-390	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AEROSTAR AIRCRAFT CORP.

Model: PA-60-700P (right side)
Trade Name: AEROSTAR
Aircraft T.C./STC: A17WE
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7451
 FC7451B

Prop Diameter: 76" TO 75"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 15.9 +-0.2

IDS No.: 878 **Rev.:** **Date:** 5/21/2007
Modifier:
Engine: TIO-540-U2A
Power: 350 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: 21.4 +-1.5
Feather/High Angle: 80.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00192	HC-C3YR-2UF/FC7451B	1	A/C	
PROPELLER	C3R00199	HC-C3YR-2UF/FC7451	1	A/C	
BLADE	FC7451	PCP:BLADE UNIT, ALUM B-3202H-7	3	Prop	
BLADE	FC7451B	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-4816-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-63	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
GOVERNOR	F6-63Z	IDS Item	1	Prop	
COUNTERWEIGHT	B-3202H-7	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICE KIT_PR	7931-67-390	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AEROTEC

Model: see AVIAT
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

IDS No.: 81 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

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AEROTEK II, INC. (CALLAIR)

Model: B1A
Trade Name: CALLAIR
Aircraft T.C./STC: A7WE, A8WE
Propeller Model: HC-B3R30-4, -4B
Propeller T.C.: P28EA
Blade Model(s): R10152-5.5R
R10152N-5.5R
Prop Diameter: 95.5" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1589 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: R985-AN-1, AN-3, AN-14B, 1B5
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	R10152-5.5R	IDS ITEM, BLADE	3	Prop	REPLACED BY R10152N-5.5R
BLADE	R10152N-5.5R	IDS ITEM, BLADE	3	Prop	
SPINNER	836-32R	IDS Item	1	Prop	
COUNTERWEIGHT	B-3309-4B	IDS Item	1	Blade	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

AGUSTA

Model: see SIAI MARCHETTI
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 103 **Rev.:** **Date:** 2/2/1998

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

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AIR & SPACE

Model: 18, 18A
Trade Name:
Aircraft T.C./STC: 1H17
Propeller Model: HC-92ZK-8L
Propeller T.C.: P892
Blade Model(s): L8447A-8
L8447AN-8
Prop Diameter: 76"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 82 **Rev.:** **Date:** 9/10/2004

Modifier:
Engine: O-360-A1D
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	L8447A-8	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	L8447AN-8	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-6P	IDS Item	1	Prop	
GOVERNOR	F2-2A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
MTG BOLT/STUD	A-1333	BOLT, MOUNTING, 1/2-20, HEX HEAD	4	Prop	
MTG BOLT/STUD	A-1333-2	IDS Item	2	Prop	

AIR & SPACE

Model: 18A
Trade Name:
Aircraft T.C./STC: 1H17
Propeller Model: HC-C2YK-1BLF
Propeller T.C.: P-920
Blade Model(s): FL7666AS
Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 9.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 84 **Rev.:** **Date:** 10/4/2002

Modifier:
Engine: O-360-A1D
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 +-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00240	HC-C2YK-1BLF/FL7666AS	1	A/C	
BLADE	FL7666AS	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AIR & SPACE

Model: 18, 18A
Trade Name:
Aircraft T.C./STC: STC-SH156GL
Propeller Model: HC-C3YR-1RLF
Propeller T.C.: P25EA

Blade Model(s): FL7663-4R
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: UNKNOWN

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FL7663-4R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 83 **Rev.:** **Date:** 3/21/2007
Modifier: FARRINGTON A/C CORP
Engine: O-360-A1D
Power: 180 HP @ 2700 RPM
Placard/Restr: Do not exceed 24 inches manifold pressure below 2350 RPM.
Notes: "K" Flange approved.

Startlock Angle: NA
Feather/High Angle: UNKNOWN
Cwt Angle:

Non-HPI Governor:

AIR LLC

Model: EPIC
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-E4A-3D
Propeller T.C.: P10NE

Blade Model(s): E10477SK
Prop Diameter: 105

Prop Setup:

Ref. Radius: 42
Reverse Angle: -17.5 +-0.5
Low Pitch Angle: 19.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E4A00114S	HC-E4A-3D/E10477SK/D-5500-1P	1	A/C	
BLADE	E10477SK	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-5500-1F	SPINNER ASSEMBLY	1	A/C	
SPINNER	D-5500-1P	SPINNER ASSEMBLY	1	A/C	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	D-6021-1	PCP:COUNTERWEIGHT	1	Blade	Use only with 4H3051-10 Boot
COUNTERWEIGHT	D-6021-3	PCP:COUNTERWEIGHT	1	Blade	Superseeds D-6021-1
DE-ICER	102855	DE-ICE BOOT	1	Blade	Superseeds 4E, 4H3051-10
DE-ICER	4H3051-10	DE-ICE BOOT	1	Blade	Supersedes 4E3051-10
DE-ICE KIT_PR	103253	DE-ICE KIT (ONE PROP)	1	Prop	Superseeds 7931-67-925-1
DE-ICE KIT_PR	7931-67-925-1	DE-ICE KIT (ONE PROP)	1	A/C	Used with 4H3051-10 boot only
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	
MISC ACCES	A-3074	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

IDS No.: 2526 **Rev.:** **Date:** 9/29/2009
Modifier:
Engine: PT6A-67A
Power: 1200 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation is prohibited between 350 and 950 RPM. Deice Kit for flight test ONLY, NOT CERTIFIED.

Notes:
Startlock Angle: NA
Feather/High Angle: 79.6 +-0.5
Cwt Angle:

Non-HPI Governor:

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AIR TRACTOR

Model: AT-301, AT-302
Trade Name:
Aircraft T.C./STC: SA7610SW
Propeller Model: HC-B3TN-5M
Propeller T.C.: P15EA
Blade Model(s): T10282N+4
Prop Diameter: 106.5" TO 102.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -6.5 +/- 0.5
Low Pitch Angle: N/A

IDS No.: 3027 **Rev.:** 1 **Date:** 6/4/2013
Modifier: Bailey Flying Service
Engine: TPE331-6
Power: 700 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.0+/-0.1
Feather/High Angle: 87.0 +/-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10911S	HC-B3TN-5M/T10282N+4/D-3434-1P	1	A/C	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	D-3434-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-8H	BOLT, 1/4-28, HEX HEAD	9	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	9	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	9	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-802
Trade Name:
Aircraft T.C./STC: SA01852SE
Propeller Model: HC-B5MA-5H
Propeller T.C.: P44GL
Blade Model(s): M11693NS
Prop Diameter: 118.7"

Prop Setup:

Ref. Radius 42
Reverse Angle: -11.5 +/-0.5
Low Pitch Angle: N/A

IDS No.: 2952 **Rev.:** 1 **Date:** 1/10/2011
Modifier: Flight Doctor West LLC
Engine: TPE331-14GR
Power: 1650 HP @ 1552 RPM
Placard/Restr:
Notes:

Startlock Angle: -1.8 +/-0.1
Feather/High Angle: 80.0 +/-0.5
Cwt Angle: 2.5 +/-1.5

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5A10225S	HC-B5MA-5H/M11693NS/E-5760-P	1	A/C	
PROPELLER	B5A10225SKD	HC-B5MA-5H/M11693NS/E-5760-P	1	A/C	
BLADE	M11693NS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	E-5760	SPINNER ASSEMBLY	1	Prop	
SPINNER	E-5760-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-12H	BOLT, 1/4-28, HEX HEAD	5	Prop	
SPIN MTG KIT	B-3384-17H	BOLT, 1/4-28, HEX HEAD	5	Prop	
SPIN MTG KIT	B-3808-4	NUT, HEX, SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	B-7222	PCP:SLUG, COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	B-3347	BOLT, MOUNTING, 9/16-18, 12 POINT	12	Prop	

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AIR TRACTOR

Model: AT-301, AT-302, AT-401
Trade Name: AIR TRACTOR
Aircraft T.C./STC: STC-SA8118SW
Propeller Model: HC-B3TN-5C, -5M
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
Prop Diameter: 106.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -3.0 +-0.5
Low Pitch Angle:

IDS No.: 96 **Rev.:** 2 **Date:** 6/4/2013
Modifier: FARM & RANCH
Engine: TPE331-1-101Z
Power: 600 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.5 +-0.1
Feather/High Angle: 89.0 +-0.5
Cwt Angle: 4.0 +-2.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3043-3P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

AIR TRACTOR

Model: AT-302
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A9SW
Propeller Model: HC-B3TN-3G
Propeller T.C.: P15EA
Blade Model(s): T10282+6
 T10282N+6
Prop Diameter: 108.25" TO 106.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -7.8 +-0.5
Low Pitch Angle: 18.0 +-0.2

IDS No.: 86 **Rev.:** **Date:** 1/9/2004
Modifier:
Engine: LTP-101-600A-1A
Power: 599 HP @ 1950 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.6 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10282+6	BLADE	3	Prop	
BLADE	T10282N+6	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23H	BOLT, 1/4-28, HEX HEAD	1	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-400
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A9SW
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
 T10282NS+4
 T10282S+4
Prop Diameter: 106.5" TO 102.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -7.8 +-0.5
Low Pitch Angle: 18.0 +-0.1

IDS No.: 88 **Rev.:** 2 **Date:** 6/4/2013

Modifier:
Engine: PT6A-15AG, -27, -34, -34AG
Power: 680 HP @ 2200 RPM
Placard/Restr:

Notes: At the low pitch setting, check blade to blade angles at the 30, 42 and 48 inch radial locations. No blade may be consistently high or low at all three stations.

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10282NS+4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282S+4	IDS*ITEM, BLADE	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-400A
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A9SW
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
 T10282NS+4
 T10282S+4
Prop Diameter: 106.5" TO 102.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -7.8 +-0.5
Low Pitch Angle: 18.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 89 **Rev.:** 2 **Date:** 6/4/2013

Modifier:
Engine: PT6A-15AG,20(A,B),-21,-27,-34(AG)
Power: 550 HP @ 2200 RPM
Placard/Restr:

Notes: At the low pitch setting, check blade to blade angles at the 30, 42 and 48 inch radial locations. No blade may be consistently high or low at all three stations.

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10282NS+4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282S+4	IDS*ITEM, BLADE	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-300, AT-400 SERIES (see note)

Trade Name:

Aircraft T.C./STC: STC SA00888SE

Propeller Model: HC-B3TW-3

Propeller T.C.: P15EA

Blade Model(s): T10282N+4
T10282NS+4

Prop Diameter:

Prop Setup:

Ref. Radius 30

Reverse Angle: -8.0 +-0.5

Low Pitch Angle: 18.0 +-0.1

IDS No.: 1770

Rev.: 3

Date: 6/4/2013

Modifier: CASCADE FLYING SERVICES

Engine: M601E-11

Power: 777 HP @ 2080 RPM

Placard/Restr:

Notes: STC applies to aircraft models AT-(300, 301, 302), AT-400(A), AT-401(A,B) and AT-402(A,B)

Startlock Angle: NA

Feather/High Angle: 87.0 +-1.0

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3W10002	HC-B3TW-3/T10282NS+4	1	A/C	
PROPELLER	B3W10002S	HC-B3TW-3/T10282NS+4/D-3434-6P	1	A/C	
PROPELLER	B3W10005	HC-B3TW-3/T10282N+4	1	A/C	
PROPELLER	B3W10005S	HC-B3TW-3/T10282N+4/D-3434-6P	1	A/C	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10282NS+4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-3434-6	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-6P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	A-3254	STUD, MOUNTING, 9/16-18	8	Prop	
MTG BOLT/STUD	B-7458	NUT,9/16-18,HEX,SELF-LOCKING	8	Prop	

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AIR TRACTOR

Model: AT-402
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A17SW
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
 T10282NS+4
 T10282S+4
Prop Diameter: 106.5" TO 102.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

IDS No.: 90 **Rev.:** 2 **Date:** 6/4/2013

Modifier:
Engine: PT6A-15AG,-34(AG),-27
Power: 680 HP @ 2200 RPM
Placard/Restr:
Notes: At the low pitch setting, check blade to blade angles at the 30, 42 and 48 inch radial locations. No blade may be consistently high or low at all three stations.

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10282NS+4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282S+4	IDS*ITEM, BLADE	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-402A
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A17SW
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
 T10282NS+4
 T10282S+4
Prop Diameter: 106.5" TO 102.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

IDS No.: 1078 **Rev.:** 2 **Date:** 6/4/2013

Modifier:
Engine: PT6A-11, -11AG, -20, -20A, -20B, -21
Power: 550 HP @ 2200 RPM
Placard/Restr:

Notes: At the low pitch setting, check blade to blade angles at the 30, 42 and 48 inch radial locations. No blade may be consistently high or low at all three stations.

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10282NS+4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282S+4	IDS*ITEM, BLADE	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-402B
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A17SW
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
 T10282NS+4
 T10282S+4
Prop Diameter: 106.5" TO 102.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1068 **Rev.:** 3 **Date:** 6/4/2013

Modifier:
Engine: PT6A-15AG, -27, -34(AG)
Power: 680 HP @ 2200 RPM
Placard/Restr:
Notes: See 8110-3 form dated 13-Oct-95 At the low pitch setting, check blade to blade angles at the 30, 42 and 48 inch radial locations. No blade may be consistently high or low at all three stations.

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10452	HC-B3TN-3D/T10282N+4	1	A/C	
PROPELLER	B3N10461KD	HC-B3TN-3D/T10282NS+4	1	A/C	
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10282NS+4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282S+4	IDS*ITEM, BLADE	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-501, AT-502
Trade Name: AIR TRACTOR
Aircraft T.C./STC: SA09189AC
Propeller Model: HC-B3TW-3
Propeller T.C.: P15EA

IDS No.: 1863 **Rev.:** 3 **Date:** 6/4/2013
Modifier: TURBINE CONVERSIONS, LTD
Engine: M601E-11
Power: 751 HP @ 2080 RPM
Placard/Restr: Propeller blades must be shot peened between stations 7.0 AND 24.0 on both face and camber sides

Blade Model(s): T10282NS+4
Prop Diameter:

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: JILHOSTROJ

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3W10001	HC-B3TW-3/T10282NS+4	1	A/C	
BLADE	T10282NS+4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-3434-6	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-6P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	A-3254	STUD, MOUNTING, 9/16-18	8	Prop	
MTG BOLT/STUD	B-7458	NUT,9/16-18,HEX,SELF-LOCKING	8	Prop	

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AIR TRACTOR

Model: AT-502
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A17SW
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
 T10282NS+4
 T10282S+4

Prop Diameter: 106.5" TO 102"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

IDS No.: 92 **Rev.:** 2 **Date:** 6/4/2013

Modifier:
Engine: PT6A-34,-34AG, -34B, -36, 15AG, -27
Power: 750 HP @ 2200 RPM

Placard/Restr:

Notes: At the low pitch setting, check blade to blade angles at the 30, 42 and 48 inch radial locations. No blade may be consistently high or low at all three stations.

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10282NS+4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282S+4	IDS*ITEM, BLADE	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-502A
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A17SW
Propeller Model: HC-B5MP-3C
Propeller T.C.: P44GL
Blade Model(s): M10876ANS
 M10876AS
Prop Diameter: 111.2" TO 110.7"

IDS No.: 1059 **Rev.:** 2 **Date:** 1/10/2011

Modifier:
Engine: PT6A-45R, 45A, -45B
Power: 1100 HP @ 1700 RPM
Placard/Restr: Min A/C gross weight = 4940 lbs
Notes: At the low pitch setting, check blade to blade angles at the 36, 42, 48 and 54 inch radial locations. No blade may be consistently high or low at all four stations and all blades must be within 0.2 deg of one another.

Prop Setup:

Ref. Radius 42
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 16.5 +-0.1

Startlock Angle: NA
Feather/High Angle: 79.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	M10876ANS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10876AS	BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-3434-8	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-8P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3343	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-502A
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A17SW
Propeller Model: HC-B5MP-3A
Propeller T.C.: P44GL
Blade Model(s): M10282A+6
 M10282AN+6
 M10282ANS+6
 M10282AS+6
Prop Diameter: 111.2" TO 110.7"

Prop Setup:

Ref. Radius 42
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 16.5 +-0.1

IDS No.: 1217 **Rev.:** **Date:** 11/16/2009

Modifier:
Engine: PT6A-45A, -45B, -45R
Power: 1100 HP @ 1700 RPM
Placard/Restr:

Notes: At the low pitch setting, check blade to blade angles at the 36, 42 and 48 inch radial locations. No blade may be consistently high or low at all three stations.

Startlock Angle: NA
Feather/High Angle: 79.0 +-0.5
Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	M10282A+6	BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10282AN+6	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10282ANS+6	IDS ITEM, BLADE	5	Prop	
BLADE	M10282AS+6	IDS ITEM, BLADE	5	Prop	
SPINNER	D-3434-8	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-8P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT, HEX, SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	B-4015	PCP:SLUG, COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-502B
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A17SW
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA

IDS No.: 1069 **Rev.:** 2 **Date:** 6/4/2013
Modifier:
Engine: PT6A-15AG, -27, -34, -34AG, -34B, -36
Power: 750 HP @ 2200 RPM
Placard/Restr: At the low pitch setting, check blade to blade angles at the 30, 42 and 48 inch radial locations. No blade may be consistently high or low at all three stations.
Notes: Engine Ratings Note: PT6A-15AG, -27 (680hp)

Blade Model(s): T10282+4
T10282N+4
T10282NS+4
T10282S+4
Prop Diameter: 106.5" to 102"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10451	HC-B3TN-3D/T10282N+4/BULKHEAD	1	A/C	
PROPELLER	B3N10451S	HC-B3TN-3D/T10282N+4/D-3434-6	1	A/C	
PROPELLER	B3N10453	HC-B3TN-3D/T10282N+4/BULKHEAD	1	A/C	
PROPELLER	B3N10453S	HC-B3TN-3D/T10282N+4/D-3434-6P	1	A/C	
PROPELLER	B3N10453SKD	HC-B3TN-3D/T10282N+4/D-3434-6P	1	A/C	
PROPELLER	B3N10454	HC-B3TN-3D/T10282NS+4/BULKHEAD	1	A/C	
PROPELLER	B3N10454S	HC-B3TN-3D/T10282NS+4/3434-17P	1	A/C	
PROPELLER	B3N10455	HC-B3TN-3D/T10282NS+4/BULKHEAD	1	A/C	
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10282NS+4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282S+4	IDS*ITEM, BLADE	3	Prop	
SPINNER	D-3434-17P	SPINNER ASSEMBLY	1	Prop	w/ Dynamic Balance Holes
SPINNER	D-3434-6	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-6P	SPINNER ASSEMBLY	1	Prop	w/o Dynamic Balance Holes
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-502B
Trade Name: -
Aircraft T.C./STC:
Propeller Model: HC-B4TN-3C
Propeller T.C.: P40EA

Blade Model(s): T10282NS
Prop Diameter: 103"

Prop Setup:

Ref. Radius: 42
Reverse Angle: -15.0 +/- 0.5
Low Pitch Angle: 11.5 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2820 **Rev.:** 1 **Date:** 1/10/2011
Modifier: Wayne Hanson
Engine: PT6A-34AG
Power: 750 HP @ 1900 RPM
Placard/Restr: est: Ground operation prohibited below 1150 RPM

Notes:

Startlock Angle: N/A
Feather/High Angle: 82.0 +/- 0.5
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10230	HC-B4TN-3C/T10282NS	1	A/C	
PROPELLER	B4N10230S	HC-B4TN-3C/T10282NS/D-3434-18P	1	A/C	
BLADE	T10282NS	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-3434-18	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-18P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	(Optional)
CWT_SLUG	B-3851-0463	WASHER	2	Blade	(Optional)
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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AIR TRACTOR

Model: AT-503
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A17SW
Propeller Model: HC-B5MP-3C
Propeller T.C.: P44GL
Blade Model(s): M10876ANS
M10876AS
Prop Diameter: 111.2" TO 110.7"

IDS No.: 93 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: PT6A-45R
Power: 1100 HP @ 1700 RPM
Placard/Restr:

Notes: At the low pitch setting, check blade to blade angles at the 36, 42, 48 and 54 inch radial locations. No blade may be consistently high or low at all four stations and all blades must be within 0.2 deg of one another.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 16.5 +-0.1

Startlock Angle: NA
Feather/High Angle: 79.0 +-0.5
Cwt Angle: 2.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	M10876ANS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10876AS	BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-3434-8P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT, HEX, SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3343	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-503A
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A17SW
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
 T10282NS+4
 T10282S+4

Prop Diameter: 106.5" TO 102"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

IDS No.: 1079 **Rev.:** 2 **Date:** 6/4/2013

Modifier:
Engine: PT6A-34, -34AG
Power: 750 HP @ 2200 RPM
Placard/Restr:

Notes: At the low pitch setting, check blade to blade angles at the 30, 42 and 48 inch radial locations. No blade may be consistently high or low at all three stations.

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10282NS+4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282S+4	IDS*ITEM, BLADE	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-602
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A19SW

Propeller Model: HC-B5MP-3C
Propeller T.C.: P44GL
Blade Model(s): M10876ANS
M10876AS
Prop Diameter: 111.2" TO 110.7

IDS No.: 1442 **Rev.:** 2 **Date:** 5/22/2012
Modifier:
Engine: PT6A-45R, -60AG, -65AR, -65B, -65R, -65AG
Power: 1050 HP @ 1700 RPM
Placard/Restr:
Notes: At the low pitch setting, check blade to blade angles at the 36, 42, 48 and 54 inch radial locations. No blade may be consistently high or low at all four stations and all blades must be within 0.2 deg of one another.

Prop Setup:

Ref. Radius 42
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 16.5 +-0.1

Startlock Angle: NA
Feather/High Angle: 79.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10108S	HC-B5MP-3C/M10876ANS/D-3434-8P	1	A/C	
PROPELLER	B5P10108SKD	HC-B5MP-3C/M10876ANS/D-3434-8P	1	A/C	
BLADE	M10876ANS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10876AS	BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-3434-8	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-8P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3343	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-802
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A19SW
Propeller Model: HC-B5MP-3F
Propeller T.C.: P44GL
Blade Model(s): M11276NS
Prop Diameter: 115.2" TO 114.7"

IDS No.: 1642 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: PT6A-65AG
Power: 1295 HP @ 1700 RPM
Placard/Restr:

Notes: At the low pitch setting, check blade to blade angles at the 36, 42, 48 and 54 inch radial locations. No blade may be consistently high or low at all four stations and all blades must be within 0.2 deg of one another.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 13.9 +-0.1

Startlock Angle: NA
Feather/High Angle: 83.1 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10311	HC-B5MP-3F/M11276NS	1	A/C	
PROPELLER	B5P10311S	HC-B5MP-3F/M11276NS/E-7256-P	1	A/C	
PROPELLER	B5P10311SKD	HC-B5MP-3F/M11276NS/E-7256-P	1	A/C	
BLADE	M11276NS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	E-7256	SPINNER ASSEMBLY	1	Prop	
SPINNER	E-7256-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-6H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-802
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A19SW
Propeller Model: HC-B5MP-3C
Propeller T.C.: P44GL
Blade Model(s): M10876ANS
M10876AS
Prop Diameter: 111.2" TO 110.7

IDS No.: 95 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: PT6A-65R, -65AG
Power: 1295 HP @ 1700 RPM
Placard/Restr:

Notes: Engine Ratings Note: PT6A-65B, -45R (1173hp) At the low pitch setting, check blade to blade angles at the 36, 42, 48 and 54 inch radial locations. No blade may be consistently high or low at all four stations and all blades must be within 0.2 deg of one another.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -11.0 +/-0.5
Low Pitch Angle: 16.5 +/-0.1

Startlock Angle: NA
Feather/High Angle: 79.0 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10105	HC-B5MP-3C/M10876ANS/BULKHEAD	1	A/C	
PROPELLER	B5P10105S	HC-B5MP-3C/M10876ANS/D-3434-8P	1	A/C	
PROPELLER	B5P10105SKD	HC-B5MP-3C/M10876ANS/D-3434-8P			
PROPELLER	B5P10109S	HC-B5MP-3C/M10876ANS/D3434-21P	1	A/C	
BLADE	M10876ANS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10876AS	BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-3434-21	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-21P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-8	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-8P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT, HEX, SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3343	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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AIR TRACTOR

Model: AT-802
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A19SW
Propeller Model: HC-B5MA-3D
Propeller T.C.: P44GL
Blade Model(s): M11276
M11276N
M11276NS
M11276S
Prop Diameter: 115.2" TO 114.7"

IDS No.: 94 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: PT6A-67R, -67AF, -67AG
Power: 1424 HP @ 1700 RPM
Placard/Restr:
Notes: At the low pitch setting, check blade to blade angles at the 36, 42, 48 and 54 inch radial locations. No blade may be consistently high or low at all four stations and all blades must be within 0.2 deg of one another.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 13.9 +-0.1

Startlock Angle: NA
Feather/High Angle: 83.1 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5A10030S	HC-B5MA-3D/M11276N/D-5497-P	1	A/C	
PROPELLER	B5A10031	HC-B5MA-3D/M11276NS/D-5498-P	1	A/C	
PROPELLER	B5A10031S	HC-B5MA-3D/M11276NS/D-5497-P	1	A/C	
PROPELLER	B5A10032	HC-B5MA-3D/M11276N/D-5498-P	1	A/C	
PROPELLER	B5A10032KD	HC-B5MA-3D/M11276N/D-5498-P	1	A/C	
BLADE	M11276	BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M11276N	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M11276NS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M11276S	BLADE	5	Prop	
SPINNER	D-5497-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	

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AIR TRACTOR

Model: AT-802
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A19SW
Propeller Model: HC-B5MA-3D
Propeller T.C.: P44GL

IDS No.: 1789 **Rev.:** 5 **Date:** 6/12/2013

Modifier:
Engine: PT6A-67R, -67AF, -67AG
Power: 1424 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation is prohibited between 400 and 900 RPM. The propeller may be operated when feathered at or below 400 RPM. Stabilized ground operation is prohibited above 1600 RPM except when the aircraft is headed into the wind. For downwind takeoffs, advance above 1600 RPM only after brake release.

Blade Model(s): M11691NS
Prop Diameter: 118.7" TO 118.2"

Notes: Engine Ratings Note: PT6A-67F,-67AG (1350hp) At the low pitch setting, check blade to blade angles at the 36, 42, 48 and 54 inch radial locations. No blade may be consistently high or low at all four stations and all blades must be within 0.2 deg of one another.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle: 13.9 +/-0.1

Startlock Angle: NA
Feather/High Angle: 84.0 +/-0.5
Cwt Angle: 2.0 +/-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5A10247	HC-B5MA-3D/M11691NS	1	A/C	
PROPELLER	B5A10247S	HC-B5MA-3D/M11691NS/D-5497-P	1	A/C	
PROPELLER	B5A10249S	HC-B5MA-3D/M11691NS/D-5497	1	A/C	
PROPELLER	B5A10249SKD	HC-B5MA-3D/M11691NS/D-5497	1	A/C	
BLADE	M11691NS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-5497	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5497-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	

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AIR TRACTOR

Model: AT-802
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A19SW
Propeller Model: HC-B5MA-3DT
Propeller T.C.: P44GL
Blade Model(s): M11276NS
Prop Diameter: 115.2" TO 114.7"

IDS No.: 2449 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: PT6A-67R, -67AF, -67AG
Power: 1424 HP @ 1700 RPM
Placard/Restr:

Notes: At the low pitch setting, check blade to blade angles at the 36, 42, 48 and 54 inch radial locations. No blade may be consistently high or low at all four stations and all blades must be within 0.2 deg. of one another.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 13.9 +-0.1

Startlock Angle: NA
Feather/High Angle: 83.1 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5A10033	HC-B5MA-3DT/M11276NS/BULKHEAD	1	A/C	
PROPELLER	B5A10033KD	HC-B5MA-3DT/M11276NS/BULKHEAD	1	A/C	
PROPELLER	B5A10033S	HC-B5MA-3DT/M11276NS/D-5497	1	A/C	
PROPELLER	B5A10033SKD	HC-B5MA-3DT/M11276NS/D-5497	1	A/C	
BLADE	M11276NS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-5497	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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AIR TRACTOR

Model: AT-802
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A19SW
Propeller Model: HC-B5MA-3DT
Propeller T.C.: P44GL
Blade Model(s): M11691NS
Prop Diameter: 118.7" TO 118.2"

IDS No.: 2651 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: PT6A-67R, -67AF, -67AG
Power: 1424 HP @ 1700 RPM
Placard/Restr:

Notes: At the low pitch setting, check blade to blade angles at the 36, 42, 48 and 54 inch radial locations. No blade may be consistently high or low at all four stations and all blades must be within 0.2 deg. of one another.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 13.9 +-0.1

Startlock Angle: NA
Feather/High Angle: 84.0 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5A10034	HC-B5MA-3DT/M11691NS/BULKHEAD	1	A/C	
PROPELLER	B5A10034KD	HC-B5MA-3DT/M11691NS/BULKHEAD	1	A/C	
PROPELLER	B5A10034S	HC-B5MA-3DT/M11691NS/D-5497	1	A/C	
PROPELLER	B5A10034SKD	HC-B5MA-3DT/M11691NS/D-5497	1	A/C	
BLADE	M11691NS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-5497	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	

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AIR TRACTOR

Model: AT-802
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A19SW
Propeller Model: HC-B5MA-3D
Propeller T.C.: P44GL

IDS No.: 2474 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: PT6A-67R,-67AF,-67AG
Power: 1424 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation is prohibited between 400 and 950 RPM and between 1050 and 1250 RPM. Stabilized ground operation is prohibited above 1600 RPM except when the aircraft is headed into the wind. For downwind takeoffs, advance above 1600 RPM only after brake release.

Blade Model(s): M11276NA
M11276NSA
Prop Diameter: 115.2" TO 114.2"

Notes: At the low pitch setting, check blade to blade angles at the 36.42,48 & 54 inch radial locations. No blade may be consistently high or low at all four stations and all blades must be within 0.2 degree of one another.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 13.9 +-0.1

Startlock Angle: NA
Feather/High Angle: 83.1 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5A10040S	HC-B5MA-3D/M11276NA/D-5497-P	1	A/C	
PROPELLER	B5A10041	HC-B5MA-3D/M11276NSA/BULKHEAD	1	A/C	
PROPELLER	B5A10041S	HC-B5MA-3D/M11276NSA/D-5497-P	1	A/C	
PROPELLER	B5A10042	HC-B5MA-3D/M11276NA/BULKHEAD	1	A/C	
PROPELLER	B5A10042KD	HC-B5MA-3D/M11276NA/BULKHEAD	1	A/C	
BLADE	M11276NA	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M11276NSA	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-5497-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	

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AIR TRACTOR

Model: AT-802
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A19SW
Propeller Model: HC-B5MP-3F
Propeller T.C.: P44GL

IDS No.: 2539 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: PT6A-65AG
Power: 1295 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation is prohibited between 400 and 950 RPM and between 1050 and 1250 RPM. Stabilized ground operation is prohibited above 1600 RPM except when the aircraft is headed into the wind. For downwind takeoffs, advance above 1600 RPM only after brake release.

Blade Model(s): M11276NSA
Prop Diameter: 115.2" TO 114.2"

Notes: At the low pitch setting, check blade to blade angles at the 36, 42, 48 and 54 inch radial locations. No blade may be consistently high or low at all four stations and all blades must be within 0.2 deg. of one another.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 13.9 +-0.1

Startlock Angle: NA
Feather/High Angle: 83.1 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10316	HC-B5MP-3F/M11276NSA	1	A/C	
PROPELLER	B5P10316S	HC-B5MP-3F/M11276NSA/E-7256-P	1	A/C	
PROPELLER	B5P10316SKD	HC-B5MP-3F/M11276NSA/E-7256-P	1	A/C	
BLADE	M11276NSA	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	E-7256	SPINNER ASSEMBLY	1	Prop	
SPINNER	E-7256-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-6H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AIR TRACTOR

Model: AT-802
Trade Name: AIR TRACTOR
Aircraft T.C./STC: A19SW
Propeller Model: HC-B5MA-3DT
Propeller T.C.: P44GL

IDS No.: 2545 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: PT6A-67R,-67AF,-67AG
Power: 1424 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation is prohibited between 400 and 950 RPM and between 1050 and 1250 RPM. Stabilized ground operation is prohibited above 1600 RPM except when aircraft is headed into the wind. For downwind takeoffs, advance above 1600 RPM only after brake release.

Blade Model(s): M11276NSA
Prop Diameter: 115.2" TO 114.2"

Notes: At the low pitch setting, check blade to blade angles at the 36, 42, 48 and 54 inch radial locations. No blade may be consistently high or low at all four stations and all blades must be within 0.2 deg. of one another.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 13.9 +-0.1

Startlock Angle: NA
Feather/High Angle: 83.1 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5A10043	HC-B5MA-3DT/M11276NSA/BULKHEAD	1	A/C	
PROPELLER	B5A10043KD	HC-B5MA-3DT/M11276NSA/BULKHEAD	1	A/C	
PROPELLER	B5A10043S	HC-B5MA-3DT/M11276NSA/D-5497	1	A/C	
PROPELLER	B5A10043SKD	HC-B5MA-3DT/M11276NSA/D-5497	1	A/C	
BLADE	M11276NSA	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-5497	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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AIRCRAFT ACQUISITION CORP.

Model: see HELIO

Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1488 Rev.: Date: 12/1/1997

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

AIRCRAFT DESIGNS INC.

Model: STALLION

Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: PHC-C3YF-1RF
Propeller T.C.:
Blade Model(s): F7691
Prop Diameter: 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1370 Rev.: Date: 3/11/2003

Modifier:
Engine: IO-550-G1B
Power: 285 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.9 +-1.0
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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AIRCRAFT PARTS & DEVELOPMENT

Model: A-9B
Trade Name:
Aircraft T.C./STC: STC-SA98RM
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	835-36	SPINNER ASSEMBLY, "CNC"	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 97 **Rev.:** **Date:** 10/2/1992
Modifier: AIRCRAFT PARTS & DEVELOPMENT
Engine: IO-540-B1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Governor:

AIRPLANE SERVICES

Model: see AERO COMMANDER (CALLAIR)
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 100 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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AIRTOURER COOPERATIVE LTD.

Model: AIRTOURER SUPER 150

Trade Name:

Aircraft T.C./STC: A-7 (NZ)

Propeller Model: HC-C2YL-1BF

Propeller T.C.: P-920

Blade Model(s): F7663A-3.5

Prop Diameter: 72.5"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.2 +/- 0.2

IDS No.: 1900

Rev.:

Date: 2/22/2010

Modifier:

Engine: O-320-E1A

Power: 150 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 35.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00055	HC-C2YL-1BF/F7663A-3.5	1	A/C	
BLADE	F7663A-3.5	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	D1-9	IDS Item	1	A/C	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

AIRTOURER COOPERATIVE LTD.

Model: Airtourer T6

Trade Name: Airtourer T6

Aircraft T.C./STC: A-8 (NZ)

Propeller Model: HC-C2YL-1BF

Propeller T.C.: P-920

Blade Model(s): F7663-4

Prop Diameter: 72" - 70"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.2 +/- 0.2

IDS No.: 46

Rev.:

Date: 2/22/2010

Modifier:

Engine: O-320-D1A, E1A

Power: 150 HP @ 2700 RPM

Placard/Restr:

Notes: O320-D1A is 160 HP

Startlock Angle: NA

Feather/High Angle: 35.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00037	HC-C2YL-1BF/F7663-4	1	A/C	
BLADE	F7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	D1-9	IDS Item	1	A/C	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

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AMERICAN AGVIATION (GRUMMAN)

Model: G-164
Trade Name: AG CAT
Aircraft T.C./STC: STC-SA7987SW
Propeller Model: HC-B3TN-5M
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
Prop Diameter: 106.5" TO 101.0"

IDS No.: 1735 **Rev.:** 2 **Date:** 6/4/2013
Modifier: AGRI-JET POWER
Engine: TPE331-6-252
Power: 600 HP @ 2000 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle:

Startlock Angle: 2.0 +-0.2
Feather/High Angle: 81.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10913	HC-B3TN-5M/T10282N+4/BULKHEAD	1	A/C	
PROPELLER	B3N10913S	HC-B3TN-5M/T10282N+4/C-3043-3P	1	A/C	
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3043-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3043-3P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AMERICAN AGVIATION (GRUMMAN)

Model: G-164B
Trade Name: AG CAT
Aircraft T.C./STC: 1A16
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
Prop Diameter: 106.5" TO 100.5"

IDS No.: 1727 **Rev.:** 2 **Date:** 6/4/2013
Modifier:
Engine: PT6A-20B, -34AG
Power: 600 HP @ 2200 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 90.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10458	HC-B3TN-3D/T10282N+4	1	A/C	
PROPELLER	B3N10458S	HC-B3TN-3D/T10282N+4/D3434-12P	1	A/C	
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	D-3434-12	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-12P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AMERICAN AGVIATION (GRUMMAN)

Model: G-164B-34T, -15T; G-164D

Trade Name: AG CAT

Aircraft T.C./STC: 1A16

Propeller Model: HC-B3TN-3D

Propeller T.C.: P15EA

Blade Model(s): T10282+4
T10282N+4

Prop Diameter: 106.5" TO 100"

Prop Setup:

Ref. Radius 30

Reverse Angle: -8.0 +-0.5

Low Pitch Angle: 18.0 +-0.1

IDS No.: 928

Rev.: 2

Date: 6/4/2013

Modifier:

Engine: PT6A-34AG; PT6A-15AG (680hp)

Power: 750 HP @ 2200 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 90.0 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	D-3434-6	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-6P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AMERICAN CHAMPION

Model: 11AC,11BC,S11AC,S11BC
Trade Name: CHIEF (AERONCA)
Aircraft T.C./STC: A-761
Propeller Model: HA-12U
Propeller T.C.:
Blade Model(s): 7214-4
7214-4M
7214M
7414
Prop Diameter: 74" TO 68"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 2280-2380 RPM (C-85)

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 292 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: A-65-8, C-85-8F
Power: 85 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7214-4	IDS Item	2	Prop	
BLADE	7214-4M	IDS Item	2	Prop	
BLADE	7214M	IDS Item	2	Prop	
BLADE	7414	IDS Item	2	Prop	

AMERICAN CHAMPION

Model: 7GCA, 7GCB, 7GCC
Trade Name: (AERONCA)
Aircraft T.C./STC: STC-SA283AL
Propeller Model: HC-82XL-1, HC-A2XL-1
Propeller T.C.: P24EA
Blade Model(s): 7636-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2112 **Rev.:** **Date:** 11/21/2003
Modifier: BACHNER'S AIRCRAFT
Engine: O-320 SERIES
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	2	Prop	

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AMERICAN CHAMPION

Model: 7GCA, 7GCB, 7GCC
Trade Name: (AERONCA)
Aircraft T.C./STC: STC-SA283AL
Propeller Model: HC-82VL-1, HC-A2VL-1
Propeller T.C.: P24EA
Blade Model(s): V7636N-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636N-4	BLADE	2	Prop	

IDS No.: 2113 **Rev.:** **Date:** 11/21/2003

Modifier: BACHNER'S AIRCRAFT

Engine: O-320 SERIES

Power: 150 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle: Positive

Non-HPI Governor:

AMERICAN CHAMPION

Model: 7GCA, 7GCB, 7GCC
Trade Name: (AERONCA)
Aircraft T.C./STC: STC-SA283AL
Propeller Model: HC-A2MVL-1
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: UNKNOWN

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	B-322	BOLT, 7/16-20, HEX HEAD	6	Prop	

IDS No.: 283 **Rev.:** 1 **Date:** 1/7/2011

Modifier: BACHNER'S AIRCRAFT

Engine: O-320 SERIES

Power: 150 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: UNKNOWN

Cwt Angle: Positive

Non-HPI Governor:

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AMERICAN CHAMPION

Model: 7GCA, 7GCB, 7GCC
Trade Name: (AERONCA)
Aircraft T.C./STC: STC-SA283AL
Propeller Model: HC-C2YL-1B
Propeller T.C.: P-920
Blade Model(s): F7663-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

IDS No.: 284 Rev.: Date: 10/2/1992
Modifier: BACHNER'S AIRCRAFT
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

AMERICAN CHAMPION

Model: 7GCBC
Trade Name: (AERONCA)
Aircraft T.C./STC: STC-SA513AL
Propeller Model: HC-C2YL-1BF
Propeller T.C.:
Blade Model(s): F8468A-8R
Prop Diameter: 76"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

IDS No.: 285 Rev.: Date: 4/16/1993
Modifier: NORTHLAND AVIATION
Engine: O-320-A3B
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.5 +-0.5
Cwt Angle:

Non-HPI Governor:

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AMERICAN CHAMPION

Model: 8GCBC
Trade Name: SCOUT
Aircraft T.C./STC: A21CE
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A
Prop Diameter: 76" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 288 **Rev.:** **Date:** 6/6/2006
Modifier:
Engine: O-360-C1A,-C1E,-C1G
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2350 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00681	HC-C2YR-1BF/F7666A/SM4	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	836-52	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-52P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AMERICAN CHAMPION

Model: 8GCBC
Trade Name: SCOUT
Aircraft T.C./STC: STC-SA530AL
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A
Prop Diameter: 76" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 289 **Rev.:** **Date:** 6/6/2006
Modifier: NORTHLAND AVIATION
Engine: O-360-C1A, -C1E, -C1G
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	836-52	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AMERICAN CHAMPION

Model: 8GCBC
Trade Name: SCOUT
Aircraft T.C./STC: STC-SA742NW
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00020	HC-C2YR-1BF/F7666A/SM4	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	836-52	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1210 **Rev.:** **Date:** 10/12/2006

Modifier: KENMORE AIR HARBOR
Engine: O-360-C1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

AMERICAN CHAMPION

Model: 8GCBC
Trade Name: SCOUT
Aircraft T.C./STC: A21CE
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA

Blade Model(s): F7282
Prop Diameter: 74" to 73"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 9.2 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00019	HC-C3YR-1RF/F7282/SM7	1	A/C	
BLADE	F7282	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	S-1-2	GOVERNOR ASSEMBLY, S-1-2	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1369 **Rev.:** **Date:** 7/1/2008

Modifier:
Engine: O-360-C1A, C1E, C1G
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation below 15 inches manifold pressure between 1950 and 2350 RPM

Notes: S-1-2 Governor is for O-360-C1G engine

Startlock Angle: NA
Feather/High Angle: 30.5 +-0.5
Cwt Angle:

Non-HPI Governor:

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AMERICAN CHAMPION

Model: 8KCAB
Trade Name: DECATHLON
Aircraft T.C./STC: A21CE
Propeller Model: HC-C2YL-4F
Propeller T.C.:
Blade Model(s): FC7663-4*1
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 290 **Rev.:** **Date:** 4/16/1993

Modifier:
Engine: AEIO-320-E1B; IO-320-E1A, -E1B
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 20.5 +-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC7663-4*1	PCP:BLADE UNIT, B-3202H-8 CWT	2	Prop	
SPINNER	836-52	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-3	IDS Item	1	A/C	
GOVERNOR	F6-3A	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
COUNTERWEIGHT	B-3202H-8	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

AMERICAN CHAMPION

Model: 8KCAB
Trade Name: DECATHLON
Aircraft T.C./STC: A21CE
Propeller Model: HC-C2YL-4, -4F, -4BF
Propeller T.C.: P-920
Blade Model(s): FC7663-4
Prop Diameter: 72.0" TO 70.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1221 **Rev.:** **Date:** 4/14/2004

Modifier:
Engine: IO-320-E1A, -E1B, AEIO-320-E1B
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 20.0 +-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00100	HC-C2YL-4BF/FC7663-4/SM8	1	A/C	
BLADE	FC7663-4	PCP:BLADE UNIT, B-3202H-7 CWT	2	Prop	
SPINNER	826-52	IDS Item	1	Prop	
SPINNER	826-52P	IDS Item	1	Prop	
GOVERNOR	F6-31	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
GOVERNOR	F6-3A	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-7	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

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AMERICAN CHAMPION

Model: 8KCAB
Trade Name: DECATHLON
Aircraft T.C./STC: A21CE
Propeller Model: HC-C2YR-4BF, -4CF
Propeller T.C.: P-920
Blade Model(s): FC7666A-2*1
 FC7666A-2*3

Prop Diameter: 74.0" TO 72.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.1

IDS No.: 291 **Rev.:** **Date:** 10/1/2004
Modifier:
Engine: AEIO-360-H1A
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R00227	HC-C2YR-4CF/FC7666A-2[*3]/SM8	1	A/C	
PROPELLER	C2R00230	HC-C2YR-4CF/FC7666A-2[*1]/SM8	1	A/C	
BLADE	FC7666A-2*1	PCP:BLADE UNIT, B-3202H-8 CWT	2	Prop	
BLADE	FC7666A-2*3	PCP:BLADE UNIT, B-3202H-8 CWT	2	Prop	
SPINNER	836-52	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-52P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-8	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AMF PAKISTAN AERONAUTICAL COMP

Model: MFI-17
Trade Name: MUSHSHAK
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YK-4BF
Propeller T.C.: P-920
Blade Model(s): FC7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

IDS No.: 1664 **Rev.:** **Date:** 6/28/1999
Modifier:
Engine: IO-360-A1B6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AMF PAKISTAN AERONAUTICAL COMP

Model: MFI-17
Trade Name: SHAHBAZ
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YF-1BF
Propeller T.C.: P-920
Blade Model(s): F8459-9R
Prop Diameter: 75"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8459-9R	IDS Item	2	Prop	
SPINNER	835-44	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 924 **Rev.:** **Date:** 3/26/2003

Modifier:
Engine: TSIO-360-MB
Power: 210 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

AMF PAKISTAN AERONAUTICAL COMP

Model: MFI-17
Trade Name: SUPER MUSHSHAK
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-8R
Prop Diameter: 76.0" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00180	HC-C2YK-1BF/F8477-8R	1	A/C	
PROPELLER	C2K00182	HC-C2YK-1BF/F8477-8R/SM2	1	A/C	
BLADE	F8477-8R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-41	SPINNER ASSEMBLY	1	Prop	USED W/C2K00180
SPINNER	A-4203	SPINNER ASSEMBLY, "CNC"	1	Prop	USED W/C2K00182
SPINNER	A-4203-P	SPINNER ASSEMBLY, "CNC"	1	Prop	USED W/C2K00182
GOVERNOR	V5-8	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-2	SPINNER - MTG KIT	1	Prop	USED W/C2K00182
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1433 **Rev.:** **Date:** 1/9/2004

Modifier:
Engine: IO-540-V4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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ANDERSON GREENWOOD

Model: 14
Trade Name:
Aircraft T.C./STC: 4A1
Propeller Model: HA-12UF-1
Propeller T.C.:
Blade Model(s): L7214
Prop Diameter: 72" TO 70.5"

Prop Setup:

Ref. Radius: 24
Reverse Angle: NA
Low Pitch Angle: 19.38 +-0.62

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 101 Rev.: Date: 10/2/1992

Modifier:
Engine: C-90-12FP
Power: 90 HP @ 2475 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Governor: NA

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	L7214	IDS ITEM, BLADE, HARTZITE	2	Prop	

ANDERSON GREENWOOD

Model: 51, 51A (BELLANCA)
Trade Name:
Aircraft T.C./STC: A11SW
Propeller Model: HC-E2YR-1BF, 1S
Propeller T.C.: P9EA
Blade Model(s): F8465-7R
Prop Diameter: 77" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.1 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 102 Rev.: Date: 4/16/1993

Modifier:
Engine: IO-540-C4B5, -A4D5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.8 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8465-7R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	C-4565	SPINNER ASSEMBLY	1	Prop	Replaces C-3245-1
GOVERNOR	F4-25	IDS Item	1	A/C	
GOVERNOR	F4-25Z	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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ANTONOV

Model: AN-38
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-B5MA-5A
Propeller T.C.: P44GL

IDS No.: 1064 **Rev.:** 2 **Date:** 9/12/2011

Modifier:
Engine: TPE331-14GR
Power: 1500 HP @ 1552 RPM
Placard/Restr: A) Stabilized ground operation is prohibited below 1008 (65%) RPM and between 1086 (70%) and 1195 (77%) RPM. B) The engine may be operated in a static ground idle condition only between 65% and 70% RPM and all taxiing and ground operations must be conducted above 77% RPM. C) Aircraft bank angles in excess of 30 degrees are prohibited during normal operation.

Blade Model(s): M11276NK-3
Prop Diameter: 112.2"

Notes: Refer to Manual 139 for Airworthiness Limitations.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: NA

Startlock Angle: -3.4 +-0.1
Feather/High Angle: 82.0 +-0.5
Cwt Angle: 2.5 +-1.5

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5A10215	B5MA-5A/M11276NK-3/BULK/DE-ICE	2	A/C	
PROPELLER	B5A10215KD	B5MA-5A/M11276NK-3/BULK/DE-ICE	2	A/C	
PROPELLER	B5A10215S	HC-B5MA-5A/M11276NK-3/E-5760-P	2	A/C	
PROPELLER	B5A10215SKD	HC-B5MA-5A/M11276NK-3/E-5760-P	2	A/C	
BLADE	M11276NK-3	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	E-5760-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-16H	BOLT, 1/4-28, HEX HEAD	5	Prop	
SPIN MTG KIT	B-3384-21H	BOLT, 1/4-28, HEX HEAD	5	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	A-890-14	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-15H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	C-7268	PCP:SLUG, COUNTERWEIGHT	1	Blade	
DE-ICER	4H3055-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3055-1
DE-ICE KIT_PR	7931-67-825-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-67-825-2	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-67-825-3	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (21")

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APEX

Model: DR 500
Trade Name: PRESIDENT
Aircraft T.C./STC: EU TC 45
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 117 **Rev.:** **Date:** 12/6/2006
Modifier:
Engine: IO-360-A1B6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes: Formerly Avions Pierre Robin

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00044	HC-C2YK-1BF/F7666A-2/SM19	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AVI PRO AIRCRAFT

Model: BEARHAWK
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068
Prop Diameter: 82

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.7 +-0.2

IDS No.: 2663 **Rev.:** **Date:** 11/30/2006
Modifier:
Engine: O-540-A4A5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 31.0 +-1.0
Cwt Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R02001	HC-C3YR-1RF/F8068/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AVIA LTD.

Model: 201
Trade Name: ACCORD
Aircraft T.C./STC: Unknown
Propeller Model: PHC-H3YF-2KUF
Propeller T.C.: P35EA
Blade Model(s): FC7453
FC7453B

Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 9.5 +-0.2

IDS No.: 1641 **Rev.:** **Date:** 2/14/2008

Modifier:
Engine: IO-360-ES
Power: 210 HP @ 2800 RPM
Placard/Restr:
Notes:

Startlock Angle: 15.0 +-1.5
Feather/High Angle: 81.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	H3F00039	PHC-H3YF-2KUF/FC7453/SM9	2	A/C	
PROPELLER	H3F00040	PHC-H3YF-2KUF/FC7453B/SM9	2	A/C	
BLADE	FC7453	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7453B	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-3P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-7	GOVERNOR ASSEMBLY, E-3-()			
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-10
DE-ICE KIT_PR	7931-5E2689-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-5E2689-2	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

AVIAMILANO

Model: see SIAI MARCHETTI
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 104 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

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AVIAN

Model: 1
 Trade Name:
 Aircraft T.C./STC: H5EA
 Propeller Model: HC-E2YK-1
 Propeller T.C.:
 Blade Model(s): FL7280+0.5
 Prop Diameter: 72"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FL7280+0.5	IDS ITEM, BLADE [2,2,1]	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 105 Rev.: Date: 10/2/1992

Modifier:
 Engine: IO-360-C1A
 Power: 200 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle:
 Cwt Angle:

Non-HPI Governor:

AVIAT

Model: S-2(B, C)
 Trade Name: PITTS
 Aircraft T.C./STC: Experimental
 Propeller Model: HC-C3YR-4A
 Propeller T.C.: P25EA
 Blade Model(s): C7690E
 Prop Diameter: 78"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 10.7 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00275	HC-C3YR-4A/C7690E/SM6	1	A/C	Order C3R00280 w/-34(Comp Spn)
PROPELLER	C3R00280	HC-C3YR-4A/C7690E/SM34	1	A/C	
BLADE	C7690E	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	D-7267-P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-7409	SPINNER ASSEMBLY, COMPOSITE	1	Prop	Composite Assy
GOVERNOR	F6-59	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
GOVERNOR	F6-59Z	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-34	SPINNER - MTG KIT	1	Prop	Use w/D-7409 Only
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	Use w/D-7267P Only
COUNTERWEIGHT	D-7248	PCP:CLAMP, COUNTERWEIGHT	1	Blade	Blade Component
CWT_SLUG	A-1744	BOLT,3/8-24,HEX HEAD	2	Blade	Blade Component
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	2	Blade	Blade Component
CWT_SLUG	C-7249	SLUG, COUNTERWEIGHT	2	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1710 Rev.: Date: 8/29/2005

Modifier:
 Engine: AEIO-540-D4A5
 Power: 260 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 35.0 +-1.0
 Cwt Angle:

Non-HPI Governor:

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AVIAT

Model: A-1, A-1A, A-1B
Trade Name: HUSKY
Aircraft T.C./STC: SA1446SE
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

Blade Model(s): F8477-4
 F8477-4*1
 F8477-4*2

Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1557 **Rev.:** **Date:** 11/16/2006
Modifier: GATE 9 AIRCRAFT (AEROMARK)
Engine: O-360-C1G
Power: 180 HP @ 2700 RPM
Placard/Restr: Propeller must be equipped with C-1576 Damper Assembly.
Notes: Must use C-1576 damper assembly

Startlock Angle: NA
Feather/High Angle: 30.9+-1.0
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00074	HC-C2YR-1BF/F8477-4/SM16/C1576	1	A/C	
PROPELLER	C2R00084	HC-C2YR-1BF/F8477-4[*1]/SM16	1	A/C	
PROPELLER	C2R00086	HC-C2YR-1BF/F8477-4[*2]/SM16	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F8477-4*1	PCP:BLADE UNIT, ALUM [3,1,1]	2	Prop	
BLADE	F8477-4*2	PCP:BLADE UNIT, ALUM [6,1,1]	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	S-1-16	GOVERNOR ASSEMBLY, S-1-16	1	A/C	
GOVERNOR	V3-6	GOVERNOR ASSEMBLY, V-3-()	1	A/C	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

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AVIAT

Model: A-1
Trade Name: HUSKY
Aircraft T.C./STC: A22NM
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A
F7666A*1

Prop Diameter: 76" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 106 **Rev.:** **Date:** 11/16/2006

Modifier:

Engine: O-360-C1G

Power: 180 HP @ 2700 RPM

Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: NA

Feather/High Angle: 29.0 +-1.0

Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00036	HC-C2YK-1BF/F7666A[*1]/SM8	1	A/C	
PROPELLER	C2K00040	HC-C2YK-1BF/F7666A/SM8	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F7666A*1	PCP:BLADE UNIT, ALUM [3,1,1]	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	S-1-16	GOVERNOR ASSEMBLY, S-1-16	1	A/C	
GOVERNOR	V3-6	GOVERNOR ASSEMBLY, V-3-()	1	A/C	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AVIAT

Model: A-1C-180, A-1C-200
Trade Name: HUSKY
Aircraft T.C./STC: A22NM
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

Blade Model(s): F8477-4*1
Prop Diameter: 80 to 78

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 10.3 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2701 **Rev.:** **Date:** 3/12/2009

Modifier:
Engine: O-360-A1P, IO-360-A1D6
Power: 200 HP @ 2700 RPM
Placard/Restr: None; Propeller must be equipped with Hartzell model C-1576 damper assembly when used with the O-360-A1P engine.
Notes: O-360-A1P engine rating is 175 HP at 2600 RPM.

Startlock Angle:
Feather/High Angle: 30.9 +-1.0
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00088	HC-C2YR-1BF/F8477-4[*1]/SM16	1	A/C	
PROPELLER	C2R00089	HC-C2YR-1BF/F8477-4[*1]/SM8	1	A/C	
BLADE	F8477-4*1	PCP:BLADE UNIT, ALUM [3,1,1]	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	A/C	
SPINNER	836-60P	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-3568	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	A/C	
GOVERNOR	V3-6	GOVERNOR ASSEMBLY, V-3-()	1	A/C	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

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AVIAT

Model: A-1C-180
Trade Name: HUSKY
Aircraft T.C./STC: A22NM
Propeller Model: HC-C2YR-1N
Propeller T.C.: P-920
Blade Model(s): N7605
Prop Diameter: 76

IDS No.: 2891 **Rev.:** **Date:** 9/10/2009
Modifier:
Engine: O-360-A1P
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 10.5 +-0.2

Startlock Angle:
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R31050	HC-C2YR-1N/N7605/SM8	1	A/C	
BLADE	N7605	PCP:BLADE ASSY, COMPOSITE	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-60P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	S-1-16	GOVERNOR ASSEMBLY, S-1-16	1	A/C	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (12")

AVIAT

Model: S-2(B,C)
Trade Name: PITTS
Aircraft T.C./STC: A8SO
Propeller Model: HC-C3YR-4A
Propeller T.C.: P25EA
Blade Model(s): C7690E
Prop Diameter: 78"

IDS No.: 2678 **Rev.:** **Date:** 2/9/2007
Modifier:
Engine: AEIO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 9.4 +-0.1

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00278	HC-C3YR-4A/C7690E/SM6	1	A/C	
BLADE	C7690E	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	D-7267-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-59Z	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	D-7248	PCP:CLAMP, COUNTERWEIGHT	1	Blade	Blade Component
CWT_SLUG	A-1744	BOLT,3/8-24,HEX HEAD	2	Blade	Blade Component
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	2	Blade	Blade Component
CWT_SLUG	C-7249	SLUG, COUNTERWEIGHT	2	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AVIAT (CHRISTEN)

Model: EAGLE II
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YK-4CF
Propeller T.C.: P-920

Blade Model(s): FC7666A-2
 FC7666A-4Q

Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

IDS No.: 107 **Rev.:** **Date:** 5/29/2002

Modifier:
Engine: AEIO-360-A1D
Power: 200 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000-2350 RPM and above 2600 RPM DURING aerobatic flight

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00610	HC-C2YK-4CF/FC7666A-2/SM8	1	A/C	
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
BLADE	FC7666A-4Q	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-56	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AVIAT (PITTS)

Model: S-1T
Trade Name: PITTS
Aircraft T.C./STC: A8SO
Propeller Model: HC-C2YK-4CF
Propeller T.C.: P-920

Blade Model(s): FC7666A-2
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

IDS No.: 108 **Rev.:** **Date:** 8/4/2003

Modifier:
Engine: AEIO-360-A1D, -A1E
Power: 200 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000-2350 RPM and above 2600 RPM during aerobatic flight

Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00608	HC-C2YK-4CF/FC7666A-2/SM8	1	A/C	
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-3A	GOVERNOR ASSEMBLY, F-6-()	1	A/C	S/N 2
GOVERNOR	F6-58Z	GOVERNOR ASSEMBLY, F-6-()	1	A/C	S/N 1007-UP
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AVIAT (PITTS)

Model: S-1-11B
Trade Name: PITTS SPECIAL
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YR-1A
Propeller T.C.: P25EA
Blade Model(s): 7690E
Prop Diameter: 78" NO CUT OFF

IDS No.: 1224 **Rev.:** **Date:** 12/20/2004
Modifier:
Engine: AEIO-540-K1()5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Governor requires A-3144-2 Governor Drive Extension & C-6059 Valve Assembly with B-1104 Gasket.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00012	HC-C3YR-1A/7690E/SM6	1	A/C	
BLADE	7690E	PCP:BLADE ASSY, COMP [3,1,1]	3	Prop	
SPINNER	D-6936-P	SPINNER ASSEMBLY	1	Prop	REQ'D IF USING 7690E BLADE
GOVERNOR	E2-1	GOVERNOR ASSEMBLY, E-2-()	1	A/C	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AVIAT (PITTS)

Model: S-2A
Trade Name: PITTS
Aircraft T.C./STC: A8SO
Propeller Model: HC-C2YK-4AF
Propeller T.C.: P-920
Blade Model(s): FC7666A-2
Prop Diameter: 74" TO 72"

IDS No.: 109 **Rev.:** **Date:** 2/2/2001
Modifier:
Engine: IO-360-A1A, AEIO-360-A1A, -A1E
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00540	HC-C2YK-4AF/FC7666A-2/SM8	1	A/C	
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	Prop	836-52(old)
GOVERNOR	F6-3A	GOVERNOR ASSEMBLY, F-6-()	1	A/C	S/N 1001, 2001-2205
GOVERNOR	F6-58Z	GOVERNOR ASSEMBLY, F-6-()	1	A/C	S/N 2206 & UP
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AVIAT (PITTS)

Model: S-2(B,C)
Trade Name: PITTS
Aircraft T.C./STC: A8SO
Propeller Model: HC-C3YR-1A
Propeller T.C.: P25EA
Blade Model(s): 7690E
Prop Diameter: 78" NO CUT OFF

IDS No.: 1226 **Rev.:** 1 **Date:** 9/9/2011
Modifier:
Engine: AEIO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes: Governor requires A-3144-2 Governor Drive Extension & C-6059 Valve Assembly with B-1104 Gasket. Refer to Manual 145 for Airworthiness Limitations.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 9.4 +-0.1

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00011	HC-C3YR-1A/7690E/SM6	1	A/C	
BLADE	7690E	PCP:BLADE ASSY, COMP [3,1,1]	3	Prop	
SPINNER	D-6936-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E2-2	GOVERNOR ASSEMBLY, E-2-()	1	A/C	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AVIAT (PITTS)

Model: S-2S, S-2B
Trade Name: PITTS
Aircraft T.C./STC: A8SO
Propeller Model: HC-C2YR-4CF
Propeller T.C.: P-920
Blade Model(s): FC8477A-4*1
Prop Diameter: 80.0" TO 78.0"

IDS No.: 110 **Rev.:** 1 **Date:** 9/9/2011
Modifier:
Engine: AEIO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes: Reference Manual 115N for Airworthiness Limitations.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00260	HC-C2YR-4CF/FC8477A-4[*1]/SM8	1	A/C	
BLADE	FC8477A-4*1	PCP:BLADE UNIT, B-3202H-8	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-60P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-59Z	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-8	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AVIAT (PITTS)

Model: S-2S
Trade Name: PITTS
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-4CF
Propeller T.C.: P-920
Blade Model(s): FC8477
Prop Diameter: 84"

IDS No.: 113 **Rev.:** **Date:** 9/21/2004
Modifier:
Engine: AEIO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +-0.1

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8477	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-59	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
GOVERNOR	F6-59Z	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
COUNTERWEIGHT	B-3202-11	PCP:COUNTERWEIGHT	1	Blade	Blade Component
CWT_SLUG	A-890-15	PCP:SLUG, COUNTERWEIGHT	1	Blade	Blade Component
CWT_SLUG	B-3384-10H	BOLT, 1/4-28, HEX HEAD	2	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AVIONS MUDRY

Model: CAP 20
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YK-4F
Propeller T.C.: P-920
Blade Model(s): FC7666A*1
Prop Diameter: 76"

IDS No.: 669 **Rev.:** **Date:** 11/11/2002
Modifier:
Engine: AIO-360-B1A
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00690	HC-C2YK-4F/FC7666A*1	1	A/C	
BLADE	FC7666A*1	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	C-2513-5	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AVIONS PIERRE ROBIN

Model: HR 100/200
Trade Name:
Aircraft T.C./STC: EASA TC 61
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA
Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2R00034	HC-F2YR-1F/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 115 **Rev.:** **Date:** 7/6/2006

Modifier:
Engine: IO-360-A1D6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Governor:

AVIONS PIERRE ROBIN

Model: HR 100/210
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: BHC-J2YF-1BF
Propeller T.C.: P37EA
Blade Model(s): F7663
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J2F00006	BHC-J2YF-1BF/F7663/SM8	1	A/C	
BLADE	F7663	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-23P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 116 **Rev.:** **Date:** 10/3/2005

Modifier:
Engine: IO-360-C, -D(B)
Power: 210 HP @ 2800 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

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AVIONS PIERRE ROBIN

Model: ROBIN
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8468-6R
Prop Diameter: 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 118 Rev.: Date: 10/2/1992

Modifier:
Engine: O-540-B4B5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468-6R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AVIONS PIERRE ROBIN

Model: ROBIN
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
Prop Diameter: 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 119 Rev.: Date: 4/29/2002

Modifier:
Engine: O-540-C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-2.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00174	HC-C2YK-1BF/F8477-4	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-3A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AVIPRO AIRCRAFT

Model: Bearhawk
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920

IDS No.: 3180 **Rev.:** **Date:** 6/21/2012
Modifier:
Engine: IO-390-X
Power: 210 HP @ 2700 RPM
Placard/Restr: Continuous operation is prohibited above 24" manifold pressure below 2250 RPM, and below 8" manifold pressure between 1950 and 2300 RPM.

Blade Model(s): F8477-4
Prop Diameter: 80"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 10.5 +/- 0.2

Startlock Angle:
Feather/High Angle: 30.0 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R11250	HC-C2YR-1BFP/F8477-4/SM19	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	S-1-22	GOVERNOR ASSEMBLY, S-1-22	1	A/C	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

AVIPRO AIRCRAFT

Model: BEARHAWK
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
Prop Diameter: 80"

IDS No.: 2426 **Rev.:** **Date:** 3/9/2004
Modifier:
Engine: O-540-A4A5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +/-0.2

Startlock Angle: NA
Feather/High Angle: 31.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00082	HC-C2YR-1BF/F8477-4/SM19	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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AYRES

Model: S-2R
Trade Name: TURBO THRUSH
Aircraft T.C./STC: SA00902CH
Propeller Model: HC-B3TW-3
Propeller T.C.: P15EA

IDS No.: 1862 **Rev.:** 3 **Date:** 6/4/2013
Modifier: TURBINE CONVERSIONS, LTD
Engine: M601E-11
Power: 777 HP @ 2080 RPM
Placard/Restr: Propeller blades must be shot peened between stations 7.0 AND 24.0 on both face and camber sides

Blade Model(s): T10282NS+4
Prop Diameter:

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3W10002S	HC-B3TW-3/T10282NS+4/D-3434-6P	1	A/C	
BLADE	T10282NS+4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-3434-6	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-6P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	A-3254	STUD, MOUNTING, 9/16-18	8	Prop	
MTG BOLT/STUD	B-7458	NUT,9/16-18,HEX,SELF-LOCKING	8	Prop	

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AYRES

Model: S-2R
Trade Name: TURBO THRUSH
Aircraft T.C./STC: STC-SA4039SW
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282
 T10282N
Prop Diameter: 102.0"

IDS No.: 127 **Rev.:** 1 **Date:** 6/4/2013
Modifier: PAGE INDUSTRIES
Engine: LTP-101-600A
Power: 600 HP @ 1950 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -5.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 90.0 +-0.5
Cwt Angle: 3.0 +-2.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10282	BLADE	3	Prop	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

AYRES

Model: S-2R-T()
Trade Name: TURBO THRUSH
Aircraft T.C./STC: STC (SOUTH AFRICA)
Propeller Model: HC-B3TN-3AE
Propeller T.C.: P15EA

IDS No.: 1633 **Rev.:** 2 **Date:** 11/1/2013
Modifier: ORSMOND AERIAL SPRAYING
Engine: PT6A-61
Power: 845 HP @ 2000 RPM
Placard/Restr: Maximum allowable reverse blade angle is -16 degrees at 42 inch radius.

Blade Model(s): T10290N
Prop Diameter: 102" max. refer to STC for min.

Notes:

Prop Setup:

Ref. Radius: 42"
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 10.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 78.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10544	HC-B3TN-3AE/T10290N	1	A/C	
BLADE	T10290N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-3434-12	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-12P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AYRES

Model: S-2R
Trade Name: TURBO THRUSH
Aircraft T.C./STC: STC SA3927WE
Propeller Model: HC-B3TN-5E
Propeller T.C.: P15EA
Blade Model(s): T10282N+4
Prop Diameter: 106.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -3.0 +-0.5
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 128 **Rev.:** 2 **Date:** 6/4/2013

Modifier: FLOYD D. STILWELL

Engine: TPE331-1()

Power: 665 HP @ 2000 RPM

Placard/Restr:

Notes: STC could also be SA3227WE with TPE331-25() engines.

Startlock Angle: 2.5 +-0.1

Feather/High Angle: 90.0 +-0.5

Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10726S	HC-B3TN-5E/T10282N+4/C-3043-2P	1	A/C	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3043-2P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AYRES

Model: S-2R
Trade Name: TURBO THRUSH
Aircraft T.C./STC: STC-SA5953NM

Propeller Model: HC-B3TN-5C, -5M
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
Prop Diameter: 106.5" TO 102.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle:

IDS No.: 131 **Rev.:** 2 **Date:** 6/4/2013
Modifier: GOERING AIRCRAFT
Engine: TPE331-1-151(A,G,K), -2-201(A,C), -5-252(B,M)
Power: 665 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.0 +-0.2
Feather/High Angle: 81.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10909	HC-B3TN-5M/T10282N+4	1	A/C	
PROPELLER	B3N10912S	HC-B3TN-5M/T10282N+4/C-3043-2P			
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3043-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3043-2P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3043-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3043-3P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AYRES

Model: S-2R
Trade Name: TURBO THRUSH
Aircraft T.C./STC: STC-SA5953NM
Propeller Model: HC-B4TN-5NL
Propeller T.C.: P40EA

Blade Model(s): LT10890N
Prop Diameter: 109.5"

Prop Setup:

Ref. Radius: 42
Reverse Angle: -11.5 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1793 **Rev.:** 3 **Date:** 9/8/2011
Modifier: GOERING AIRCRAFT
Engine: TPE331-5-252
Power: 776 HP @ 1591 RPM
Placard/Restr: Stabilized ground operation is prohibited below 1082 (68%) RPM and between 1352 (85%) and 1464 (92%) RPM

Notes:

Startlock Angle: -1.4 +-0.1
Feather/High Angle: 81.2 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10982	HC-B4TN-5NL/LT10890N	1	A/C	
PROPELLER	B4N10982S	HC-B4TN-5NL/LT10890N/D-3434-7P	1	A/C	
PROPELLER	B4N10982SKD	HC-B4TN-5NL/LT10890N/D-3434-7P	1	A/C	
BLADE	LT10890N	BLADE UNIT, ALUMINUM [1,3,1]	4	Prop	
SPINNER	D-3434-7	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-7P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AYRES

Model: S-2R
Trade Name: TURBO THRUSH
Aircraft T.C./STC: STC-SA5953NM
Propeller Model: HC-B3TN-5V
Propeller T.C.: P15EA
Blade Model(s): T10290N+2
Prop Diameter: 104" max. refer. to STC for min.

Prop Setup:

Ref. Radius 42"
Reverse Angle: -15.5 +-0.5
Low Pitch Angle:

IDS No.: 1542 **Rev.:** 2 **Date:** 11/1/2013
Modifier: GOERING AIRCRAFT
Engine: TPE331-1, -2, -5
Power: 665 HP @ 2000 RPM
Placard/Restr:
Notes: Maximum allowable reverse blade angle is -16 degrees at 42 inch radius.

Startlock Angle: 1.0 +-0.2
Feather/High Angle: 78.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N11657S	HC-B3TN-5V/T10290N+2/C-3043-2P	1	A/C	
BLADE	T10290N+2	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3043-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3043-2P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3043-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3043-3P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

AYRES

Model: S-2R
Trade Name: TURBO THRUSH
Aircraft T.C./STC: STC-SA8685SW
Propeller Model: HC-B3TN-5C, -5M
Propeller T.C.: P15EA
Blade Model(s): T10282+4
T10282N+4
Prop Diameter: 106.5" TO 102.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle:

IDS No.: 132 **Rev.:** 2 **Date:** 6/4/2013
Modifier: AAA FLYING SERVICE
Engine: TPE331-1-151(A,G,K), -2-201A
Power: 600 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.0 +-0.2
Feather/High Angle: 81.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AYRES

Model: S-2R-G1
Trade Name: TURBO THRUSH
Aircraft T.C./STC: STC-SA3237WE
Propeller Model: HC-B3TN-5M
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
Prop Diameter: 106.0" TO 98.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -6.0 +-0.5
Low Pitch Angle:

IDS No.: 1072 **Rev.:** 2 **Date:** 6/4/2013
Modifier: AYRES CORPORATION
Engine: TPE331-1-151A
Power: 665 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.0 +-0.1
Feather/High Angle: 89.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	D-3434-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-1P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

AYRES

Model: S-2R-G5, -G10
Trade Name: TURBO THRUSH
Aircraft T.C./STC: A4SW
Propeller Model: HC-B4TN-5NL
Propeller T.C.: P40EA
Blade Model(s): LT10890N*1
Prop Diameter: 109.5" TO 107.5"

IDS No.: 1181 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: TPE331-5 (TPE-331-10, S2R-G10)
Power: 900 HP @ 1591 RPM
Placard/Restr: See 8110-3 dated 12/7/95
Notes: Engine Ratings Note: TPE331-5 (750hp)
 Blades are to have tip stripes on camber side only

Prop Setup:

Ref. Radius: 42
Reverse Angle: -11.5 +-0.5
Low Pitch Angle: NA

Startlock Angle: -1.4 +-0.1
Feather/High Angle: 81.2 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10984S	HC-B4TN-5NL/LT10890N[*1]/+SPIN	1	A/C	
BLADE	LT10890N*1	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
SPINNER	D-3434-7P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AYRES

Model: S-2R-T11
Trade Name: TURBO THRUSH
Aircraft T.C./STC: A4SW, A3SW
Propeller Model: HC-B3TN-3C
Propeller T.C.: P15EA
Blade Model(s): T10282
 T10282N
Prop Diameter: 102.0" TO 92.5

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +-1.0
Low Pitch Angle: 16.0 +-0.1

IDS No.: 120 **Rev.:** 2 **Date:** 6/4/2013
Modifier:
Engine: PT6A-11AG
Power: 500 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 89.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282	BLADE	3	Prop	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AYRES

Model: S-2R-T11, -T15, -T34
Trade Name: TURBO THRUSH
Aircraft T.C./STC: A4SW
Propeller Model: HC-B3TN-3C, -3D
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
Prop Diameter: 106.5" TO 98.0" *

Prop Setup:

Ref. Radius 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 123 **Rev.:** 3 **Date:** 6/4/2013
Modifier:
Engine: PT6A-34(AG), -36, 41(AG)
Power: 750 HP @ 2200 RPM
Placard/Restr:
Notes: Engine Ratings Note: PT6A-11AG
 (500hp), PT6A-15AG, -27 (680hp)

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10452	HC-B3TN-3D/T10282N+4	1	A/C	
PROPELLER	B3N10452KD	HC-B3TN-3D/T10282N+4	1	A/C	
PROPELLER	B3N10452S	HC-B3TN-3D/T10282N+4/D3434-12P	1	A/C	Prop, less packaging
PROPELLER	B3N10452SAFM	HC-B3TN-3D/T10282N+4/D3434-12P	1	A/C	Prop, includes packaging
PROPELLER	B3N10452SKD	HC-B3TN-3D/T10282N+4/D3434-12P	1	A/C	
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	D-3434-12	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-12P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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AYRES

Model: S-2R-T15
Trade Name: TURBO THRUSH
Aircraft T.C./STC: A4SW, A3SW
Propeller Model: HC-B3TN-3C
Propeller T.C.: P15EA
Blade Model(s): T10282
 T10282N
Prop Diameter: 102.0" TO 92.5"

IDS No.: 121 **Rev.:** 2 **Date:** 6/4/2013
Modifier:
Engine: PT6A-15AG
Power: 680 HP @ 2200 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +-1.0
Low Pitch Angle: 16.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 89.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282	BLADE	3	Prop	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AYRES

Model: S-2R-T34
Trade Name: TURBO THRUSH
Aircraft T.C./STC: A4SW, A3SW
Propeller Model: HC-B3TN-3C
Propeller T.C.: P15EA
Blade Model(s): T10282
 T10282N

Prop Diameter: 102.0" TO 92.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -11.0 +-1.0
Low Pitch Angle: 16.0 +-0.1

IDS No.: 122 **Rev.:** 2 **Date:** 6/4/2013
Modifier:
Engine: PT6A-34AG
Power: 750 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 89.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10340	HC-B3TN-3C/T10282N	1	A/C	
BLADE	T10282	BLADE	3	Prop	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-3434-12	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AYRES

Model: S-2R-1340, -G(5,6,10), -R3S, -R1820, -T(6,11,15,34,45,65)

Trade Name: TURBO THRUSH

Aircraft T.C./STC: STC-SA00172SE

Propeller Model: HC-B4TN-5PL

Propeller T.C.: P40EA

Blade Model(s): LT10890N

Prop Diameter: 109.5"

IDS No.: 1180

Rev.: 1

Date: 1/10/2011

Modifier: AG AIR SYSTEMS

Engine: TPE331-5, -10

Power: 900 HP @ 1591 RPM

Placard/Restr: See 8110-3 dated 11/10/95

Notes: Engine Ratings Note: TPE331-5 (750hp) Blades are to have tip stripes on both sides; B4N10985() uses D-3434-7(P) spinner, B4N10986() uses C-3410(P) spinner.

Prop Setup:

Ref. Radius: 42

Reverse Angle: -11.5 +-0.5

Low Pitch Angle: NA

Startlock Angle: -1.4 +-0.1

Feather/High Angle: 81.2 +-0.5

Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10985	HC-B4TN-5PL/LT10890N	1	A/C	
PROPELLER	B4N10985KD	HC-B4TN-5PL/LT10890N	1	A/C	
PROPELLER	B4N10985S	HC-B4TN-5PL/LT10890N/D-3434-7P	1	A/C	
PROPELLER	B4N10985SKD	HC-B4TN-5PL/LT10890N/D-3434-7P	1	A/C	
PROPELLER	B4N10986S	HC-B4TN-5PL/LT10890N/C-3410-P	1	A/C	
BLADE	LT10890N	BLADE UNIT, ALUMINUM [1,3,1]	4	Prop	
SPINNER	C-3410	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3410P	IDS Item	1	Prop	
SPINNER	D-3434-7	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-7P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3663-2	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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AYRES

Model: S-2R-1340, -G(5,6,10), -R3S, -R1820, -T(6,11,15,34,45,65)

Trade Name: TURBO THRUSH

Aircraft T.C./STC: STC-SA00172SE

Propeller Model: HC-B4TN-5NL

Propeller T.C.: P40EA

Blade Model(s): LT10890N

Prop Diameter: 109.5"

Prop Setup:

Ref. Radius: 42

Reverse Angle: -11.5 +-0.5

Low Pitch Angle: NA

IDS No.: 1725

Rev.: 3

Date: 9/8/2011

Modifier: AG AIR SYSTEMS

Engine: TPE331-5, -10

Power: 900 HP @ 1591 RPM

Placard/Restr: See 8110-3 dated 11/10/95

Notes: Engine Ratings Note: TPE331-5 (750hp)

Startlock Angle: -1.4 +-0.1

Feather/High Angle: 81.2 +-0.5

Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10982	HC-B4TN-5NL/LT10890N	1	A/C	
PROPELLER	B4N10982S	HC-B4TN-5NL/LT10890N/D-3434-7P	1	A/C	
PROPELLER	B4N10982SKD	HC-B4TN-5NL/LT10890N/D-3434-7P	1	A/C	
BLADE	LT10890N	BLADE UNIT, ALUMINUM [1,3,1]	4	Prop	
SPINNER	D-3434-7	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-7P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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AYRES

Model: S-2R-G6
Trade Name: TURBO THRUSH
Aircraft T.C./STC: A4SW
Propeller Model: HC-B3TN-5M
Propeller T.C.: P15EA
Blade Model(s): T10282N+4
Prop Diameter: 106.5" TO 102.0"

IDS No.: 130 **Rev.:** 2 **Date:** 6/4/2013

Modifier:
Engine: TPE331-6
Power: 700 HP @ 2000 RPM
Placard/Restr:

Notes: Prior to installing blades, install 3 ea B-3384-8H Bolts through the spinner mounting plate holes which are blocked by the blade clamps. (Otherwise the prop will need to be dis-assembled in order to mount the spinner.)

Prop Setup:

Ref. Radius: 30
Reverse Angle: -6.0 +-0.5
Low Pitch Angle:

Startlock Angle: 2.0 +-0.1
Feather/High Angle: 89.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10910	HC-B3TN-5M/T10282N+4	1	A/C	
PROPELLER	B3N10910S	HC-B3TN-5M/T10282N+4/D-3434-1P	1	A/C	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	D-3434-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-8H	BOLT, 1/4-28, HEX HEAD	9	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	9	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	9	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AYRES

Model: S-2RHG-T65
Trade Name: TURBO THRUSH
Aircraft T.C./STC: A4SW, A3SW
Propeller Model: HC-B5MP-3C
Propeller T.C.: P44GL
Blade Model(s): M10876ANS
 M10876AS
Prop Diameter: 111.2" TO 110.7"

IDS No.: 125 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: PT6A-60AG AND -65AG
Power: 1230 HP @ 1700 RPM
Placard/Restr: See vibration approval
Notes: -60AG engine is approved with this propeller for a/c s/n T65HG-013DC and up; Blades are shot peened from 7" thru 30" station

Prop Setup:

Ref. Radius: 42
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 11.5 +-0.1

Startlock Angle: NA
Feather/High Angle: 79.0 +-0.5
Cwt Angle: 2.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10120	HC-B5MP-3C/M10876ANS			
PROPELLER	B5P10120S	HC-B5MP-3C/M10876ANS/D-3434-8			
PROPELLER	B5P10120SKD	HC-B5MP-3C/M10876ANS/D-3434-8			
PROPELLER	B5P10121KD	HC-B5MP-3C/M10876ANS/BULK			
BLADE	M10876ANS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10876AS	BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-3434-8	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-8P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3343	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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AYRES

Model: S-2R-T65
Trade Name: TURBO THRUSH
Aircraft T.C./STC: A4SW, A3SW
Propeller Model: HC-B5MP-3C
Propeller T.C.: P44GL

Blade Model(s): M10876ANS
M10876AS

Prop Diameter: 111.2" TO 110.7"

Prop Setup:

Ref. Radius: 42
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 11.5 +-0.1

IDS No.: 124 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: PT6A-65AG
Power: 1230 HP @ 1700 RPM
Placard/Restr: See 8110-3 dated July 5, 1995 for restrictions.
Notes: Blades are shot peened from 7" thru 30" station.

Startlock Angle: NA
Feather/High Angle: 79.0 +-0.5
Cwt Angle: 2.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10120S	HC-B5MP-3C/M10876ANS/D-3434-8	1	A/C	
PROPELLER	B5P10120SKD	HC-B5MP-3C/M10876ANS/D-3434-8	1	A/C	
PROPELLER	B5P10121KD	HC-B5MP-3C/M10876ANS/BULK	1	A/C	
PROPELLER	B5P10130S	HC-B5MP-3C/M10876ANS/D-3434-8P	1	A/C	
PROPELLER	B5P10130SKD	HC-B5MP-3C/M10876ANS/D-3434-8P	1	A/C	
BLADE	M10876ANS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10876AS	BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-3434-8	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-8P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3343	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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BAE (JETSTREAM)

Model: 137
Trade Name: JETSTREAM
Aircraft T.C./STC: STC SA2293SW
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282B-6
 T10282NB-6
Prop Diameter: 96.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -14.0 +-0.5
Low Pitch Angle: 16.0 +-0.2

IDS No.: 572 **Rev.:** 2 **Date:** 6/4/2013
Modifier: JETSTREAM, INC.
Engine: PT6A-34
Power: 750 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 89.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282B-6	IDS*ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10282NB-6	IDS ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-095	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BAE (JETSTREAM)

Model: 137
 Trade Name: JETSTREAM
 Aircraft T.C./STC: STC SA3425WE
 Propeller Model: HC-B3TN-5E
 Propeller T.C.: P15EA
 Blade Model(s): T10178NBR
 Prop Diameter: 101.5"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: -6.0 +-0.25
 Low Pitch Angle:

IDS No.: 573 Rev.: 2 Date: 6/4/2013
 Modifier: CAMERON & STAHL
 Engine: TPE331-3U-303V
 Power: 840 HP @ 2000 RPM
 Placard/Restr:
 Notes:

Startlock Angle: 2.0 +-0.25
 Feather/High Angle: 87.5 +-0.5
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10178NBR	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3043-3P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

BAE (JETSTREAM)

Model: 137
 Trade Name: JETSTREAM
 Aircraft T.C./STC: STC SA3425WE
 Propeller Model: HC-B3TN-5K
 Propeller T.C.: P15EA
 Blade Model(s): T10178N-4R
 T10178NB-4R
 Prop Diameter: 97.5"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: -6.0 +-0.25
 Low Pitch Angle:

IDS No.: 574 Rev.: 1 Date: 1/7/2011
 Modifier: CAMERON & STAHL
 Engine: TPE331-3U-303V
 Power: 840 HP @ 2000 RPM
 Placard/Restr:
 Notes:

Startlock Angle: 2.0 +-0.25
 Feather/High Angle: 87.5 +-0.5
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10178N-4R	IDS ITEM, BLADE	3	Prop	
BLADE	T10178NB-4R	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3043-3P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BAE (SCOTTISH AVIATION)

Model: B.125
 Trade Name: BULLDOG
 Aircraft T.C./STC: Unknown
 Propeller Model: HC-C2YR-4BF
 Propeller T.C.: P-920
 Blade Model(s): FC7666A-2
 Prop Diameter: 74"

IDS No.: 935 Rev.: Date: 4/28/2000
 Modifier:
 Engine: IO-360-A1B6
 Power: 200 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 14.0 +-0.1

Startlock Angle: NA
 Feather/High Angle: 28.0 +-1.0
 Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R00190	HC-C2YR-4BF/FC7666A-2	1	A/C	
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	835-41	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2513-5	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

BAE (SCOTTISH AVIATION)

Model: B.206 SERIES 2
 Trade Name: BEAGLE
 Aircraft T.C./STC: A11EU
 Propeller Model: HC-A3VF-2D
 Propeller T.C.: P6EA
 Blade Model(s): V8433
 V8833N
 Prop Diameter: 88.375" TO 86.375"

IDS No.: 2327 Rev.: Date: 11/24/2003
 Modifier:
 Engine: GTSIO-520-C
 Power: 340 HP @ 2400 RPM
 Placard/Restr:
 Notes:

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 14.9 +-0.1

Startlock Angle: 18.5 +-1.5
 Feather/High Angle: 85.0 +-1.0
 Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433	BLADE	3	Prop	
BLADE	V8833N	BLADE UNIT	3	Prop	
SPINNER	835-29	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-31P	SPINNER ASSEMBLY	1	Prop	w/ Anti-icing
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-3H	BOLT, 1/4-28, HEX HEAD	2	Blade	
DE-ICER	C-2131-6	BOOT, ANTI-ICING	1	Blade	Blade Component
DE-ICE KIT_PR	A-2588	ANTI-ICING - KIT	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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BAE (SCOTTISH AVIATION)

Model: B.206 SERIES 2
Trade Name: BEAGLE
Aircraft T.C./STC: A11EU
Propeller Model: HC-A3MVF-2D
Propeller T.C.: P6EA
Blade Model(s): MV8833N
MV8833NB
Prop Diameter: 88.375" TO 86.375"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.9 +-0.1

IDS No.: 936 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: GTSIO-520-C
Power: 340 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 85.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3F10084	HC-A3MVF-2D/MV8833N	2	A/C	
BLADE	MV8833N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	MV8833NB	IDS ITEM, BLADE, C-2131-6 BOOT	3	Prop	
SPINNER	835-29	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-31P	SPINNER ASSEMBLY	1	Prop	w/ Anti-icing
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-3H	BOLT, 1/4-28, HEX HEAD	2	Blade	
DE-ICER	C-2131-6	BOOT, ANTI-ICING	1	Blade	Blade Component
DE-ICE KIT_PR	A-2588	ANTI-ICING - KIT	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

BAE (SCOTTISH AVIATION)

Model: B.206 SERIES 2
Trade Name: BEAGLE
Aircraft T.C./STC: Unknown
Propeller Model: HC-A3VF-2D
Propeller T.C.: P6EA
Blade Model(s): V8833N-2Q
Prop Diameter: 86.375"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.9 +-0.1

IDS No.: 2298 **Rev.:** **Date:** 11/21/2003
Modifier:
Engine: GTSIO-520-C
Power: 340 HP @ 2400 RPM
Placard/Restr:
Notes: Field Approval

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 85.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8833N-2Q	BLADE UNIT	3	Prop	
SPINNER	835-31P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-3H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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BAE (SCOTTISH AVIATION)

Model: B.206 SERIES 2
Trade Name: BEAGLE
Aircraft T.C./STC: Unknown
Propeller Model: HC-A3MVF-2D
Propeller T.C.: P6EA
Blade Model(s): MV8833N-2Q
Prop Diameter: 86.375"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.9 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1522 **Rev.:** **Date:** 3/24/1998
Modifier:
Engine: GTSIO-520-C
Power: 340 HP @ 2400 RPM
Placard/Restr:
Notes: Field Approval

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 85.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3F10086	HC-A3MVF-2D/MV8833N-2Q	2	A/C	
BLADE	MV8833N-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-31P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-3H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

BAUGER

Model: SAIL PLANE
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-82XL-2, HC-A2XL-2
Propeller T.C.: P24EA
Blade Model(s): 7636-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2081 **Rev.:** **Date:** 11/21/2003
Modifier:
Engine: O-290-D
Power: 125 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 79.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	2	Prop	

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BAUGER

Model: SAIL PLANE
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-82VL-2, HC-A2VL-2
Propeller T.C.: P24EA
Blade Model(s): V7636N-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636N-4	BLADE	2	Prop	

IDS No.: 2082 Rev.: Date: 11/21/2003

Modifier:
Engine: O-290-D
Power: 125 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 79.0 +-1.0
Cwt Angle:

Non-HPI Governor:

BAUGER

Model: SAIL PLANE
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-A2MVL-2
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	

IDS No.: 134 Rev.: Date: 5/13/1998

Modifier:
Engine: O-290-D
Power: 125 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 79.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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BEDE

Model: BD-4
Trade Name:
Aircraft T.C./STC: EXPERIMENTAL
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A
F7666A-4
Prop Diameter: 76-72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00682	HC-C2YR-1BF/F7666A	1	A/C	
PROPELLER	C2R00691	HC-C2YR-1BF/F7666A-4	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F7666A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-33P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2726 **Rev.:** **Date:** 7/7/2009
Modifier:
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +/-1.0
Cwt Angle:

Non-HPI Governor:

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BEECH

Model: A36, A36TC
Trade Name: BONANZA
Aircraft T.C./STC: SA3523NM
Propeller Model: HC-B3TF-7A
Propeller T.C.: P15EA
Blade Model(s): T9212NK-2
Prop Diameter: 90"

IDS No.: 2632 **Rev.:** 2 **Date:** 9/20/2011
Modifier: TRADEWIND TURBINES
Engine: 250-B17C
Power: 425 HP @ 2030 RPM
Placard/Restr:
Notes: *67-510-1 de-ice kit is eligible for props with 250-B17C engines only. This STC was formerly held by Soloy and is now held by Turbine Power Co, who has licensed its use to Tradewind Turbines. (same as 201)

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle:

Startlock Angle:
Feather/High Angle: 86.2 +-0.5
Cwt Angle: 1.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3F10093	HC-B3TF-7A/T9212NK-2	1	A/C	
PROPELLER	B3F10093S	HC-B3TF-7A/T9212NK-2/835-39EP	1	A/C	
BLADE	T9212NK-2	T9212N-2 BLADE,4H2200-10 BOOT	3	Prop	
SPINNER	835-39EP	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3491	SPINNER - MTG KIT	1	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-3	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	7931-67-510-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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BEECH

Model: E55, E55A
Trade Name: BARON
Aircraft T.C./STC: STC-SA773CE
Propeller Model: BHC-J2YF-2C(F)
Propeller T.C.: P37EA
Blade Model(s): FC8475-6
Prop Diameter: 78" TO 76"

IDS No.: 2421 **Rev.:** **Date:** 9/12/2005
Modifier: HARTZELL PROPELLER
Engine: IO-520-C
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: Use C-2285-4(P) OR C-2285-5(P) with air conditioned installation. Use C-2285-1(P) OR C-2285-6(P) with non-air conditioned installation.

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +/-0.1

Startlock Angle: 20.0 +/-1.5
Feather/High Angle: 80.0 +/-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J2F00060	BHC-J2YF-2CUF/FC8475-6/SM8	2	A/C	
BLADE	FC8475-6	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
SPINNER	C-2285-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: 95-55, 95-(A)(B)55, 95-B55A, 95-B55B
Trade Name: Baron
Aircraft T.C./STC: SA01463WI
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7391D
Prop Diameter: 75" to 73.5"

IDS No.: 2963 **Rev.:** 2 **Date:** 7/20/2011
Modifier: Hartzell Propeller
Engine: IO-470-L
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: N/A
Low Pitch Angle: 12.0 +/- 0.2

Startlock Angle: 18.0 +/-1.0
Feather/High Angle: 80 +/- 0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: Woodward

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00160	PHC-C3YF-2UF/FC7391D/SM9	2	A/C	
PROPELLER	C3F00160KD	PHC-C3YF-2UF/FC7391D/SM9	2	A/C	
BLADE	FC7391D	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	C-3567-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7167-2 hub only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7167-12 hub only

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BEECH

Model: C18S [(C-45(A, F), UC-45(B, F), AT-7 (A, B, C), JRB-(1, 2, 3, 4), SNB-2(C))]

Trade Name: TWIN BEECH

Aircraft T.C./STC: A757

Propeller Model: HC-B3R30-2E(A)

Propeller T.C.: P28EA

Blade Model(s): R10152-5.5
R10152B-5.5
R10152N-5.5
R10152NB-5.5

Prop Diameter: 95.5" NO CUT OFF

Prop Setup:

Ref. Radius 30
NA

Reverse Angle:

Low Pitch Angle: 17.0 +0.2

IDS No.: 135

Rev.: 1

Date: 1/7/2011

Modifier:

Engine: WASP JR., R-985 SERIES

Power: 450 HP @ 2300 RPM

Placard/Restr: No continuous operation from 1500-1700 and 2100-2275 RPM

Notes: 836-32SPR spinner replaces 836-16 & 17S specified in A757

Startlock Angle: BLADES MUST BE WITHIN 0.5 DEGREE

Feather/High Angle: 87.0 +0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3300029	HC-B3R30-2EA/R10152-5.5			REPLACED BY B3310029(KD)
PROPELLER	B3300030	HC-B3R30-2EA/R10152NB-5.5			
PROPELLER	B3310029	HC-B3R30-2EA/R10152N-5.5			
PROPELLER	B3310029KD	HC-B3R30-2EA/R10152N-5.5			
BLADE	R10152-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	REPLACED BY R10152N-5.5
BLADE	R10152B-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	REPLACED BY R10152NB-5.5
BLADE	R10152N-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	R10152NB-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C3	GOVERNOR ASSEMBLY, C-3(-)	1	Prop	
DE-ICER	C-2131-1	BOOT, ANTI-ICING	1	Blade	Blade Component
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

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BEECH

Model: C-45G,H; TC-45G,H,J; RC-45J

Trade Name: TWIN BEECH

Aircraft T.C./STC: A765

Propeller Model: HC-B3(Z,W)30-2E

Propeller T.C.:

Blade Model(s): 10152-5.5
10152N-5.5

Prop Diameter: 95.5" NO CUT OFF

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 17.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 138

Rev.:

Date: 10/2/1992

Modifier:

Engine: R985-AN-14B

Power: 450 HP @ 2300 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 87.0 +-0.5

Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10152-5.5	BLADE	3	Prop	
BLADE	10152N-5.5	BLADE	3	Prop	
SPINNER	836-16	IDS Item	1	Prop	Can be used with 10152B also
SPINNER	836-17S	IDS Item	1	Prop	used with 10152B only
GOVERNOR	C3	GOVERNOR ASSEMBLY, C-3-()	1	Prop	

BEECH

Model: C-45G,H; TC-45G,H,J; RC-45J

Trade Name: TWIN BEECH

Aircraft T.C./STC: A765

Propeller Model: HC-B3(Z,W)30-2E

Propeller T.C.:

Blade Model(s): 10160-6
10160N-6

Prop Diameter: 95" NO CUT OFF

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 17.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 139

Rev.:

Date: 10/2/1992

Modifier:

Engine: R985-AN-14B

Power: 450 HP @ 2300 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 87.0 +-0.5

Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10160-6	IDS Item	3	Prop	
BLADE	10160N-6	IDS Item	3	Prop	
SPINNER	836-16	IDS Item	1	Prop	Can be used with 10160B also
SPINNER	836-17	IDS Item	1	Prop	used with 10160B only
GOVERNOR	C3	GOVERNOR ASSEMBLY, C-3-()	1	Prop	

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BEECH

Model: D18S,E18S,G18S,H18; 3N,3NM,3TM

Trade Name: TWIN BEECH

Aircraft T.C./STC: A765

Propeller Model: HC-B3(Z,W)30-2E

Propeller T.C.:

Blade Model(s): 10160-6
10160N-6

Prop Diameter: 95" NO CUT OFF

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 17.0 +-0.2

IDS No.: 137

Rev.:

Date: 10/2/1992

Modifier:

Engine: R985-AN-14B

Power: 450 HP @ 2300 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 87.0 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10160-6	IDS Item	3	Prop	
BLADE	10160N-6	IDS Item	3	Prop	
SPINNER	836-16	IDS Item	1	Prop	Can be used with 10160B also
SPINNER	836-17	IDS Item	1	Prop	used with 10160B only
GOVERNOR	C3	GOVERNOR ASSEMBLY, C-3(-)	1	Prop	

BEECH

Model: D18S,E18S,G18S,H18; 3NM,3N,3TM

Trade Name: TWIN BEECH

Aircraft T.C./STC: A-765

Propeller Model: HC-B3(P,R,W,Z)30-2E

Propeller T.C.: See Notes

Blade Model(s): 10152-5.5
10152N-5.5

Prop Diameter: 95.5" NO CUT OFF

IDS No.: 136

Rev.:

Date: 3/5/2010

Modifier:

Engine: R985-AN-14B

Power: 450 HP @ 2300 RPM

Placard/Restr:

Notes: TC NO.: P2EA, date: 12/9/61 for W; TC NO.: P28EA, date: 3/31/67 for R; TC NO.: P29EA, date: 7/6/67 for P; TC NO.: P907, date: 12/22/59 for Z. HC-B3W30-2E not approved on 3N, 3NM & 3TM.

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 17.0 +-0.2

Startlock Angle: NA

Feather/High Angle: 87.0 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10152-5.5	BLADE	3	Prop	
BLADE	10152N-5.5	BLADE	3	Prop	
SPINNER	836-16	IDS Item	1	Prop	Can be used with 10152B also
SPINNER	836-17S	IDS Item	1	Prop	used with 10152B only
GOVERNOR	C3	GOVERNOR ASSEMBLY, C-3(-)	1	Prop	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

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BEECH

Model: C18S [(C-45(A,F), UC-45(B,F), AT-7(A,B,C), JRB-(1,2,3,4), SNB-2(C)

Trade Name: TWIN BEECH

Aircraft T.C./STC: A757

Propeller Model: HC-B3W30-2E(A)

Propeller T.C.: P2EA

Blade Model(s): W10152-5.5
W10152N-5.5
W10152NB-5.5

Prop Diameter: 95.5" NO CUT OFF

Prop Setup:

Ref. Radius 30
NA

Reverse Angle:

Low Pitch Angle: 17.0 +0.2

IDS No.: 2676

Rev.: 1

Date: 1/10/2011

Modifier:

Engine: WASP JR., R-985 SERIES

Power: 450 HP @ 2300 RPM

Placard/Restr: No continuous operation from 1500-1700 and 2100-2275 RPM.

Notes: 836-32SPR spinner replaces 836-16 & 17S specified in A757

Startlock Angle: BLADES MUST BE WITHIN 0.5 DEGREE

Feather/High Angle: 87.0 +0.5

Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	W10152-5.5	IDS ITEM, BLADE	3	Prop	W10152N-5.5
BLADE	W10152N-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	W10152NB-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C3	GOVERNOR ASSEMBLY, C-3- ()	1	Prop	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

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BEECH

Model: C18S [(C-45(A,F), UC-45(B,F), AT-7(A,B,C), JRB-(1,2,3,4), SNB-2(C)

Trade Name: TWIN BEECH

Aircraft T.C./STC: A757

Propeller Model: HC-B3Z30-2EA

Propeller T.C.: P-907

Blade Model(s): 10152N-5.5
10152NB-5.5

Prop Diameter: 95.5" NO CUT OFF

Prop Setup:

Ref. Radius 30
NA

Reverse Angle:

Low Pitch Angle: 17.0 +0.2

IDS No.: 2677

Rev.: 1

Date: 1/10/2011

Modifier:

Engine: WASP JR., R-985 SERIES

Power: 450 HP @ 2300 RPM

Placard/Restr: No continuous operation from 1500-1700 and 2100-2275 RPM.

Notes: 836-32SPR spinner replaces 836-16 & 17S specified in A757

Startlock Angle: BLADES MUST BE WITHIN 0.5 DEGREE

Feather/High Angle: 87.0 +0.5

Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10152N-5.5	BLADE	3	Prop	
BLADE	10152NB-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C3	GOVERNOR ASSEMBLY, C-3-()	1	Prop	
DE-ICER	C-2131-1	BOOT, ANTI-ICING	1	Blade	BLADE COMPONENT
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

BEECH

Model: C18S, AT-11

Trade Name: TWIN BEECH

Aircraft T.C./STC: STC-SA1-50

Propeller Model: HC-(9,B)3(Z,W,P,R)30-2C, -2E

Propeller T.C.:

Blade Model(s): 10152-5.5
10152N-5.5

Prop Diameter: 95.5" NO CUT OFF

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 17.0 +0.2

IDS No.: 140

Rev.:

Date: 10/2/1992

Modifier: HARTZELL PROPELLER

Engine: R985 (with 4.5 & 9 damper)

Power: 450 HP @ 2300 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 88.0 +0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10152-5.5	BLADE	3	Prop	
BLADE	10152N-5.5	BLADE	3	Prop	
SPINNER	836-32SR	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C1	IDS Item	1	Prop	See STC
GOVERNOR	C2	IDS Item	1	Prop	See STC
GOVERNOR	C3	GOVERNOR ASSEMBLY, C-3-()	1	Prop	

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BEECH

Model: C18S, AT-11
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA1-50
Propeller Model: HC-B3(Z,W)30-2E
Propeller T.C.:
Blade Model(s): 10160-6
10160N-6
Prop Diameter: 95" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10160-6	IDS Item	3	Prop	
BLADE	10160N-6	IDS Item	3	Prop	
SPINNER	836-32SR	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C1	IDS Item	1	Prop	See STC
GOVERNOR	C2	IDS Item	1	Prop	See STC
GOVERNOR	C3	GOVERNOR ASSEMBLY, C-3-()	1	Prop	

IDS No.: 141 **Rev.:** **Date:** 10/2/1992
Modifier: HARTZELL PROPELLER
Engine: R985 (with 4.5 & 9 damper)
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 88.0 +0.5
Cwt Angle: Positive

Non-HPI Governor:

BEECH

Model: D18S, C-45G, C-45H
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA1-118
Propeller Model: HC-(9,B)3(Z,W,P,R)30-2E
Propeller T.C.:
Blade Model(s): 10152-5.5
10152N-5.5
Prop Diameter: 95.5" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10152-5.5	BLADE	3	Prop	
BLADE	10152N-5.5	BLADE	3	Prop	
SPINNER	836-32SR	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C1	IDS Item	1	Prop	See STC
GOVERNOR	C2	IDS Item	1	Prop	See STC
GOVERNOR	C3	GOVERNOR ASSEMBLY, C-3-()	1	Prop	

IDS No.: 142 **Rev.:** **Date:** 10/2/1992
Modifier: HARTZELL PROPELLER
Engine: R985 (with 4.5 & 9 damper)
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 88.0 +0.5
Cwt Angle: Positive

Non-HPI Governor:

HARTZELL

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BEECH

Model: D18S, C-45G, C-45H
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA1-118
Propeller Model: HC-B3(Z,W)30-2E
Propeller T.C.:
Blade Model(s): 10160-6
10160N-6
Prop Diameter: 95" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	10160-6	IDS Item	3	Prop	
BLADE	10160N-6	IDS Item	3	Prop	
SPINNER	836-32SR	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C1	IDS Item	1	Prop	See STC
GOVERNOR	C2	IDS Item	1	Prop	See STC
GOVERNOR	C3	GOVERNOR ASSEMBLY, C-3-()	1	Prop	

IDS No.: 143 **Rev.:** **Date:** 10/2/1992
Modifier: HARTZELL PROPELLER
Engine: R985 (with 4.5 & 9 damper)
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 88.0 +0.5
Cwt Angle: Positive

Non-HPI Governor:

BEECH

Model: 18 SERIES
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA1-174
Propeller Model: HC-93Z30-2C
Propeller T.C.:
Blade Model(s): 10152-5.5
10152N-5.5
Prop Diameter: 95.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	10152-5.5	BLADE	3	Prop	
BLADE	10152N-5.5	BLADE	3	Prop	

IDS No.: 144 **Rev.:** **Date:** 10/2/1992
Modifier: CHAMBERLAIN AV.
Engine: R985
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

HARTZELL

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BEECH

Model: C45
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA3442
Propeller Model: HC-93Z30-2D
Propeller T.C.:
Blade Model(s): 10152-5.5
10152N-5.5
10160-6
10160N-6

Prop Diameter: 95.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10152-5.5	BLADE	3	Prop	
BLADE	10152N-5.5	BLADE	3	Prop	
BLADE	10160-6	IDS Item	3	Prop	
BLADE	10160N-6	IDS Item	3	Prop	

IDS No.: 145 **Rev.:** **Date:** 10/2/1992
Modifier: HAMILTON AIRCRAFT
Engine: R985
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

BEECH

Model: 18, C45
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA4-113
Propeller Model: HC-93Z30-2C
Propeller T.C.:
Blade Model(s): 10152-5.5
10152N-5.5
Prop Diameter: 95.5" MIN

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10152-5.5	BLADE	3	Prop	
BLADE	10152N-5.5	BLADE	3	Prop	
SPINNER	836-16	IDS Item	1	Prop	
GOVERNOR	C3	GOVERNOR ASSEMBLY, C-3(-)	1	Prop	

IDS No.: 146 **Rev.:** **Date:** 10/2/1992
Modifier: AIRLINE TRAINING
Engine: R985-AN4, -AN10, -AN14B
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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BEECH

Model: 18S
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA890CE
Propeller Model: HC-B3WN-2L
Propeller T.C.: P2EA
Blade Model(s): LW10151-3
LW10151N-3
Prop Diameter: 98.4"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: UNKNOWN

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LW10151-3	IDS ITEM, BLADE	3	Prop	REPLACED BY LW10151N-3
BLADE	LW10151N-3	IDS ITEM, BLADE	3	Prop	
SPINNER	836-42	IDS Item	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

IDS No.: 147 **Rev.:** 1 **Date:** 1/7/2011

Modifier: AIR TRANSPORT CORP
Engine: TIGO-541-B1A
Power: 450 HP @ 2133 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: UNKNOWN
Cwt Angle: Positive

Non-HPI Governor:

BEECH

Model: TURBO 18
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA1171WE
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s): T10178-7Q
T10178N-7Q
Prop Diameter: 94"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10178-7Q	IDS ITEM, BLADE	3	Prop	
BLADE	T10178N-7Q	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3043-3	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

IDS No.: 148 **Rev.:** **Date:** 1/9/2004

Modifier: VOLPAR INC.
Engine: TPE331-1-101B
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Governor:

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BEECH

Model: TURBO 18
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA3385WE
Propeller Model: HC-B3TN-5M
Propeller T.C.: P15EA
Blade Model(s): T10178-5Q
 T10178B-5Q
 T10178B-5Q*1
 T10178N-5Q
 T10178NB-5Q
 T10178NB-5Q*1

Prop Diameter: 96.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -9.5 +-0.5
Low Pitch Angle: NA

IDS No.: 159 **Rev.:** 1 **Date:** 1/7/2011
Modifier: VOLPAR INC.
Engine: TPE331-1-101B
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.5 +-0.2
Feather/High Angle: 86.5 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10178-5Q	IDS*ITEM, BLADE	3	Prop	
BLADE	T10178B-5Q	IDS*ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178B-5Q*1	IDS*ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178N-5Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178NB-5Q	BLADE UNIT, ALUMINUM, 4E1188-5	3	Prop	
BLADE	T10178NB-5Q*1	IDS ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
SPINNER	C-3043-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3043-3P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Secondary option (w/ A-890-9)
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Secondary option (w/ A-890-8)
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-093	DE-ICE KIT	1	Prop	-5
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECH

Model: (D,E)18(C,S) (T,C)45(G,H)

Trade Name: TWIN BEECH

Aircraft T.C./STC: STC-SA1016WE

Propeller Model: HC-B3TN-3B

Propeller T.C.: P15EA

Blade Model(s): T10173E-8*1
T10173NE-8*1

Prop Diameter: 93.5"

Prop Setup:

Ref. Radius 30

Reverse Angle: -11.5 +-0.5

Low Pitch Angle: 19.0 +-0.1

IDS No.: 160

Rev.: 1

Date: 1/7/2011

Modifier: HAMILTON A/C CORP

Engine: PT6A-6, -20

Power: 550 HP @ 2200 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 87.0 +-1.0

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10173E-8*1	IDS*ITEM, BLADE	3	Prop	
BLADE	T10173NE-8*1	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3006P	IDS Item	1	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

BEECH

Model: 18

Trade Name: TWIN BEECH

Aircraft T.C./STC: STC-SA793SW

Propeller Model: HC-B3TN-3B

Propeller T.C.: P15EA

Blade Model(s): T10173-5
T10173N-5

Prop Diameter: 96.5" TO 90.4"

Prop Setup:

Ref. Radius 30

Reverse Angle: -14.5 +-0.5

Low Pitch Angle: 14.0 +-0.1

IDS No.: 161

Rev.: 1

Date: 1/7/2011

Modifier: DEE HOWARD

Engine: PT6A-20

Power: 550 HP @ 2200 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 87.0 +-1.0

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10173-5	IDS*ITEM, BLADE	3	Prop	
BLADE	T10173N-5	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECH

Model: B24R
Trade Name: SIERRA
Aircraft T.C./STC: A1CE
Propeller Model: HC-M2YR-1BF
Propeller T.C.: P43GL
Blade Model(s): F7666A-2R
Prop Diameter: 74" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.4 +-0.2

IDS No.: 162 **Rev.:** **Date:** 6/5/2006

Modifier:
Engine: IO-360-A1B6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	M2R00039	HC-M2YR-1BF/F7666A-2R/SM43	1	A/C	
BLADE	F7666A-2R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-43	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: C24R
Trade Name: SIERRA
Aircraft T.C./STC: A1CE
Propeller Model: HC-M2YR-1BF
Propeller T.C.: P43GL
Blade Model(s): F7666A
Prop Diameter: 76" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 163 **Rev.:** **Date:** 6/5/2006

Modifier:
Engine: IO-360-A1B6
Power: 200 HP @ 2700 RPM
Placard/Restr: Avoid cont. ops between 2100 - 2350 RPM
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	M2R00030	HC-M2YR-1BF/F7666A/SM43	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-43	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 35-33,35-(A,B,C)
Trade Name: DEBONAIR
Aircraft T.C./STC: 3A15
Propeller Model: BHC-92ZF-1D1
Propeller T.C.: P-892
Blade Model(s): 8447
8447N

Prop Diameter: 84" TO 82"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 167 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: IO-470-K
Power: 225 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8447	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447N	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	837-3	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-3	IDS Item	1	A/C	
MTG BOLT/STUD	A-1328-2	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

BEECH

Model: 35-C33A, E33A, F33A
Trade Name: BONANZA
Aircraft T.C./STC: 3A15
Propeller Model: PHC-A3VF-4
Propeller T.C.: P6EA
Blade Model(s): V8433-2R
V8433N-2R

Prop Diameter: 82.6" TO 78.25"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.2 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2356 **Rev.:** **Date:** 12/2/2003

Modifier:
Engine: IO-520-B, -BA, -BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.8 +-0.5
Cwt Angle: POSITIVE

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-2R	BLADE	3	Prop	
BLADE	V8433N-2R	BLADE	3	Prop	

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BEECH

Model: 35-C33A,E33A,F33A
Trade Name: BONANZA, DEBONAIR
Aircraft T.C./STC: 3A15
Propeller Model: PHC-A3VF-4
Propeller T.C.: P6EA
Blade Model(s): V8433-4R
V8433N-4R

Prop Diameter: 82.6" TO 78.25"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.2 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2301 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-520-B,-BA,-BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.8 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-4R	BLADE	3	Prop	
BLADE	V8433N-4R	BLADE	3	Prop	
SPINNER	837-8	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	6	Prop	

BEECH

Model: 35-C33A,E33A,F33A
Trade Name: BONANZA, DEBONAIR
Aircraft T.C./STC: 3A15
Propeller Model: PHC-A3VF-4
Propeller T.C.: P6EA
Blade Model(s): V8433-2R
V8433N-2R

Prop Diameter: 82.6" TO 78.25"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2083 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-520-B,-BA,-BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.8 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-2R	BLADE	3	Prop	
BLADE	V8433N-2R	BLADE	3	Prop	
SPINNER	837-8	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	6	Prop	

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BEECH

Model: 35-C33A,E33A,F33A
Trade Name: BONANZA, DEBONAIR
Aircraft T.C./STC: 3A15
Propeller Model: PHC-A3MVF-4
Propeller T.C.: P6EA
Blade Model(s): MV8433N-2R
MV8433N-4R

Prop Diameter: 82.6" TO 78.25"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.2 +-0.2

IDS No.: 1563 **Rev.:** **Date:** 10/6/1998

Modifier:
Engine: IO-520-B,-BA,-BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.8 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	MV8433N-4R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	837-8	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	6	Prop	

BEECH

Model: 35-C33A,E33A,F33A
Trade Name: BONANZA, DEBONAIR
Aircraft T.C./STC: 3A15
Propeller Model: PHC-A3MVF-4
Propeller T.C.: P6EA
Blade Model(s): MV8433N-2R
MV8433N-4R

Prop Diameter: 82.6" TO 78.25"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +-0.2

IDS No.: 169 **Rev.:** **Date:** 10/6/1998

Modifier:
Engine: IO-520-B,-BA,-BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.8 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	MV8433N-4R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	837-8	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	6	Prop	

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BEECH

Model: (E,F,G)33, (J,K,M,N,P)35, 35-33, 35-(A,B,C)33

Trade Name: BONANZA, DEBONAIR

Aircraft T.C./STC: STC-SA818CE

Propeller Model: BHC-L2YF-1BF

Propeller T.C.: P39EA

Blade Model(s): F8468AR
F8468AR*1

Prop Diameter: 84.0" TO 82.5"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.8 +-0.1

IDS No.: 175

Rev.:

Date: 7/7/2004

Modifier: HARTZELL PROPELLER

Engine: IO-470-C,-J,-K,-N

Power: 260 HP @ 2625 RPM

Placard/Restr:

Notes: IO-470-C: 250 HP @ 2600 RPM; IO-470-J, K: 225 HP @ 2600 RPM

Startlock Angle: NA

Feather/High Angle: 29.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD, FLOTTORP (GARWIN)

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	L2F00015	BHC-L2YF-1BF/F8468AR/SM19	1	A/C	
PROPELLER	L2F00015STP	L2F00015/SM19/A-2295-P	1	A/C	
PROPELLER	L2F00015STP*1	L2F00015/SM19/A-2295-P/PLUG	1	A/C	
BLADE	F8468AR	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F8468AR*1	PCP:BLADE UNIT, ALUM [3,1,1]	2	Prop	
SPINNER	A-2295	SPINNER ASSEMBLY	1	Prop	
SPINNER	A-2295-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	100612	PLUG, ENGINE SHAFT	1	A/C	

BEECH

Model: G33

Trade Name: BONANZA

Aircraft T.C./STC: STC-SA818CE

Propeller Model: BHC-L2YF-1BF

Propeller T.C.: P39EA

Blade Model(s): F8468AR

Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 13.5 +-0.1

IDS No.: 173

Rev.:

Date: 7/21/1999

Modifier: HARTZELL PROPELLER

Engine: IO-470-N

Power: 260 HP @ 2625 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 30.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468AR	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2295	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: (E,F,G)33, (J,K,M,N,P)35, 35-33, 35-(A,B,C)33

Trade Name: BONANZA, DEBONAIR

Aircraft T.C./STC: STC-SA818CE

Propeller Model: PHC-L3YF-1RF

Propeller T.C.: P41EA

Blade Model(s): F8468A-6R
F8468A-6R*1

Prop Diameter: 80.0" TO 78.5"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 11.5 +-0.1

IDS No.: 174

Rev.:

Date: 7/7/2004

Modifier: HARTZELL PROPELLER

Engine: IO-470-C,-J,-K,-N

Power: 260 HP @ 2625 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 33.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	L3F00020	PHC-L3YF-1RF/F8468A-6R/SM7	1	A/C	
PROPELLER	L3F00020KD	PHC-L3YF-1RF/F8468A-6R/SM7	1	A/C	
PROPELLER	L3F00020SKDTP	L3F00020/SM7/A-2295-1P	1	A/C	
PROPELLER	L3F00020SKDTP*1	L3F00020/SM7/A-2295-1P/PLUG	1	A/C	
PROPELLER	L3F00020STP	L3F00020/SM7/A-2295-1P	1	A/C	
PROPELLER	L3F00020STP*1	L3F00020/SM7/A-2295-1P/PLUG	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-6R*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	100612	PLUG, ENGINE SHAFT	1	A/C	

BEECH

Model: 33 & 35 SERIES

Trade Name: BONANZA

Aircraft T.C./STC: STC-SA168CH

Propeller Model: PHC-L3YF-1RF

Propeller T.C.: P41EA

Blade Model(s): F8468A-6R

Prop Diameter: 80"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.0 +-0.1

IDS No.: 194

Rev.:

Date: 12/7/2001

Modifier: D'SHANNON PRODUCTS

Engine: IO-470-C,-J,-K,-N

Power: 260 HP @ 2625 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 36.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	L3F00019	PHC-L3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 33, 35
Trade Name: BONANZA
Aircraft T.C./STC: SA01561CH
Propeller Model: PHC-L3YF-1RF
Propeller T.C.: P41EA
Blade Model(s): F8068
 F8068*1
 F8068-2
 F8068-2*1

Prop Diameter: 82" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.1 +-0.2

IDS No.: 1936 **Rev.:** **Date:** 4/6/2010
Modifier: D'SHANNON PRODUCTS
Engine: IO-470-K
Power: 225 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	L3F00031	PHC-L3YF-1RF/F8068/SM7	1	A/C	
PROPELLER	L3F00036	PHC-L3YF-1RF/F8068-2/SM7	1	A/C	
PROPELLER	L3F00051	PHC-L3YF-1RF/F8068[*1]/SM7	1	A/C	
PROPELLER	L3F00071	PHC-L3YF-1RF/F8068-2[*1]/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F8068*1	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
BLADE	F8068-2	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F8068-2*1	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 33, 35
Trade Name: BONANZA
Aircraft T.C./STC: SA01561CH
Propeller Model: PHC-L3YF-1RF
Propeller T.C.: P41EA
Blade Model(s): F8068-2
 F8068-2*1
Prop Diameter: 82" TO 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.3 +-0.1

IDS No.: 1852 **Rev.:** **Date:** 4/6/2010
Modifier: D'SHANNON PRODUCTS
Engine: IO-470-C, -N
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes: Limited applicability. Refer to STC.

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	L3F00035	PHC-L3YF-1RF/F8068-2/SM7	1	A/C	
PROPELLER	L3F00035KD	PHC-L3YF-1RF/F8068-2/SM7	1	A/C	
PROPELLER	L3F00070	PHC-L3YF-1RF/F8068-2[*1]/SM7	1	A/C	
PROPELLER	L3F00070KD	PHC-L3YF-1RF/F8068-2[*1]/SM7	1	A/C	
BLADE	F8068-2	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F8068-2*1	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: 33,35,36 SERIES (SEE NOTE)
Trade Name: BONANZA
Aircraft T.C./STC: SA01668CH
Propeller Model: PHC-L3YF-1RF
Propeller T.C.: P41EA
Blade Model(s): F8068
Prop Diameter: 82" TO 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.5 +-0.1

IDS No.: 2498 **Rev.:** **Date:** 9/17/2004
Modifier: D'SHANNON PRODUCTS
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Limited to the following aircraft with STC
 SA2200SW: (A-V)35; V35(A,B); 35-33; 35-
 (A-C)33; 35-C33A; (E-G)33; (E,F)33(A,C);
 36; A36; (A,B)36TC.

Startlock Angle:
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	L3F00032	PHC-L3YF-1RF/F8068/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 33, 35, 36 (SEE NOTES)
Trade Name: BONANZA
Aircraft T.C./STC: SA10135SC
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" TO 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1977 **Rev.:** 3 **Date:** 7/3/2013
Modifier: HARTZELL PROPELLER
Engine: IO-520-B, BA, BB; IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: S35, V35, V35A, V35B, 35-C33A, E33A, E33C, F33A, F33C, 36 & A36

Startlock Angle:
Feather/High Angle: 35.5 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00007	PHC-C3YF-1RF/F8068[*4]/SM7	1	A/C	
PROPELLER	C3F00007KD	PHC-C3YF-1RF/F8068[*4]/SM7	1	A/C	
PROPELLER	C3F00007S	PHC-C3YF-1RF/F8068*4/SM7/+SPIN	1	A/C	
PROPELLER	C3F00007SKD	PHC-C3YF-1RF/F8068*4/SM7/+SPIN	1	A/C	
PROPELLER	C3F00007SKDTP	C3F00007S/SM7/A-2295-1P	1	A/C	
PROPELLER	C3F00007STP	C3F00007S/SM7/A-2295-1P	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R or E-7154-42R Hubs Only

BEECH

Model: 33,35,36 SERIES (SEE NOTES)
Trade Name: BONANZA
Aircraft T.C./STC: SA01668CH
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068
Prop Diameter: 82" TO 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2499 **Rev.:** 1 **Date:** 10/7/2010
Modifier: D'SHANNON PRODUCTS
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Limited to the following aircraft with STC SA2200SW: (A-V)35; V35(A,B); 35-33; 35-(A-C)33; 35-C33A; (E-G)33; (E,F)33(A,C); 36; A36; (A,B)36TC.

Startlock Angle:
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00034	PHC-C3YF-1RF/F8068/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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BEECH

Model: 35-C33A, E33A, E33C, F33A, F33C
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA785CE
Propeller Model: BHC-C2YF-1BF
Propeller T.C.: P-920
Blade Model(s): F8468AR
Prop Diameter: 84" TO 82"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 178 **Rev.:** **Date:** 8/9/1999
Modifier: HARTZELL PROPELLER
Engine: IO-520-BA,-BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD, MCCAULEY

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2F00065	BHC-C2YF-1BF/F8468AR/SM19	1	A/C	
BLADE	F8468AR	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2295	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: 35-C33A, E33A, F33(A,C), G33,36, A36, S35, V35(A,B)
Trade Name: BONANZA
Aircraft T.C./STC: SA5223NM
Propeller Model: PHC-C3YF-1R(F)
Propeller T.C.: P25EA
Blade Model(s): F8068
 F8068*2
Prop Diameter: 82"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 1787 **Rev.:** 1 **Date:** 9/15/2010
Modifier: ENGINE TECHNOLOGIES INC.
Engine: IO-520-B,-BA,-BB/IO-550-B
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: Engine Ratings Note: IO-550-B (300hp)

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD, MCCAULEY

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00005	PHC-C3YF-1RF/F8068/SM30	1	A/C	
PROPELLER	C3F00005KD	PHC-C3YF-1RF/F8068/SM30	1	A/C	
PROPELLER	C3F00011	PHC-C3YF-1RF/F8068[*2]/SM30	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F8068*2	PCP:BLADE UNIT, ALUM [3,9,11]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R or E-7154-42R Hubs Only

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BEECH

Model: 35-C33A, E33C, F33(A,C), 36, A36, S35, V35(A,B)

Trade Name: BONANZA

Aircraft T.C./STC: STC-SA785CE

Propeller Model: PHC-C3YF-1R(F)

Propeller T.C.: P25EA

Blade Model(s): F8468-6R
F8468A-6R
F8468A-6R*1

Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30

Reverse Angle: NA

Low Pitch Angle: 12.0 +-0.2

IDS No.: 180

Rev.: 1

Date: 9/15/2010

Modifier: HARTZELL PROPELLER

Engine: IO-520-B,-BA,-BB

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 33.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD, MCCAULEY

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00120	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00120KD	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00120SKDTP	C3F00120/SM30/A-2295-1P	1	A/C	
PROPELLER	C3F00120STP	C3F00120/SM30/A-2295-1P	1	A/C	
BLADE	F8468-6R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-6R*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R or E-7154-42R Hubs Only

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BEECH

Model: 35-C33A, S35, V35(A,B)
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA450CH
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA

Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.8 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1177 **Rev.:** 1 **Date:** 10/7/2010

Modifier: D'SHANNON PRODUCTS

Engine: IO-520-B, -BA, -BB

Power: 285 HP @ 2700 RPM

Placard/Restr: Normal and Utility Categories: Do not exceed 20 inches of manifold pressure below 2250 RPM

Notes:

Startlock Angle: NA

Feather/High Angle: 34.0 +-1.0

Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

BEECH

Model: E33(A,C), F33(A,C)
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA450CH
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.8 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1176 **Rev.:** **Date:** 2/21/1997

Modifier: D'SHANNON PRODUCTS

Engine: IO-520-B, -BA, -BB

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 34.0 +-1.0

Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: E33(A,C), F33(A,C), G33
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: PHC-L3YF-1RF
Propeller T.C.: P41EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

IDS No.: 196 **Rev.:** **Date:** 2/21/1997
Modifier: D'SHANNON PRODUCTS
Engine: IO-520-B,-BA,-BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	L3F00019	PHC-L3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: E33(A,C), F33(A,C), G33
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.8 +-0.1

IDS No.: 1243 **Rev.:** **Date:** 2/21/1997
Modifier: D'SHANNON PRODUCTS
Engine: IO-520-B, -BA, -BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: E33(A,C), F33(A,C), G33
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.1

IDS No.: 1238 **Rev.:** **Date:** 2/21/1997
Modifier: D'SHANNON PRODUCTS
Engine: IO-520-B, -BA, -BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: 33, 35, 36
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA01548CH
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068
 F8068*1
 F8068*5
Prop Diameter: 82" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.3 +0.1

IDS No.: 1809 **Rev.:** 2 **Date:** 5/4/2011
Modifier: D'SHANNON PRODUCTS
Engine: IO-550-B, IO-520-B, BA, BB
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Engine Ratings Note: IO-520-B,BA,BB (285hp) See IDS #1941 for PHC-L3YF Propeller under same STC. Refer to STC for model applicability.

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00006	PHC-C3YF-1RF/F8068/SM7	1	A/C	
PROPELLER	C3F00006KD	PHC-C3YF-1RF/F8068/SM7	1	A/C	
PROPELLER	C3F00036	PHC-C3YF-1RF/F8068[*1]/SM7	1	A/C	
PROPELLER	C3F00036KD	PHC-C3YF-1RF/F8068[*1]/SM7	1	A/C	
PROPELLER	C3F01905	PHC-C3YF-1RF/F8068[*5]/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F8068*1	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
BLADE	F8068*5	PCP:BLADE UNIT, ALUM [3,1,11]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R or E-7154-42R Hubs Only

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BEECH

Model: 33, 35, 36 (See Notes)
Trade Name: BONANZA
Aircraft T.C./STC: SA02556CH-D
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068K*2
Prop Diameter: 82" TO 80"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2759 **Rev.:** 2 **Date:** 7/3/2013
Modifier: HARTZELL PROPELLER
Engine: IO-520B, BA, BB, IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: V35B, F33A, A36 & G36

Startlock Angle:
Feather/High Angle: 35.5 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F02000	PHC-C3YF-1RF/F8068K[*2]/SM7			
PROPELLER	C3F02000KD	PHC-C3YF-1RF/F8068K[*2]/SM7	1	A/C	
BLADE	F8068K*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Blade	
SPINNER	A-2295-2	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	A-2295-2P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	102657	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	102544-1	DE-ICE KIT (ONE PROP)	1	A/C	
DE-ICE KIT_A/F	102544-2	AIRFRAME DE-ICE KIT	1	A/C	W/OEM HPI/Goodrich AF De-Ice
DE-ICE KIT_A/F	102544-3	AIRFRAME DE-ICE KIT	1	A/C	W/OEM AF McCaulley De-ice
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use with E7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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BEECH

Model: 35, 33
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA01548CH
Propeller Model: PHC-L3YF-1RF
Propeller T.C.: P41EA
Blade Model(s): F8068
 F8068*1
Prop Diameter: 82" TO 78"

IDS No.: 1941 **Rev.:** **Date:** 4/16/2003
Modifier: D'SHANNON PRODUCTS
Engine: IO-550-B, IO-520-B, BA, BB
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Engine Ratings Note: IO-520-B,BA,BB (285hp) See IDS #1809 for PHC-C3YF Propellers under same STC. Applicable to certain S/N aircraft. See STC.

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.3 +-0.1

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	L3F00030	PHC-L3YF-1RF/F8068/SM7	1	A/C	
PROPELLER	L3F00030KD	PHC-L3YF-1RF/F8068/SM7	1	A/C	
PROPELLER	L3F00050	PHC-L3YF-1RF/F8068[*1]/SM7	1	A/C	
PROPELLER	L3F00050KD	PHC-L3YF-1RF/F8068[*1]/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F8068*1	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: E33(A,C), F33(A,C), G33
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

IDS No.: 195 **Rev.:** 1 **Date:** 9/15/2010
Modifier: D'SHANNON PRODUCTS
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00121	PHC-C3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	USE WITH E-7154-2R HUB ONLY
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R or E-7154-42R Hubs Only

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BEECH

Model: E33(A,C), F33(A,C), G33
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: PHC-L3YF-1RF
Propeller T.C.: P41EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 1233 **Rev.:** **Date:** 10/3/1996
Modifier: D'SHANNON PRODUCTS
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	L3F00021	PHC-L3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: E33(A,C), F33(A,C), G33
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.8 +-0.1

IDS No.: 1244 **Rev.:** **Date:** 10/2/1996
Modifier: D'SHANNON PRODUCTS
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: A45 (T-34A), B45
Trade Name: MENTOR
Aircraft T.C./STC: 5A3
Propeller Model: BHC-L2YF-4F
Propeller T.C.:
Blade Model(s): FC8468AR
Prop Diameter: 84.0" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-1.0

IDS No.: 206 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: IO-470-N
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8468AR	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2297	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component

BEECH

Model: T34C, T34C-1
Trade Name: MENTOR (TURBOPROP)
Aircraft T.C./STC: A26CE
Propeller Model: HC-B3TN-3H
Propeller T.C.: P15EA
Blade Model(s): T10173-11R
 T10173N-11R
Prop Diameter: 90.5" TO 88"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -5.0 +-0.4
Low Pitch Angle: 13.5 +- .2

IDS No.: 209 **Rev.:** 3 **Date:** 5/29/2013

Modifier:
Engine: PT6A-25, -25A
Power: 550 HP @ 2200 RPM
Placard/Restr:
Notes: Reference Manual 139 for Airworthiness Limitations.

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: 9.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10710	HC-B3TN-3H/T10173N-11R	1	A/C	
PROPELLER	B3N10710KD	HC-B3TN-3H/T10173N-11R	1	A/C	
BLADE	T10173-11R	BLADE	3	Prop	
BLADE	T10173N-11R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3065-6	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Primary
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Alternate
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECH

Model: T34A, A45, B45
Trade Name: MENTOR
Aircraft T.C./STC: STC-SA876CE
Propeller Model: BHC-L2YF-4BF
Propeller T.C.:
Blade Model(s): FC8468AR
Prop Diameter: 84" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

IDS No.: 207 **Rev.:** **Date:** 10/2/1992
Modifier: BEECH
Engine: IO-470-N
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8468AR	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2297	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component

BEECH

Model: T34A
Trade Name: MENTOR
Aircraft T.C./STC: SA1864SW
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
 F8468A-6R*1
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

IDS No.: 208 **Rev.:** 1 **Date:** 10/7/2010
Modifier: NOGLE & BLACK AV.
Engine: IO-520-B,-BA,-BB & IO-550B
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: IO-520: 285 HP, IO-550: 300 HP.

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00151	PHC-C3YF-1RF/F8468A-6R/SM7			
PROPELLER	C3F00152	PHC-C3YF-1RF/F8468A-6R[*1]/SM7			
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-6R*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	USED WITH E-7154-2R HUB ONLY
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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BEECH

Model: T-34A, B
Trade Name: Mentor
Aircraft T.C./STC: SA02773CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068
Prop Diameter: 82"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0 +/- 0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2948 **Rev.:** 1 **Date:** 3/19/2012

Modifier: Aircraft Product Systems

Engine: IO-550-R

Power: 300 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: 36.0 +/- 1.0

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F07103	HC-C3YF-1RF/F8068/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	S-1-38	GOVERNOR ASSEMBLY, S-1-38	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: 35, A35
Trade Name: BONANZA
Aircraft T.C./STC: A-777
Propeller Model: HC-D2X20-7
Propeller T.C.: P917
Blade Model(s): 8433
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2416 **Rev.:** **Date:** 6/6/2006

Modifier:

Engine: E-185-1

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 27.0 +/-0.5

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	

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BEECH

Model: 35, A35
Trade Name: BONANZA
Aircraft T.C./STC: A-777
Propeller Model: HC-D2X20-7
Propeller T.C.: P917
Blade Model(s): 8433
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	

IDS No.: 2350 Rev.: Date: 12/2/2003
Modifier:
Engine: E-185-1
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.0 +0.5
Cwt Angle:

Non-HPI Governor:

BEECH

Model: 35, A35
Trade Name: BONANZA
Aircraft T.C./STC: A-777
Propeller Model: HC-D2V20-7
Propeller T.C.: P48GL
Blade Model(s): V8433
V8433N

Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	

IDS No.: 2351 Rev.: Date: 12/4/2003
Modifier:
Engine: E-185-1
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.0 +0.5
Cwt Angle:

Non-HPI Governor:

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BEECH

Model: 35, A35
Trade Name: BONANZA
Aircraft T.C./STC: A777
Propeller Model: HC-D2MV20-7
Propeller T.C.: P48GL
Blade Model(s): MV8433N
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D2210008	HC-D2MV20-7/MV8433N/LESS HYD.	1	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 164 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: E-185-1
Power: 185 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.0 +0.5
Cwt Angle: Positive

Non-HPI Governor:

BEECH

Model: 35, A35, B35
Trade Name: BONANZA
Aircraft T.C./STC: A-777
Propeller Model: HC-D2X20-7
Propeller T.C.: P917
Blade Model(s): 8433
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	

IDS No.: 2352 **Rev.:** **Date:** 12/18/2003

Modifier:
Engine: E-185-1, E-185-8
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.0 +0.5
Cwt Angle:

Non-HPI Governor:

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BEECH

Model: 35, A35, B35
Trade Name: BONANZA
Aircraft T.C./STC: A-777
Propeller Model: HC-D2V20-7
Propeller T.C.: P48GL
Blade Model(s): V8433
 V8433N

IDS No.: 2353 **Rev.:** **Date:** 12/4/2003
Modifier:
Engine: E-185-1, E-185-8
Power: HP @ RPM
Placard/Restr:
Notes:

Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +0.2

Startlock Angle: NA
Feather/High Angle: 25.0 +0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	

BEECH

Model: 35, A35, B35
Trade Name: BONANZA
Aircraft T.C./STC: A-777
Propeller Model: HC-D2MV20-7
Propeller T.C.: P48GL
Blade Model(s): MV8433N
Prop Diameter: 84" TO 82.5"

IDS No.: 165 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: E-185-1, E-185-8
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +0.2

Startlock Angle: NA
Feather/High Angle: 25.0 +0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D2210013	HC-D2MV20-7/MV8433N/LESS HYD.	1	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
GOVERNOR	A1-B	GOVERNOR ASSEMBLY, A-1-()	1	A/C	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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BEECH

Model: S35, V35
Trade Name: BONANZA
Aircraft T.C./STC: 3A15
Propeller Model: PHC-A3VF-4
Propeller T.C.: P6EA
Blade Model(s): V8433-2R
V8433N-2R
Prop Diameter: 82.6" TO 78.25"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2084 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-520-B,-BA,-BB,-N;TSIO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.8 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-2R	BLADE	3	Prop	
BLADE	V8433N-2R	BLADE	3	Prop	
SPINNER	837-8	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	6	Prop	

BEECH

Model: V35A, V35B
Trade Name: BONANZA
Aircraft T.C./STC: 3A15
Propeller Model: PHC-A3VF-4
Propeller T.C.: P6EA
Blade Model(s): V8433-4R
V8433N-4R
Prop Diameter: 82.6" TO 78.25"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.2 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2085 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-520-B,-BA,-BB,-N;TSIO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.8 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-4R	BLADE	3	Prop	
BLADE	V8433N-4R	BLADE	3	Prop	
SPINNER	837-8	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-2	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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BEECH

Model: 35-C33
Trade Name: DEBONAIR
Aircraft T.C./STC: 3A15
Propeller Model: PHC-A3VF-4
Propeller T.C.: P6EA
Blade Model(s): V8433-4R
V8433N-4R
Prop Diameter: 80.0" TO 78.25"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.8 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2311 **Rev.:** **Date:** 11/24/2003

Modifier:
Engine: IO-470-K
Power: 225 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 MIN.
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-4R	BLADE	3	Prop	
BLADE	V8433N-4R	BLADE	3	Prop	
SPINNER	837-9	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-2	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

BEECH

Model: S35, V35
Trade Name: BONANZA
Aircraft T.C./STC: 3A15
Propeller Model: PHC-A3MVF-4
Propeller T.C.: P6EA
Blade Model(s): MV8433N-2R
MV8433N-4R
Prop Diameter: 82.6" TO 78.25"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 170 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: IO-520-B,-BA,-BB,-N;TSIO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.8 +0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3F10310	PHC-A3MVF-4/MV8433N-2R	1	A/C	
BLADE	MV8433N-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	MV8433N-4R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	837-8	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	6	Prop	

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BEECH

Model: S35, V35
Trade Name: BONANZA
Aircraft T.C./STC: 3A15
Propeller Model: PHC-A3VF-4
Propeller T.C.: P6EA
Blade Model(s): V8433-4R
V8433N-4R
Prop Diameter: 82.6" TO 78.25"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.2 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2302 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-520-B,-BA,-BB,-N;TSIO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.8 +/-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-4R	BLADE	3	Prop	
BLADE	V8433N-4R	BLADE	3	Prop	
SPINNER	837-8	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	6	Prop	

BEECH

Model: S35, V35
Trade Name: BONANZA
Aircraft T.C./STC: 3A15
Propeller Model: PHC-A3MVF-4
Propeller T.C.: P6EA
Blade Model(s): MV8433N-2R
MV8433N-4R
Prop Diameter: 82.6" TO 78.25"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.2 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1564 **Rev.:** **Date:** 10/6/1998

Modifier:
Engine: IO-520-B,-BA,-BB,-N;TSIO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.8 +/-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	MV8433N-4R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	837-8	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	6	Prop	

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BEECH

Model: V35A, V35B
Trade Name: BONANZA
Aircraft T.C./STC: 3A15
Propeller Model: PHC-A3MVF-4
Propeller T.C.: P6EA
Blade Model(s): MV8433N-4R
Prop Diameter: 82.6" TO 78.25"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.2 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 171 **Rev.:** **Date:** 5/13/1998

Modifier:
Engine: IO-520-B,-BA,-BB,-N;TSIO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.8 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-4R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	837-8	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-2	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-785
Propeller Model: HC-12X20-7D
Propeller T.C.: P48GL
Blade Model(s): 8433
Prop Diameter: 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2090 **Rev.:** **Date:** 11/21/2003

Modifier: RK WILSON
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	

HARTZELL

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BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-785
Propeller Model: HC-12V20-7D
Propeller T.C.: P48GL
Blade Model(s): V8433
V8433N
Prop Diameter: 84"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	
COUNTERWEIGHT	833-11	IDS Item	1	Blade	

IDS No.: 2091 **Rev.:** **Date:** 11/21/2003
Modifier: RK WILSON
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-785
Propeller Model: HC-D2X20-7
Propeller T.C.: P917
Blade Model(s): 8433
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	

IDS No.: 2346 **Rev.:** **Date:** 12/4/2003
Modifier: R.K. WILSON
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

HARTZELL

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BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-785
Propeller Model: HC-D2V20-7
Propeller T.C.: P48GL
Blade Model(s): V8433
V8433N

Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	

IDS No.: 2347 Rev.: Date: 12/4/2003
Modifier: R.K. WILSON
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-785
Propeller Model: HC-D2MV20-7
Propeller T.C.: P48GL
Blade Model(s): MV8433N
Prop Diameter: 84"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
COUNTERWEIGHT	833-11	IDS Item	1	Blade	

IDS No.: 189 Rev.: Date: 5/13/1998
Modifier: RK WILSON
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

HARTZELL

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BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-819
Propeller Model: HC-12X20-7D
Propeller T.C.: P48GL
Blade Model(s): 8433
Prop Diameter: 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	

IDS No.: 2092 **Rev.:** **Date:** 11/21/2003

Modifier: TORBET AIRCRAFT

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle: Positive

Non-HPI Governor:

BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-819
Propeller Model: HC-12V20-7D
Propeller T.C.: P48GL
Blade Model(s): V8433
V8433N
Prop Diameter: 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	

IDS No.: 2093 **Rev.:** **Date:** 11/21/2003

Modifier: TORBET AIRCRAFT

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle: Positive

Non-HPI Governor:

HARTZELL

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BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-819
Propeller Model: HC-D2X20-7
Propeller T.C.: P917
Blade Model(s): 8433
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	

IDS No.: 2348 Rev.: Date: 12/4/2003
Modifier: TORBET AIRCRAFT
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-819
Propeller Model: HC-D2V20-7
Propeller T.C.: P48GL
Blade Model(s): V8433
V8433N

Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	

IDS No.: 2349 Rev.: Date: 12/4/2003
Modifier: TORBET AIRCRAFT
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-819
Propeller Model: HC-D2MV20-7
Propeller T.C.: P48GL
Blade Model(s): MV8433N
Prop Diameter: 84"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	

IDS No.: 190 Rev.: Date: 5/13/1998
Modifier: TORBET AIRCRAFT
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-1146
Propeller Model: HC-DX20-7
Propeller T.C.: P917
Blade Model(s): 8433
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	

IDS No.: 2340 Rev.: Date: 12/4/2003
Modifier: ALPHA AIRCRAFT
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

HARTZELL

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BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-1146
Propeller Model: HC-D2V20-7
Propeller T.C.: P48GL
Blade Model(s): V8433
V8433N

Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	

IDS No.: 2341 **Rev.:** **Date:** 12/4/2003
Modifier: ALPHA AIRCRAFT
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-1146
Propeller Model: HC-D2MV20-7
Propeller T.C.: P48GL
Blade Model(s): MV8433N
Prop Diameter: 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
COUNTERWEIGHT	833-13	IDS Item	1	Blade	

IDS No.: 186 **Rev.:** **Date:** 5/13/1998
Modifier: ALPHA AIRCRAFT
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

HARTZELL

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BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-1305
Propeller Model: HC-D2X20-7
Propeller T.C.: P917
Blade Model(s): 8433
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	

IDS No.: 2342 **Rev.:** **Date:** 12/4/2003

Modifier: ALPHA AIRCRAFT

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle:

Non-HPI Governor:

BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-1305
Propeller Model: HC-D2V20-7
Propeller T.C.: P48GL
Blade Model(s): V8433
V8433N

Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	

IDS No.: 2343 **Rev.:** **Date:** 12/4/2003

Modifier: ALPHA AIRCRAFT

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle:

Non-HPI Governor:

HARTZELL

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BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-1305
Propeller Model: HC-D2MV20-7
Propeller T.C.: P48GL
Blade Model(s): MV8433N
Prop Diameter: 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
COUNTERWEIGHT	833-12	IDS Item	1	Blade	

IDS No.: 187 **Rev.:** **Date:** 5/13/1998
Modifier: CHANDLER AIRCRAFT
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA609SW
Propeller Model: PHC-83VF-4, PHC-A3VF-4
Propeller T.C.: P6EA
Blade Model(s): V8433-4
V8433N-4
Prop Diameter: 80.6"

Prop Setup:

Ref. Radius: 0
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-4	BLADE	3	Prop	
BLADE	V8433N-4	BLADE	3	Prop	
SPINNER	837-8	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-2	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

IDS No.: 2094 **Rev.:** **Date:** 11/21/2003
Modifier: HUTCHISON AIRCRAFT
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

HARTZELL

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BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA609SW
Propeller Model: PHC-A3MVF-4
Propeller T.C.: P6EA
Blade Model(s): MV8433N-4
Prop Diameter: 80.6"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

IDS No.: 191 **Rev.:** **Date:** 5/13/1998
Modifier: HUTCHISON AIRCRAFT
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	837-8	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-2	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

BEECH

Model: 35, A35, B35, C35, D35, E35, F35
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA1-570
Propeller Model: HC-A2X20-4A1
Propeller T.C.: P908
Blade Model(s): 8433
8833-4
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.2

IDS No.: 2354 **Rev.:** **Date:** 12/18/2003
Modifier: HARTZELL PROPELLER
Engine: E-185-8, -11, -1; E-225-8
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.5 +-0.5
Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	
BLADE	8833-4	BLADE	2	Prop	

HARTZELL

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BEECH

Model: 35,A35,B35,C35,D35,E35,F35

Trade Name: BONANZA

Aircraft T.C./STC: STC-SA1-570

Propeller Model: HC-A2X20-4A1

Propeller T.C.: P24EA

Blade Model(s): 8433
8433-4

Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 11.0 +-0.2

IDS No.: 2086

Rev.:

Date: 11/21/2003

Modifier: HARTZELL PROPELLER

Engine: E-185-8, -11, -1; E-225-8

Power: 205 HP @ 2600 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 26.5 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	
BLADE	8433-4	BLADE	2	Prop	
SPINNER	837-6	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	A1-C	GOVERNOR ASSEMBLY, A-1-()	1	A/C	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
CWT_SLUG	A-619-5	SLUG, COUNTERWEIGHT	2	Blade	
MTG BOLT/STUD	A-2053	PCP:NUT,SHAFT,20 SPLINE	1	Prop	

BEECH

Model: 35, A35, B35, C35, D35, E35, F35

Trade Name: BONANZA

Aircraft T.C./STC: STC-SA1-570

Propeller Model: HC-A2V20-4A1

Propeller T.C.: P24EA

Blade Model(s): V8433
V8433N
V8833-4
V8833N-4

Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 11.0 +-0.2

IDS No.: 2355

Rev.:

Date: 12/2/2003

Modifier: HARTZELL PROPELLER

Engine: E-185-8, -11, -1; E-225-8

Power: 205 HP @ 2600 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 26.5 +-0.5

Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	
BLADE	V8833-4	BLADE	2	Prop	
BLADE	V8833N-4	BLADE UNIT	2	Prop	

HARTZELL

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BEECH

Model: 35,A35,B35,C35,D35,E35,F35

Trade Name: BONANZA

Aircraft T.C./STC: STC-SA1-570

Propeller Model: HC-A2V20-4A1

Propeller T.C.: P24EA

Blade Model(s): V8433

V8433N

V8833-4

V8833N-4

Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 11.0 +0.2

IDS No.: 2087

Rev.:

Date: 11/21/2003

Modifier: HARTZELL PROPELLER

Engine: E-185-8, -11, -1; E-225-8

Power: 205 HP @ 2600 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 26.5 +0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	
BLADE	V8833-4	BLADE	2	Prop	
BLADE	V8833N-4	BLADE UNIT	2	Prop	
SPINNER	837-6	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	A1-C	GOVERNOR ASSEMBLY, A-1-()	1	A/C	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
CWT_SLUG	A-619-5	SLUG, COUNTERWEIGHT	2	Blade	
MTG BOLT/STUD	A-2053	PCP:NUT,SHAFT,20 SPLINE	1	Prop	

HARTZELL

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BEECH

Model: 35,A35,B35,C35,D35,E35,F35
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA1-570
Propeller Model: HC-A2MV20-4A1
Propeller T.C.: P24EA
Blade Model(s): MV8433N
 MV8833N-4
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.2

IDS No.: 176 **Rev.:** 2 **Date:** 1/7/2011
Modifier: HARTZELL PROPELLER
Engine: E-185-8, -11, -1; E-225-8
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A2210040	HC-A2MV20-4A1/MV8433N/A224-4	1	A/C	
PROPELLER	A2210047	HC-A2MV20-4A1/MV8833N-4/A224-4	1	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	MV8833N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	837-6	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	A1-C	GOVERNOR ASSEMBLY, A-1-()	1	A/C	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
CWT_SLUG	A-619-1	SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3840-6	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-2053	PCP:NUT,SHAFT,20 SPLINE	1	Prop	

BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA4-550
Propeller Model: HC-D2X20-7
Propeller T.C.: P917
Blade Model(s): 8433
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.2

IDS No.: 2344 **Rev.:** **Date:** 12/4/2003
Modifier: MIKE TRUDEAU
Engine: E-228-8
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.0 MIN.
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433	BLADE	2	Prop	

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BEECH

Model: 35 SERIES
 Trade Name: BONANZA
 Aircraft T.C./STC: STC-SA4-550
 Propeller Model: HC-D2V20-7
 Propeller T.C.: P48GL
 Blade Model(s): V8433
 V8433N

Prop Diameter:

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 11.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	

IDS No.: 2345 Rev.: Date: 12/4/2003
 Modifier: MIKE TRUDEAU
 Engine: E-225-8
 Power: HP @ RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 24.0 MIN.
 Cwt Angle:

Non-HPI Governor:

BEECH

Model: 35 SERIES
 Trade Name: BONANZA
 Aircraft T.C./STC: STC-SA4-550
 Propeller Model: HC-D2MV20-7
 Propeller T.C.: P48GL
 Blade Model(s): MV8433N
 Prop Diameter: 84"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 11.0 +- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	D2210009	HC-D2MV20-7/MV8433N/LESS HYD.	1	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
COUNTERWEIGHT	833-8	IDS Item	1	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 188 Rev.: 1 Date: 1/7/2011
 Modifier: D. H. MORETON
 Engine: E-225-8
 Power: 205 HP @ 2600 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 24.0 MIN
 Cwt Angle: Positive

Non-HPI Governor:

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BEECH

Model: G35, 35R
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA1-570
Propeller Model: HC-A2X20-4A1
Propeller T.C.: P24EA
Blade Model(s): 8433-4
 8833-4
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 2088 **Rev.:** **Date:** 11/21/2003
Modifier: HARTZELL PROPELLER
Engine: E-225-8
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433-4	BLADE	2	Prop	
BLADE	8833-4	BLADE	2	Prop	
SPINNER	837-6	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	A1-C	GOVERNOR ASSEMBLY, A-1-()	1	A/C	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	2	Blade	
MTG BOLT/STUD	A-2053	PCP:NUT,SHAFT,20 SPLINE	1	Prop	

BEECH

Model: G35, 35R
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA1-570
Propeller Model: HC-A2V20-4A1
Propeller T.C.: P24EA
Blade Model(s): V8433-4
 V8433N-4
 V8833-4
 V8833N-4

Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 2089 **Rev.:** **Date:** 11/21/2003
Modifier: HARTZELL PROPELLER
Engine: E-225-8
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433-4	BLADE	2	Prop	
BLADE	V8433N-4	BLADE	2	Prop	
BLADE	V8833-4	BLADE	2	Prop	
BLADE	V8833N-4	BLADE UNIT	2	Prop	
SPINNER	837-6	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	A1-C	GOVERNOR ASSEMBLY, A-1-()	1	A/C	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	2	Blade	
MTG BOLT/STUD	A-2053	PCP:NUT,SHAFT,20 SPLINE	1	Prop	

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BEECH

Model: G35, 35R
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA1-570
Propeller Model: HC-A2MV20-4A1
Propeller T.C.: P24EA
Blade Model(s): MV8433N
 MV8833N-4
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 177 **Rev.:** 2 **Date:** 1/7/2011
Modifier: HARTZELL PROPELLER
Engine: E-225-8
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A2210042	HC-A2MV20-4A1/MV8433N/A224-4	1	A/C	
PROPELLER	A2210048	HC-A2MV20-4A1/MV8833N-4/A224-4	1	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	MV8833N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	837-6	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	A1-C	GOVERNOR ASSEMBLY, A-1-()	1	A/C	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
CWT_SLUG	A-619-1	SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3840-6	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-2053	PCP:NUT,SHAFT,20 SPLINE	1	Prop	

BEECH

Model: 35 SERIES
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA1-569
Propeller Model: BHC-92ZF-1D1
Propeller T.C.: P-892
Blade Model(s): 8447
 8447N
Prop Diameter: 84"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.2

IDS No.: 183 **Rev.:** 1 **Date:** 1/7/2011
Modifier: D'SHANNON PRODUCTS
Engine: IO-470-J
Power: 225 HP @ 2600 RPM
Placard/Restr:
Notes: STC Angles are 11.0 (LP) and 26.0 min.(HP) at 33 in Radius.

Startlock Angle:
Feather/High Angle: 27.5 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8447	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447N	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	837-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	837-4	IDS Item	1	Prop	

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BEECH

Model: 35-C33
Trade Name: DEBONAIR
Aircraft T.C./STC: 3A15
Propeller Model: PHC-A3MVF-4
Propeller T.C.: P6EA
Blade Model(s): MV8433N-4R
MV8433N-4RD

Prop Diameter: 80.0" TO 78.25"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 168 **Rev.:** **Date:** 5/13/1998

Modifier:
Engine: IO-470-K
Power: 225 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 MIN.
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-4R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	MV8433N-4RD	IDS ITEM, BLADE	3	Prop	
SPINNER	837-9	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-2	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

BEECH

Model: S35, V35, V35B, 36, A36
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA785CE
Propeller Model: BHC-C2YF-1B(F)
Propeller T.C.:
Blade Model(s): F8468AR
Prop Diameter: 84" TO 82"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 179 **Rev.:** **Date:** 6/9/2004

Modifier: HARTZELL PROPELLER
Engine: IO-520-BA,-BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD, MCCAULEY

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468AR	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2295	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: J35A
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA686CE
Propeller Model: HC-C3YF-1
Propeller T.C.:
Blade Model(s): F8468A-8R
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	

IDS No.: 192 **Rev.:** **Date:** 10/2/1992
Modifier: AEROSTOL CO.
Engine: IO-520
Power: 250 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

BEECH

Model: S35,V35,V35A,V35B,36,A36
Trade Name: BONANZA
Aircraft T.C./STC: GERMAN STC
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7663D-2Q
Prop Diameter: 76.0" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.3 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00130	PHC-C3YF-1RF/F7663D-2Q/SM7	1	A/C	
PROPELLER	C3F00130KD	PHC-C3YF-1RF/F7663D-2Q/SM7	1	A/C	
BLADE	F7663D-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R or E-7154-42R Hubs Only

IDS No.: 172 **Rev.:** 1 **Date:** 10/6/2010
Modifier: MT PROPELLER
Engine: IO-520-B, -BA, -BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

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BEECH

Model: (A thru V)35, V35(A,B)
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

IDS No.: 1239 **Rev.:** **Date:** 2/21/1997
Modifier: D'SHANNON PRODUCTS
Engine: IO-520-B, -BA, -BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: (A thru V)35(A,B)
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: PHC-L3YF-1RF
Propeller T.C.: P41EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

IDS No.: 1234 **Rev.:** **Date:** 9/17/2004
Modifier: D'SHANNON PRODUCTS
Engine: IO-520-B, -BA, -BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	L3F00019	PHC-L3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: H35 THRU V35B
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA1773NM
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA
Blade Model(s): F8475D-4
Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8475D-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2295-P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 184 **Rev.:** **Date:** 5/1/2002
Modifier: RAY RAINER
Engine: IO-540-K1A5
Power: 300 HP @ 2700 RPM
Placard/Restr: Do not exceed 23" HG below 2250 RPM
Notes:

Startlock Angle: NA
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Governor:

BEECH

Model: (A thru V)35, V35(A,B)
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1240 **Rev.:** **Date:** 10/3/1996
Modifier: D'SHANNON PRODUCTS
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

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BEECH

Model: (A thru V)35, V35(A,B)
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.8 +-0.1

IDS No.: 1245 **Rev.:** **Date:** 10/2/1996
Modifier: D'SHANNON PRODUCTS
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: (A thru V)35, V35(A,B)
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: PHC-L3YF-1RF
Propeller T.C.: P41EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 1235 **Rev.:** **Date:** 10/3/1996
Modifier: D'SHANNON PRODUCTS
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 36, A36
 Trade Name: BONANZA
 Aircraft T.C./STC: 3A15
 Propeller Model: PHC-C3YF-1RF
 Propeller T.C.: P25EA
 Blade Model(s): F8468A-6R
 Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 13.0 +-0.2

IDS No.: 199 Rev.: Date: 10/2/1992
 Modifier:
 Engine: IO-520-B,-BA,-BB
 Power: 285 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 36.0 +-1.0
 Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	

BEECH

Model: 36, A36
 Trade Name: BONANZA
 Aircraft T.C./STC: 3A15
 Propeller Model: PHC-C3YF-1RF
 Propeller T.C.: P25EA
 Blade Model(s): F7663-2R
 F7663K-2R
 Prop Diameter: 76.0" TO 75.5"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 17.5 +-0.1

IDS No.: 200 Rev.: Date: 11/20/2006
 Modifier:
 Engine: IO-520-B,-BA,-BB; IO-550-B
 Power: 285 HP @ 2550 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 33.0 +-1.0
 Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: MCCAULEY

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7663-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F7663K-2R	IDS ITEM, 4E2200-2	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	4H2200-2	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2202-2
DE-ICE KIT_PR	7931-67-275	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: A36TC
Trade Name: BONANZA
Aircraft T.C./STC: 3A15
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
F8468AK-6R
Prop Diameter: 80.0" TO 78.0"

IDS No.: 205 **Rev.:** 1 **Date:** 10/7/2010

Modifier:
Engine: TSIO-520-U,-UB
Power: 300 HP @ 2700 RPM
Placard/Restr:

Notes: Ink stamp blades with Beech P/N 36-960001-1 below Hartzell ink stamp identification. Metal stamp hub -1, within a circle, above Hartzell metal stamp identification. Do not confuse angle settings with those specified for other Bonanza aircraft with same propeller model.

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00004	PHC-C3YF-1RF/F8468AK-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468AK-6R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	2H1291	STRAP, RESTRAINER, DE-ICE	1	Blade	Blade component(on booted bld)
DE-ICER	4H2200-2	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-2
DE-ICE KIT_PR	7931-67-275	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

BEECH

Model: 36, A36
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: PHC-L3YF-1RF
Propeller T.C.: P41EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

IDS No.: 1236 **Rev.:** **Date:** 2/21/1997

Modifier: D'SHANNON PRODUCTS
Engine: IO-520-B,-BA,-BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 36, A36
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1241 **Rev.:** **Date:** 2/21/1997
Modifier: D'SHANNON PRODUCTS
Engine: IO-520-B, -BA, -BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: 36, A36
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.8 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1246 **Rev.:** **Date:** 2/21/1997
Modifier: D'SHANNON PRODUCTS
Engine: IO-520-B, -BA, -BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 36, A36
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA450CH
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.8 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1179 **Rev.:** 1 **Date:** 10/7/2010
Modifier: D'SHANNON PRODUCTS
Engine: IO-520-B, -BA, -BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 34.0 +/-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00031	PHC-C3YF-1RF/F7691/SM7	1	A/C	
PROPELLER	C3F00031KD	PHC-C3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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BEECH

Model: B36TC
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA00718LA
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-8R
 F8468AK-8R
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1532 **Rev.:** 1 **Date:** 10/7/2010
Modifier: HARTZELL PROPELLER
Engine: TSIO-520-U,-UB
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Raytheon OEM; For additional configuration details see drawing D-6971

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD D210760

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00127	PHC-C3YF-1RF/F8468A-8R/SM7	1	A/C	
PROPELLER	C3F00127-10	PHC-C3YF-1RF/F8468A-8R/+SPIN	1	A/C	
PROPELLER	C3F00127-11	PHC-C3YF-1RF/F8468AK-8R/+SPIN	1	A/C	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468AK-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	2H1291	STRAP, RESTRAINER, DE-ICE	1	Blade	Blade component(on booted bld)
DE-ICER	4H2200-2	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-2
DE-ICE KIT_PR	7931-67-941-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-67-941-2	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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BEECH

Model: B36TC
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA00718LA
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-8R
 F8468A-8R*1
 F8468AK-8R
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 1596 **Rev.:** 1 **Date:** 9/15/2010
Modifier: HARTZELL PROPELLER
Engine: TSIO-520-U,-UB
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD D210760

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00128	PHC-C3YF-1RF/F8468A-8R/SM7	1	A/C	
PROPELLER	C3F00128KD	PHC-C3YF-1RF/F8468A-8R/SM7	1	A/C	
PROPELLER	C3F00128SKDTP	C3F00128/SM7/A-2295-2P	1	A/C	
PROPELLER	C3F00128STP	C3F00128/SM7/A-2295-2P	1	A/C	
PROPELLER	C3F00140	PHC-C3YF-1RF/F8468AK-8R/SM7	1	A/C	
PROPELLER	C3F00140SKDTP	C3F00140/SM7/A-2295-2P/DE-ICE	1	A/C	
PROPELLER	C3F00140STP	C3F00140/SM7/A-2295-2P/DE-ICE	1	A/C	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-8R*1	IDS ITEM, BLADE, [3,1,1]	3	Prop	
BLADE	F8468AK-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	2H1291	STRAP, RESTRAINER, DE-ICE	1	Blade	Blade component(on booted bld)
DE-ICER	4H2200-2	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-2
DE-ICE KIT_PR	7931-67-941-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-67-941-2	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R or E-7154-42R Hubs Only

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BEECH

Model: A36
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA762NM
Propeller Model: HC-F3YR-1RF
Propeller T.C.: P31EA
Blade Model(s): F8468A-8Q
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 203 **Rev.:** **Date:** 2/3/1999

Modifier: MACHEN INC.
Engine: TIO-540-J2BD
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F3R00007	HC-F3YR-1RF/F8468A-8Q	1	A/C	
BLADE	F8468A-8Q	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-13	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: 36, A36
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.8 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1247 **Rev.:** **Date:** 10/2/1996

Modifier: D'SHANNON PRODUCTS
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 36, A36
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: **PHC-L3YF-1RF**
Propeller T.C.: P41EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 1237 **Rev.:** **Date:** 10/3/1996
Modifier: D'SHANNON PRODUCTS
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: 36, A36
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA2200SW
Propeller Model: **PHC-C3YF-1RF**
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 1242 **Rev.:** **Date:** 10/3/1996
Modifier: D'SHANNON PRODUCTS
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: A36
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA450CH
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA

Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.8 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1178 **Rev.:** 1 **Date:** 10/7/2010
Modifier: D'SHANNON PRODUCTS
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr: Do not exceed 20 in. manifold pressure below 2250 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 34.0 +/-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00029	PHC-C3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	USE WITH E-7154-2R HUB ONLY
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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BEECH

Model: A36, G36
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA00719LA
Propeller Model: **PHC-C3YF-1RF**
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
 F8468AK-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 1597 **Rev.:** 2 **Date:** 9/15/2010
Modifier: HARTZELL PROPELLER
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Aftermarket installation - Refer to IDS no. 1531 for OEM installation. For additional details see drawing D-6971.

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD D210760

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00117	PHC-C3YF-1RF/F8468A-6R/SM7	1	A/C	
PROPELLER	C3F00117KD	PHC-C3YF-1RF/F8468A-6R/SM7	1	A/C	
PROPELLER	C3F00117SKDTP	C3F00117/SM7/A-2295-2P	1	A/C	
PROPELLER	C3F00117STP	C3F00117/SM7/A-2295-2P	1	A/C	
PROPELLER	C3F00135	PHC-C3YF-1RF/F8468AK-6R/SM7	1	A/C	
PROPELLER	C3F00135KD	PHC-C3YF-1RF/F8468AK-6R/SM7	1	A/C	
PROPELLER	C3F00135SKDTP	C3F00135/SM7/A-2295-2P/DE-ICE	1	A/C	
PROPELLER	C3F00135STP	C3F00135/SM7/A-2295-2P/DE-ICE	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468AK-6R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	2H1291	STRAP, RESTRAINER, DE-ICE	1	Blade	Blade component(on booted bld)
DE-ICER	4H2200-2	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-2
DE-ICE KIT_PR	7931-67-941-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-67-941-2	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R or E-7154-42R Hubs Only

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BEECH

Model: A36, G36
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA00719LA
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
 F8468AK-6R
Prop Diameter: 80.0" TO 78.0"

IDS No.: 1531 **Rev.:** 3 **Date:** 10/6/2010
Modifier: HARTZELL PROPELLER
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Raytheon OEM; For additional configuration details see drawing D-6971. refer to IDS No. 1597 for aftermarket installation.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD D210760

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00118	PHC-C3YF-1RF/F8468A-6R/SM7	1	A/C	Basic propeller
PROPELLER	C3F00118-10	PHC-C3YF-1RF/F8468A-6R/+SPIN	1	A/C	Propeller with spinner
PROPELLER	C3F00118-11	PHC-C3YF-1RF/F8468AK-6R/+SPIN	1	A/C	Prop with de-icers on blades, but excludes prop side de-ice kit components. Spinner is included.
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	Blade without de-ice boot
BLADE	F8468AK-6R	PCP:BLADE UNIT, ALUMINUM	3	Prop	Blade with de-ice boot
SPINNER	A-2295-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	Polished spinner
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	Included with every prop on this IDS
DE-ICER	2H1291	STRAP, RESTRAINER, DE-ICE	1	Blade	Blade component(on booted bld)
DE-ICER	4H2200-2	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-2
DE-ICE KIT_PR	7931-67-941-1	DE-ICE KIT (ONE PROP)	1	Prop	Prop de-ice kit sold separately
DE-ICE KIT_A/F	7931-67-941-2	AIRFRAME DE-ICE KIT	1	A/C	Airframe de-ice kit sold separately
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Mounting studs are included with propeller. A-2429-4 Stud is used with E-7154-2R Hub only. (E-7154-2R hub has been superseded by E-7154-12R)
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Mounting studs are included with propeller. Use with E-7154-12R or E-7154-42R Hubs Only

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BEECH

Model: A36
Trade Name: STARFIRE BONANZA
Aircraft T.C./STC: STC-SA1835SO
Propeller Model: HC-C4YF-1E
Propeller T.C.: P52GL

Blade Model(s): F7063Q
Prop Diameter: 73.75" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 185 **Rev.:** **Date:** 11/24/2008

Modifier: COLEMILL
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr: Avoid continuous ground operation between 2250 and 2450 RPM. Recommend pre-flight propeller cycling at 1600 RPM or below.
Notes: B-2984-4 flange spacer needed with this propeller.

Startlock Angle: NA
Feather/High Angle: 35.0 +/-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C4F00005	HC-C4YF-1E/F7063Q/SM20	1	A/C	
PROPELLER	C4F00005KD	HC-C4YF-1E/F7063Q/SM20	1	A/C	
BLADE	F7063Q	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-4511-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5421-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-20	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	B-1738	STUD,MOUNTING,1/2-20	6	Prop	See note

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BEECH

Model: A36, A36TC
Trade Name: BONANZA
Aircraft T.C./STC: STC-SA3523NM
Propeller Model: HC-B3TF-7A
Propeller T.C.: P15EA
Blade Model(s): T9212K-2*1
 T9212NK-2*1
Prop Diameter: 90.0" TO 88.0"

IDS No.: 201 **Rev.:** 1 **Date:** 1/7/2011

Modifier: TRADEWIND TURBINES

Engine: 250-B17F/2

Power: 440 HP @ 2030 RPM

Placard/Restr:

Notes: This STC was formerly held by Soloy and is now held by Turbine Power Company, who has licensed its use to Tradewind Turbines; 7E1596 ELIGIBLE FOR O/H PROPS ONLY.

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: NA

Startlock Angle: NA
Feather/High Angle: 86.2 +-0.5
Cwt Angle: 1.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3F10091	HC-B3TF-7A/T9212NK-2*1/BULK/DE	1	A/C	
PROPELLER	B3F10091S	HC-B3TF-7A/T9212NK-2*1/POLISHD	1	A/C	
PROPELLER	B3F10095S	HC-B3TF-7A/T9212NK-2*1/835-39E	1	A/C	
BLADE	T9212K-2*1	IDS*ITEM, BLADE,4E3048-10 BOOT	3	Prop	
BLADE	T9212NK-2*1	T9212N-2 BLADE,4H3048-10 BOOT	3	Prop	
SPINNER	835-39E	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-39EP	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3491	SPINNER - MTG KIT	1	Prop	
SP_MT_KIT_DE-ICE	B-3384-23	BOLT, 1/4-28, HEX HEAD	6	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	6	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	18	Prop	
SP_MT_KIT_DE-ICE	B-3837-0463	WASHER, CORROSION RESISTANT	12	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-3	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H3048-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3048-10
DE-ICE KIT_PR	7931-67-510-3	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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BEECH

Model: 35-C33A, (A)36, (E,F)33(A,C), (S,V)35, V35(A,B)

Trade Name: BONANZA

Aircraft T.C./STC: SA10145SC

Propeller Model: PHC-J3YF-1RF

Propeller T.C.: P36EA

Blade Model(s): F8068

Prop Diameter: 82"

Prop Setup:

Ref. Radius: 30

Reverse Angle: NA

Low Pitch Angle: 13.2 +/-0.1

IDS No.: 1764

Rev.:

Date: 2/11/2010

Modifier: ATLANTIC AERO

Engine: IO-550-R

Power: 310 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 32.5 +/- 1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00040	PHC-J3YF-1RF/F8068/SM7	1	A/C	
PROPELLER	J3F10693	PHC-J3YF-1RF/F8068/SM44	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	Opt w/C-4582(P) only; for adj
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: B36TC
Trade Name: TURBINE AIR
Aircraft T.C./STC: STC SA01156SE
Propeller Model: HC-E4N-3N
Propeller T.C.: P10NE
Blade Model(s): D8292
D8292B
Prop Diameter: 82.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0+-0.5
Low Pitch Angle: 19.7+-0.1

IDS No.: 1848 **Rev.:** **Date:** 11/20/2006
Modifier: WEST PACIFIC AIR LLC
Engine: PT6A-21
Power: 500 HP @ 2200 RPM
Placard/Restr:
Notes: Rocket Engineering conversion

Startlock Angle: NA
Feather/High Angle: 83.2+-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E4N00502S	HC-E4N-3N/D8292/D-630-1P	1	A/C	
PROPELLER	E4N00520S	HC-E4N-3N/D8292B/D-630-1P	1	A/C	
PROPELLER	E4N00520SKD	HC-E4N-3N/D8292B/D-630-1P	1	A/C	
BLADE	D8292	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	D8292B	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
SPINNER	D-630-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-3	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H1601-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-10
DE-ICE KIT_PR	7931-67-932-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

BEECH

Model: B50
Trade Name: TWIN BONANZA
Aircraft T.C./STC: 5A4
Propeller Model: HC-83X20-2C
Propeller T.C.: P6EA
Blade Model(s): 9333C-3
Prop Diameter: 90.6" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

IDS No.: 2095 **Rev.:** **Date:** 11/21/2003
Modifier:
Engine: GO-435-C2B
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes: Also RW-150, ZRW, Z governor

Startlock Angle: NA
Feather/High Angle: 85.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	9333C-3	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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BEECH

Model: B50
Trade Name: TWIN BONANZA
Aircraft T.C./STC: 5A4
Propeller Model: HC-A3X20-2
Propeller T.C.: P913
Blade Model(s): V9333N-3
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V9333N-3	BLADE	3	Prop	

IDS No.: 2361 Rev.: Date: 12/18/2003

Modifier:
Engine: GO-435-C2B
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.0 +0.5
Cwt Angle:

Non-HPI Governor:

BEECH

Model: B50
Trade Name: TWIN BONANZA
Aircraft T.C./STC: 5A4
Propeller Model: HC-A3V20-2
Propeller T.C.: P6EA
Blade Model(s): V9333N-3
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V9333N-3	BLADE	3	Prop	

IDS No.: 2362 Rev.: Date: 12/18/2003

Modifier:
Engine: GO-435-C2B
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.0 +0.5
Cwt Angle:

Non-HPI Governor:

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BEECH

Model: B50
Trade Name: TWIN BONANZA
Aircraft T.C./STC: 5A4
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV9333N-3
Prop Diameter: 90.6" NO CUT OFF

IDS No.: 210 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: GO-435-C2B
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes: Also RW-150, ZRW, Z Governor

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 85.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A3210066	HC-A3MV20-2/MV9333N-3	2	A/C	
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

BEECH

Model: D50, D50A, D50B, D50C, D50E
Trade Name: TWIN BONANZA
Aircraft T.C./STC: 5A4
Propeller Model: HC-A3XF-2A, HC-83XF-2A, HC-A3XF-2, HC-83XF-2
Propeller T.C.: P6EA
Blade Model(s): 9333C-3
Prop Diameter: 90.6" TO 89"

IDS No.: 2096 **Rev.:** **Date:** 11/21/2003
Modifier:
Engine: GO-480-C2(C,D)6,-G2D6,-G2F6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 85.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	9333C-3	BLADE	3	Prop	
SPINNER	836-18P	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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BEECH

Model: D50, D50A, D50B, D50C, D50E
Trade Name: TWIN BONANZA
Aircraft T.C./STC: 5A4
Propeller Model: HC-A3VF-2A, HC-83VF-2A, HC-A3VF-2, HC-83VF-2
Propeller T.C.: P6EA
Blade Model(s): V9333C-3
V9333N-3
Prop Diameter: 90.6" TO 89"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V9333C-3	BLADE	3	Prop	
BLADE	V9333N-3	BLADE	3	Prop	
SPINNER	836-18P	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

IDS No.: 2097 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GO-480-C2(C,D)6,-G2D6,-G2F6
Power: 295 HP @ 2182 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 85.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

BEECH

Model: D50, D50A, D50B, D50C, D50E
Trade Name: TWIN BONANZA
Aircraft T.C./STC: 5A4
Propeller Model: HC-A3MVF-2A
Propeller T.C.: P6EA
Blade Model(s): MV9333N-3
Prop Diameter: 90.6" TO 89"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A3F10069	HC-A3MVF-2A/MV9333N-3	2	A/C	
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-18P	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

IDS No.: 211 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: GO-480-C2(C,D)6,-G2D6,-G2F6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

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BEECH

Model: E50, F50, G50, H50
Trade Name: TWIN BONANZA
Aircraft T.C./STC: 5A4
Propeller Model: HC-93Z20-2C1
Propeller T.C.: P-891
Blade Model(s): 10151-8
 10151-8R
 10151N-8
 10151N-8R
 L10151N-8
Prop Diameter: 93" TO 90"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

IDS No.: 212 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: GSO-480-A1A6,-B1B6; IGSO-480-A1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes: See IDS No. 1761 for alternate propeller model

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10151-8	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151-8R	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151N-8	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151N-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	L10151N-8	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-20SPR	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-21SPR	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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BEECH

Model: J50
Trade Name: TWIN BONANZA
Aircraft T.C./STC: 5A4
Propeller Model: HC-93Z20-2C1, -2A
Propeller T.C.: P-891
Blade Model(s): 10151-8
 10151-8R
 10151N-8
 10151N-8R
 L10151N-8
Prop Diameter: 93" TO 90"

IDS No.: 213 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: IGSO-480-A1B6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10151-8	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151-8R	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151N-8	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151N-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	L10151N-8	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-20SPR	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-21SPR	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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BEECH

Model: E50, F50, G50, H50
Trade Name: TWIN BONANZA
Aircraft T.C./STC: 5A4
Propeller Model: HC-B3Z20-2A
Propeller T.C.: P-907
Blade Model(s): 10151-8
 10151-8R
 10151N-8
 10151N-8R
 L10151N-8
Prop Diameter: 93" TO 90"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

IDS No.: 1761 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: GSO-480-A1A6,-B1B6; IGSO-480-A1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes: See IDS NO. 212 for alternate propeller model.

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	10151-8	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151-8R	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151N-8	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151N-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	L10151N-8	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-20SPR	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-21SPR	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-619-2	SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

BEECH

Model: 50 SERIES
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-1
Propeller Model: HC-83X20-2, HC-A3X20-2
Propeller T.C.: P6EA
Blade Model(s):
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.1

IDS No.: 2098 **Rev.:** **Date:** 11/21/2003
Modifier: HOMER J. PENWELL
Engine: GO-435-C2B
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 85.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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BEECH

Model: 50 SERIES
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-1
Propeller Model: HC-83V20-2, HC-A3V20-2
Propeller T.C.: P6EA
Blade Model(s): V9333N-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2099 **Rev.:** **Date:** 11/21/2003

Modifier: HOMER J. PENWELL
Engine: GO-435-C2B
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 85.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V9333N-3	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

BEECH

Model: 50 SERIES
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-1
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV9333N-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 214 **Rev.:** 1 **Date:** 1/7/2011

Modifier: HOMER J. PENWELL
Engine: GO-435-C2B
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 85.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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BEECH

Model: C50
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-233
Propeller Model: HC-83XF-2A, HC-83XF-2
Propeller T.C.: P6EA
Blade Model(s): 9333C-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2100 Rev.: Date: 11/21/2003

Modifier: JORDAN PROPELLER
Engine: GO-480-F4B6, -F4A6
Power: 275 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 84.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	9333C-3	BLADE	3	Prop	
SPINNER	836-18P	IDS Item	1	Prop	
SPINNER	836-19P	IDS Item	1	Prop	

BEECH

Model: C50
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-233
Propeller Model: HC-A3MVF-2A
Propeller T.C.: P6EA
Blade Model(s): MV9333N-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 215 Rev.: 1 Date: 1/7/2011

Modifier: JORDAN PROPELLER
Engine: GO-480-F4B6, -F4A6
Power: 275 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 84.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-18P	IDS Item	1	Prop	
SPINNER	836-19P	IDS Item	1	Prop	

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BEECH

Model: C50
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA360/242SW
Propeller Model: HC-A3MVF-2
Propeller T.C.: P6EA
Blade Model(s): MV9333N-3
Prop Diameter: 90.6" TO 89.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.2

IDS No.: 221 **Rev.:** 1 **Date:** 1/7/2011
Modifier: EXALIBER AVIATION
Engine: GO-480-G2D6, -G2F6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 84.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3F10061	HC-A3MVF-2/MV9333N-3	2	A/C	
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-25P	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-26P	SPINNER ASSEMBLY	1	Prop	Alcohol
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

BEECH

Model: 50 SERIES
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-602
Propeller Model: HC-83X20-2, HC-A3X20-2
Propeller T.C.: P6EA
Blade Model(s): 9333C-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

IDS No.: 2101 **Rev.:** **Date:** 11/21/2003
Modifier: AIRCRAFTSMEN INC
Engine: GO-480-F2A6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	9333C-3	BLADE	3	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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BEECH

Model: 50 SERIES
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-602
Propeller Model: HC-83V20-2, HC-A3V20-2
Propeller T.C.: P6EA
Blade Model(s): V9333C-3
V9333N-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

IDS No.: 2102 **Rev.:** **Date:** 11/21/2003
Modifier: AIRCRAFTSMEN INC
Engine: GO-480-F2A6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V9333C-3	BLADE	3	Prop	
BLADE	V9333N-3	BLADE	3	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

BEECH

Model: 50 SERIES
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-602
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV9333N-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: UNKNOWN

IDS No.: 216 **Rev.:** 1 **Date:** 1/7/2011
Modifier: AIRCRAFTSMEN INC
Engine: GO-480-F2A6
Power: 275 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: UNKNOWN
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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BEECH

Model: 50 SERIES
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-602
Propeller Model: HC-83XF-2A, HC-A3XF-2A
Propeller T.C.: P6EA
Blade Model(s): 9333C-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	9333C-3	BLADE	3	Prop	

IDS No.: 2103 **Rev.:** **Date:** 11/21/2003
Modifier: AIRCRAFTSMEN INC
Engine: GO-480-F4B6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

BEECH

Model: 50 SERIES
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-602
Propeller Model: HC-83VF-2A, HC-A3VF-2A
Propeller T.C.: P6EA
Blade Model(s): V9333C-3
V9333N-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V9333C-3	BLADE	3	Prop	
BLADE	V9333N-3	BLADE	3	Prop	

IDS No.: 2104 **Rev.:** **Date:** 11/20/2003
Modifier: AIRCRAFTSMEN INC
Engine: GO-480-F4B6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

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BEECH

Model: 50 SERIES
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-602
Propeller Model: HC-A3MVF-2A
Propeller T.C.: P6EA
Blade Model(s): MV9333N-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

IDS No.: 217 **Rev.:** 1 **Date:** 1/7/2011

Modifier: AIRCRAFTSMEN INC
Engine: GO-480-F4B6
Power: 275 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: Unknown
Cwt Angle: Positive

Non-HPI Governor:

BEECH

Model: 50, B50, C50
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-66
Propeller Model: HC-A3X20-2
Propeller T.C.: P913
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2359 **Rev.:** **Date:** 12/2/2003

Modifier:
Engine: GO-480-B, -B1B, -B1C, -B1D, -F2A
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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BEECH

Model: 50, B50, C50
 Trade Name: TWIN BONANZA
 Aircraft T.C./STC: STC-SA2-66
 Propeller Model: HC-A3V20-2
 Propeller T.C.: P6EA
 Blade Model(s): V9333N-3
 Prop Diameter:

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V9333N-3	BLADE	3	Prop	

IDS No.: 2360 Rev.: Date: 12/18/2003

Modifier:
 Engine: GO-480-B, B1B, B1C, B1D, F2A
 Power: 270 HP @ 2182 RPM
 Placard/Restr:
 Notes:

Startlock Angle:
 Feather/High Angle:
 Cwt Angle:

Non-HPI Governor:

BEECH

Model: 50, B50, C50
 Trade Name: TWIN BONANZA
 Aircraft T.C./STC: STC-SA2-66
 Propeller Model: HC-A3MV20-2
 Propeller T.C.: P6EA
 Blade Model(s): MV9333N-3
 Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
 Reverse Angle:
 Low Pitch Angle: UNKNOWN

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 218 Rev.: 1 Date: 1/7/2011

Modifier: HOMER J. PENWELL
 Engine: GO-480-B, -B1B, -B1C, -B1D, -F2A
 Power: 270 HP @ 2182 RPM
 Placard/Restr:
 Notes:

Startlock Angle:
 Feather/High Angle: UNKNOWN
 Cwt Angle: Positive

Non-HPI Governor:

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BEECH

Model: 50 SERIES
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-665
Propeller Model: HC-83XF-2A, HC-A3XF-2A
Propeller T.C.: P6EA
Blade Model(s): 9333C-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	9333C-3	BLADE	3	Prop	

IDS No.: 2105 **Rev.:** **Date:** 11/21/2003

Modifier: EL PASO NAT. GAS
Engine: GO-480-C3C6, -C2D6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

BEECH

Model: 50 SERIES
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-665
Propeller Model: HC-83VF-2A, HC-A3VF-2A
Propeller T.C.: P6EA
Blade Model(s): V9333C-3
V9333N-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V9333C-3	BLADE	3	Prop	
BLADE	V9333N-3	BLADE	3	Prop	

IDS No.: 2106 **Rev.:** **Date:** 11/21/2003

Modifier: EL PASO NAT. GAS
Engine: GO-480-C3C6, -C2D6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

HARTZELL

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BEECH

Model: 50 SERIES
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-665
Propeller Model: HC-A3MVF-2A
Propeller T.C.: P6EA
Blade Model(s): MV9333N-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: UNKNOWN

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

IDS No.: 219 **Rev.:** 1 **Date:** 1/7/2011
Modifier: EL PASO NAT. GAS
Engine: GO-480-C3C6, -C2D6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: UNKNOWN
Cwt Angle: Positive

Non-HPI Governor:

BEECH

Model: 50 SERIES
Trade Name: TWIN BONANZA
Aircraft T.C./STC: STC-SA2-87, 93
Propeller Model: HC-A3X20-2
Propeller T.C.: P913
Blade Model(s): 9333C-3
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	9333C-3	BLADE	3	Prop	

IDS No.: 2357 **Rev.:** **Date:** 12/2/2003
Modifier:
Engine: GO-480-C2C6, -C2D6
Power: 295 HP @ 3400 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 85.5 +/-0.5
Cwt Angle:

Non-HPI Governor:

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BEECH

Model: 50 SERIES
 Trade Name: TWIN BONANZA
 Aircraft T.C./STC: STC-SA2-87, 93
 Propeller Model: HC-A3V20-2
 Propeller T.C.: P6EA
 Blade Model(s): V9333C-3
 V9333N-3

Prop Diameter:

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 16.0 +0.1

IDS No.: 2358 Rev.: Date: 12/2/2003

Modifier:
 Engine: GO-480-C2C6, C2D6
 Power: 295 HP @ 3400 RPM
 Placard/Restr:
 Notes:

Startlock Angle:
 Feather/High Angle: 85.5 +0.5
 Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V9333C-3	BLADE	3	Prop	
BLADE	V9333N-3	BLADE	3	Prop	

BEECH

Model: 50 SERIES
 Trade Name: TWIN BONANZA
 Aircraft T.C./STC: STC-SA2-87,93
 Propeller Model: HC-A3MV20-2
 Propeller T.C.: P6EA
 Blade Model(s): MV9333N-3
 Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 16.0 +0.1

IDS No.: 220 Rev.: 1 Date: 1/7/2011

Modifier: TULSAIR DEST.
 Engine: GO-480-C2C6, -C2D6
 Power: 295 HP @ 2182 RPM
 Placard/Restr:
 Notes:

Startlock Angle:
 Feather/High Angle: 85.5 +0.5
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-20S	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-22S	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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BEECH

Model: D50(A,B,C,E), E50, F50, G50, H50, J50
Trade Name: EXCALIBUR 800 (BEECH TWIN BONANZA)
Aircraft T.C./STC: SA587SW
Propeller Model: HC-A3VK-2A
Propeller T.C.: P6EA
Blade Model(s): MV8433NB-4
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0+-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8433NB-4	BLADE UNIT, ALUMINUM	3	Prop	

IDS No.: 2799 **Rev.:** **Date:** 9/24/2008
Modifier: Bemidji Aviation Services
Engine: IO-720-A1A
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes: STC originally issued to Swearingen Aircraft

Startlock Angle: NA
Feather/High Angle: 82.1+-1.0
Cwt Angle: Positive

Non-HPI Governor:

BEECH

Model: 95-55, -55A, -B55, -B55A, -B55B
Trade Name: BARON
Aircraft T.C./STC: STC-SA795CE
Propeller Model: DHC-C2YF-2CH(U)(F)
Propeller T.C.: P-920
Blade Model(s): FC8465-6
Prop Diameter: 78" TO 76.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8465-6	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	C-2285-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-6	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-6P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 229 **Rev.:** **Date:** 7/21/1999
Modifier: HARTZELL PROPELLER
Engine: IO-470-L
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: 21.5 +-1.5
Feather/High Angle: 80.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

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BEECH

Model: 95-55, -A55, -B55, -B55A, -B55B

Trade Name: BARON

Aircraft T.C./STC: STC-SA795CE

Propeller Model: BHC-C2YF-2CH(U)(F)

Propeller T.C.: P-920

Blade Model(s): FC8465-6

FC8465-6*1

FC8465B-6

Prop Diameter: 78" TO 76.5"

Prop Setup:

Ref. Radius: 30

Reverse Angle: NA

Low Pitch Angle: 16.0 +-0.1

IDS No.: 230

Rev.:

Date: 5/25/2004

Modifier: HARTZELL PROPELLER

Engine: IO-470-L

Power: 260 HP @ 2625 RPM

Placard/Restr:

Notes: Check for balance weight/travel tube interference during assembly on props with alcohol de-ice

Startlock Angle: 21.5 +-1.5

Feather/High Angle: 80.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00160	BHC-C2YF-2CHUF/FC8465-6/SM8	2	A/C	
PROPELLER	C2F00160STP	C2F00160/SM8/C-2285-6P/TWIN	1	A/C	
PROPELLER	C2F00170	BHC-C2YF-2CHUF/FC8465B-6/SM8	2	A/C	
PROPELLER	C2F00170STP	C2F00170/C-2285-6P/DE-ICE/TWIN	1	A/C	
BLADE	FC8465-6	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FC8465-6*1	IDS ITEM, BLADE, B-3202H-2 CWT	2	Prop	
BLADE	FC8465B-6	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	C-2285-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-6	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-6P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	C-2131-4	BOOT, ANTI-ICING	1	Blade	Blade Component
DE-ICE KIT_PR	A-2374-1	ANTI-ICING - KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 95-55, -A55, -B55, -B55A, -B55B

Trade Name: BARON

Aircraft T.C./STC: STC-SA795CE

Propeller Model: PHC-C3YF-2UF

Propeller T.C.: P25EA

Blade Model(s): FC7663-2R
FC7663-2R*2
FC7663B-2R*3
FC7663B-2R*4

Prop Diameter: 76.0" TO 74.5"

Prop Setup:

Ref. Radius: 30

Reverse Angle: NA

Low Pitch Angle: 13.5 +-0.1

IDS No.: 231

Rev.:

Date: 11/20/2006

Modifier: HARTZELL PROPELLER

Engine: IO-470-L

Power: 260 HP @ 2625 RPM

Placard/Restr:

Notes: Check for balance weight/travel tube interference during assembly on props with alcohol de-ice

Startlock Angle: 19.0 +-1.5

Feather/High Angle: 84.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00171	PHC-C3YF-2UF/FC7663-2R/SM9	2	A/C	
PROPELLER	C3F00171KD	PHC-C3YF-2UF/FC7663-2R/SM9	2	A/C	
PROPELLER	C3F00171SKDTP	C3F00171/SM9/C-3567-1P/TWIN	1	A/C	
PROPELLER	C3F00171STP	C3F00171/SM9/C-3567-1P/TWIN	1	A/C	
PROPELLER	C3F00181	PHC-C3YF-2UF/FC7663B-2R[*3]SM9	2	A/C	
PROPELLER	C3F00181KD	PHC-C3YF-2UF/FC7663B-2R[*3]SM9	2	A/C	
PROPELLER	C3F00181SKDTP	C3F00181/C-3567-1P/DE-ICE/TWIN	1	A/C	
PROPELLER	C3F00181STP	C3F00181/C-3567-1P/DE-ICE/TWIN	1	A/C	
BLADE	FC7663-2R	PCP:BLADE UNIT, B-3202H-5	3	Prop	
BLADE	FC7663-2R*2	IDS ITEM, [3,1,1], B-3202H-5	3	Prop	
BLADE	FC7663B-2R*3	PCP:BLADE UNIT, ALUM C-2131-3	3	Prop	
BLADE	FC7663B-2R*4	BLADE,BLACK,C-2131-3/B-3202H-5	3	Prop	
SPINNER	C-3567-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	C-2131-3	BOOT, ANTI-ICING	1	Blade	Blade Component
DE-ICE KIT_PR	A-2386-1	ANTI - ICE(BEECH 55&58) - KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-2 Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-12 Hub Only

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BEECH

Model: 95-55, -A55, -B55
Trade Name: BARON
Aircraft T.C./STC: STC-SA126CE
Propeller Model: HC-A3VF-2B, PHC-A3VF-2B
Propeller T.C.: P6EA
Blade Model(s): V7636
V7636N
Prop Diameter: 76.3" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.25 +-0.25

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V7636	IDS ITEM	3	Prop	
BLADE	V7636N	BLADE	3	Prop	
SPINNER	836-36	SPINNER ASSEMBLY	1	Prop	w/ De-ice
SPINNER	836-37	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2107 **Rev.:** **Date:** 11/21/2003
Modifier: HARTZELL PROPELLER
Engine: IO-470
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

BEECH

Model: 95-55, -A55, -B55
Trade Name: BARON
Aircraft T.C./STC: SA126CE
Propeller Model: PHC-A3MVF-2B
Propeller T.C.: P6EA
Blade Model(s): MV7636N
MV7636NB*1
Prop Diameter: 76.25"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV7636N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	MV7636NB*1	IDS ITEM, C-2131-5	3	Prop	
SPINNER	836-36	SPINNER ASSEMBLY	1	Prop	w/ De-ice
SPINNER	836-36P	SPINNER ASSEMBLY	1	Prop	w/ De-ice
SPINNER	836-37	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-37P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
DE-ICER	C-2131-5	BOOT, ANTI-ICING	1	Blade	Blade Component
MTG BOLT/STUD	A-1328-2	BOLT, MOUNTING, 1/2-20, 12 POINT	6	Prop	
MTG BOLT/STUD	A-1381	WASHER, 1/2" CRES	6	Prop	Washer

IDS No.: 2039 **Rev.:** 1 **Date:** 1/7/2011
Modifier: HARTZELL PROPELLER
Engine: IO-470-L
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.8 +-1.5
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

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BEECH

Model: 95-55, -A55, -B55
Trade Name: BARON
Aircraft T.C./STC: STC-SA126CE
Propeller Model: (P)HC-A3MVF-2B
Propeller T.C.: P6EA
Blade Model(s): MV7636N
Prop Diameter: 76.3" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.25 +-0.25

IDS No.: 222 **Rev.:** **Date:** 5/13/1998
Modifier: HARTZELL PROPELLER
Engine: IO-470
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV7636N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	836-36	SPINNER ASSEMBLY	1	Prop	w/ De-ice
SPINNER	836-37	SPINNER ASSEMBLY	1	Prop	

BEECH

Model: 95-C55(A), D55(A), E55(A)
Trade Name: BARON
Aircraft T.C./STC: STC-SA773CE
Propeller Model: BHC-C2YF-2C(H)(U)(F)
Propeller T.C.: P-920
Blade Model(s): FC8475-6*1
Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.1

IDS No.: 223 **Rev.:** **Date:** 5/27/2008
Modifier: HARTZELL PROPELLER
Engine: IO-520-C, -CB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 20.0 +-1.5
Feather/High Angle: 80.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8475-6*1	PCP:BLADE UNIT, B-3202H-2 CWT	2	Prop	
SPINNER	C-2285-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-6	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-6P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 95-C55(A), D55(A), E55(A)
Trade Name: BARON
Aircraft T.C./STC: STC-SA773CE
Propeller Model: BHC-C2YF-2C(H)(U)(F)
Propeller T.C.: P-920
Blade Model(s): FC8475-6
Prop Diameter: 78" TO 77"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.1

IDS No.: 225 **Rev.:** **Date:** 5/16/2008
Modifier: HARTZELL PROPELLER
Engine: IO-520-C, -CB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 20.0 +-1.5
Feather/High Angle: 80.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2F00180	BHC-C2YF-2CHUF/FC8475-6			
BLADE	FC8475-6	PCP:BLADE UNIT, B-3202H-4 CWT			
SPINNER	C-2285-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-6	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-6P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: E55, E55A
Trade Name: BARON
Aircraft T.C./STC: STC-SA773CE
Propeller Model: BHC-J2YF-2CU(F)
Propeller T.C.: P37EA
Blade Model(s): FC8475-6
FC8475-6*1
Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.1

IDS No.: 227 **Rev.:** **Date:** 3/22/2005
Modifier: HARTZELL PROPELLER
Engine: IO-520-C
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Use C-2285-4(P) or C-2285-5(P) with air conditioned installation. Use C-2285-1(P) or C-2285-6(P) with non-air conditioned installation.

Startlock Angle: 20.0 +-1.5
Feather/High Angle: 80.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J2F00060	BHC-J2YF-2CUF/FC8475-6/SM8	2	A/C	
BLADE	FC8475-6	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
BLADE	FC8475-6*1	PCP:BLADE UNIT, B-3202H-2 CWT	2	Prop	
SPINNER	C-2285-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-4	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-5	SPINNER ASSEMBLY	1	Prop	Air conditioned
SPINNER	C-2285-6	SPINNER ASSEMBLY	1	Prop	Non Air conditioned
SP_MT_KIT_DE-ICE	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 95-55, -A55, -B55, -B55A, -B55B
Trade Name: BARON
Aircraft T.C./STC: STC SA432SO
Propeller Model: EHC-G3YF-2UF
Propeller T.C.: P55GL
Blade Model(s): FC7663D-4T
 FC7663DB-4T
Prop Diameter: 74.0" NO CUT OFF

IDS No.: 233 **Rev.:** **Date:** 3/17/2007
Modifier: COLEMILL ENTERPRISES
Engine: IO-520-E, IO-550-E
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes: AFMS to STC allows EHC-G3YF-2 prop and IO-550-E engine. AFMS also adds -B55A and -B55B. Colemill installed FC7663-4T blades from 1989 through 1996 although STC approval is not apparent.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.8 +-0.1

Startlock Angle: 18.3 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00062	EHC-G3YF-2UF/FC7663D-4T/SM9	2	A/C	
PROPELLER	G3F00062KD	EHC-G3YF-2UF/FC7663D-4T/SM9	2	A/C	
PROPELLER	G3F00065	EHC-G3YF-2UF/FC7663DB-4T/SM9	2	A/C	
BLADE	FC7663D-4T	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7663DB-4T	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3567-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	C-2131-3	BOOT, ANTI-ICING	1	Blade	Blade Component
DE-ICE KIT_PR	A-2386-1	ANTI - ICE(BEECH 55&58) - KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: D55, D55A, E55, E55A, 95-C55, 95-C55A
Trade Name: BARON
Aircraft T.C./STC: STC-SA773CE
Propeller Model: PHC-C3YF-2(U)(F)
Propeller T.C.: P25EA
Blade Model(s): FC7663-2R
 FC7663-2R*2
 FC7663B-2R*3
 FC7663B-2R*4

Prop Diameter: 76" TO 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 226 **Rev.:** **Date:** 11/20/2006
Modifier: HARTZELL PROPELLER
Engine: IO-520-C, -CB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: Check for balance weight/travel tube interference during assembly on props with alcohol de-ice

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 83.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD D210439, 210662

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00170	PHC-C3YF-2UF/FC7663-2R/SM9	2	A/C	
PROPELLER	C3F00170KD	PHC-C3YF-2UF/FC7663-2R/SM9	2	A/C	
PROPELLER	C3F00170SKDTP	C3F00170/SM9/C-3567-1P/TWIN	1	A/C	
PROPELLER	C3F00170SKDTP*1	C3F00170/SM9/C-3567-4P/TWIN	1	A/C	
PROPELLER	C3F00170STP	C3F00170/SM9/C-3567-1P/TWIN	1	A/C	
PROPELLER	C3F00170STP*1	C3F00170/SM9/C-3567-4P/TWIN	1	A/C	
PROPELLER	C3F00182	PHC-C3YF-2UF/FC7663B-2R[*3]SM9	2	A/C	
PROPELLER	C3F00182KD	PHC-C3YF-2UF/FC7663B-2R[*3]SM9	2	A/C	
PROPELLER	C3F00182SKDTP	C3F00182/C-3567-1P/DE-ICE/TWIN	1	A/C	
PROPELLER	C3F00182SKDTP*1	C3F00182/C-3567-4P/DE-ICE/TWIN	1	A/C	
PROPELLER	C3F00182STP	C3F00182/C-3567-1P/DE-ICE/TWIN	1	A/C	
PROPELLER	C3F00182STP*1	C3F00182/C-3567-4P/DE-ICE/TWIN	1	A/C	
BLADE	FC7663-2R	PCP:BLADE UNIT, B-3202H-5	3	Prop	
BLADE	FC7663-2R*2	IDS ITEM, [3,1,1], B-3202H-5	3	Prop	
BLADE	FC7663B-2R*3	PCP:BLADE UNIT, ALUM C-2131-3	3	Prop	
BLADE	FC7663B-2R*4	BLADE, BLACK, C-2131-3/B-3202H-5	3	Prop	
SPINNER	C-3567-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-4	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	C-2131-3	BOOT, ANTI-ICING	1	Blade	Blade Component
DE-ICE KIT_PR	A-2386-1	ANTI - ICE(BEECH 55&58) - KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-2 Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-12 Hub Only

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BEECH

Model: E55, E55A
Trade Name: BARON
Aircraft T.C./STC: STC-SA773CE
Propeller Model: PHC-J3YF-2(U)(F)
Propeller T.C.: P36EA
Blade Model(s): FC7663-2R
Prop Diameter: 76" TO 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 228 **Rev.:** **Date:** 10/2/1992
Modifier: HARTZELL PROPELLER
Engine: IO-520-C
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +/-1.5
Feather/High Angle: 82.0 +/-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC7663-2R	PCP:BLADE UNIT, B-3202H-5	3	Prop	
SPINNER	C-3567-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 95-55, -A55, -B55
Trade Name: BARON
Aircraft T.C./STC: STC-SA432SO
Propeller Model: EHC-A3MVF-2B
Propeller T.C.: P6EA
Blade Model(s): MV7636N
 MV7636N-2R
 MV7636NB
 MV7636NB-2R
 MV7636NB-2R*1
 V7636NB-2R
 V7636NB-2R*1

Prop Diameter: 74.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.8 +-0.1

IDS No.: 237 **Rev.:** 1 **Date:** 1/7/2011
Modifier: COLEMILL
Engine: IO-520-E
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes: Use B-2982 Spacer

Startlock Angle: 18.3 +-1.5
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3F10010	EHC-A3MVF-2B/MV7636N	2	A/C	
PROPELLER	A3F10020	EHC-A3MVF-2B/MV7636NB	2	A/C	
BLADE	MV7636N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	MV7636N-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	MV7636NB	PCP:BLADE UNIT, ALUM, 4H1188-3	3	Prop	
BLADE	MV7636NB-2R	PCP:BLADE UNIT, ALUM, 4H1188-3	3	Prop	
BLADE	MV7636NB-2R*1	IDS ITEM, BLADE, C-2131-5 BOOT	3	Prop	
BLADE	V7636NB-2R	BLADE UNIT, ALUMINUM, 4E1188-3	3	Prop	REPLACED BY MV7636NB-2R
BLADE	V7636NB-2R*1	IDS ITEM, C-2131-5	3	Prop	REPLACED BY MV7636NB-2R
SPINNER	836-36	SPINNER ASSEMBLY	1	Prop	w/ De-ice
SPINNER	836-36P	SPINNER ASSEMBLY	1	Prop	w/ De-ice
SPINNER	836-37	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-37P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICER	C-2131-5	BOOT, ANTI-ICING	1	Blade	Blade Component
DE-ICE KIT_PR	7931-77-230	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2983	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 95-C55, -D55, -E55; 58, 58A
Trade Name: BARON
Aircraft T.C./STC: STC-SA3845SW
Propeller Model: PHC-J3YF-2UF
Propeller T.C.: P36EA
Blade Model(s): FC7663-2R
 FC7663B-2R*3
Prop Diameter: 76"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 235 **Rev.:** **Date:** 9/6/2000
Modifier: D'SHANNON PRODUCTS
Engine: IO-550-C
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 83.0 +- .5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00061	PHC-J3YF-2UF/FC7663B-2R[*3]SM9	2	A/C	
BLADE	FC7663-2R	PCP:BLADE UNIT, B-3202H-5	3	Prop	
BLADE	FC7663B-2R*3	PCP:BLADE UNIT, ALUM C-2131-3	3	Prop	
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	C-2131-3	BOOT, ANTI-ICING	1	Blade	Blade Component
DE-ICE KIT_PR	A-2386	ANTI - ICE(BEECH 55&58) - KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: C55, D55, E55, 58
Trade Name: FOXSTAR BARON
Aircraft T.C./STC: STC-SA1762SO
Propeller Model: HC-C4YF-2E
Propeller T.C.: P52GL
Blade Model(s): FC7063Q
Prop Diameter: 74.25"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

IDS No.: 236 **Rev.:** **Date:** 8/25/1999
Modifier: COLEMILL
Engine: IO-550-C
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Use B-1715 extension kit. Measure stud length from extension face.

Startlock Angle: 19.0 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C4F00020	HC-C4YF-2E/FC7063Q/SM20	2	A/C	
BLADE	FC7063Q	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-4511-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-20	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	B-1739	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 56TC, A56TC
Trade Name: TURBO BARON
Aircraft T.C./STC: 3A16
Propeller Model: HC-F3YR-2(U)(F)
Propeller T.C.: P31EA
Blade Model(s): FC7479-2R
 FC7479B-2R*1
 FC7479B-2R*2
Prop Diameter: 74" NO CUT OFF

IDS No.: 239 **Rev.:** **Date:** 7/13/2005
Modifier:
Engine: TIO-541-E1B4
Power: 380 HP @ 2900 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Startlock Angle: 19.5 +-1.5
Feather/High Angle: 81.7 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	F3R00061	HC-F3YR-2UF/FC7479B-2R[*1]/SM9	2	A/C	
PROPELLER	F3R00061KD	HC-F3YR-2UF/FC7479B-2R[*1]/SM9	2	A/C	
BLADE	FC7479-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7479B-2R*1	PCP:BLADE UNIT, ALUM 4H1188-3	3	Prop	
BLADE	FC7479B-2R*2	IDS ITEM, BLADE, 4E1188-3 @ 4"	3	Prop	
SPINNER	C-3269	IDS Item	1	Prop	
SPINNER	D-3273	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3273-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-3	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: 56TC
Trade Name: BARON
Aircraft T.C./STC: SA01270NY
Propeller Model: HC-F3YR-2U(F)
Propeller T.C.: P31EA
Blade Model(s): FC8468-6R*3
Prop Diameter: 80

IDS No.: 2464 **Rev.:** **Date:** 4/14/2004
Modifier: Randolph Bazet
Engine: IO-540-K1B5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: STC is limited to aircraft S/N TG-79

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.2

Startlock Angle: 21.0 +-1.5
Feather/High Angle: 81.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	F3R00090	HC-F3YR-2UF/FC8468-6R[*3]/SM9	2	A/C	
BLADE	FC8468-6R*3	PCP:BLADE UNIT, ALUM B-3202H-2	3	Prop	
SPINNER	C-3269P	IDS Item	2	A/C	
SPINNER	D-3273-P	SPINNER ASSEMBLY	2	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 58P, 58PA
Trade Name: BARON
Aircraft T.C./STC: A23CE
Propeller Model: PHC-J3YF-2(U)F
Propeller T.C.: P36EA
Blade Model(s): FC8468-6R
FC8468B-6R*2

Prop Diameter: 80" TO 79.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 240 **Rev.:** **Date:** 6/6/2006
Modifier:
Engine: TSIO-520-L, -LB
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 83.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: BEECH

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00089	PHC-J3YF-2UF/FC8468-6R	2	A/C	
BLADE	FC8468-6R	PCP:BLADE,UNIT, ALUM B-3202H-2	3	Prop	
BLADE	FC8468B-6R*2	IDS ITEM, 4E1601-7, B-3202H-2	3	Prop	
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	7931-4E1601-7	PROP DE-ICER	1	Blade	Blade Component
DE-ICE KIT_PR	7931-65-085-A	DE-ICE KIT,4H1967-4 (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 58P, 58PA, 58TC, 58TCA

Trade Name: BARON

Aircraft T.C./STC: A23CE

Propeller Model: PHC-J3YF-2(U)F

Propeller T.C.: P36EA

Blade Model(s): FC7663DR
FC7663DRB
FC7663DRB*1
FC7663DRK

Prop Diameter: 78" TO 77.5"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 15.3 +-0.1

IDS No.: 241

Rev.:

Date: 4/14/2009

Modifier:

Engine: TSIO-520-WB

Power: 325 HP @ 2700 RPM

Placard/Restr:

Notes: Engine Ratings Note: TSIO-520-L, -LB (310hp) Deice kits 65-085-A, 65-085-A*1 (ALTERNATE) and 67-125-3 are boots and wire harness only. See BFG Dwg for complete kit listing.

Startlock Angle: 20.8 +-1.5

Feather/High Angle: 84.0 +-0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: BEECH

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00070	PHC-J3YF-2UF/FC7663DR/SM9	2	A/C	
PROPELLER	J3F00080	PHC-J3YF-2UF/FC7663DRB/SM9	2	A/C	
PROPELLER	J3F00084	PHC-J3YF-2UF/FC7663DRB[*1]/SM9	2	A/C	
PROPELLER	J3F00084KD	PHC-J3YF-2UF/FC7663DRB[*1]/SM9	2	A/C	
PROPELLER	J3F00085	PHC-J3YF-2UF/FC7663DRK	2	A/C	
PROPELLER	J3F00085KD	PHC-J3YF-2UF/FC7663DRK	2	A/C	
BLADE	FC7663DR	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7663DRB	FC7663DR BLADE, 4E1601-7 BOOT	3	Prop	
BLADE	FC7663DRB*1	PCP:BLADE UNIT,ALUM 4H1601-14	3	Prop	
BLADE	FC7663DRK	PCP:BLADE UNIT, ALUM 4H2271-10	3	Prop	
SPINNER	C-3567	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3567-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-14	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-14
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICER	7931-4E1601-7	PROP DE-ICER	1	Blade	Blade Component
DE-ICE KIT_PR	7931-65-085-A	DE-ICE KIT,4H1967-4 (ONE PROP)	1	Prop	For FC7663DRB
DE-ICE KIT_PR	7931-65-085-A*1	DE-ICE KIT,4H1967-3 (ONE PROP)	1	Prop	For FC7663DRB*1
DE-ICE KIT_PR	7931-67-125-3	DE-ICE KIT (ONE PROP)	1	Prop	For FC7663DRK
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 58, 58A
Trade Name: BARON
Aircraft T.C./STC: STC-SA773CE
Propeller Model: BHC-J2YF-2C(F)
Propeller T.C.: P37EA
Blade Model(s): FC8475-6
 FC8475-6*1
 FC8475B-6*1
Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 246 **Rev.:** **Date:** 8/24/2006

Modifier: HARTZELL PROPELLER

Engine: IO-520-C

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes: Use C-2285-4(P) or C-2285-5(P) with air conditioned installation. Use C-2285(P), C-2285-1(P) or C-2285-6(P) with non-air conditioned installation.

Startlock Angle: 20.0 +-1.5

Feather/High Angle: 80.0 +-0.5

Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J2F00060	BHC-J2YF-2CUF/FC8475-6/SM8	2	A/C	
PROPELLER	J2F00062	BHC-J2YF-2CUF/FC8475B-6[*1/SM8	2	A/C	
BLADE	FC8475-6	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
BLADE	FC8475-6*1	PCP:BLADE UNIT, B-3202H-2 CWT	2	Prop	
BLADE	FC8475B-6*1	PCP:BLADE UNIT, C-2131-4	2	Prop	
SPINNER	C-2285	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-4	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-4P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-5	SPINNER ASSEMBLY	1	Prop	Air conditioned
SPINNER	C-2285-6	SPINNER ASSEMBLY	1	Prop	Non air conditioned
SP_MT_KIT_DE-ICE	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	C-2131-4	BOOT, ANTI-ICING	1	Blade	
DE-ICE KIT_PR	A-2374	ANTI-ICING - KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 58, 58A
Trade Name: BARON
Aircraft T.C./STC: STC-SA773CE
Propeller Model: BHC-J2YF-2CU(F)
Propeller T.C.: P37EA
Blade Model(s): FC8475-6
 FC8475-6*1
 FC8475B-6*1
Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 247 **Rev.:** **Date:** 8/24/2006

Modifier: HARTZELL PROPELLER

Engine: IO-520-C

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes: Use C-2285-4(P) or C-2285-5(P) with air conditioned installation. Use C-2285(P), C-2285-1(P) or C-2285-6(P) with non-air conditioned installation.

Startlock Angle: 20.0 +-1.5

Feather/High Angle: 80.0 +-0.5

Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J2F00060	BHC-J2YF-2CUF/FC8475-6/SM8	2	A/C	
PROPELLER	J2F00062	BHC-J2YF-2CUF/FC8475B-6[*1/SM8	2	A/C	
BLADE	FC8475-6	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
BLADE	FC8475-6*1	PCP:BLADE UNIT, B-3202H-2 CWT	2	Prop	
BLADE	FC8475B-6*1	PCP:BLADE UNIT, C-2131-4	2	Prop	
SPINNER	C-2285	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-4	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-5	SPINNER ASSEMBLY	1	Prop	Air conditioned
SPINNER	C-2285-6	SPINNER ASSEMBLY	1	Prop	Non air conditioned
SPINNER	C-2285P	IDS ITEM	1	Prop	
SP_MT_KIT_DE-ICE	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	C-2131-4	BOOT, ANTI-ICING	1	Blade	
DE-ICE KIT_PR	A-2374	ANTI-ICING - KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 58, 58A, G58
Trade Name: BARON
Aircraft T.C./STC: SA 10551SC
Propeller Model: PHC-J3YF-2UF
Propeller T.C.: P36EA
Blade Model(s): FC7391D
 FC7391DK

IDS No.: 2492 **Rev.:** 1 **Date:** 11/15/2010
Modifier: HARTZELL PROPELLER INC
Engine: IO-550-C
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Diameter: 75"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.8 +-0.2

Startlock Angle: 18.5 +-1.0
Feather/High Angle: 80 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00116	PHC-J3YF-2UF/FC7391D/SM17			
PROPELLER	J3F00116KD	PHC-J3YF-2UF/FC7391D/SM17			
PROPELLER	J3F00116SKDTP	J3F00116/SM17/C-3567-1P	1	A/C	
PROPELLER	J3F00116SKDTP*1	J3F00116/SM17/C-3567-4P	1	A/C	
PROPELLER	J3F00116STP	J3F00116/SM17/C-3567-1P	1	A/C	
PROPELLER	J3F00116STP*1	J3F00116/SM17/C-3567-4P	1	A/C	
PROPELLER	J3F00135	PHC-J3YF-2UF/FC7391DK/SM17			
PROPELLER	J3F00135KD	PHC-J3YF-2UF/FC7391DK/SM17			
PROPELLER	J3F00135SKDTP	J3F00135/SM17/C-3567-1P/TWIN	1	A/C	
PROPELLER	J3F00135SKDTP*1	J3F00135/SM17/C-3567-4P/TWIN	1	A/C	
PROPELLER	J3F00135SKDTP*2	J3F00135/SM17/C-3567-1P/TWIN	1	A/C	
PROPELLER	J3F00135SKDTP*3	J3F00135/SM17/C-3567-4P/TWIN	1	A/C	
PROPELLER	J3F00135STP	J3F00135/SM17/C-3567-1P/TWIN	1	A/C	
PROPELLER	J3F00135STP*1	J3F00135/SM17/C-3567-4P/TWIN	1	A/C	
PROPELLER	J3F00135STP*2	J3F00135/SM17/C-3567-1P/TWIN	1	A/C	
PROPELLER	J3F00135STP*3	J3F00135/SM17/C-3567-4P/TWIN	1	A/C	
BLADE	FC7391D	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
BLADE	FC7391DK	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ A/C
SPIN MTG KIT	A-2476-17	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2271-15	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-15
DE-ICE KIT_PR	7931-5E2793-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-5E2793-4	AIRFRAME DE-ICE NO AC MC PROP	1	A/C	
DE-ICE KIT_A/F	7931-5E2793-5	AIRFRAME DE-ICE W/AC MC PROP	1	A/C	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 58, 58A, G58
Trade Name: BARON
Aircraft T.C./STC: SA10551SC
Propeller Model: PHC-J3YF-2UF
Propeller T.C.: P36EA
Blade Model(s): FC7391D*1
 FC7391D*2
 FC7391DK*1
 FC7391DK*2
 FC7391DK*3

Prop Diameter: 75-73"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.8 +-0.2

IDS No.: 2885 **Rev.:** 2 **Date:** 7/1/2010
Modifier: HARTZELL PROPELLER INC
Engine: IO-550-C
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: For new production aircraft

Startlock Angle: 18.5 +-1.0

Feather/High Angle: 80 +-0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00118S	PHC-J3YF-2UF/FC7391D[*1]/SM17	2	A/C	Prop for use on aircraft without A/C, no de-ice, white tip stripes, includes C-3567-1P spinner
PROPELLER	J3F00119S	PHC-J3YF-2UF/FC7391D[*1]/SM17	2	A/C	Prop for use on aircraft with A/C, no de-ice, white tip stripes, includes C-3567-4P spinner
PROPELLER	J3F00136S	PHC-J3YF-2UF/FC7391DK[*1]/SM17	2	A/C	De-Iced prop for use on aircraft without A/C, white tip stripes, includes C-3567-1P spinner
PROPELLER	J3F00137S	PHC-J3YF-2UF/FC7391DK[*1]/SM17	2	A/C	De-Iced prop for use on aircraft with A/C, white tip stripes, includes C-3567-4P spinner
PROPELLER	J3F10800S	PHC-J3YF-2UF/FC7391D[*2]/SM17	2	A/C	Prop for use on aircraft with A/C, no de-ice, silver tip stripes, includes C-3567-4P spinner
PROPELLER	J3F10801S	PHC-J3YF-2UF/FC7391D[*2]/SM17	2	A/C	Prop for use on aircraft without A/C, no de-ice, silver tip stripes, includes C-3567-1P spinner
PROPELLER	J3F10850S	PHC-J3YF-2UF/FC7391DK[*2]/SM17	2	A/C	De-Iced prop for use on aircraft with A/C, silver tip stripes, includes C-3567-4P spinner
PROPELLER	J3F10851S	PHC-J3YF-2UF/FC7391DK[*2]/SM17	2	A/C	De-Iced prop for use on aircraft without A/C, silver tip stripes, includes C-3567-1P spinner
PROPELLER	J3F10880S	PHC-J3YF-2UF/FC7391DK[*3]/SM17	2	A/C	De-Iced prop for use on aircraft with A/C, gold tip stripes, includes C-3567-4P spinner
PROPELLER	J3F10881S	PHC-J3YF-2UF/FC7391DK[*3]/SM17	2	A/C	De-Iced prop for use on aircraft without A/C, gold tip stripes, includes C-3567-1P spinner
BLADE	FC7391D*1	PCP:BLADE UNIT, ALUM [3,1,5]	3	Prop	Blade with white tip stripes, no de-ice boot
BLADE	FC7391D*2	PCP:BLADE UNIT, ALUM [3,24,11]	3	Prop	Blade with silver tip stripes, no de-ice boot
BLADE	FC7391DK*1	PCP:BLADE UNIT, ALUM [3,1,5]	3	Prop	Blade with white tip stripes, includes de-icer
BLADE	FC7391DK*2	PCP:BLADE UNIT, ALUM [3,24,11]	3	Prop	Blade with silver tip stripes, includes de-icer
BLADE	FC7391DK*3	PCP:BLADE UNIT, ALUM [3,21,11]	3	Prop	Blade with gold tip stripes, includes de-icer
SPINNER	C-3567-1	SPINNER ASSEMBLY, "CNC"	1	Prop	Non-polished spinner, for use on aircraft without A/C
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	Polished spinner, for use on aircraft without A/C

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SPINNER	C-3567-4	SPINNER ASSEMBLY, "CNC"	1	Prop	Non-polished spinner, for use on aircraft with A/C
SPINNER	C-3567-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	Polished spinner, for use on aircraft with A/C
SPIN MTG KIT	A-2476-17	SPINNER - MTG KIT	1	Prop	Included with every prop on this IDS
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2271-15	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-15
DE-ICE KIT_PR	103294-1	DE-ICE KIT (ONE PROP)	1	Prop	Included with de-iced props on this IDS
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Included with every prop on this IDS

BEECH

Model: 58, 58A

Trade Name: BARON

Aircraft T.C./STC: SA02561CH-D

Propeller Model: PHC-J3YF-2UF

Propeller T.C.: P36EA

Blade Model(s): FC7391DB*1

Prop Diameter: 75"-73"

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle: 12.5 +-0.2

IDS No.: 2774

Rev.: 1

Date: 11/15/2010

Modifier: HARTZELL PROPELLER

Engine: IO-520-C, -CB (IO-550-C, 300 HP)

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: 18.5 +-1.0

Feather/High Angle: 80.0 +-0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00130	PHC-J3YF-2UF/FC7391DB[*1]/SM17			
PROPELLER	J3F00130KD	PHC-J3YF-2UF/FC7391DB[*1]/SM17			
BLADE	FC7391DB*1	PCP:BLADE UNIT, C-2131-3	3	Prop	
SPINNER	C-3567-7	SPINNER ASSEMBLY, "CNC"	2	A/C	
SPINNER	C-3567-7P	SPINNER ASSEMBLY, "CNC"	2	A/C	
SPINNER	C-3567-8	SPINNER ASSEMBLY, "CNC"	2	A/C	
SPINNER	C-3567-8P	SPINNER ASSEMBLY, "CNC"	2	A/C	
SPIN MTG KIT	A-2476-17	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	C-2131-3	BOOT, ANTI-ICING	1	Blade	
DE-ICE KIT_PR	102679-1	ANTI-ICE KIT (ONE PROP)	1	Prop	Kit w/o air conditioning
DE-ICE KIT_PR	102679-2	ANTI-ICE KIT (ONE PROP)	1	Prop	Kit for air conditioning
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 58, 58A
Trade Name: BARON
Aircraft T.C./STC: STC-SA773CE
Propeller Model: PHC-J3YF-2UF
Propeller T.C.: P36EA
Blade Model(s): FC7663-2R
 FC7663-2R*2
 FC7663B-2R*3
 FC7663B-2R*4

Prop Diameter: 76" TO 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 248 **Rev.:** **Date:** 3/28/2006

Modifier: HARTZELL PROPELLER

Engine: IO-520-C

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes: Refer to Aircraft TC for anti-ice approval.
 Check for balance weight/travel tube interference during assembly on props with alcohol de-ice.

Startlock Angle: 18.5 +-1.5

Feather/High Angle: 82.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00060	PHC-J3YF-2UF/FC7663-2R/SM9	2	A/C	
PROPELLER	J3F00060KD	PHC-J3YF-2UF/FC7663-2R/SM9	2	A/C	
PROPELLER	J3F00060SKDTP	J3F00060/SM9/C-3567-1P/TWIN	1	A/C	
PROPELLER	J3F00060SKDTP*1	J3F00060/SM9/C-3567-4P/TWIN	1	A/C	
PROPELLER	J3F00060STP	J3F00060/SM9/C-3567-1P/TWIN	1	A/C	
PROPELLER	J3F00060STP*1	J3F00060/SM9/C-3567-4P/TWIN	1	A/C	
PROPELLER	J3F00062	PHC-J3YF-2UF/FC7663B-2R[*3]SM9	2	A/C	
PROPELLER	J3F00062KD	PHC-J3YF-2UF/FC7663B-2R[*3]SM9	2	A/C	
PROPELLER	J3F00062SKDTP	J3F00062/C-3567-1P/DE-ICE/TWIN	1	A/C	
PROPELLER	J3F00062SKDTP*1	J3F00062/C-3567-4P/DE-ICE/TWIN	1	A/C	
PROPELLER	J3F00062STP	J3F00062/C-3567-1P/DE-ICE/TWIN	1	A/C	
PROPELLER	J3F00062STP*1	J3F00062/C-3567-4P/DE-ICE/TWIN	1	A/C	
BLADE	FC7663-2R	PCP:BLADE UNIT, B-3202H-5	3	Prop	
BLADE	FC7663-2R*2	IDS ITEM, [3,1,1], B-3202H-5	3	Prop	
BLADE	FC7663B-2R*3	PCP:BLADE UNIT, ALUM C-2131-3	3	Prop	
BLADE	FC7663B-2R*4	BLADE, BLACK, C-2131-3/B-3202H-5	3	Prop	
SPINNER	C-3567	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3567-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-4	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ A/C
SPINNER	C-3567-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	C-2131-3	BOOT, ANTI-ICING	1	Blade	Blade Component
DE-ICE KIT_PR	A-2386	ANTI - ICE(BEECH 55&58) - KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 58, 58A
Trade Name: BARON
Aircraft T.C./STC: STC-SA773CE
Propeller Model: PHC-J3YF-2(U)(F)
Propeller T.C.: P36EA
Blade Model(s): FC7663-2R
 FC7663B-2R
Prop Diameter: 76" TO 74"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 249 **Rev.:** **Date:** 10/4/2006
Modifier: HARTZELL PROPELLER
Engine: IO-520-C
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC7663-2R	PCP:BLADE UNIT, B-3202H-5	3	Prop	
BLADE	FC7663B-2R	PCP:BLADE UNIT, 4H1188-3 BOOT	3	Prop	
SPINNER	C-3567	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3567-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-4	SPINNER ASSEMBLY, "CNC"	1	Prop	WITH AIR CONDITIONING
SPINNER	C-3567-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	WITH AIR CONDITIONING
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	7931-4E1188-3	PROP DE-ICER	1	Blade	
DE-ICE KIT_PR	A-2386	ANTI - ICE(BEECH 55&58) - KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 58P, 58TC
Trade Name: BARON
Aircraft T.C./STC: STC-SA1207NW
Propeller Model: PHC-J3YF-2UF
Propeller T.C.: P36EA
Blade Model(s): FC7663DRB
 FC7663DRB*1
Prop Diameter: 78" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 15.3 +-0.1

IDS No.: 245 **Rev.:** 1 **Date:** 10/12/2011
Modifier: RAM AIRCRAFT CORP
Engine: TSIO-520-WB
Power: 325 HP @ 2700 RPM
Placard/Restr:
Notes: For Model 58TC, the STC only applies to aircraft S/N TK-1 through TK-84

Startlock Angle: 20.8 +-1.5
Feather/High Angle: 84.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00080	PHC-J3YF-2UF/FC7663DRB/SM9	2	A/C	
PROPELLER	J3F00084	PHC-J3YF-2UF/FC7663DRB[*1]/SM9	2	A/C	Prop equipped with de-ice kit and de-ice boots
PROPELLER	J3F00084KD	PHC-J3YF-2UF/FC7663DRB[*1]/SM9	2	A/C	Same as J3F00084 except dis-assembled for shipment
BLADE	FC7663DRB	FC7663DR BLADE, 4E1601-7 BOOT	3	Prop	
BLADE	FC7663DRB*1	PCP:BLADE UNIT,ALUM 4H1601-14	3	Prop	Blade with de-ice boot
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	Polished spinner, sold separately
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-14	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-14
DE-ICER	4H1601-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-7
DE-ICE KIT_PR	7931-65-085-A	DE-ICE KIT,4H1967-4 (ONE PROP)	1	Prop	For FC7663DRB
DE-ICE KIT_PR	7931-65-085-A*1	DE-ICE KIT,4H1967-3 (ONE PROP)	1	Prop	For FC7663DRB*1
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Included in all prop assemblies on this IDS

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BEECH

Model: 58, 58A, G58
Trade Name: BARON
Aircraft T.C./STC: STC-SA5533NM
Propeller Model: PHC-J3YF-2UF
Propeller T.C.: P36EA
Blade Model(s): FC7663-2R
 FC7663K-2R
Prop Diameter: 76" TO 74"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 244 **Rev.:** **Date:** 8/13/2008
Modifier: HARTZELL PROPELLER
Engine: IO-550-C
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Aftermarket installation - Refer to IDS no. 1599 for OEM installation.

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 82.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00058	PHC-J3YF-2UF/FC7663-2R/SM9	2	A/C	
PROPELLER	J3F00058KD	PHC-J3YF-2UF/FC7663-2R/SM9	2	A/C	
PROPELLER	J3F00058SKDTP	J3F00058/SM9/C-3567-1P/TWIN	1	A/C	
PROPELLER	J3F00058SKDTP*1	J3F00058/SM9/C-3567-4P/TWIN	1	A/C	
PROPELLER	J3F00058STP	J3F00058/SM9/C-3567-1P/TWIN	1	A/C	
PROPELLER	J3F00058STP*1	J3F00058/SM9/C-3567-4P/TWIN	1	A/C	
PROPELLER	J3F00088	PHC-J3YF-2UF/FC7663K-2R/SM9	2	A/C	
PROPELLER	J3F00088KD	PHC-J3YF-2UF/FC7663K-2R/SM9	2	A/C	
PROPELLER	J3F00088SKDTP	J3F00088/C-3567-1P/DE-ICE/TWIN	1	A/C	
PROPELLER	J3F00088SKDTP*1	J3F00088/C-3567-4P/DE-ICE/TWIN	1	A/C	
PROPELLER	J3F00088STP	J3F00088/C-3567-1P/DE-ICE/TWIN	1	A/C	
PROPELLER	J3F00088STP*1	J3F00088/C-3567-4P/DE-ICE/TWIN	1	A/C	
BLADE	FC7663-2R	PCP:BLADE UNIT, B-3202H-5	3	Prop	
BLADE	FC7663K-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3567-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-4	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	102746	DE-ICE BOOT	1	Blade	Supersedes 4H2271-13&4E2271-13
DE-ICE KIT_PR	7931-67-940-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-67-940-2	AIRFRAME DE-ICE W/O AC	1	A/C	w/o A/C
DE-ICE KIT_A/F	7931-67-940-3	AIRFRAME DE-ICE W/AC	1	A/C	w/ A/C
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 58, 58A, G58
Trade Name: BARON
Aircraft T.C./STC: STC-SA5533NM
Propeller Model: PHC-J3YF-2UF
Propeller T.C.: P36EA
Blade Model(s): FC7663-2R
 FC7663K-2R
Prop Diameter: 76" TO 74"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 1599 **Rev.:** 2 **Date:** 7/1/2010
Modifier: HARTZELL PROPELLER
Engine: IO-550-C
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Raytheon OEM - Refer to IDS no. 244 for aftermarket installation.

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 82.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00059	PHC-J3YF-2UF/FC7663-2R/SM9			Basic prop (no spinner, no de-ice)
PROPELLER	J3F00059-11	PHC-J3YF-2UF/FC7663K-2R/+SPIN			Prop for use on aircraft with A/C, de-iced, with C-3567-4P spinner
PROPELLER	J3F00059-80	PHC-J3YF-2UF/FC7663-2R/+SPIN			Prop for use on aircraft without A/C, de-iced, with C-3567-1P spinner
PROPELLER	J3F00059-81	PHC-J3YF-2UF/FC7663K-2R/+SPIN			Prop for use on aircraft without A/C, de-iced, with C-3567-1P spinner
BLADE	FC7663-2R	PCP:BLADE UNIT, B-3202H-5	3	Prop	Blade (no de-icer), included on all non de-iced props on this IDS
BLADE	FC7663K-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	Blade with de-ice boot, included on all de-iced props on this IDS
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	Polished Spinner for use on aircraft without A/C
SPINNER	C-3567-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	Polished Spinner for use on aircraft with A/C
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	Included with every propeller on this IDS
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	102746	DE-ICE BOOT	1	Blade	Component on de-iced blade, Supersedes 4H2271-13 & 4E2271-13
DE-ICE KIT_PR	7931-67-940-1	DE-ICE KIT (ONE PROP)	1	Prop	Included on -11 and -81 props
DE-ICE KIT_A/F	7931-67-940-2	AIRFRAME DE-ICE W/O AC	1	A/C	For use on aircraft without A/C
DE-ICE KIT_A/F	7931-67-940-3	AIRFRAME DE-ICE W/AC	1	A/C	For use on aircraft with A/C
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Included on every prop on this IDS

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BEECH

Model: 58P, 58TC
Trade Name: BARON
Aircraft T.C./STC: STC-SA538GL
Propeller Model: PHC-A3MVF-5R
Propeller T.C.:
Blade Model(s): MV7636NRB
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 17.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 243 **Rev.:** **Date:** 5/13/1998

Modifier: THAMER (TARD INC.)
Engine: TSIO-520-L, -LB, -WB
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 21.0 +-1.0
Feather/High Angle: 78.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636NRB	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-5243	IDS Item	1	Prop	
CWT_SLUG	A-890-12	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-12H	BOLT, 1/4-28, HEX HEAD	2	Blade	

BEECH

Model: 58P, 58TC
Trade Name: BARON
Aircraft T.C./STC: STC-SA538GL
Propeller Model: PHC-83VF-5R, PHC-A3VF-5R
Propeller T.C.:
Blade Model(s): V7636NRB
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 17.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2108 **Rev.:** **Date:** 11/21/2003

Modifier: THAMER (TARD INC.)
Engine: TSIO-520-L, -LB, -WB
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 21.0 +-1.0
Feather/High Angle: 78.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636NRB	BLADE	3	Prop	
SPINNER	D-5243	IDS Item	1	Prop	
CWT_SLUG	A-890-12	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-12H	BOLT, 1/4-28, HEX HEAD	2	Blade	

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BEECH

Model: 58, 58A
Trade Name: BARON
Aircraft T.C./STC: SA 10551SC
Propeller Model: PHC-J3YF-2UF
Propeller T.C.: P36EA
Blade Model(s): FC7391D
Prop Diameter: 75"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2630 **Rev.:** **Date:** 8/9/2006
Modifier: HARTZELL PROPELLER INC
Engine: IO-520-C, -CB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +-1.0
Feather/High Angle: 80.0 +-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00117	PHC-J3YF-2UF/FC7391D/SM17	2	A/C	
BLADE	FC7391D	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	C-3567-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-4	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ A/C
SPIN MTG KIT	A-2476-17	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 60, A60, B60
Trade Name: DUKE
Aircraft T.C./STC: A12CE
Propeller Model: HC-F3YR-2, -2F, -2UF
Propeller T.C.: P31EA
Blade Model(s): FC7479-2R
 FC7479B-2R
 FC7479B-2R*1
 FC7479K-2R

Prop Diameter: 74.0" TO 73.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

IDS No.: 250 **Rev.:** **Date:** 4/5/2007

Modifier:
Engine: TIO-541-E1A4, -E1C4
Power: 380 HP @ 2900 RPM
Placard/Restr:
Notes:

Startlock Angle: 19.0 +-1.5
Feather/High Angle: 81.7 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F3R00050	HC-F3YR-2UF/FC7479-2R/SM9	2	A/C	
PROPELLER	F3R00060	HC-F3YR-2UF/FC7479B-2R/SM9	2	A/C	
PROPELLER	F3R00060KD	HC-F3YR-2UF/FC7479B-2R/SM9	2	A/C	
BLADE	FC7479-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7479B-2R	PCP:BLADE UNIT, ALUM 4H1601-7	3	Prop	
BLADE	FC7479B-2R*1	PCP:BLADE UNIT, ALUM 4H1188-3	3	Prop	
BLADE	FC7479K-2R	PCP:BLADE UNIT, ALUM 4H2271-10	3	Prop	
SPINNER	D-3273	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3273-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-3	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICER	7931-4E1601-7	PROP DE-ICER	1	Blade	Blade Component
DE-ICE KIT_PR	7931-67-240-1	DE-ICE KIT	1	Prop	For use with FC7479K-2R blade
DE-ICE KIT_PR	7931-77-040	IDS ITEM	1	Prop	
DE-ICE KIT_PR	7931-77-045-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-77-170	IDS ITEM	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: B60 (only)
Trade Name:
Aircraft T.C./STC: STC SA01672SE
Propeller Model: HC-E4N-3N
Propeller T.C.: P10NE

Blade Model(s): D8292-2
D8292B-2

Prop Diameter: 80.5"- 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 19.7 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2613 **Rev.:** 2 **Date:** 8/25/2010
Modifier: Northwest Turbine, LLC
Engine: PT6A-35, PT6A-21
Power: 525 HP @ 2190 RPM
Placard/Restr: Stabilized ground operation is prohibited between 450 and 1250 RPM. The propeller may be operated while feathered at or below 450 RPM.
Notes: Modified by Rocket Engineering

Startlock Angle: NA
Feather/High Angle: 83.2 +-0.5
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00530S	HC-E4N-3N/D8292-2/D-630-1P	2	A/C	
PROPELLER	E4N00530SKD	HC-E4N-3N/D8292-2/D-630-1P	2	A/C	
PROPELLER	E4N00550S	HC-E4N-3N/D8292B-2/D-630-1P	2	A/C	
BLADE	D8292-2	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	D8292B-2	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
SPINNER	D-630-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	B-3384-2H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	8	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-3	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H1601-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-10
DE-ICE KIT_PR	7931-5E2804-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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BEECH

Model: 65
Trade Name: QUEEN AIR
Aircraft T.C./STC: 3A20
Propeller Model: HC-93Z20-2C1
Propeller T.C.: P-891
Blade Model(s): 10151-8R
 10151B-8R
 10151N-8R
 10151NB-8R

Prop Diameter: 93" TO 90"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

IDS No.: 251 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: IGSO-480-A1A6, -A1E6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10151-8R	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151B-8R	BLADE UNIT, ALUMINUM, 4H1188-3	3	Prop	
BLADE	10151N-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151NB-8R	PCP:BLADE UNIT, ALUM 4H1188-3	3	Prop	
SPINNER	836-20SPR	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-21SPR	SPINNER ASSEMBLY	1	Prop	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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BEECH

Model: A65, 70
Trade Name: QUEEN AIR
Aircraft T.C./STC: 3A20
Propeller Model: HC-B3Z20-2A
Propeller T.C.: P907
Blade Model(s): 10151-8R
 10151B-8R
 10151N-8R
 10151NB-8R

Prop Diameter: 93" TO 90"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

IDS No.: 252 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: IGSO-480-A1E6, -A1B6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3300100	HC-B3Z20-2A/10151B-8R	2	A/C	
BLADE	10151-8R	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151B-8R	BLADE UNIT, ALUMINUM, 4H1188-3	3	Prop	
BLADE	10151N-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151NB-8R	PCP:BLADE UNIT, ALUM 4H1188-3	3	Prop	
SPINNER	836-20SPR	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-21SPR	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-619-2	SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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BEECH

Model: 65, A65, 65-(B)80, 65-A80-8800, 70

Trade Name: QUEEN AIR

Aircraft T.C./STC: STC-SA444SW

Propeller Model: HC-A3VK-2A

Propeller T.C.: P6EA

Blade Model(s): V8433-2R

V8433-4R

V8433N-2R

V8433N-4Q

V8433N-4R

Prop Diameter: 82.6" TO 82" ???80.625?

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 14.0 +-0.1

IDS No.: 2109

Rev.:

Date: 11/21/2003

Modifier: EXCALIBER AIRCRAFT

Engine: IO-720-A1A, -A1B

Power: 400 HP @ 2650 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 82.0 +-1.0

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-2R	BLADE	3	Prop	
BLADE	V8433-4R	BLADE	3	Prop	
BLADE	V8433N-2R	BLADE	3	Prop	
BLADE	V8433N-4Q	BLADE	3	Prop	
BLADE	V8433N-4R	BLADE	3	Prop	
SPINNER	C-2531-P	DOME, 2 - BLADE	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

BEECH

Model: 65, A65, 65-(B)80, 65-A80-8800, 70

Trade Name: QUEEN AIR

Aircraft T.C./STC: STC-SA444SW

Propeller Model: HC-A3XK-2A

Propeller T.C.: P6EA

Blade Model(s):

Prop Diameter: 82.6" TO 82" ???80.625?

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 14.0 +-0.1

IDS No.: 2312

Rev.:

Date: 11/24/2003

Modifier: EXCALIBER AIRCRAFT

Engine: IO-720-A1A, -A1B

Power: 400 HP @ 2650 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 82.0 +-1.0

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
SPINNER	C-2531-P	DOME, 2 - BLADE	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

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BEECH

Model: 65, A65, 65-(B)80, 65-A80-8800, 70

Trade Name: QUEEN AIR

Aircraft T.C./STC: STC-SA444SW

Propeller Model: HC-A3MVK-2A

Propeller T.C.: P6EA

Blade Model(s): MV8433N-2R

MV8433N-4Q

MV8433N-4R

Prop Diameter: 82.625 to 80.625

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 14.0 +-0.1

IDS No.: 254

Rev.: 2

Date: 1/7/2011

Modifier: EXCALIBER AIRCRAFT

Engine: IO-720-A1A, -A1B

Power: 400 HP @ 2650 RPM

Placard/Restr:

Notes: STC Holder: Bemidji Aviation Services, Inc.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A3K10080	HC-A3MVK-2A/MV8433N-2R	2	A/C	
PROPELLER	A3K10080KD	HC-A3MVK-2A/MV8433N-2R	2	A/C	
BLADE	MV8433N-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	MV8433N-4Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	MV8433N-4R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

BEECH

Model: 65, A65, A65-8200, 70

Trade Name: QUEEN AIR

Aircraft T.C./STC: STC-SA2365WE

Propeller Model: HC-83V20-2, HC-A3V20-2

Propeller T.C.: P6EA

Blade Model(s): V9333C-3

V9333N-3

Prop Diameter: 90.6"

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle:

IDS No.: 2111

Rev.:

Date: 11/21/2003

Modifier: BERNARD GALLAGHER

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V9333C-3	BLADE	3	Prop	
BLADE	V9333N-3	BLADE	3	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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BEECH

Model: 65, A65, A65-8200, 70
Trade Name: QUEEN AIR
Aircraft T.C./STC: STC-SA2365WE
Propeller Model: HC-83X20-2, HC-A3X20-2
Propeller T.C.: P6EA
Blade Model(s): 9333C-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	9333C-3	BLADE	3	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2110 **Rev.:** **Date:** 11/21/2003

Modifier: BERNARD GALLAGHER

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle: Positive

Non-HPI Governor:

BEECH

Model: 65, A65, A65-8200, 70
Trade Name: QUEEN AIR
Aircraft T.C./STC: STC-SA2365WE
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV9333N-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: UNKNOWN

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 255 **Rev.:** 1 **Date:** 1/7/2011

Modifier: BERNARD GALLAGHER

Engine: UNKNOWN

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: UNKNOWN

Cwt Angle: Positive

Non-HPI Governor:

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BEECH

Model: 76 (left side)
Trade Name: DUCHESS
Aircraft T.C./STC: A29CE
Propeller Model: HC-M2YR-2CEUF
Propeller T.C.: P43GL
Blade Model(s): FC7666A
Prop Diameter: 76.0" TO 74.0"

IDS No.: 256 **Rev.:** **Date:** 10/8/2001
Modifier:
Engine: O-360-A1G6D
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Set chamber pressure to 22 +-2 PSI at 70-100 Deg. F or 17 +-2 at 40-70 Deg. F (Ref. HC-SL-61-197)

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.1 +-0.1

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 81.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	M2R00060	HC-M2YR-2CEUF/FC7666A/SM4	1	A/C	
BLADE	FC7666A	PCP:BLADE UNIT, B-3202H-9 CWT	2	Prop	
SPINNER	C-2285-3P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4826	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-9	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

BEECH

Model: 76 (right side)
Trade Name: DUCHESS
Aircraft T.C./STC: A29CE
Propeller Model: HC-M2YR-2CLEUF
Propeller T.C.: P43GL
Blade Model(s): FJC7666A
Prop Diameter: 76.0" TO 74.0"

IDS No.: 257 **Rev.:** **Date:** 10/8/2001
Modifier:
Engine: LO-360-A1G6D
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Set chamber pressure to 22 +-2 PSI at 70-100 Deg. F or 17 +-2 at 40-70 Deg. F (Ref. HC-SL-61-197)

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.1 +-0.1

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 81.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	M2R00080	HC-M2YR-2CLEUF/FJC7666A/SM4	1	A/C	
BLADE	FJC7666A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	C-2285-3LP	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4826LP	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-9L	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 65-80, 65-A80, 65-B80, 65-88

Trade Name: QUEEN AIR

Aircraft T.C./STC: 3A20

Propeller Model: HC-B3Z30-2B

Propeller T.C.: P-907

Blade Model(s): 10151-8

10151-8R

10151B-8

10151N-8

10151N-8R

10151NB-8

L10151N-8

Prop Diameter: 93.5" TO 90"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 18.25 +-0.25

IDS No.: 253

Rev.: 1

Date: 1/7/2011

Modifier:

Engine: IGSO-540-A1A, -A1D

Power: 380 HP @ 2182 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 87.0 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10151-8	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151-8R	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151B-8	PCP:BLADE UNIT, ALUM, C-2131	3	Prop	
BLADE	10151N-8	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151N-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151NB-8	BLADE UNIT, ALUMINUM, C-2131	3	Prop	
BLADE	L10151N-8	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-31SPR	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-619-2	SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
DE-ICER	C-2131	BOOT, ANTI-ICING	1	Blade	Blade Component
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

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BEECH

Model: 65-90, 65-A90, C90, B90, E90, C90A

Trade Name: KING AIR

Aircraft T.C./STC: 3A20

Propeller Model: HC-B3TN-2(B)

Propeller T.C.: P15EA

Blade Model(s): T10173-8
T10173B-8
T10173N-8
T10173NB-8

Prop Diameter: 93.5 TO 90 3/8(91.5:65-90)

Prop Setup:

Ref. Radius: 30

Reverse Angle: NA

Low Pitch Angle: 19.0

IDS No.: 258

Rev.: 1

Date: 1/7/2011

Modifier:

Engine: PT6A-20, -28, -21

Power: 550 HP @ 2200 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 87.0

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173-8	BLADE	3	Prop	
BLADE	T10173B-8	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10173N-8	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10173NB-8	PCP:BLADE UNIT, ALUM, 4H1188-5	3	Prop	
SPINNER	C-3006P	IDS Item	1	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	
CWT_SLUG	A-619-3	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3840-10	SCREW, 10-32, FILLISTER HEAD	2	Blade	
CWT_SLUG	B-3840-2	IDS Item	2	Blade	
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-100-1A	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-65-100-1B1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-65-100-1B2	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-65-100-1BM	DE-ICE KIT (LEFT PROP) SYNCHRO	1	Prop	SYNCH MASTER W/ 4E1555-3 S'RIN
DE-ICE KIT_PR	7931-65-100-1BS	DE-ICE KIT (RIGHT PROP) SYNCHR	1	Prop	SYNCH SLAVE W/ 4E1555-2 S'RIN
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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BEECH

Model: 65-90, -A90, -A90-1, -A90-2, -A90-4

Trade Name: KING AIR

Aircraft T.C./STC: 3A20

Propeller Model: HC-B3TN-3B, -3M

Propeller T.C.: P15EA

Blade Model(s): T10173-8
T10173B-8
T10173E-8
T10173N-8
T10173NB-8
T10173NE-8

Prop Diameter: 93.5" TO 90 3/8"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +/-0.5
Low Pitch Angle: 20.2 +/-0.2

IDS No.: 259 **Rev.:** 1 **Date:** 1/7/2011

Modifier:

Engine: PT6A-20, -21, -28, -34B

Power: 550 HP @ 2200 RPM

Placard/Restr:

Notes: Low Pitch Angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Startlock Angle: NA

Feather/High Angle: 87.0 +/-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173-8	BLADE	3	Prop	
BLADE	T10173B-8	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10173E-8	BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10173N-8	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10173NB-8	PCP:BLADE UNIT, ALUM, 4H1188-5	3	Prop	
BLADE	T10173NE-8	BLADE UNIT, ALUMINUM, 4E1188-3	3	Prop	
SPINNER	C-3006P	IDS Item	1	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICER	7931-4E1188-3	PROP DE-ICER	1	Blade	Blade Component
DE-ICE KIT_PR	7931-65-100-1A	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-65-100-1B1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-65-100-1B2	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-65-100-1BM	DE-ICE KIT (LEFT PROP) SYNCHRO	1	Prop	SYNCH MASTER W/ 4E1555-3 S'RIN
DE-ICE KIT_PR	7931-65-100-1BS	DE-ICE KIT (RIGHT PROP) SYNCHR	1	Prop	SYNCH SLAVE W/ 4E1555-2 S'RIN
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECH

Model: B90
Trade Name: KING AIR
Aircraft T.C./STC: 3A20
Propeller Model: HC-B3TN-3(B,M)
Propeller T.C.: P15EA
Blade Model(s): T10173-8
 T10173B-8
 T10173E-8
 T10173K-8
 T10173N-8
 T10173NB-8
 T10173NE-8

IDS No.: 260 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: PT6A-20
Power: 550 HP @ 2200 RPM
Placard/Restr:
Notes: Fit one A-3044 Carbon Block Assembly per customer request; Low Pitch Angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Prop Diameter: 93.5" TO 90 3/8"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 20.2 +-0.2

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10181	HC-B3TN-3B/T10173NB-8/DE-ICE	2	A/C	
PROPELLER	B3N10181KD	HC-B3TN-3B/T10173NB-8/DE-ICE	2	A/C	
PROPELLER	B3N12160	HC-B3TN-3M/T10173N-8	2	A/C	
PROPELLER	B3N12171	HC-B3TN-3M/T10173NB-8	2	A/C	
BLADE	T10173-8	BLADE	3	Prop	
BLADE	T10173B-8	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10173E-8	BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10173K-8	BLADE, 4E2200-10 BOOT	3	Prop	
BLADE	T10173N-8	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10173NB-8	PCP:BLADE UNIT, ALUM, 4H1188-5	3	Prop	
BLADE	T10173NE-8	BLADE UNIT, ALUMINUM, 4E1188-3	3	Prop	
SPINNER	C-3065-13P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICER	7931-4E1188-3	PROP DE-ICER	1	Blade	Blade Component
DE-ICE KIT_PR	7931-65-100-1A	DE-ICE KIT (ONE PROP)	1	Prop	See A/C TCDS for applicability
DE-ICE KIT_PR	7931-65-100-1B1	DE-ICE KIT (ONE PROP)	1	Prop	See A/C TCDS for applicability
DE-ICE KIT_PR	7931-65-100-1B2	DE-ICE KIT (ONE PROP)	1	Prop	See A/C TCDS for applicability
DE-ICE KIT_PR	7931-65-100-1BM	DE-ICE KIT (LEFT PROP) SYNCHRO	1	Prop	Replaces 65-100-1B2
DE-ICE KIT_PR	7931-65-100-1BS	DE-ICE KIT (RIGHT PROP) SYNCHR	1	Prop	Replaces 65-100-1B2
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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BEECH

Model: H90
Trade Name: KING AIR
Aircraft T.C./STC: 3A20
Propeller Model: HC-B3TN-3B
Propeller T.C.: P15EA
Blade Model(s): T10173B-8
 T10173NB-8
Prop Diameter: 93.5" TO 90.375"

Prop Setup:

Ref. Radius 30
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 20.2 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 261 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: PT6A-34B
Power: 550 HP @ 2200 RPM
Placard/Restr:

Notes: Low Pitch Angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173B-8	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10173NB-8	PCP:BLADE UNIT, ALUM, 4H1188-5	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECH

Model: C90
Trade Name: KING AIR
Aircraft T.C./STC: 3A20
Propeller Model: HC-B3TN-3(B,M)
Propeller T.C.: P15EA
Blade Model(s): T10173NB-8
T10173NE-8
T10173NK-8
Prop Diameter: 93.5" TO 90 3/8"

IDS No.: 2623 **Rev.:** 2 **Date:** 12/5/2013
Modifier:
Engine: PT6A-20, -21, -6/20, -20A
Power: 550 HP @ 2200 RPM
Placard/Restr:
Notes: Fit one A-3044 Carbon Block Assembly per customer request. Low pitch angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +/-0.5
Low Pitch Angle: 20.2 +/-0.2

Startlock Angle: NA
Feather/High Angle: 87.0 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10181	HC-B3TN-3B/T10173NB-8/DE-ICE	2	A/C	
PROPELLER	B3N10181KD	HC-B3TN-3B/T10173NB-8/DE-ICE	2	A/C	
PROPELLER	B3N12171	HC-B3TN-3M/T10173NB-8	2	A/C	
PROPELLER	B3N12181S	HC-B3TN-3M/T10173NK-8/3065-13P	2	A/C	
PROPELLER	B3N12182	HC-B3TN-3M/T10173NK-8/BULK/DEI	2	A/C	
PROPELLER	B3N12182KD	HC-B3TN-3M/T10173NK-8/BULK/DEI	2	A/C	Prop, bulkhead, prop deice Kit knocked down for shipment
BLADE	T10173NB-8	PCP:BLADE UNIT, ALUM, 4H1188-5	3	Prop	
BLADE	T10173NE-8	BLADE UNIT, ALUMINUM, 4E1188-3	3	Prop	
BLADE	T10173NK-8	PCP:BLADE UNIT, ALUM 4H2200-10	3	Prop	
SPINNER	C-3065-13P	SPINNER ASSEMBLY	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	12	Prop	"K" De-Ice
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	"B" De-ice
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	"B" & "K" De-ice
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	"B" & "K" De-Ice
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	"B" & "K" De-Ice
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICER	7931-4E1188-3	PROP DE-ICER	1	Blade	Blade Component
DE-ICE KIT_PR	7931-65-100-1A	DE-ICE KIT (ONE PROP)	1	Prop	See A/C TCDS for applicability
DE-ICE KIT_PR	7931-65-100-1B1	DE-ICE KIT (ONE PROP)	1	Prop	See A/C TCDS for applicability
DE-ICE KIT_PR	7931-65-100-1B2	DE-ICE KIT (ONE PROP)	1	Prop	See A/C TCDS for applicability
DE-ICE KIT_PR	7931-67-280-2	DE-ICE KIT (ONE PROP)	1	Prop	For "K" de-icer
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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BEECH

Model: F90
Trade Name: KING AIR
Aircraft T.C./STC: A31CE
Propeller Model: HC-B4TN-3A, -3B
Propeller T.C.: P40EA

Blade Model(s): T10173FB-10.5
 T10173FK-10.5
 T10173FNB-10.5
 T10173FNK-10.5

Prop Diameter: 92" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.5 +/-0.4
Low Pitch Angle: 18.5 +/-0.1

IDS No.: 262 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: PT6A-135, -135A
Power: 750 HP @ 1900 RPM
Placard/Restr: Avoid continuous ground operation below 1200 RPM.

Notes: Low Pitch Angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Startlock Angle: NA
Feather/High Angle: 87.5 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10097	HC-B4TN-3B/T10173FNB-10.5/DEI	2	A/C	
BLADE	T10173FB-10.5	BLADE, 4E1188-5 BOOT	4	Prop	
BLADE	T10173FK-10.5	BLADE, 4E2200-10 BOOT	4	Prop	
BLADE	T10173FNB-10.5	BLADE UNIT, ALUMINUM, 4H1188-5	4	Prop	
BLADE	T10173FNK-10.5	BLADE UNIT, 4H2200-10 BOOT	4	Prop	
SPINNER	C-3425-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3425-2P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3425-3P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3425-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-13	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICE KIT_PR	7931-77-900-1A	DE-ICE KIT (ONE PROP)	1	Prop	De-icers only
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECH

Model: C90A
Trade Name: KING AIR
Aircraft T.C./STC: 3A20
Propeller Model: HC-B3TN-3(B,M)
Propeller T.C.: P15EA
Blade Model(s): T10173K-8
 T10173NK-8
Prop Diameter: 93.5" TO 90 3/8"

IDS No.: 2622 **Rev.:** 2 **Date:** 12/5/2013
Modifier:
Engine: PT6A-21
Power: 550 HP @ 2200 RPM
Placard/Restr:
Notes: Fit one A-3044 Carbon Block Assembly per customer request. Low pitch angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +/-0.5
Low Pitch Angle: 20.2 +/-0.2

Startlock Angle: NA
Feather/High Angle: 87.0 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N12181S	HC-B3TN-3M/T10173NK-8/3065-13P	2	A/C	
PROPELLER	B3N12182	HC-B3TN-3M/T10173NK-8/BULK/DEI	2	A/C	
PROPELLER	B3N12182KD	HC-B3TN-3M/T10173NK-8/BULK/DEI	2	A/C	Prop, bulkhead, prop deice Kit knocked down for shipment
BLADE	T10173K-8	BLADE, 4E2200-10 BOOT	3	Prop	
BLADE	T10173NK-8	PCP:BLADE UNIT, ALUM 4H2200-10	3	Prop	
SPINNER	C-3065-13P	SPINNER ASSEMBLY	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICE KIT_PR	7931-67-280-2	DE-ICE KIT (ONE PROP)	1	Prop	For "K" de-icer
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

BEECH

Model: E90
Trade Name: KING AIR
Aircraft T.C./STC: 3A20
Propeller Model: HC-B3TN-3(B,M)
Propeller T.C.: P15EA
Blade Model(s): T10173NB-8
 T10173NE-8
 T10173NK-8
Prop Diameter: 93.5" TO 90 3/8"

IDS No.: 2624 **Rev.:** 2 **Date:** 12/5/2013
Modifier:
Engine: PT6A-28
Power: 550 HP @ 2200 RPM
Placard/Restr:
Notes: ("K" de-ice applies to certain aircraft serial nos.; see aircraft TCDS for applicability). Fit one A-3044 Carbon Block Assembly per customer request; Low pitch angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +0.5
Low Pitch Angle: 20.2 +0.2

Startlock Angle: NA
Feather/High Angle: 87.0 +0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10180	HC-B3TN-3B/T10173NB-8/DE-ICE	2	A/C	
PROPELLER	B3N10181	HC-B3TN-3B/T10173NB-8/DE-ICE	2	A/C	
PROPELLER	B3N10181KD	HC-B3TN-3B/T10173NB-8/DE-ICE	2	A/C	
PROPELLER	B3N12171	HC-B3TN-3M/T10173NB-8	2	A/C	
PROPELLER	B3N12181S	HC-B3TN-3M/T10173NK-8/3065-13P	2	A/C	
PROPELLER	B3N12182	HC-B3TN-3M/T10173NK-8/BULK/DEI	2	A/C	
PROPELLER	B3N12182KD	HC-B3TN-3M/T10173NK-8/BULK/DEI	2	A/C	Prop, bulkhead, prop deice Kit knocked down for shipment
BLADE	T10173NB-8	PCP:BLADE UNIT, ALUM, 4H1188-5	3	Prop	
BLADE	T10173NE-8	BLADE UNIT, ALUMINUM, 4E1188-3	3	Prop	
BLADE	T10173NK-8	PCP:BLADE UNIT, ALUM 4H2200-10	3	Prop	
SPINNER	C-3065-13P	SPINNER ASSEMBLY	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	12	Prop	"K" De-Ice
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	"B" De-ice
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	"B" & "K" De-ice
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	"B" & "K" De-Ice
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	"B" & "K" De-Ice
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICER	7931-4E1188-3	PROP DE-ICER	1	Blade	Blade Component "E"
DE-ICER	7931-4E2200-10	PROP DE-ICER THERMAL EFFICIENT	1	Blade	Blade Component "K"
DE-ICE KIT_PR	7931-65-100-1A	DE-ICE KIT (ONE PROP)	1	Prop	-5 Boots Only, term clmps&scrw
DE-ICE KIT_PR	7931-65-100-1B1	DE-ICE KIT (ONE PROP)	1	Prop	Hdwe Only,no boots,non-sync sr
DE-ICE KIT_PR	7931-67-280-2	DE-ICE KIT (ONE PROP)	1	Prop	For "K" de-icer
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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BEECH

Model: 65-A90
Trade Name: KING AIR
Aircraft T.C./STC: STC-SA3593NM
Propeller Model: HC-D4N-3C
Propeller T.C.: P10NE

IDS No.: 263 **Rev.:** 3 **Date:** 3/14/2011
Modifier: RAISBECK
Engine: PT6A-20, -28
Power: 500 HP @ 2200 RPM
Placard/Restr: Stabilized ground operation prohibited below 1100 RPM, except with propeller feathered; operation at or below 400 RPM is permissible.

Blade Model(s): D9290K
Prop Diameter: 93.0" TO 92.0"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -9.0 +-0.5
Low Pitch Angle: 20.1 +-0.1

Startlock Angle: NA
Feather/High Angle: 84.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00146	HC-D4N-3C/D9290K/BULKHEAD/DEIC	2	A/C	
PROPELLER	D4N00146KD	HC-D4N-3C/D9290K/BULKHEAD/DEIC	2	A/C	
PROPELLER	D4N00148	HC-D4N-3C/D9290K/BULKHEAD/DEIC	2	A/C	w/ dyn bal & univ sync holes
PROPELLER	D4N00148KD	HC-D4N-3C/D9290K/BULKHEAD/DEIC	2	A/C	w/ dyn bal & univ sync holes
PROPELLER	D4N00148S	HC-D4N-3C/D9290K/D-630-7P	2	A/C	
PROPELLER	D4N00148SKD	HC-D4N-3C/D9290K/D-630-7P	2	A/C	
BLADE	D9290K	PCP:BLADE UNIT, ALUM 4H2271-12	4	Prop	
SPINNER	D-630-7	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-7P	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 4H2271-10 & 7931-4E2271-10
DE-ICE KIT_PR	7931-67-450-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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APPLICATION GUIDE

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BEECH

Model: B90
Trade Name: KING AIR
Aircraft T.C./STC: STC-SA3593NM
Propeller Model: HC-D4N-3C
Propeller T.C.: P10NE

IDS No.: 181 **Rev.:** 3 **Date:** 3/14/2011
Modifier: RAISBECK
Engine: PT6A-20, PT6A-28, PT6A-34
Power: 550 HP @ 2200 RPM
Placard/Restr: Stabilized ground operation prohibited below 1100 RPM, except with propeller feathered; operation at or below 400 RPM is permissible.

Blade Model(s): D9290K
Prop Diameter: 93.0" TO 92.0"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -9.0 +-0.5
Low Pitch Angle: 20.1 +- 0.1

Startlock Angle: NA
Feather/High Angle: 84.5 +- 0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	D9290K	PCP:BLADE UNIT, ALUM 4H2271-12	4	Prop	
SPINNER	D-630-7	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-7P	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 4H2271-10 & 7931-4E2271-10
DE-ICE KIT_PR	7931-67-450-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECH

Model: E90
Trade Name: KING AIR
Aircraft T.C./STC: STC-SA3593NM
Propeller Model: HC-D4N-3C
Propeller T.C.: P10NE

IDS No.: 1165 **Rev.:** 3 **Date:** 3/14/2011
Modifier: RAISBECK
Engine: PT6A-28, PT6A -34
Power: 550 HP @ 2200 RPM
Placard/Restr: Stabilized ground operation prohibited below 1100 RPM, except with propeller feathered; operation at or below 400 RPM is permissible. The aircraft gross weight limit is 6400 lbs. minimum.

Blade Model(s): D9290K
Prop Diameter: 93.0" TO 92.0"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -9.0 +-0.5
Low Pitch Angle: 20.1 +-0.1

Startlock Angle: NA
Feather/High Angle: 84.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00148	HC-D4N-3C/D9290K/BULKHEAD/DEIC			
PROPELLER	D4N00148KD	HC-D4N-3C/D9290K/BULKHEAD/DEIC			
PROPELLER	D4N00148S	HC-D4N-3C/D9290K/D-630-7P			
PROPELLER	D4N00148SKD	HC-D4N-3C/D9290K/D-630-7P			
BLADE	D9290K	PCP:BLADE UNIT, ALUM 4H2271-12	4	Prop	
SPINNER	D-630-7	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-7P	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 4H2271-10 & 7931-4E2271-10
DE-ICE KIT_PR	7931-67-450-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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BEECH

Model: F90
Trade Name: KING AIR
Aircraft T.C./STC: STC-SA4131NM
Propeller Model: HC-D4N-3C
Propeller T.C.: P10NE
Blade Model(s): D9290S
 D9290SK
Prop Diameter: 93" TO 92"

Prop Setup:

Ref. Radius 30
Reverse Angle: -9.0 +-0.5
Low Pitch Angle: 20.0 +-0.1

IDS No.: 264 **Rev.:** 3 **Date:** 3/14/2011
Modifier: RAISBECK
Engine: PT6A-135, -135A
Power: 750 HP @ 1900 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 84.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00149S	HC-D4N-3C/D9290SK/D-630-7P	2	A/C	
PROPELLER	D4N00149SKD	HC-D4N-3C/D9290SK/D-630-7P	2	A/C	
PROPELLER	D4N00191S	HC-D4N-3C/D9290SK/D-630-P	2	A/C	
PROPELLER	D4N00191SKD	HC-D4N-3C/D9290SK/D-630-P	2	A/C	
BLADE	D9290S	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	D9290SK	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-630-7	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-7P	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 4H2271-10 & 7931-4E2271-10
DE-ICE KIT_PR	7931-67-450-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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BEECH

Model: C90
Trade Name: KING AIR
Aircraft T.C./STC: STC-SA3593NM
Propeller Model: HC-D4N-3C
Propeller T.C.: P10NE

IDS No.: 359 **Rev.:** 3 **Date:** 3/14/2011
Modifier: RAISBECK
Engine: PT6A-20, -20A, -21, -28, -34, -35, -6/20
Power: 550 HP @ 2200 RPM
Placard/Restr: Stabilized ground operation prohibited below 1100 RPM, except with propeller feathered; operation at or below 400 RPM is permissible.

Blade Model(s): D9290K
Prop Diameter: 93.0" TO 92.0"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -9.0 +/-0.5
Low Pitch Angle: 20.1 +/-0.1

Startlock Angle: NA
Feather/High Angle: 84.5 +/-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	D9290K	PCP:BLADE UNIT, ALUM 4H2271-12	4	Prop	
SPINNER	D-630-7	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-7P	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 4H2271-10 & 7931-4E2271-10
DE-ICE KIT_PR	7931-67-450-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECH

Model: C90A
Trade Name: KING AIR
Aircraft T.C./STC: STC-SA3593NM
Propeller Model: HC-D4N-3C
Propeller T.C.: P10NE

Blade Model(s): D9290K
Prop Diameter: 93.0" TO 92.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -9.0 +0.5
Low Pitch Angle: 20.1 +0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	D9290K	PCP:BLADE UNIT, ALUM 4H2271-12	4	Prop	
SPINNER	D-630-7	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-7P	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 4H2271-10 & 7931-4E2271-10
DE-ICE KIT_PR	7931-67-450-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

IDS No.: 1166 **Rev.:** 3 **Date:** 3/14/2011

Modifier: RAISBECK
Engine: PT6A-21, -35
Power: 550 HP @ 2200 RPM
Placard/Restr: Stabilized ground operation prohibited below 1100 RPM, except with propeller feathered; operation at or below 400 RPM is permissible.

Notes: PT6A-35 engine installed per STC SA 02238AT

Startlock Angle: NA
Feather/High Angle: 84.5 +0.5
Cwt Angle:

Non-HPI Governor:

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BEECH

Model: C90A
Trade Name: KING AIR
Aircraft T.C./STC: STC-SA00966CH
Propeller Model: HC-E4N-3N
Propeller T.C.: P10NE

Blade Model(s): D8990
 D8990K
Prop Diameter: 90.0" to 89.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle: 20.9 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1533 **Rev.:** **Date:** 2/25/2010
Modifier: HARTZELL PROPELLER
Engine: PT6A-21
Power: 550 HP @ 2200 RPM
Placard/Restr: "Stabilized ground operation is prohibited between 500 and 1070 RPM. The propeller may be operated feathered at or below 500 RPM."

Notes: Installation limited to aircraft serial number LJ-1540 and after; For additional details see drawing D-6981

Startlock Angle: NA
Feather/High Angle: 85.8 +/-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00131	HC-E4N-3N/D8990K	2	A/C	
PROPELLER	E4N00131-10	HC-E4N-3N/D8990K/D-630-4P	2	A/C	
PROPELLER	E4N00131-11	HC-E4N-3N/D8990K/D630-4P/DEICE	2	A/C	
PROPELLER	E4N00131KD	HC-E4N-3N/D8990K	2	A/C	
PROPELLER	E4N00131S	HC-E4N-3N/D8990K/D-630-4P	2	A/C	
BLADE	D8990	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	D8990K	PCP:BLADE UNIT, 4H2271-10	4	Prop	
SPINNER	D-630-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-3	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICE KIT_PR	7931-67-942-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-67-942-2	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECH

Model: A90, B90, C90, C90A, C90B, E90

Trade Name: KING AIR

Aircraft T.C./STC: SA2740SW

Propeller Model: HC-E4N-3N

Propeller T.C.: P10NE

Blade Model(s): D8990S

D8990SK

Prop Diameter: 90.0" TO 89.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: -10.0 +-0.5

Low Pitch Angle: 20.1 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2014

Rev.: 1

Date: 8/12/2010

Modifier: BLACKHAWK MODIFICATIONS, INC.

Engine: PT6A-135A

Power: 550 HP @ 1900 RPM

Placard/Restr: Stabilized ground operation is prohibited between 500 and 1070 RPM. The propeller may be operated feathered at or below 500 RPM.

Notes:

Startlock Angle: NA

Feather/High Angle: 85.8 +-0.5

Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00135S	HC-E4N-3N/D8990SK/D-630-4P	2	A/C	
BLADE	D8990S	PCP:BLADE UNIT, ALUMINUM			De-Ice boot must be installed on blade for the prop to conform to the aircraft Type Certificate
BLADE	D8990SK	PCP:BLADE UNIT, ALUM,4H2271-12	4	Prop	
SPINNER	D-630-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-3	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-12
DE-ICE KIT_PR	7931-5E2767-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECH

Model: C90A
Trade Name: KING AIR
Aircraft T.C./STC: STC SA10219SC
Propeller Model: HC-E4W-3
Propeller T.C.: P10NE

Blade Model(s): D8990K*1
Prop Diameter: 90

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle: 20.9 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2015 **Rev.:** **Date:** 11/20/2006

Modifier: Bert A. Nelson

Engine: M601E-11S, -11AS

Power: 550 HP @ 2080 RPM

Placard/Restr: Stabilized ground operation is prohibited between 500 and 1070 RPM. The propeller may be operated feathered at or below 500 RPM.

Notes: STC is for propeller only. Requires previous installation of Walter engine.

Startlock Angle: NA

Feather/High Angle: 86.0 +/-0.5

Cwt Angle:

Non-HPI Governor: JILHOSTROJ

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4W00010S	HC-E4W-3/D8990K[*1]/D-630-5P	2	A/C	
BLADE	D8990K*1	PCP:BLADE UNIT, 4H2271-12 BOOT	4	Prop	
SPINNER	D-630-5P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-3	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-12
DE-ICE KIT_PR	BN4PW3060-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-3254	STUD, MOUNTING, 9/16-18	8	Prop	
MTG BOLT/STUD	B-7458	NUT,9/16-18,HEX,SELF-LOCKING	8	Prop	
MTG BOLT/STUD	B-7624	WASHER, MOUNTING, 9/16 "	8	Prop	

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BEECH

Model: C90GT
Trade Name: KING AIR
Aircraft T.C./STC: 3A20
Propeller Model: HC-E4N-3N
Propeller T.C.: P10NE

IDS No.: 2600 **Rev.:** 4 **Date:** 2/21/2012
Modifier:
Engine: PT6A-135A
Power: 550 HP @ 1900 RPM
Placard/Restr: Stabilized ground operation is prohibited between 500 and 1070 RPM. The propeller may be operated feathered at or below 500 RPM.

Blade Model(s): D8990S
D8990SK
D8990SK*1
D8990SK*2
Prop Diameter: 90.0" TO 89.0"

Notes: Low Pitch Angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle: 19.8 +/-0.1

Startlock Angle: NA
Feather/High Angle: 85.8 +/-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: Woodward

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00136	HC-E4N-3N/D8990SK/BULK/DE-ICE	2	A/C	De-iced propeller less spinner dome
PROPELLER	E4N00136S	HC-E4N-3N/D8990SK/D-630-4P	2	A/C	De-iced propeller with complete spinner
PROPELLER	E4N00138S	HC-E4N-3N/D8990SK[*2]/D-630-4P	2	A/C	De-iced propeller with complete spinner
BLADE	D8990S	PCP:BLADE UNIT, ALUMINUM			De-Ice boot must be installed on blade for the prop to conform to the aircraft Type Certificate
BLADE	D8990SK	PCP:BLADE UNIT, ALUM,4H2271-12	4	Prop	Included with propellers E4N00136 and E4N00136S, supersedes D8990SK*1
BLADE	D8990SK*1	PCP:BLADE UNIT, ALUM,4H2271-10	4	Prop	Inactive for new production, superseded by D8990SK
BLADE	D8990SK*2	PCP:BLADE,ALUM,4H2271-12[3,1,1	4	Prop	Included in propeller E4N00138S
SPINNER	D-630-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	Polished spinner
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	Included with every prop on this IDS (in de-ice kit)
COUNTERWEIGHT	C-472-3	PCP:COUNTERWEIGHT	1	Blade	Included with every prop on this IDS
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Inactive for new production, superseded by 4H2271-12
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Included with every prop on this IDS. Supersedes 4H2271-10
DE-ICE KIT_PR	7931-5E2797-1	DE-ICE KIT (ONE PROP)	1	Prop	Included with every prop on this IDS
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	Included with every prop on this IDS
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	Included with every prop on this IDS

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BEECH

Model: 95, B95, B95A, D95A, E95
Trade Name: TRAVEL AIR
Aircraft T.C./STC: 3A16
Propeller Model: HC-92ZK-2A,-2B; HC-92WK-2B
Propeller T.C.: SEE NOTES
Blade Model(s): 8447-12A
 8447-12R
 8447A-12A
 8447A-12R
 8447AB-12A
 8447AB-12R
 8447AN-12A
 8447AN-12R
 8447ANB-12A
 8447ANB-12R
 8447B-12A
 8447B-12R
 8447N-12A
 8447N-12R
 8447NB-12A
 8447NB-12R
 W8447-12A
 W8447-12R
 W8447A-12A
 W8447A-12R
 W8447AB-12A
 W8447AB-12R
 W8447AN-12A
 W8447AN-12R
 W8447ANB-12A
 W8447ANB-12R
 W8447B-12A
 W8447B-12R
 W8447N-12A
 W8447N-12R
 W8447NB-12A

Prop Diameter: 72.0" TO 70.0", -12A; 72.0" TO
Prop Setup: 71.0", -12R

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 266 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: O-360-A1A; IO-360-B1A, -B1B
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: TC Number: P16EA, date: 4/3/64 for 92WK-2B; TC Number: P892, date: 7/22/55 for 92ZK-2A and date: 2/26/59 for 92ZK-2B.

Startlock Angle:
Feather/High Angle: 84.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	92K00060	HC-92WK-2B/W8447N-12A	2	A/C	
BLADE	8447-12A	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447-12R	BLADE	2	Prop	
BLADE	8447A-12A	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447A-12R	IDS Item	2	Prop	
BLADE	8447AB-12A	IDS ITEM, BLADE, C-2131-3 BOOT	2	Prop	REPLACED BY 8447ANB-12A
BLADE	8447AB-12R	IDS ITEM, BLADE, C-2131-3 BOOT	2	Prop	REPLACED BY 8447ANB-12R

BLADE	8447AN-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447AN-12R	IDS Item	2	Prop	
BLADE	8447ANB-12A	IDS ITEM, BLADE, C-2131-3 BOOT	2	Prop	
BLADE	8447ANB-12R	IDS ITEM, BLADE, C-2131-3 BOOT	2	Prop	
BLADE	8447B-12A	IDS ITEM, BLADE, C-2131-3 BOOT	2	Prop	REPLACED BY 8447NB-12A
BLADE	8447B-12R	IDS ITEM, BLADE, C-2131-3 BOOT	2	Prop	REPLACED BY 8447NB-12R
BLADE	8447N-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447N-12R	BLADE	2	Prop	
BLADE	8447NB-12A	IDS ITEM, BLADE, C-2131-3 BOOT	2	Prop	
BLADE	8447NB-12R	IDS ITEM, BLADE, C-2131-3 BOOT	2	Prop	
BLADE	W8447-12A	BLADE UNIT, ALUMINUM	2	Prop	REPLACED BY W8447N-12A
BLADE	W8447-12R	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	W8447A-12A	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	W8447A-12R	IDS ITEM, BLADE	2	Prop	REPLACED BY W8447AN-12R
BLADE	W8447AB-12A	IDS ITEM, BLADE, C-2131-3 BOOT	2	Prop	REPLACED BY W8447ANB-12A
BLADE	W8447AB-12R	IDS ITEM, BLADE, C-2131-3 BOOT	2	Prop	REPLACED BY W8447ANB-12R
BLADE	W8447AN-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	W8447AN-12R	IDS ITEM, BLADE	2	Prop	
BLADE	W8447ANB-12A	IDS ITEM, BLADE, C-2131-3 BOOT	2	Prop	
BLADE	W8447ANB-12R	IDS ITEM, BLADE, C-2131-3 BOOT	2	Prop	REPLACED BY W8447ANB-12R
BLADE	W8447B-12A	IDS ITEM, BLADE, C-2131-3 BOOT	2	Prop	REPLACED BY W8447NB-12A
BLADE	W8447B-12R	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	W8447N-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	W8447N-12R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	W8447NB-12A	IDS ITEM, BLADE, C-2131-3 BOOT	2	Prop	REPLACED BY W8447NB-12A
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6	IDS Item	1	Prop	Superceded by 835-30
DE-ICER	C-2131-3	BOOT, ANTI-ICING	1	Blade	Blade Component
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Primary
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Secondary

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BEECH

Model: 95, B95, B95A, D95A, E95

Trade Name: TRAVEL AIR

Aircraft T.C./STC: STC-SA00722CH

Propeller Model: HC-C2YK-2CUF

Propeller T.C.: P-920

Blade Model(s): FC7666C-4
FC7666C-4*1
FC7666CB-4
FC7666CB-4*1

Prop Diameter: 72" NO CUT OFF

Prop Setup:

Ref. Radius: 30

Reverse Angle: NA

Low Pitch Angle: 14.0 +- 0.2 (SEE NOTE)

IDS No.: 1203

Rev.:

Date: 5/25/2004

Modifier: HARTZELL PROPELLER

Engine: O-360-A1A

Power: 180 HP @ 2700 RPM

Placard/Restr:

Notes: Check for balance weight/travel tube interference during assembly of props with alcohol de-ice; Minimal hub/fork clearance exists at low pitch.

Startlock Angle: 19.5 +-1.5

Feather/High Angle: 82.0 +-0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00487	HC-C2YK-2CUF/FC7666C-4	2	A/C	
PROPELLER	C2K00487STP	C2K00487/836-29P/TWIN	1	A/C	
PROPELLER	C2K00488	HC-C2YK-2CUF/FC7666CB-4	2	A/C	
PROPELLER	C2K00488STP	C2K00488/836-29P/DE-ICE/TWIN	1	A/C	
BLADE	FC7666C-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FC7666C-4*1	IDS ITEM [3,1,1,] B-3202H-4	2	Prop	
BLADE	FC7666CB-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FC7666CB-4*1	IDS ITEM [3,1,1] C-2131-6	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-29P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	C-2131-6	BOOT, ANTI-ICING	1	Blade	Blade Component
DE-ICE KIT_PR	D-6774	ANTI-ICE - INSTL KIT			
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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BEECH

Model: 99, 99A, A99, A99A, B99

Trade Name: AIRLINER

Aircraft T.C./STC: A14CE

Propeller Model: HC-B3TN-3B

Propeller T.C.: P15EA

Blade Model(s): T10173-8
T10173B-8
T10173E-8
T10173N-8
T10173NB-8
T10173NE-8

Prop Diameter: 93.5" TO 90 3/8"

Prop Setup:

Ref. Radius 30

Reverse Angle: -11.0 +/-0.5

Low Pitch Angle: 20.2 +/-0.1

IDS No.: 267

Rev.: 1

Date: 1/7/2011

Modifier:

Engine: PT6A-20, -27, -28

Power: 680 HP @ 2200 RPM

Placard/Restr:

Notes: Low Pitch Angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Startlock Angle: NA

Feather/High Angle: 87.0 +/-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173-8	BLADE	3	Prop	
BLADE	T10173B-8	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10173E-8	BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10173N-8	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10173NB-8	PCP:BLADE UNIT, ALUM, 4H1188-5	3	Prop	
BLADE	T10173NE-8	BLADE UNIT, ALUMINUM, 4E1188-3	3	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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APPLICATION GUIDE

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BEECH

Model: C99
Trade Name: AIRLINER
Aircraft T.C./STC: A14CE
Propeller Model: HC-B3TN-3B, -3M
Propeller T.C.: P15EA
Blade Model(s): T10173K-8
 T10173NK-8
Prop Diameter: 93.5" TO 90 3/8"

Prop Setup:

Ref. Radius 30
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 20.2 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 268 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: PT6A-36
Power: 715 HP @ 2200 RPM
Placard/Restr:

Notes: Low Pitch Angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10150	HC-B3TN-3B/T10173NK-8	2	A/C	
BLADE	T10173K-8	BLADE, 4E2200-10 BOOT	3	Prop	
BLADE	T10173NK-8	PCP:BLADE UNIT, ALUM 4H2200-10	3	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICE KIT_PR	7931-67-280-2	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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APPLICATION GUIDE

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BEECH

Model: 100
Trade Name: KING AIR
Aircraft T.C./STC: A14CE
Propeller Model: HC-B3TN-3B, -3M
Propeller T.C.: P15EA
Blade Model(s): T10173-8
 T10173B-8
 T10173E-8
 T10173N-8
 T10173NB-8
 T10173NE-8

Prop Diameter: 93.5" TO 90 3/8"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 20.2 +-0.1

IDS No.: 269 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: PT6A-28
Power: 680 HP @ 2200 RPM
Placard/Restr:

Notes: Low Pitch Angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10181	HC-B3TN-3B/T10173NB-8/DE-ICE	2	A/C	
PROPELLER	B3N10181KD	HC-B3TN-3B/T10173NB-8/DE-ICE	2	A/C	
BLADE	T10173-8	BLADE	3	Prop	
BLADE	T10173B-8	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10173E-8	BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10173N-8	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10173NB-8	PCP:BLADE UNIT, ALUM, 4H1188-5	3	Prop	
BLADE	T10173NE-8	BLADE UNIT, ALUMINUM, 4E1188-3	3	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	12	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICER	7931-4E1188-3	PROP DE-ICER	1	Blade	Blade Component
DE-ICE KIT_PR	7931-65-100-1A	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-65-100-1B1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-65-100-1B2	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECH

Model: A100, A100A (U-21F)
Trade Name: KING AIR
Aircraft T.C./STC: A14CE
Propeller Model: HC-B4TN-3, -3A
Propeller T.C.: P40EA

Blade Model(s): T10173FN-12.5
 T10173FNB-12.5
 T10173FNK-12.5

Prop Diameter: 90" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +/-0.5
Low Pitch Angle: 19.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 270 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: PT6A-28, -28A(700hp), -34
Power: 680 HP @ 2200 RPM
Placard/Restr: Avoid continuous operation below 1200 RPM with crosswinds above 30 knots.
Notes: Low Pitch Angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Startlock Angle: NA
Feather/High Angle: 86.5 +/-0.5
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173FN-12.5	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	T10173FNB-12.5	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	T10173FNK-12.5	PCP:BLADE UNIT, ALUM 4H2200-10	4	Prop	
SPINNER	C-3425-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-13	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-17H	BOLT, 1/4-28, HEX HEAD	1	Blade	
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECH

Model: B100
Trade Name: KING AIR
Aircraft T.C./STC: A14CE
Propeller Model: HC-B4TN-5C, -5F
Propeller T.C.: P40EA
Blade Model(s): T10173FN-12.5
 T10173FNB-125*
 T10173FNK-125*
Prop Diameter: 90" NO CUT OFF

IDS No.: 272 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: TPE331-6-252B
Power: 715 HP @ 2000 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: NA

Startlock Angle: 2.5 +-0.1
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173FN-12.5	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	T10173FNB-125*1	IDS ITEM, BLADE, 4E1188-5 BOOT	4	Prop	
BLADE	T10173FNK-125*1	IDS ITEM, BLADE, 4E2200-10 BOOT	4	Prop	
SPINNER	D-3434-10P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-4P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	7931-4E1188-5	PROP DE-ICER	1	Blade	Blade Component
DE-ICER	7931-4E2200-10	PROP DE-ICER THERMAL EFFICIENT	1	Blade	Blade Component
DE-ICE KIT_PR	7931-65-125-1A	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-65-125-1B	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-67-265-1	DE-ICE KIT (ONE PROP)	1	Prop	For use with "K" de-icer
DE-ICE KIT_PR	7931-67-265-2	DE-ICE KIT (ONE PROP)	1	Prop	For use with "K" de-icer
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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BEECH

Model: B100
Trade Name: KING AIR
Aircraft T.C./STC: STC SA455CH-D
Propeller Model: HC-B4TN-5F
Propeller T.C.: P40EA
Blade Model(s): T10173AN-12.5
 T10173ANB-12.5
 T10173ANK-12.5

Prop Diameter: 90"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle: NA

IDS No.: 1183 **Rev.:** 3 **Date:** 7/22/2011
Modifier: Garrett Aviation Services
Engine: TPE331-10
Power: 715 HP @ 2000 RPM
Placard/Restr:
Notes: "K" boots de-ice kits: 67-929-1, prop; 67-929-2, airframe

Startlock Angle: 2.5 +/-0.1
Feather/High Angle: 87.0 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10409	HC-B4TN-5F/T10173ANB-12.5	2	A/C	
PROPELLER	B4N10412S	HC-B4TN-5F/T10173ANB-12.5/SPIN	2	A/C	
PROPELLER	B4N10413S	HC-B4TN-5F/T10173ANK-12.5/SPIN	2	A/C	
PROPELLER	B4N10414	HC-B4TN-5F/T10173ANK-12.5	2	A/C	
BLADE	T10173AN-12.5	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	T10173ANB-12.5	BLADE UNIT, ALUMINUM, 4H1188-5	4	Prop	
BLADE	T10173ANK-12.5	PCP:BLADE UNIT, ALUM 4H2200-10	4	Prop	
SPINNER	D-3434-10P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-4P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICE KIT_PR	102441-1	DE-ICE KIT (ONE PROP)	1	Prop	QDS kit inclds "B" de-ice boots
DE-ICE KIT_PR	102441-2	DE-ICE KIT (ONE PROP)	1	Prop	QDS kit inclds "K" de-ice boots
DE-ICE KIT_PR	7931-65-616-1	DE-ICE KIT (ONE PROP)	1	Prop	For use with "B" de-icer
DE-ICE KIT_PR	7931-65-616-1B	DE-ICE KIT (ONE PROP)	1	Prop	For use with "B" de-icer
DE-ICE KIT_PR	7931-67-929-1	DE-ICE KIT (ONE PROP)	1	Prop	For use with "K" de-icer
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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BEECH

Model: 100, A100
Trade Name: KING AIR
Aircraft T.C./STC: STC-SA5661NM
Propeller Model: HC-D4N-3C
Propeller T.C.: P10NE
Blade Model(s): D9290
D9290K
Prop Diameter: 93.0" TO 92.0"

IDS No.: 271 **Rev.:** 3 **Date:** 3/14/2011
Modifier: RAISBECK
Engine: PT6A-28, -34
Power: 680 HP @ 2200 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: -9.0 +/-0.5
Low Pitch Angle: 20.1 +/- 0.1

Startlock Angle: NA
Feather/High Angle: 84.5 +/-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00145S	HC-D4N-3C/D9290K/D-630-P	2	A/C	
PROPELLER	D4N00145SKD	HC-D4N-3C/D9290K/D-630-P	2	A/C	
PROPELLER	D4N00148	HC-D4N-3C/D9290K/BULKHEAD/DEIC	2	A/C	w/ dyn bal & univ sync holes
PROPELLER	D4N00148KD	HC-D4N-3C/D9290K/BULKHEAD/DEIC	2	A/C	w/ dyn bal & univ sync holes
PROPELLER	D4N00148S	HC-D4N-3C/D9290K/D-630-7P	2	A/C	
PROPELLER	D4N00148SKD	HC-D4N-3C/D9290K/D-630-7P	2	A/C	
BLADE	D9290	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	D9290K	PCP:BLADE UNIT, ALUM 4H2271-12	4	Prop	
SPINNER	D-630-7	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-7P	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 4H2271-10 & 7931-4E2271-10
DE-ICE KIT_PR	7931-67-450-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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BEECH

Model: B100
Trade Name: KING AIR
Aircraft T.C./STC: SA02539CH-D
Propeller Model: HC-B4TN-5F
Propeller T.C.: P40EA

Blade Model(s): T10173AN-12.5
 T10173ANB-12.5
 T10173ANK-12.5

Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle: NA

IDS No.: 1225 **Rev.:** 2 **Date:** 6/30/2011
Modifier: Hartzell Propeller inc.
Engine: TPE331-6, -10
Power: 715 HP @ 2000 RPM
Placard/Restr: Stabilized ground operation is prohibited below 76% (1520) propeller RPM

Notes:

Startlock Angle: 2.5 +/-0.1
Feather/High Angle: 87.0 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10407	HC-B4TN-5F/T10173ANK-12.5	2	A/C	Propeller assembly w/o-spinner and with "K" boot
PROPELLER	B4N10407S	HC-B4TN-5F/T10173ANK-12.5/SPIN	2	A/C	Propeller assembly with spinner and with "K" boot
PROPELLER	B4N10409	HC-B4TN-5F/T10173ANB-12.5	2	A/C	Propeller assembly w/o-spinner and with "B" boot
PROPELLER	B4N10409S	HC-B4TN-5F/T10173ANB-12.5/SPIN	2	A/C	Propeller assembly with spinner and with "B" boot
BLADE	T10173AN-12.5	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	T10173ANB-12.5	BLADE UNIT, ALUMINUM, 4H1188-5	4	Prop	
BLADE	T10173ANK-12.5	PCP:BLADE UNIT, ALUM 4H2200-10	4	Prop	
SPINNER	D-3434-10P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-4P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICE KIT_PR	7931-65-125-1A	DE-ICE KIT (ONE PROP)	1	Prop	For "B" de-icer
DE-ICE KIT_PR	7931-65-125-1B	DE-ICE KIT (ONE PROP)	1	Prop	For "B" de-icer
DE-ICE KIT_PR	7931-67-265-1	DE-ICE KIT (ONE PROP)	1	Prop	For "K" de-icer
DE-ICE KIT_PR	7931-67-265-2	DE-ICE KIT (ONE PROP)	1	Prop	For "K" de-icer
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECH

Model: A200
Trade Name: SUPER KING AIR
Aircraft T.C./STC: A24CE
Propeller Model: HC-B3TN-3G, -3N
Propeller T.C.: P15EA
Blade Model(s): T10178B-3R
 T10178NB-3R
Prop Diameter: 98.5" TO 97.5"

IDS No.: 275 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: PT6A-38, -41
Power: 750 HP @ 2000 RPM
Placard/Restr:

Notes: Low Pitch Angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Prop Setup:

Ref. Radius 30
Reverse Angle: -9.0 +/-0.4
Low Pitch Angle: 23.5 +/-0.1

Startlock Angle: NA
Feather/High Angle: 90.0 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10659	HC-B3TN-3G/T10178NB-3R/BULK	2	A/C	
BLADE	T10178B-3R	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178NB-3R	BLADE UNIT, ALUMINUM, 4H1188-5	3	Prop	
SPINNER	C-3065-12P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	12	Prop	For 67-280-1
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	For 65-100-1B1 (Optional)
SP_MT_KIT_DE-ICE	A-2070-8	SCREW, 1/4-28, BUTTON HEAD	12	Prop	65-100-1B1 (Primary)
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	For 67-280-1
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	For 67-280-1
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	For 67-280-1
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3384-12H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	4	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-100-1A	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-65-100-1B1	DE-ICE KIT (ONE PROP)	1	Prop	For use with "B" de-icer
DE-ICE KIT_PR	7931-65-100-1B2	DE-ICE KIT (ONE PROP)	1	Prop	For use with "B" de-icer
DE-ICE KIT_PR	7931-65-100-1BM	DE-ICE KIT (LEFT PROP) SYNCHRO	1	Prop	For use with "B" de-icer
DE-ICE KIT_PR	7931-65-100-1BS	DE-ICE KIT (RIGHT PROP) SYNCHR	1	Prop	For use with "B" de-icer
DE-ICE KIT_PR	7931-67-280-2	DE-ICE KIT (ONE PROP)	1	Prop	For use with "K" de-icer
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

BEECH

Model: 200(T), 200C(T), A200C(T), B200(T), B200C(T),A100-1

Trade Name: SUPER KING AIR

Aircraft T.C./STC: A24CE

Propeller Model: HC-B3TN-3G, -3N

Propeller T.C.: P15EA

Blade Model(s): T10178-3R
T10178B-3R
T10178K-3R
T10178N-3R
T10178NB-3R
T10178NK-3R

Prop Diameter: 98.5" TO 97.5"

Prop Setup:

Ref. Radius 30

Reverse Angle: -9.0 +-0.4

Low Pitch Angle: 23.5 +-0.1

IDS No.: 273

Rev.: 4

Date: 11/22/2011

Modifier:

Engine: PT6A-41 (PT6A-42, B200 & B200C)

Power: 850 HP @ 2000 RPM

Placard/Restr:

Notes: Fit one A-3044 Carbon Block Assembly per customer request. Low pitch angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Startlock Angle: NA

Feather/High Angle: 90.0 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N02680	HC-B3TN-3N/T10178B-3R	2	A/C	
PROPELLER	B3N10658	HC-B3TN-3G/T10178NB-3R/BULK	2	A/C	Complete prop less dome & mtg hdw
PROPELLER	B3N10658S	HC-B3TN-3G/T10178NB-3R/SPINNER	2	A/C	
PROPELLER	B3N10660	HC-B3TN-3G/T10178NB-3R/DE-ICE	2	A/C	
PROPELLER	B3N10660KD	HC-B3TN-3G/T10178NB-3R/DE-ICE	2	A/C	
PROPELLER	B3N10661	HC-B3TN-3G/T10178NK-3R/DE-ICE	2	A/C	
PROPELLER	B3N10661KD	HC-B3TN-3G/T10178NK-3R/DE-ICE	2	A/C	
PROPELLER	B3N12655	HC-B3TN-3N/T10178N-3R	2	A/C	N/A A100-1
PROPELLER	B3N12660	HC-B3TN-3N/T10178NK-3R	2	A/C	
PROPELLER	B3N12660KD	HC-B3TN-3N/T10178NK-3R	2	A/C	
PROPELLER	B3N12661	HC-B3TN-3N/T10178NK-3R/BULK	2	A/C	
PROPELLER	B3N12680	HC-B3TN-3N/T10178NB-3R	2	A/C	
BLADE	T10178-3R	BLADE	3	Prop	
BLADE	T10178B-3R	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178K-3R	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178N-3R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10178NB-3R	BLADE UNIT, ALUMINUM, 4H1188-5	3	Prop	
BLADE	T10178NK-3R	BLADE UNIT, ALUMINUM,4H2200-10	3	Prop	
SPINNER	C-3065-13	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-13P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SPIN MTG KIT	B-3851-0434	IDS Item	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	12	Prop	For 67-280-1
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	For 65-100-1B1
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	For 67-280-1
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	For 67-280-1
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	For 67-280-1
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3384-12H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICE KIT_PR	7931-65-100-1A	DE-ICE KIT (ONE PROP)	1	Prop	

DE-ICE KIT_PR	7931-65-100-1B1	DE-ICE KIT (ONE PROP)	1	Prop	For use with "B" de-icer
DE-ICE KIT_PR	7931-65-100-1B2	DE-ICE KIT (ONE PROP)	1	Prop	For use with "B" de-icer
DE-ICE KIT_PR	7931-65-100-1BM	DE-ICE KIT (LEFT PROP) SYNCHRO	1	Prop	For use with "B" de-icer
DE-ICE KIT_PR	7931-65-100-1BS	DE-ICE KIT (RIGHT PROP) SYNCHR	1	Prop	For use with "B" de-icer
DE-ICE KIT_PR	7931-67-280-2	DE-ICE KIT (ONE PROP)	1	Prop	For use with "K" de-icer
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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BEECH

Model: B200, B200C, B200T, B200CT
Trade Name: SUPER KING AIR (s/n BT35+ & BN5+)
Aircraft T.C./STC: A24CE
Propeller Model: HC-E4N-3G
Propeller T.C.: P10NE

IDS No.: 1075 **Rev.:** 5 **Date:** 8/17/2012
Modifier:
Engine: PT6A-42
Power: 850 HP @ 2000 RPM
Placard/Restr: Stabilized ground operation is prohibited between 500 and 1180 RPM. The propeller may be operated when feathered at or below 500 RPM.

Blade Model(s): D9390SK-1R
Prop Diameter: 93.0" TO 92.0"

Notes: At the low pitch setting, check blade to blade angles at the 36 and 42" radial locations. All blades must be within 0.3 degree of one another. Low pitch angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures; De-Ice kits 102282-1 & 67-890-1 are identical. Per Beech request to keep prop item P/N same for B200GT as the B200 series on this IDS, the 102282-1 de-ice kit will be used for all 200 series.

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +0.5
Low Pitch Angle: 18.2 +-0.1

Startlock Angle: NA
Feather/High Angle: 85.8 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00080	HC-E4N-3G/D9390SK-1R	2	A/C	Prop less spinner with 102282-1 De-ice kit
PROPELLER	E4N00080KD	HC-E4N-3G/D9390SK-1R	2	A/C	Prop less spinner, dis-assembled for shipment with 102282-1 De-ice kit
PROPELLER	E4N00080S	HC-E4N-3G/D9390SK-1R/D-630-2P	2	A/C	Prop with D-630-2P Polished spinner & 102282-1 De-ice kit
PROPELLER	E4N00080SKD	HC-E4N-3G/D9390SK-1R/D-630-2P	2	A/C	Prop with D-630-2P Polished Spinner, 102282-1 De-ice kit, prop dis-assembled for shipment
PROPELLER	E4N00081S	HC-E4N-3G/D9390SK-1R/D-630-2	2	A/C	Prop with D-630-2 Unpolished spinner & 102282-1 De-ice kit
PROPELLER	E4N00082	HC-E4N-3G/D9390SK-1R/BULK/DEI	2	A/C	Prop with Polished bulkhead & 102282-1 De-ice kit but less spinner dome
PROPELLER	E4N00082KD	HC-E4N-3G/D9390SK-1R/BULK/DEI	2	A/C	Prop with spinner bulkhead but less spinner dome, prop dis-assembled for shipment
BLADE	D9390SK-1R	PCP:BLADE UNIT, ALUM, 103880	4	Prop	Included with every prop on this IDS
SPINNER	D-630-2	SPINNER ASSEMBLY, "CNC"	1	Prop	Non-polished spinner (suitable surface for paint)
SPINNER	D-630-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	Polished spinner
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	Included with every prop on this IDS (in de-ice kit)
COUNTERWEIGHT	C-472-4	PCP:COUNTERWEIGHT	1	Blade	Blade component, Included with every prop on this IDS
DE-ICER	103880	DE-ICE BOOT	1	Blade	Supersedes 4H2271-10 & -12
DE-ICE KIT_PR	102282-1	DE-ICE KIT (ONE PROP)	1	Prop	Included with every prop on this IDS
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	Included with every prop on this IDS

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BEECH

Model: 200, B200
Trade Name: RAISBECK KING AIR
Aircraft T.C./STC: STC-SA2698NM-S
Propeller Model: HC-D4N-3A
Propeller T.C.: P10NE

Blade Model(s): D9383K
Prop Diameter: 94" TO 93"

IDS No.: 276 **Rev.:** 5 **Date:** 5/20/2013
Modifier: RAISBECK
Engine: PT6A-41, -42
Power: 850 HP @ 2000 RPM
Placard/Restr: Stabilized operation at propeller speeds below 1150 RPM is prohibited, except with propeller feathered, operation between zero and 400 RPM is permissible.
Notes: Synchronphaser target screws are not installed at the factory. Inspection note: No tip angle required on this prop. Raisbeck decals on blades.

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.5 +0.5
Low Pitch Angle: 19.0 +0.1

Startlock Angle: NA
Feather/High Angle: 86.0 +0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00129	HC-D4N-3A/D9383K/BULKHEAD/DEIC	2	A/C	w/ dyn bal & univ sync holes
PROPELLER	D4N00129KD	HC-D4N-3A/D9383K/BULKHEAD/DEIC	2	A/C	w/ dyn bal & univ sync holes
PROPELLER	D4N00130	HC-D4N-3A/D9383K			
PROPELLER	D4N00130KD	HC-D4N-3A/D9383K	2	A/C	
PROPELLER	D4N00130S	HC-D4N-3A/D9383K/D-630-P	2	A/C	
PROPELLER	D4N00130SKD	HC-D4N-3A/D9383K/D-630-P	2	A/C	
PROPELLER	D4N00131	HC-D4N-3A/D9383K/BULKHEAD/DEIC	2	A/C	
PROPELLER	D4N00131KD	HC-D4N-3A/D9383K/BULKHEAD/DEIC	2	A/C	
PROPELLER	D4N00132KD	HC-D4N-3A/D9383K	2	A/C	
PROPELLER	D4N00132S	HC-D4N-3A/D9383K/D-630-7P	2	A/C	
PROPELLER	D4N00132SKD	HC-D4N-3A/D9383K/D-630-7P	2	A/C	
BLADE	D9383K	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-630-7	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-7P	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-2	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 4H2271-10 & 7931-4E2271-10
DE-ICE KIT_PR	7931-67-450-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECH

Model: B200GT, B200CGT

Trade Name:

Aircraft T.C./STC: A24CE

Propeller Model: HC-E4N-3G

Propeller T.C.: P10NE

Blade Model(s): D9390SK-1R

Prop Diameter: 93.0" TO 92.0"

IDS No.: 2699

Rev.: 3

Date: 8/17/2012

Modifier:

Engine: PT6A-52

Power: 850 HP @ 2000 RPM

Placard/Restr: Stabilized ground operation is prohibited between 500 and 1180 RPM. The propeller may be operated when feathered at or below 500 RPM.

Notes: At the low pitch setting, check blade to blade angles at the 36 and 42 inch radial locations. All blades must be within 0.3 degree of one another. Low pitch angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Prop Setup:

Ref. Radius 30

Reverse Angle: -11.0+/-0.5

Low Pitch Angle: 18.2+/-0.1

Startlock Angle: NA

Feather/High Angle: 85.8 +/-0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00080	HC-E4N-3G/D9390SK-1R	2	A/C	Prop assy with 102282-1 De-ice kit
PROPELLER	E4N00080KD	HC-E4N-3G/D9390SK-1R	2	A/C	Prop dis-assembled for shipment with 102282-1 De-ice kit
PROPELLER	E4N00080S	HC-E4N-3G/D9390SK-1R/D-630-2P	2	A/C	Prop with D-630-2P Polished Spinner Assy. & 102282-1 De-ice kit
PROPELLER	E4N00080SKD	HC-E4N-3G/D9390SK-1R/D-630-2P	2	A/C	Prop with D-630-2P Polished Spinner, prop dis-assembled for shipment
PROPELLER	E4N00081S	HC-E4N-3G/D9390SK-1R/D-630-2	1	A/C	Prop with D-630-2P Unpolished Spinner Assy. & 102282-1 De-ice kit
PROPELLER	E4N00082	HC-E4N-3G/D9390SK-1R/BULK/DEI	2	A/C	Prop with D-630-2 Polished Bulkhead & 102282-1 De-ice kit
PROPELLER	E4N00082KD	HC-E4N-3G/D9390SK-1R/BULK/DEI	2	A/C	Prop dis-assembled for shipment with Polished Bulkhead & 102282-1 De-ice kit
BLADE	D9390SK-1R	PCP:BLADE UNIT, ALUM, 103880	4	Prop	Included with all prop assemblies
SPINNER	D-630-2	SPINNER ASSEMBLY, "CNC"	1	Prop	Unpolished Spinner Assembly
SPINNER	D-630-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	Polished Spinner Assembly
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	Spinner Mtg kit items
COUNTERWEIGHT	C-472-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	103880	DE-ICE BOOT	1	Blade	Supersedes 4H2271-10 & -12
DE-ICE KIT_PR	102282-1	DE-ICE KIT (ONE PROP)	1	Prop	Included with all props on this IDS
MTG BOLT/STUD	B-3339-1	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	Included with prop assy.

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BEECH

Model: 300, 300LW
Trade Name: SUPER KING AIR
Aircraft T.C./STC: A24CE
Propeller Model: HC-B4MP-3B
Propeller T.C.: P56GL

IDS No.: 278 **Rev.:** 2 **Date:** 5/10/2011
Modifier:
Engine: PT6A-60A
Power: 1050 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation below 1050 RPM is prohibited except when propeller is feathered, operation at or below 400 RPM is permissible.

Blade Model(s): M10476
M10476K
M10476K*1
M10476NS
M10476NSK
M10476NSK*1
M10476SK*1
Prop Diameter: 105.0" TO 104.0"

Notes: Low Pitch Angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -14.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 79.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4P10001	HC-B4MP-3B/M10476NSK	2	A/C	
PROPELLER	B4P10001KD	HC-B4MP-3B/M10476NSK	2	A/C	
PROPELLER	B4P10002	HC-B4MP-3B/M10476NSK[*1]/BULK			
PROPELLER	B4P10002KD	HC-B4MP-3B/M10476NSK[*1]/BULK			
BLADE	M10476	BLADE	4	Prop	
BLADE	M10476K	BLADE, 4E2575-7 BOOT	4	Prop	
BLADE	M10476K*1	IDS*ITEM, BLADE,4E2575-10 BOOT	4	Prop	
BLADE	M10476NS	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	M10476NSK	PCP:BLADE UNIT, 4H2575-7	4	Prop	
BLADE	M10476NSK*1	PCP:BLADE UNIT, 4H2575-10	4	Prop	
BLADE	M10476SK*1	IDS ITEM, BLADE,4H2575-10 BOOT	4	Prop	Not available for new production - original M10476K blade with 2575 - 10 boot restamped in the field to M10476SK per manual 133C
SPINNER	C-3425-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3425-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	12	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	
CWT_SLUG	B-3345	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2575-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2575-7
DE-ICER	7931-4E2575-10	HOT PROP DE-ICER	1	Blade	Blade Component
DE-ICE KIT_PR	7931-67-060-1	DEICE KIT(ONE PROP) BOOTS ONLY	1	Prop	
DE-ICE KIT_PR	7931-67-060-2	DE-ICE KIT (ONE PROP)	1	Prop	4E2575-7 DEICER
DE-ICE KIT_PR	7931-67-060-4	DE-ICE KIT(ONE PROP),A-2070-10	1	Prop	4E2575-10 DEICER
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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BEECH

Model: 35-
C33A,36,A36,E33A,E33C,F33C,G33,S35,V3
5,V35A,V35B

Trade Name: BONANZA
Aircraft T.C./STC: SA09619SC
Propeller Model: **PHC-C3YF-1RF**
Propeller T.C.: P25EA
Blade Model(s): F8068
Prop Diameter: 82"-78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2777 **Rev.:** 1 **Date:** 9/15/2010

Modifier: HAMMOCK AVIATION SERVICES

Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00005	PHC-C3YF-1RF/F8068/SM30			
PROPELLER	C3F00005KD	PHC-C3YF-1RF/F8068/SM30			
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R or E-7154-42R Hubs Only

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BEECH

Model: B300, B300C
Trade Name: SUPER KING AIR 350 c
Aircraft T.C./STC: A24CE
Propeller Model: HC-B4MP-3C
Propeller T.C.: P56GL

IDS No.: 279 **Rev.:** 6 **Date:** 1/17/2012
Modifier:
Engine: PT6A-60A
Power: 1050 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation below, 1050 RPM is prohibited except when propeller is feathered, operation at or below 400 RPM is permissible. See Manual 133C for blade shot peen instructions.

Blade Model(s): M10476K*1
M10476NK*1
M10476NS
M10476NSK*1
Prop Diameter: 105.0" TO 104.0"

Notes: Propeller is only certified with deice boots but, may be shipped without. Fit one A-3044 Carbon Block Assembly per customer request. Propeller to be shipped with A-880-1 nut installed per Manual 118F; 67-060-4ALT DEICE KIT (4E2575-10) PREFERRED. Low pitch angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -14.0 +/-0.5
Low Pitch Angle: 15.4 +/-0.1

Startlock Angle: NA
Feather/High Angle: 80.0 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4P10011	HC-B4MP-3C/M10476NS	2	A/C	Basic prop (no de-ice, no spinner)
PROPELLER	B4P10012S	HC-B4MP-3C/M10476NSK*1/D5519-P	2	A/C	De-iced prop with D-5519-P spinner
PROPELLER	B4P10012S1	HC-B4MP-3C/M10476NSK*1/5519-1P	2	A/C	De-iced prop with D-5519-1P spinner
PROPELLER	B4P10012S1KD	HC-B4MP-3C/M10476NSK*1/5519-1P	2	A/C	De-iced prop with D-5519-1P spinner, dis-assembled for shipment
PROPELLER	B4P10012S2	HC-B4MP-3C/M10476NSK*1/5519-2P	2	A/C	De-iced prop with D-5519-2P spinner
PROPELLER	B4P10012S2KD	HC-B4MP-3C/M10476NSK*1/5519-2P	2	A/C	De-iced prop with D-5519-2P spinner, dis-assembled for shipment
PROPELLER	B4P10014	HC-B4MP-3C/M10476NSK[*1]/BULK	2	A/C	De-iced prop, includes bulkhead for D-5519-1P spinner (dome not included)
PROPELLER	B4P10014KD	HC-B4MP-3C/M10476NSK[*1]/BULK	2	A/C	Prop with D-5521-1P Polished Bulkhead & 7931-67-060-4AL De-ice kit, Prop dis-assembled for shipment
PROPELLER	B4P10015	HC-B4MP-3C/M10476NSK[*1]	2	A/C	Basic prop. De-ice kit not included, however blades include de-ice boots. Spinner not included.
PROPELLER	B4P10015KD	HC-B4MP-3C/M10476NSK[*1]	2	A/C	Same as B4P10015 except dis-assembled for shipment
PROPELLER	B4P10016	HC-B4MP-3C/M10476NK[*1]	2	A/C	
PROPELLER	B4P10017	HC-B4MP-3C/M10476NSK[*1]/BLKHD	2	A/C	Same as B4P10012S2 except less spinner dome
PROPELLER	B4P10018KD	HC-B4MP-3C/M10476NSK[*1]/BULK	2	A/C	De-iced prop, includes bulkhead for D-5519-2P spinner (dome not included)
BLADE	M10476K*1	IDS*ITEM, BLADE, 4E2575-10 BOOT	4	Prop	Inactive for new production
BLADE	M10476NK*1	M10476N BLADE, 4E2575-10 BOOT	4	Prop	
BLADE	M10476NS	PCP:BLADE UNIT, ALUMINUM	4	Prop	Blade without de-ice boot
BLADE	M10476NSK*1	PCP:BLADE UNIT, 4H2575-10	4	Prop	Blade with de-ice boot
SPINNER	D-5519-1	SPINNER ASSEMBLY	1	Prop	Buffed spinner, synchrophaser designed with target 5 degrees off blade centerline
SPINNER	D-5519-1P	SPINNER ASSEMBLY	1	Prop	Polished spinner, synchrophaser designed with target 5 degrees off blade centerline

SPINNER	D-5519-2	SPINNER ASSEMBLY	1	Prop	Buffed spinner, "Quiet" synchrophaser designed such that RH and LH prop targets can be 22.5 degrees apart
SPINNER	D-5519-2P	SPINNER ASSEMBLY	1	Prop	Polished spinner, "Quiet" synchrophaser designed such that RH and LH prop targets can be 22.5 degrees apart
SPINNER	D-5519-P	SPINNER ASSEMBLY	1	Prop	Polished spinner, synch designed to be synchronized (but not phased)
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	Included with non de-iced props
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	Included with non de-iced props
SPIN MTG KIT	B-3851-0463	WASHER	12	Prop	Included with non de-iced props
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	12	Prop	Included in 7931-67-060-4 prop side de-ice kit
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	Included in 7931-67-060-4(AL) prop side de-ice kit
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	Included in all prop side de-ice kits on this IDS
CWT_SLUG	B-3345	PCP:SLUG, COUNTERWEIGHT	1	Blade	Included with every propeller on this IDS
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	Included with every propeller on this IDS
CWT_SLUG	B-3834-0632	WASHER	2	Blade	Included with every propeller on this IDS
DE-ICER	4H2575-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2575-10
DE-ICE KIT_PR	7931-67-060-4AL	DE-ICE KIT(ONE PROP), A-2070-7	1	Prop	Included with de-iced props
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	Included with every propeller on this IDS
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	Included with every propeller on this IDS

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BEECH

Model: 1900C
Trade Name: 1900 AIRLINER
Aircraft T.C./STC: A24CE
Propeller Model: HC-B4MP-3A
Propeller T.C.: P56GL

Blade Model(s): M10877K
Prop Diameter: 109.5" NO CUT OFF

IDS No.: 280 **Rev.:** 2 **Date:** 1/7/2011
Modifier:
Engine: PT6A-65B
Power: 1100 HP @ 1700 RPM
Placard/Restr: The beta valve must automatically reset to a low pitch angle of 7.0 +-1.0 deg (at 42 in. Radius) after landing touchdown.

Notes: 67-340-1 deice kit consists of 8 boots only. 67-340-2 consists of everything but boots for 2 props. 67-340-5 is complete heavy duty kit for 2 props. * Include (1) A-3044 fitted; Low Pitch Angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -14.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4P00004	HC-B4MP-3A/M10877K	2	A/C	
PROPELLER	B4P00004S	HC-B4MP-3A/M10877K/D4846-P	2	A/C	
BLADE	M10877K	PCP:BLADE ASSEMBLY, COMPOSITE	4	Prop	
SPINNER	D-4846	IDS Item	1	Prop	
SPINNER	D-4846-P	SPINNER ASSEMBLY	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2560-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2560-10
DE-ICE KIT_PR	7931-67-340-2	DE-ICE KIT	1	Prop	KIT FOR 2 PROPS LESS DE-ICERS
DE-ICE KIT_PR	7931-67-340-5	DE-ICE KIT	1	Prop	COMPLETE KIT FOR 2 PROPS, HEAV
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECH

Model: 1900D
Trade Name: AIRLINER
Aircraft T.C./STC: A24CE
Propeller Model: HC-E4A-3A
Propeller T.C.: P10NE

Blade Model(s): E10950K
Prop Diameter: 110.0" NO CUT OFF

IDS No.: 281 **Rev.:** 1 **Date:** 2/1/2011
Modifier:
Engine: PT6A-67D
Power: 1280 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation is prohibited between 400 and 950 RPM and between 1250 and 1395 RPM.

Notes: HC-E4A-3A is superceded by HC-E4A-3I; Low pitch angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -14.5 +-0.5
Low Pitch Angle: 18.6 +-0.1

Startlock Angle: NA
Feather/High Angle: 79.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E4A00020	HC-E4A-3A/E10950K	2	A/C	Prop Assy. includes 7931-67-680-3 de-ice kit, blade includes 4H3017-1 boot, E4A0020 is no longer in production, superseded by E4A00120 on IDS 1076
PROPELLER	E4A00020S	HC-E4A-3A/E10950K/D-5547-P	2	A/C	Prop. Assy. incl. 7931-67-680-3 kit & D-5547-P Spin. Blade incl. 4H3017-1 boot, E4A0020S is no longer in production, superseded by E4A00120S IDS 1076
BLADE	E10950K	BLADE ASSEMBLY, COMPOSITE	4	Prop	Includes D-5117-1 Cwt & 4H3017-1 Boot. E10950K no longer in production, superseded by E10950PCK
SPINNER	D-5547-P	SPINNER ASSEMBLY	1	Prop	Polished Spinner Assembly
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	8	Prop	Included in Prop side De-ice Kit
COUNTERWEIGHT	D-5117-1	PCP:CLAMP, COUNTERWEIGHT	1	Blade	Blade Component
CWT_SLUG	A-1744	BOLT,3/8-24,HEX HEAD	2	Blade	Included in Propeller Assembly
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	2	Blade	Included in Propeller Assembly
CWT_SLUG	C-5128	PCP:SLUG, COUNTERWEIGHT	2	Blade	Blade Component
DE-ICER	4H3017-1	DE-ICE BOOT	1	Blade	Blade Component, Supersedes 7931 4E3017-1
DE-ICE KIT_PR	7931-67-680-1	DE-ICE KIT (ONE PROP)	1	Prop	Superseded by 7931-67-680-2
DE-ICE KIT_PR	7931-67-680-3	DE-ICE KIT (ONE PROP)	1	Prop	Prop side de-ice kit used in conjunction with 4H3017-1 Boot
DE-ICE KIT_A/F	7931-67-680-2	IDS Item	1	A/C	IDS Item
DE-ICE KIT_A/F	7931-67-680-4	IDS Item	1	A/C	IDS Item
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	Included in Propeller Assembly
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	Included in Propeller Assembly

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APPLICATION GUIDE

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BEECH

Model: 1900D
Trade Name: AIRLINER
Aircraft T.C./STC: A24CE
Propeller Model: HC-E4A-3I
Propeller T.C.: P10NE

Blade Model(s): E10950PB
 E10950PCB
 E10950PCK
 E10950PK

Prop Diameter: 110.0" NO CUT OFF

IDS No.: 1076 **Rev.:** 2 **Date:** 9/9/2011

Modifier:

Engine: PT6A-67D

Power: 1279 HP @ 1700 RPM

Placard/Restr: Stabilized ground operation is prohibited between 400 and 950 RPM and between 1250 and 1395 RPM.

Notes: 67-680-5 & 67-680-4 are improved heavy duty deice kits; HC-E4A-3I IS SUPERCEDED BY HC-E4A-3J; In regards to blades: E10950PB, E10950PCB & E10950PCK - Not original equipment, these blades made eligible by AC Type Cert. #A24CE; Low pitch angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures. Refer to Manual 147 for Airworthiness Limitations.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -14.5 +/-0.5
Low Pitch Angle: 18.6 +/-0.1

Startlock Angle: NA
Feather/High Angle: 79.0 +/-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: NA

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4A00120	HC-E4A-3I/E10950PK	2	A/C	Prop Assy, incl 7931-67-680-5 kit, blade incl 4H3017-1 boot, E4A00120 is no longer in production, superseded by E4A00132(KD) & E4A00133 on IDS1705
PROPELLER	E4A00120S	HC-E4A-3I/E10950PK/D-5547-P	2	A/C	Prop Assy, incl 7931-67-680-5 kit, blade incl 4H3017-1 boot, E4A00120S is no longer in production, superseded by E4A00132(KD) & E4A00133 on IDS1705
BLADE	E10950PB	BLADE ASSEMBLY, COMPOSITE	4	Prop	See Notes, E10950P with D-5117-1 Clamp,Cwt and 7931-4H3400-1 Boot, E10950PB no longer in production, superseded by E10950PCB.
BLADE	E10950PCB	PCP:BLADE ASSY, COMP,4H3400-1	4	Prop	See Notes, E10950P with E-7016 Clamp, Cwt & 4H3400-1 Boot
BLADE	E10950PCK	PCP:BLADE ASSY, COMP, 4H3017-1	4	Prop	See Notes, E10950P with E-7016 Clamp, Cwt & 4H3017-1 Boot
BLADE	E10950PK	BLADE ASSEMBLY, COMPOSITE	4	Prop	E10950P with D-5117-1 Cwt & 7931-4H3017-1 Boot
SPINNER	D-5547-P	SPINNER ASSEMBLY	1	Prop	Polished Spinner Assembly
SPIN MTG KIT	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	8	Prop	Included in Prop side De-ice Kit
COUNTERWEIGHT	D-5117-1	PCP:CLAMP, COUNTERWEIGHT	1	Blade	Blade Component
CWT_SLUG	A-1744	BOLT,3/8-24,HEX HEAD	2	Blade	Included in Propeller Assembly
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	2	Blade	Included in Propeller Assembly
CWT_SLUG	C-6551	PCP:SLUG, COUNTERWEIGHT	1	Blade	Included in Propeller Assembly
CWT_SLUG	C-6551-1	SLUG, COUNTERWEIGHT	1	Blade	Included in Propeller Assembly
DE-ICER	4H3017-1	DE-ICE BOOT	1	Blade	Blade component, Supersedes 7931-4E3017-1
DE-ICER	4H3400-1	DE-ICE BOOT	1	Blade	Blade component, Supersedes 7931-4E3400-1
DE-ICE KIT_PR	7931-67-680-5	DE-ICE KIT (ONE PROP)	1	Prop	Prop side de-ice kit in conjunction with 4E3017-1 Boot

MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	Included in Propeller Assembly
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	Included in Propeller Assembly

BEECH

Model: 1900D
Trade Name: AIRLINER
Aircraft T.C./STC: A24CE
Propeller Model: HC-E4A-3J
Propeller T.C.: P10NE

IDS No.: 1447 **Rev.:** 2 **Date:** 9/9/2011

Modifier:
Engine: PT6A-67D
Power: 1279 HP @ 1700 RPM

Placard/Restr: Stabilized ground operation is prohibited between 400 and 950 RPM and between 1250 and 1395 RPM.

Blade Model(s): E10950PB
 E10950PCB
 E10950PCK
 E10950PK
Prop Diameter: 110.0" NO CUT OFF

Notes: 67-680-5 & 67-680-4 are improved heavy duty deice kits; Superseded by 4-bolt counterweight clamp design (blades with "C" suffix) See IDS #1705; In regards to E10950PB, E10950PCB & E10950PCK - Not original equipment, these blades made eligible by AC Type Cert. #A24CE; Low pitch angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures. Refer to Manual 147 for Airworthiness Limitations.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -14.5 +-0.5
Low Pitch Angle: 18.6 +-0.1

Startlock Angle: NA
Feather/High Angle: 79.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E4A00126	HC-E4A-3J/E10950PK/BLKHD.ONLY	2	A/C	Propeller Assembly, includes 7931-67-680-5 de-ice kit, blade includes 4H3017-1 boot, E4A00126 is no longer in production, superseded by E4A00133
PROPELLER	E4A00126S	HC-E4A-3J/E10950PK/D-5547-P	2	A/C	Prop Assy, incl. 7931-67-680-5 de-ice kit and D-5547-P Spinner. Blade includes 4H3017-1 boot, E4A00126S is no longer in prod., superseded by E4A00133S
BLADE	E10950PB	BLADE ASSEMBLY, COMPOSITE	4	Prop	See Notes, E10950P with 7931-4H3400-1 Boot E10950PB no longer in production, superseded by E10950PCB
BLADE	E10950PCB	PCP:BLADE ASSY, COMP,4H3400-1	4	Prop	See Notes, E10950P with E-7016 Cwt & 4H3400-1 Boot
BLADE	E10950PCK	PCP:BLADE ASSY, COMP, 4H3017-1	4	Prop	See Notes, E10950P with E-7016 Cwt & 4H3017-1 Boot
BLADE	E10950PK	BLADE ASSEMBLY, COMPOSITE	4	Prop	E10950P with D-5117-1 Cwt & 4H3017-1 Boot
SPINNER	D-5547-P	SPINNER ASSEMBLY	1	Prop	Polished Spinner Assembly
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	8	Prop	Included in Prop side De-ice Kit
COUNTERWEIGHT	D-5117-1	PCP:CLAMP, COUNTERWEIGHT	1	Blade	Blade Component
CWT_SLUG	A-1744	BOLT,3/8-24,HEX HEAD	2	Blade	Included in Propeller Assembly
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	2	Blade	Included in Propeller Assembly
CWT_SLUG	C-6551	PCP:SLUG, COUNTERWEIGHT	1	Blade	Included in Propeller Assembly
CWT_SLUG	C-6551-1	SLUG, COUNTERWEIGHT	1	Blade	Included in Propeller Assembly
DE-ICER	4H3017-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3017-1
DE-ICER	4H3400-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3400-1
DE-ICE KIT_PR	7931-67-680-5	DE-ICE KIT (ONE PROP)	1	Prop	Prop side de-ice kit used in conjunction with 4E3017-1 Boot
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	Included in Propeller Assembly
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	Included in Propeller Assembly

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BEECH

Model: 1900D
Trade Name: AIRLINER
Aircraft T.C./STC: A24CE
Propeller Model: HC-E4A-3J
Propeller T.C.: P10NE

Blade Model(s): E10950PB
Prop Diameter: 110.0" NO CUT OFF

IDS No.: 1521 **Rev.:** **Date:** 11/20/2006

Modifier:
Engine: PT6A-67D
Power: 1279 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation is prohibited between 400 and 950 RPM and between 1250 and 1395 RPM.

Notes: 67-680-6 is improved low watt density system; Superseded by 4-bolt counterweight clamp design (blades with "C" suffix) See IDS #1705; Low pitch angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures.

Prop Setup:

Ref. Radius 42
Reverse Angle: -14.5 +-0.5
Low Pitch Angle: 18.6 +-0.1

Startlock Angle: NA
Feather/High Angle: 79.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4A00127	HC-E4A-3J/E10950PB/BLKHD.ONLY	2	A/C	
PROPELLER	E4A00127S	HC-E4A-3J/E10950PB/D-5547-P	2	A/C	
BLADE	E10950PB	BLADE ASSEMBLY, COMPOSITE	4	Prop	
SPINNER	D-5547-P	SPINNER ASSEMBLY	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	D-5117-1	PCP:CLAMP, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1744	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	2	Blade	
CWT_SLUG	C-6551	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	C-6551-1	SLUG, COUNTERWEIGHT	1	Blade	
DE-ICER	4H3400-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3400-1
DE-ICE KIT_PR	7931-67-680-6	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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BEECH

Model: 1900D
Trade Name: AIRLINER
Aircraft T.C./STC: A24CE
Propeller Model: HC-E4A-3J
Propeller T.C.: P10NE

Blade Model(s): E10950PCB
E10950PCK
Prop Diameter: 110.0" NO CUT OFF

IDS No.: 1705 **Rev.:** 3 **Date:** 7/10/2013
Modifier:
Engine: PT6A-67D
Power: 1279 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation is prohibited between 400 and 950 RPM and between 1250 and 1395 RPM.
Notes: 67-680-6 is improved low watt density system; Latest configuration is HC-E4A-3J/E10950PCB (DEC. '03); Low pitch angle is approximate. Refer to Raytheon maintenance instructions for on-wing adjustment procedures. Refer to Manual 147 for Airworthiness Limitations.

Prop Setup:

Ref. Radius 42
Reverse Angle: -14.5 +-0.5
Low Pitch Angle: 18.6 +-0.1

Startlock Angle: NA
Feather/High Angle: 79.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E4A00132	HC-E4A-3J/E10950PCB/BULK/DEICE	2	A/C	Propeller Assembly, includes D-5549 P Bulkhead 7931-67-680-6 de-ice kit, blade includes 4H3400-1 boot
PROPELLER	E4A00132KD	HC-E4A-3J/E10950PCB/BULK/DEICE	2	A/C	Propeller Assembly, includes D-5549 P Bulkhead, 7931-67-680-6 de-ice kit and Blade includes 4H3400-1 boot , knocked down for shipment
PROPELLER	E4A00132S	HC-E4A-3J/E10950PCB/D-5547-P	2	A/C	Propeller Assembly includes D-5547-P Spin. 7931-67-680-6 de-ice kit, Blade includes 4H3400-1 boot
PROPELLER	E4A00132SKD	HC-E4A-3J/E10950PCB/D-5547-P	2	A/C	E4A00132S Propeller Assy, includes D-5547-P Spinner Assy, 7931-67-680-6 de-ice kit, Blade includes 4H3400-1 boot, knocked down for shipment
PROPELLER	E4A00133	HC-E4A-3J/E10950PCK/BULK/DEICE	2	A/C	Propeller Assembly, includes D-5549 P Bulkhead 7931-67-680-5 de-ice kit, Blade includes 4H3017-1 boot
PROPELLER	E4A00133S	HC-E4A-3J/E10950PCK/D-5547-P	2	A/C	Propeller Assembly includes D-5547-P Spin. 7931-67-680-5 de-ice kit, blade includes 4H3017-1 boot
BLADE	E10950PCB	PCP:BLADE ASSY, COMP,4H3400-1	4	Prop	Includes E-7016 Clamp, Cwt & 4H3400-1 Boot
BLADE	E10950PCK	PCP:BLADE ASSY, COMP, 4H3017-1	4	Prop	Includes E-7016 Clamp, Cwt & 4H3017-1 Boot
SPINNER	D-5547-P	SPINNER ASSEMBLY	1	Prop	Polished Spinner Assembly
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	8	Prop	Included in Prop side De-ice Kit
COUNTERWEIGHT	E-7016	PCP:CLAMP,COUNTERWEIGHT	1	Blade	Blade Component
CWT_SLUG	A-1744	BOLT,3/8-24,HEX HEAD	2	Blade	Included in Propeller Assembly
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	2	Blade	Included in Propeller Assembly
CWT_SLUG	C-6551	PCP:SLUG, COUNTERWEIGHT	1	Blade	Included in Propeller Assembly
CWT_SLUG	C-6551-1	SLUG, COUNTERWEIGHT	1	Blade	Included in Propeller Assembly
DE-ICER	4H3017-1	DE-ICE BOOT	1	Blade	Blade Component, Supersedes 7931 4E3017-1
DE-ICER	4H3400-1	DE-ICE BOOT	1	Blade	Blade Component, Supersedes 7931 4E3400-1
DE-ICE KIT_PR	7931-67-680-5	DE-ICE KIT (ONE PROP)	1	Prop	Prop side de-ice kit used in conjunction with 4H3017-1 Boot
DE-ICE KIT_PR	7931-67-680-6	DE-ICE KIT (ONE PROP)	1	Prop	Prop side de-ice kit used in conjunction with 4H3400-1 Boot
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	Included in Propeller Assembly

MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY 1	Prop	Included in Propeller Assembly
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BEECH

Model: 3000
Trade Name: T6A TEXAN II
Aircraft T.C./STC: A00009WI
Propeller Model: HC-E4A-2
Propeller T.C.: P10NE

IDS No.: 1231 **Rev.:** 2 **Date:** 7/1/2010
Modifier:
Engine: PT6A-68
Power: 1100 HP @ 2000 RPM
Placard/Restr: Stabilized ground operation is prohibited between 1240 and 1600 RPM. The installation must incorporate an engine control system that will maintain propeller RPM at or above 1600 RPM during spin maneuvers. Intentional power on spins, inverted spins, and tail slides are prohibited. The propeller blades and hub unit are life limited at 19,497 hours.

Blade Model(s): E9612
Prop Diameter: 97" TO 96"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.1 +-0.2

Startlock Angle: NA
Feather/High Angle: 86.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E4A00001	HC-E4A-2/E9612	1	A/C	Basic propeller
PROPELLER	E4A00001S	HC-E4A-2/E9612/D-5710-2P	1	A/C	Basic prop plus spinner and spinner mounting hardware, spinner bulkhead includes dynamic balance target
PROPELLER	E4A00002	HC-E4A-2/E9612/BULKHEAD	1	A/C	Basic prop plus bulkhead (no dome) plus spinner mounting hardware, bulkhead includes dynamic balance target
BLADE	E9612	PCP:BLADE UNIT, ALUMINUM	4	Prop	Included with all props on this IDS
SPINNER	D-5710-2P	SPINNER ASSEMBLY	1	Prop	Polished Spinner
SPIN MTG KIT	B-3384-8H	BOLT, 1/4-28, HEX HEAD	8	Prop	Included with all props on this IDS
SPIN MTG KIT	B-3851-0463	WASHER	8	Prop	Included with all props on this IDS
COUNTERWEIGHT	C-329-1	PCP:COUNTERWEIGHT	1	Blade	Included with all props on this IDS
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	Included with all props on this IDS

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BEECH

Model: 3000
Trade Name: T6A TEXAN II
Aircraft T.C./STC: A00009WI
Propeller Model: HC-E4A-2A
Propeller T.C.: P10NE

IDS No.: 1592 **Rev.:** 2 **Date:** 9/26/2012
Modifier:
Engine: PT6A-68
Power: 1100 HP @ 2000 RPM
Placard/Restr: Stabilized ground operation is prohibited between 1240 and 1600 RPM. The installation must incorporate an engine control system that will maintain propeller RPM at or above 1600 RPM during spin maneuvers. Intentional power on spins, inverted spins, and tail slides are prohibited. The propeller blades and hub unit are life limited at 19,497 hours.

Blade Model(s): E9612K
Prop Diameter: 97" TO 96"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.1 +/-0.2

Notes:

Startlock Angle: NA
Feather/High Angle: 86.0 +/-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4A00003	HC-E4A-2A/E9612K	1	A/C	Propeller assembly including all prop side de-ice hardware
PROPELLER	E4A00003S	HC-E4A-2A/E9612K/D-5710-3P	1	A/C	Propeller assembly including all prop side de-ice hardware, and polished spinner
BLADE	E9612K	PCP:BLADE UNIT, 4H2271-14	4	Prop	Blade with de-icer installed (included with all props on this IDS)
SPINNER	D-5710-3P	SPINNER ASSEMBLY	1	Prop	Polished spinner
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	8	Prop	Installed for shipment
SPIN MTG KIT	B-3384-8H	BOLT, 1/4-28, HEX HEAD	8	Prop	Included with all props on this IDS, bagged, not installed
SPIN MTG KIT	B-3851-0463	WASHER	8	Prop	Included with all props on this IDS
COUNTERWEIGHT	C-329-2	PCP:COUNTERWEIGHT	1	Blade	Included with all props on this IDS
DE-ICER	4H2271-14	DE-ICE BOOT	1	Blade	Blade Component, Supersedes 7931 4E2271-14
DE-ICE KIT_PR	7931-67-944-1	DE-ICE KIT (ONE PROP)	1	Prop	Included with all de-iced propellers on this IDS
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	Included with all props on this IDS

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Beechcraft

Model: C90A, E90
Trade Name: King Air
Aircraft T.C./STC: STC SA10341SC
Propeller Model: HC-B3TN-3(B,M)
Propeller T.C.: P15EA
Blade Model(s): T10173N-8
 T10173NB-8
 T10173NK-8
Prop Diameter: 90.375" TO 93.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -11.0+-0.5
Low Pitch Angle: 20.2+-0.5

Non-HPI Items:

Non-HPI Spinner: -

IDS No.: 2845 **Rev.:** 1 **Date:** 1/10/2011
Modifier: Blackhawk Modifications
Engine: PT6A-135A
Power: 550 HP @ 1900 RPM
Placard/Restr:
Notes: Existing de-ice retained per aircraft TC 3A20 [add as appropriate]

Startlock Angle:
Feather/High Angle: 87.0+-0.5
Cwt Angle: Positive

Non-HPI Governor: -

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173N-8	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10173NB-8	PCP:BLADE UNIT, ALUM, 4H1188-5	3	Prop	4H1188-5 Boot
BLADE	T10173NK-8	PCP:BLADE UNIT, ALUM 4H2200-10	3	Prop	4H2200-10 Boot
SPINNER	C-3065-13	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-13P	SPINNER ASSEMBLY	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0463	WASHER	2	Blade	OPTIONAL
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	B Boot
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	K Boot
DE-ICE KIT_PR	7931-65-100-1B1	DE-ICE KIT (ONE PROP)	1	Prop	B System
DE-ICE KIT_PR	7931-67-280-2	DE-ICE KIT (ONE PROP)	1	Prop	K System
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECHCRAFT

Model: C90, C90A, E90
Trade Name: King Air
Aircraft T.C./STC: STC SA10341SC
Propeller Model: HC-D4N-3C
Propeller T.C.: P10NE

Blade Model(s): D9290K
D9290SK

Prop Diameter: 93.0-92.0

Prop Setup:

Ref. Radius 30"
Reverse Angle: -9.0 +/-0.5
Low Pitch Angle: 20.1 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2827 **Rev.:** 3 **Date:** 3/14/2011

Modifier: Blackhawk Modifications

Engine: PT6A-135A

Power: 550 HP @ 1900 RPM

Placard/Restr: 1) Stabilized ground operation is prohibited between 400 -1100 RPM, except that with propeller feathered, operation at or below 400 RPM is permissible.

Notes: Refer to TCDS P10NE regarding interchangeability of shot peened blades.

Startlock Angle:

Feather/High Angle: 86.5 +/-0.5

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	D9290K	PCP:BLADE UNIT, ALUM 4H2271-12	4	Prop	
BLADE	D9290SK	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-630-4	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 4H2271-10 & 7931-4E2271-10
DE-ICE KIT_PR	7931-67-450-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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BEECHCRAFT

Model: C90, C90A, E90
Trade Name: King Air
Aircraft T.C./STC: STC SA10341SC
Propeller Model: HC-E4N-3N
Propeller T.C.: P10NE

IDS No.: 2826 **Rev.:** 1 **Date:** 8/12/2010
Modifier: Blackhawk Modifications
Engine: PT6A-135A
Power: 550 HP @ 1900 RPM
Placard/Restr: 1) Stabilized ground operation is prohibited between 500-1070 RPM, except that with propeller feathered, operation at or below 500 RPM is permissible.

Blade Model(s): D8990S
D8990SK

Notes:

Prop Diameter: 90.0-89.0

Prop Setup:

Ref. Radius 30"
Reverse Angle: -10.0 +/- 0.2
Low Pitch Angle: 20.1 +/-0.1

Startlock Angle:
Feather/High Angle: 85.8 +/- 0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00135S	HC-E4N-3N/D8990SK/D-630-4P	2	A/C	
BLADE	D8990S	PCP:BLADE UNIT, ALUMINUM			De-Ice boot must be installed on blade for the prop to conform to the aircraft Type Certificate
BLADE	D8990SK	PCP:BLADE UNIT, ALUM,4H2271-12	4	Prop	
SPINNER	D-630-4	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-3	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	7931-5E2767-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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BEECHCRAFT CORPORATION

Model: B200, B200(C, CGT, GT)

Trade Name: King Air

Aircraft T.C./STC: SA02130SE

Propeller Model: HC-E4N-3A

Propeller T.C.: P10NE

IDS No.: 3016

Rev.: 7

Date: 11/21/2013

Modifier: BEECHCRAFT CORP.

Engine: PT6A-42, PT6A-52

Power: 850 HP @ 2000 RPM

Placard/Restr: Stabilized ground operation is prohibited between 500 and 1180 RPM. The propeller may be operated when feathered at or below 500 RPM.

Blade Model(s): NC9208K
NC9208K(SO)

Prop Diameter: 93.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: -11.0 + - 0.5

Low Pitch Angle: 18.6 +/- 0.1

Notes:

Startlock Angle:

Feather/High Angle: 86.7 +/- 0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N10100	HC-E4N-3A/NC9208K	2	A/C	De-iced propeller without spinner
PROPELLER	E4N10100KD	HC-E4N-3A/NC9208K	2	A/C	Prop less spinner disassembled for shipment
PROPELLER	E4N10100S	HC-E4N-3A/NC9208K/D-630-2P	2	A/C	De-iced propeller with polished spinner
PROPELLER	E4N10100SKD	HC-E4N-3A/NC9208K/D-630-2P	2	A/C	Prop with spinner, disassembled for shipment
BLADE	NC9208K	PCP:BLADE ASSY, COMPOSITE	4	Prop	Included with all props on this IDS
BLADE	NC9208K(SO)	BLADE ASSEMBLY, COMP, SHIP-OUT			Aftermarket item number, includes bearing, retaining ring, plug, and O-Ring installed (for shops that can't install bearings)
SPINNER	D-630-2	SPINNER ASSEMBLY, "CNC"	1	Prop	Non-polished spinner (suitable surface for paint)
SPINNER	D-630-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	Polished spinner
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	Included with all props on this IDS (in de-ice kit)
COUNTERWEIGHT	103470	PCP:COUNTERWEIGHT	1	Blade	Included with all props on this IDS
DE-ICER	103503	DE-ICE BOOT	1	Blade	Blade component
DE-ICE KIT_PR	103605	DE-ICE KIT (ONE PROP)	1	Prop	Included with all props on this IDS
DE-ICE KIT_A/F	103652	AIRFRAME DE-ICE KIT	1	A/C	Included with all props on this IDS
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	Included with all props on this IDS
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	Included with all props on this IDS

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Beechcraft Defense Company

Model: AT-6C
Trade Name:
Aircraft T.C./STC: Military Type Certificate
Propeller Model: HC-E4A-2
Propeller T.C.: P10NE

Blade Model(s): E9673S
Prop Diameter: 97"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 16.5 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4A00015S	HC-E4A-2/E9673S/D-5710-2	1	A/C	Propeller assembly, including a spinner with surface suitable for paint
BLADE	E9673S	PCP:BLADE UNIT, ALUMINUM	4	Prop	Included with all props on this IDS
SPINNER	D-5710-2	SPINNER ASSEMBLY	1	Prop	Spinner with surface suitable for paint
SPIN MTG KIT	B-3384-8H	BOLT, 1/4-28, HEX HEAD	8	Prop	Included with all props on this IDS
SPIN MTG KIT	B-3851-0463	WASHER	8	Prop	Included with all props on this IDS
COUNTERWEIGHT	C-329-1	PCP:COUNTERWEIGHT	1	Blade	Included with all props on this IDS
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	Included with all props on this IDS

BELLANCA

Model: see also ANDERSON GREENWOOD
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 3068 **Rev.:** 4 **Date:** 7/15/2013

Modifier:
Engine: PT6A-68D
Power: 1600 HP @ 2000 RPM
Placard/Restr: Stabilized ground operation is prohibited between 1160 and 1520 RPM, 58% to 76% Np.

Notes:

Startlock Angle:
Feather/High Angle: 84.0 +/- 0.2
Cwt Angle:

Non-HPI Governor:

IDS No.: 1383 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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BELLANCA

Model: 14-13
Trade Name:
Aircraft T.C./STC: STC-SA2-848
Propeller Model: HC-12X20-8D, HC-12X20-8, HC-D2X20-8
Propeller T.C.: P48GL
Blade Model(s): 8433-6
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-6	BLADE	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2119 **Rev.:** **Date:** 11/21/2003

Modifier: WILLIAM E. HUSK
Engine: O-435-C
Power: 190 HP @ 2550 RPM
Placard/Restr:

Notes: D2210027 is without hydraulic unit

Startlock Angle: NA
Feather/High Angle: 22.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

BELLANCA

Model: 14-13
Trade Name:
Aircraft T.C./STC: STC-SA2-848
Propeller Model: HC-12V20-8D, HC-12V20-8, HC-D2V20-8
Propeller T.C.: P48GL
Blade Model(s): V8433-6
V8433N-6
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-6	BLADE	2	Prop	
BLADE	V8433N-6	BLADE	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2120 **Rev.:** **Date:** 11/21/2003

Modifier: WILLIAM E. HUSK
Engine: O-435-C
Power: 190 HP @ 2550 RPM
Placard/Restr:

Notes: D2210027 is without hydraulic unit

Startlock Angle: NA
Feather/High Angle: 22.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

HARTZELL

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BELLANCA

Model: 14-13
Trade Name:
Aircraft T.C./STC: STC-SA2-848
Propeller Model: HC-D2MV20-8
Propeller T.C.: P48GL
Blade Model(s): MV8433N-6
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 298 **Rev.:** 1 **Date:** 1/7/2011
Modifier: WILLIAM E. HUSK
Engine: O-435-C
Power: 190 HP @ 2550 RPM
Placard/Restr:
Notes: D2210027 is without hydraulic unit

Startlock Angle: NA
Feather/High Angle: 22.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D2210027	HC-D2MV20-8/MV8433N-6/LESS HYD	1	A/C	
BLADE	MV8433N-6	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

BELLANCA

Model: 14-19
Trade Name:
Aircraft T.C./STC: 1A3
Propeller Model: HC-12X20-B, HC-D2X20-8, HC-12X20-8C
Propeller T.C.: P48GL
Blade Model(s): 8433-6
Prop Diameter: 78" TO 76.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2114 **Rev.:** **Date:** 11/21/2003
Modifier:
Engine: O-435-A
Power: 190 HP @ 2550 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 22.0 MIN
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-6	BLADE	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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BELLANCA

Model: 14-19
Trade Name:
Aircraft T.C./STC: 1A3
Propeller Model: HC-12X20-8
Propeller T.C.:
Blade Model(s): 8428-6
Prop Diameter: 78" TO 75"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 9.2 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8428-6	IDS Item	1	Prop	

IDS No.: 293 Rev.: Date: 4/1/1993
Modifier:
Engine: O-435-A
Power: 190 HP @ 2550 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 21.8 +-0.5
Cwt Angle:

Non-HPI Governor:

BELLANCA

Model: 14-19
Trade Name:
Aircraft T.C./STC: 1A3
Propeller Model: HC-12V20-8, HC-D2V20-8, HC-12V20-8C
Propeller T.C.: P48GL
Blade Model(s): V8433-6
V8433N-6
Prop Diameter: 78" TO 76.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-6	BLADE	2	Prop	
BLADE	V8433N-6	BLADE	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2115 Rev.: Date: 11/21/2003
Modifier:
Engine: O-435-A
Power: 190 HP @ 2550 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 22.0 MIN
Cwt Angle: Positive

Non-HPI Governor:

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BELLANCA

Model: 14-19
Trade Name:
Aircraft T.C./STC: 1A3
Propeller Model: HC-D2MV20-8
Propeller T.C.: P48GL
Blade Model(s): MV8433N-6
Prop Diameter: 78" TO 76.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +0.2

IDS No.: 294 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: O-435-A
Power: 190 HP @ 2550 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 22.0 MIN
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D2210037	HC-D2MV20-8/MV8433N-6/LESS HYD	1	A/C	
BLADE	MV8433N-6	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

BELLANCA

Model: 14-19-2
Trade Name:
Aircraft T.C./STC: 1A3
Propeller Model: HC-A2MVF-1A
Propeller T.C.: P24EA
Blade Model(s): MV8433NS-6
Prop Diameter: 78.5" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +0.2

IDS No.: 295 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: O-470-K
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A2F10022	HC-A2MVF-1A/MV8433NS-6	1	A/C	
BLADE	MV8433NS-6	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3817	NUT,1/4-28,HEX,SELF-LOCKING	4	Prop	Secondary
SPIN MTG KIT	B-3384-17H	BOLT, 1/4-28, HEX HEAD	4	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	4	Prop	Primary
SPIN MTG KIT	B-3851-0463	WASHER	4	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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BELLANCA

Model: 14-19-3
Trade Name:
Aircraft T.C./STC: 1A3
Propeller Model: HC-A2MVF-1A
Propeller T.C.: P24EA
Blade Model(s): MV8433N-2
Prop Diameter: 82.3" TO 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 296 Rev.: Date: 5/14/1998

Modifier:
Engine: IO-470-F
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8433N-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

BELLANCA

Model: 14-19-3, 14-19-3A
Trade Name:
Aircraft T.C./STC: 1A3
Propeller Model: HC-C2YF-1A,-1B
Propeller T.C.:
Blade Model(s): F8468-4
 F8468A-4
Prop Diameter: 80" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 297 Rev.: Date: 8/18/1999

Modifier:
Engine: IO-470-F
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F8468A-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BELLANCA

Model: 14-19-3A
 Trade Name:
 Aircraft T.C./STC: STC-SA874SW
 Propeller Model: BHC-C2YF-1BF
 Propeller T.C.: P-920
 Blade Model(s): F8475-6
 Prop Diameter: 78"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: UNKNOWN

IDS No.: 299 Rev.: Date: 7/12/2006
 Modifier: AEROSTOL/PETERSON A/C REPAIR
 Engine: IO-520-B
 Power: 285 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: UNKNOWN
 Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8475-6	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BELLANCA

Model: 14-19-2
 Trade Name:
 Aircraft T.C./STC: 1A3
 Propeller Model: HC-82XF-1, HC-82XF-1A, HC-A2XF-1A
 Propeller T.C.: P24EA
 Blade Model(s): 8433-6
 Prop Diameter: 78.5" TO 78.0"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 12.5 +-0.2

IDS No.: 2116 Rev.: Date: 11/21/2003
 Modifier:
 Engine: O-470-K
 Power: 230 HP @ 2600 RPM
 Placard/Restr:

Notes:
 Startlock Angle: NA
 Feather/High Angle: 25.5 +-0.5
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433-6	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3817	NUT, 1/4-28, HEX, SELF-LOCKING	4	Prop	Secondary
SPIN MTG KIT	B-3384-17H	BOLT, 1/4-28, HEX HEAD	4	Prop	
SPIN MTG KIT	B-3808-4	NUT, HEX, SELF-LOCKING	4	Prop	Primary
SPIN MTG KIT	B-3851-0463	WASHER	4	Prop	
MTG BOLT/STUD	A-1328-1	BOLT, MOUNTING, 1/2-20, 12 POINT	6	Prop	

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BELLANCA

Model: 14-19-2
Trade Name:
Aircraft T.C./STC: 1A3
Propeller Model: HC-A2VF-1A
Propeller T.C.: P24EA
Blade Model(s): V8433-6
V8433N-6
Prop Diameter: 78.5" TO 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.2

IDS No.: 2313 **Rev.:** **Date:** 11/24/2003

Modifier:
Engine: O-470-K
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-6	BLADE	2	Prop	
BLADE	V8433N-6	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3817	NUT,1/4-28,HEX,SELF-LOCKING	4	Prop	Secondary
SPIN MTG KIT	B-3384-17H	BOLT, 1/4-28, HEX HEAD	4	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	4	Prop	Primary
SPIN MTG KIT	B-3851-0463	WASHER	4	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

BELLANCA

Model: 14-19-3
Trade Name:
Aircraft T.C./STC: 1A3
Propeller Model: HC-82XF-1A, HC-A2XF-1A
Propeller T.C.: P24EA
Blade Model(s): 8433-2
Prop Diameter: 82.3" TO 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 2117 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-470-F
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-2	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

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BELLANCA

Model: 14-19-3
Trade Name:
Aircraft T.C./STC: 1A3
Propeller Model: HC-82VF-1A, HC-A2VF-1A
Propeller T.C.: P24EA
Blade Model(s): V8433-2
V8433N-2
Prop Diameter: 82.3" TO 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2118 Rev.: Date: 11/21/2003

Modifier:
Engine: IO-470-F
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433-2	BLADE	2	Prop	
BLADE	V8433N-2	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

BELLANCA

Model: 17-30
Trade Name: VIKING
Aircraft T.C./STC: 1A3
Propeller Model: HC-C2YF-1F
Propeller T.C.:
Blade Model(s): F8475-6
Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.1 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 301 Rev.: Date: 6/6/2006

Modifier:
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.2 0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8475-6	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3533	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BELLANCA

Model: 17-30
Trade Name: VIKING
Aircraft T.C./STC: 1A3
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468-8R
F8468A-8R

Prop Diameter: 78.0" TO 76.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

IDS No.: 302 **Rev.:** **Date:** 4/7/2006
Modifier:
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00051	HC-C3YF-1RF/F8468A-8R/SM5	1	A/C	
PROPELLER	C3F00051KD	HC-C3YF-1RF/F8468A-8R/SM5	1	A/C	
BLADE	F8468-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	For -1RF
SPIN MTG KIT	A-2476-5	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BELLANCA

Model: 17-30A
Trade Name: VIKING
Aircraft T.C./STC: A18CE
Propeller Model: HC-C2YF-1BF
Propeller T.C.:
Blade Model(s): F8475-6
Prop Diameter: 78" TO 77"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.1 +-0.2

IDS No.: 303 **Rev.:** **Date:** 6/6/2006
Modifier:
Engine: IO-520-K
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.2 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8475-6	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3533	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BELLANCA

Model: 17-30A
Trade Name: VIKING
Aircraft T.C./STC: A18CE
Propeller Model: HC-C3YF-1,-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-8R
Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 304 **Rev.:** **Date:** 4/7/2006

Modifier:
Engine: IO-520-K
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.5 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00051	HC-C3YF-1RF/F8468A-8R/SM5	1	A/C	
PROPELLER	C3F00051KD	HC-C3YF-1RF/F8468A-8R/SM5	1	A/C	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	For -1RF
SPIN MTG KIT	A-2476-5	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BELLANCA

Model: 17-30A
Trade Name: VIKING
Aircraft T.C./STC: FAA Form 337
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1893 **Rev.:** 1 **Date:** 10/7/2010

Modifier: Jack J. & Patrick T. King
Engine: IO-520-K
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00138	PHC-C3YF-1RF/F8468A-6R/SM25	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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BELLANCA

Model: 17-31A
Trade Name: VIKING
Aircraft T.C./STC: A18CE
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8475D-4
Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 306 **Rev.:** **Date:** 4/16/1993
Modifier:
Engine: IO-540-G1(E,F,B)5;-K1(E,B,A)5 300hp
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.0 +-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8475D-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-3519	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

BELLANCA

Model: 17-31
Trade Name: VIKING
Aircraft T.C./STC: 1A3
Propeller Model: HC-C3YR-1, -1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 305 **Rev.:** **Date:** 4/16/1993
Modifier:
Engine: IO-540-G1B5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3552	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3552-1	SPINNER ASSEMBLY	1	Prop	For -1RF
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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BELLANCA

Model: 17-31A
Trade Name: VIKING
Aircraft T.C./STC: 1A3
Propeller Model: HC-C3YR-1,-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468-6R
F8468A-6R

Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 307 **Rev.:** **Date:** 11/21/2007
Modifier:
Engine: IO-540-G1(E,F,B)5;-K1(E,B,A)5 300hp
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes: Now Alexandria Aircraft

Startlock Angle: NA
Feather/High Angle: 38.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00069	HC-C3YR-1RF/F8468A-6R	1	A/C	
BLADE	F8468-6R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3552	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3552-1	SPINNER ASSEMBLY	1	Prop	For -1RF
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

BELLANCA

Model: 17-31 ATC
Trade Name: VIKING (TURBO)
Aircraft T.C./STC: 1A3
Propeller Model: HC-C3YR-1,-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468-6R
F8468A-6R
Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 309 **Rev.:** **Date:** 2/28/2005
Modifier:
Engine: IO-540-G1(E,F)5;-K1(E,A,B)5 w/turbo
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Now Alexandria Aircraft

Startlock Angle: NA
Feather/High Angle: 38.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD, EDO AIRE

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00069	HC-C3YR-1RF/F8468A-6R	1	A/C	
BLADE	F8468-6R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3552	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3552-1	SPINNER ASSEMBLY	1	Prop	For -1RF
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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BELLANCA

Model: 17-31TC
Trade Name: VIKING (TURBO)
Aircraft T.C./STC: 1A3
Propeller Model: HC-C3YR-1, -1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 308 **Rev.:** **Date:** 4/16/1993

Modifier:
Engine: IO-540-G1E5 (w/turbo)
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.0 +-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3552	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3552-1	SPINNER ASSEMBLY	1	Prop	For -1RF
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

BELLANCA

Model: DW-1
Trade Name: EAGLE
Aircraft T.C./STC: A4NW
Propeller Model: HA-82V20-1B, HA-A2V20-1B
Propeller T.C.: P59GL
Blade Model(s): V10133N
Prop Diameter: 101"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2121 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: W670-6N,-6A (R-670-4,-5)
Power: 220 HP @ 2075 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: NA

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V10133N	BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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BELLANCA

Model: DW-1
 Trade Name: EAGLE
 Aircraft T.C./STC: A4NW
 Propeller Model: HC-C3YR-1RF
 Propeller T.C.: P25EA
 Blade Model(s): F8468-2R
 F8468A-2R
 Prop Diameter: 84" TO 78"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 10.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F8468A-2R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3570	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 311 Rev.: Date: 10/2/1992

Modifier:
 Engine: IO-540-M1B5D
 Power: 300 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 37.0 +-1.0
 Cwt Angle:

Non-HPI Governor:

BELLANCA (ALEXANDRIA A/C LLC)

Model: DW-1
 Trade Name: EAGLE
 Aircraft T.C./STC: A4NW
 Propeller Model: HA-A2MV20-1B
 Propeller T.C.: P59GL
 Blade Model(s): MV10133N
 Prop Diameter: 101"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 17.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A2210003	HA-A2MV20-1B/MV10133N	1	A/C	
BLADE	MV10133N	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 310 Rev.: Date: 8/9/2006

Modifier:
 Engine: W670-6N,-6A (R-670-4,-5)
 Power: 220 HP @ 2075 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: NA (GROUND ADJUSTABLE)
 Cwt Angle: NA

Non-HPI Governor:

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BRITISH AEROSPACE

Model: A109
Trade Name: AIRDALE
Aircraft T.C./STC: FIELD APPROVAL
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: N/A
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R00022	HC-C2YR-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	A-7277-2	HARDWARE - KIT	1	Prop	

IDS No.: 2612 **Rev.:** **Date:** 10/26/2005

Modifier:
Engine: IO-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:

Startlock Angle: N/A
Feather/High Angle: 29.0 +-1.0
Cwt Angle: N/A

Non-HPI Governor:

BRITTEN-NORMAN LTD

Model: BN-2; BN-2A;BN-2A-6,-8,-9;BN-2(A,B)-26,-27

Trade Name: ISLANDER
Aircraft T.C./STC: A17EU
Propeller Model: HC-C2YK-2BF, -2CUF
Propeller T.C.: P-920
Blade Model(s): FC8477-4
FC8477A-4
FC8477AB-4*1
FC8477B-4

Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00500	HC-C2YK-2CUF/FC8477A-4	2	A/C	
BLADE	FC8477-4	IDS ITEM, BLADE, B-3202H-4	2	Prop	
BLADE	FC8477A-4	PCP:BLADE UNIT, B-3202H-4	2	Prop	
BLADE	FC8477AB-4*1	PCP:BLADE UNIT, 4H1188-4	2	Prop	
BLADE	FC8477B-4	IDS ITEM, 4E1188-4, B-3202H-4	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-4	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-4
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 314 **Rev.:** 1 **Date:** 10/12/2011

Modifier:
Engine: O-540-E4C5
Power: 260 HP @ 2700 RPM
Placard/Restr: Refer to 8110-3 and/or TC A17EU.
Notes:

Startlock Angle: 18.0 +-1.5
Feather/High Angle: 78.6 +-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

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BRITTEN-NORMAN LTD

Model: BN-2A-2,-3,-20,-21; BN-2B-20,-21

Trade Name: ISLANDER

Aircraft T.C./STC: A17EU

Propeller Model: HC-C2YK-2(B,C)(U)(F)

Propeller T.C.: P-920

Blade Model(s): FC8477-4
FC8477A-4
FC8477AB-4*1
FC8477B-4

Prop Diameter: 80" to 78"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.5 +-0.1

IDS No.: 315

Rev.: 2

Date: 8/21/2012

Modifier:

Engine: IO-540-K1B5

Power: 300 HP @ 2700 RPM

Placard/Restr: Do not exceed 23 inches Hg manifold pressure below 2250 RPM.

Notes:

Startlock Angle: 18.0 +-1.5

Feather/High Angle: 78.6 +-0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00499	HC-C2YK-2CUF/FC8477A-4	2	A/C	
PROPELLER	C2K00501	HC-C2YK-2CUF/FC8477AB-4[*1]	2	A/C	
BLADE	FC8477-4	IDS ITEM, BLADE, B-3202H-4	2	Prop	
BLADE	FC8477A-4	PCP:BLADE UNIT, B-3202H-4	2	Prop	
BLADE	FC8477AB-4*1	PCP:BLADE UNIT, 4H1188-4	2	Prop	
BLADE	FC8477B-4	IDS ITEM, 4E1188-4, B-3202H-4	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-29P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-4	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	7931-77-815	IDS ITEM ONLY, NON AC	1	Prop	
DE-ICE KIT_PR	7931-77-815-1A	IDS ITEM ONLY, AC	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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BRITTEN-NORMAN LTD

Model: BN-2A MK III, MK III-2,-3
Trade Name: TRISLANDER
Aircraft T.C./STC: A29EU
Propeller Model: HC-C2YK-2CUF
Propeller T.C.: P-920
Blade Model(s): FC8477A-4
 FC8477AB-4*1
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

IDS No.: 313 **Rev.:** **Date:** 11/20/2006
Modifier:
Engine: O-540-E4C5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.0 +-1.5
Feather/High Angle: 78.6 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00501	HC-C2YK-2CUF/FC8477AB-4[*1]	3	A/C	
BLADE	FC8477A-4	PCP:BLADE UNIT, B-3202H-4	2	Prop	
BLADE	FC8477AB-4*1	PCP:BLADE UNIT, 4H1188-4	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-29P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-4	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-4
DE-ICE KIT_PR	7931-5E2683-1	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

BRITTEN-NORMAN LTD

Model: BN-2A MkIII
Trade Name: TRISLANDER
Aircraft T.C./STC: A29EU
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468-8R*3
 FC8468-8R*4
Prop Diameter: 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

IDS No.: 1254 **Rev.:** **Date:** 9/22/2006
Modifier:
Engine: O-540-E4C5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes: Trislander is a three engine aircraft.

Startlock Angle: 17.5 +-1.5
Feather/High Angle: 81.1 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00216	HC-C3YR-2UF/FC8468-8R[*3]/SM9	3	A/C	
PROPELLER	C3R00220	HC-C3YR-2UF/FC8468-8R[*4]/SM9	3	A/C	
BLADE	FC8468-8R*3	PCP:BLADE UNIT, ALUM B-3202H-5	3	Prop	
BLADE	FC8468-8R*4	PCP:BLADE UNIT B-3202H-2 CWT	3	Prop	
SPINNER	C-4558-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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BRITTEN-NORMAN LTD

Model: BN-2T
Trade Name: TURBINE ISLANDER
Aircraft T.C./STC: A17EU
Propeller Model: HC-C3YF-5F
Propeller T.C.: P25EA
Blade Model(s): FC8475F-6
 FC8475FK-6
Prop Diameter: 80.0" TO 78.0"

IDS No.: 316 **Rev.:** **Date:** 11/20/2006
Modifier:
Engine: 250-B17C
Power: 320 HP @ 2030 RPM
Placard/Restr: Refer to 8110-3 and/or TC A17EU.
Notes: "High pitch stop" latches are replaced with a spacer thus eliminating the high pitch stop position while retaining the feathering spring.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 9.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 82.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00820	HC-C3YF-5F/FC8475F-6/SM9	2	A/C	
PROPELLER	C3F00822	HC-C3YF-5F/FC8475FK-6/SM9	2	A/C	
BLADE	FC8475F-6	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC8475FK-6	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICE KIT_PR	7931-67-315-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BRITTEN-NORMAN LTD

Model: BN-2T-4R, 4S
Trade Name: TURBINE ISLANDER
Aircraft T.C./STC: A17EU
Propeller Model: HC-C3YF-5F
Propeller T.C.: P25EA
Blade Model(s): FC7818K
Prop Diameter: 80.0" TO 78.0"

IDS No.: 1252 **Rev.:** 1 **Date:** 9/17/2010
Modifier:
Engine: 250-B17F/1
Power: 400 HP @ 2030 RPM
Placard/Restr:
Notes: Aircraft TC no. does not apply to BN-2T-4S (Military "Defender 4000").

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 9.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 81.1 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00830	HC-C3YF-5F/FC7818K/SM9	2	A/C	
PROPELLER	C3F00830KD	HC-C3YF-5F/FC7818K/SM9	2	A/C	
BLADE	FC7818K	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H3101-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3101-1
DE-ICE KIT_PR	7931-67-850-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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BRITTEN-NORMAN LTD

Model: BN-2T-4, BN-2T-4R
Trade Name: TURBINE ISLANDER
Aircraft T.C./STC: Unknown
Propeller Model: HC-C3YF-5F
Propeller T.C.: P25EA
Blade Model(s): FC7818K
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 9.0 +-0.2

IDS No.: 317 **Rev.:** **Date:** 2/14/2008
Modifier:
Engine: 250-B17C, -B17F
Power: 400 HP @ 2030 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 81.1 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC7818K	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-3P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H3101-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3101-1
DE-ICE KIT_PR	7931-67-850-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

BRITTEN-NORMAN LTD

Model: BN-2
Trade Name: ISLANDER
Aircraft T.C./STC: Unknown
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7663D-2Q*1
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.7 +-0.1

IDS No.: 320 **Rev.:** **Date:** 7/22/1999
Modifier: MT PROPELLER
Engine: O-540-E4C5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 16.2 +-1.5
Feather/High Angle: 80.1 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC7663D-2Q*1	IDS ITEM, BLADE, [1,3,1]	3	Prop	
SPINNER	C-4558-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4558-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

HARTZELL

APPLICATION GUIDE

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BRITTEN-NORMAN LTD

Model: BN-2B-26, BN-2B-27
Trade Name: ISLANDER
Aircraft T.C./STC: A17EU
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468-8R*3
 FC8468-8R*4
Prop Diameter: 78"

IDS No.: 319 **Rev.:** 1 **Date:** 2/22/2011
Modifier:
Engine: O-540-E4C5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Startlock Angle: 17.5 +-1.5
Feather/High Angle: 81.1 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00216	HC-C3YR-2UF/FC8468-8R[*3]/SM9	2	A/C	
BLADE	FC8468-8R*3	PCP:BLADE UNIT, ALUM B-3202H-5	3	Prop	
BLADE	FC8468-8R*4	PCP:BLADE UNIT B-3202H-2 CWT	3	Prop	
SPINNER	C-4558-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4558-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

BRITTEN-NORMAN LTD

Model: BN2B-20, BN2B-21
Trade Name: ISLANDER
Aircraft T.C./STC: BA8 (UK) (see note)
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7693F
 FC7693FB
Prop Diameter: 78"

IDS No.: 1631 **Rev.:** 2 **Date:** 5/20/2011
Modifier:
Engine: IO-540-K1B5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: EASA Major Change Approval 10031188

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

Startlock Angle: 18.0 +-1.5
Feather/High Angle: 85.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00194	HC-C3YR-2UF/FC7693F/SM9	2	A/C	
PROPELLER	C3R00194KD	HC-C3YR-2UF/FC7693F/SM9	2	A/C	
BLADE	FC7693F	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7693FB	IDS ITEM [1,3,1] B-3202H-5	3	Prop	
SPINNER	C-4558-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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BRITTEN-NORMAN LTD

Model: PBN
Trade Name: ISLANDER
Aircraft T.C./STC: Unknown
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468-8R*3
FC8468-8R*4
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

IDS No.: 1253 **Rev.:** **Date:** 9/22/2006
Modifier:
Engine: IO-540-K1B5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 17.5 +-1.5
Feather/High Angle: 81.1 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00216	HC-C3YR-2UF/FC8468-8R[*3]/SM9	2	A/C	
BLADE	FC8468-8R*3	PCP:BLADE UNIT, ALUM B-3202H-5	3	Prop	
BLADE	FC8468-8R*4	PCP:BLADE UNIT B-3202H-2 CWT	3	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

BUSHBY

Model: MUSTANG II
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YL-1BF
Propeller T.C.:
Blade Model(s): F7663A-3
F7663A-6
Prop Diameter: 70", 73"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

IDS No.: 325 **Rev.:** **Date:** 2/12/1998
Modifier:
Engine: IO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663A-3	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F7663A-6	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	C-4565	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F2-7AZ	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

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BUSHMASTER AIRCRAFT CORP.

Model: BUSHMASTER 2000

Trade Name:

Aircraft T.C./STC: A19WE

Propeller Model: HC-B3R30-2EA

Propeller T.C.: P28EA

Blade Model(s): R10152-5.5
R10152N-5.5

Prop Diameter: 95.5" NO CUT OFF

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 17.0 +-0.5

IDS No.: 326

Rev.: 1

Date: 1/7/2011

Modifier:

Engine: R985-AN1, -AN-14B,

Power: 450 HP @ 2300 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 88.0 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	R10152-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	REPLACED BY R10152N-5.5
BLADE	R10152N-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-17SPR	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

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CALLAIR

Model: see AERO COMM.; A/C PARTS & DEV

Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 327 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

CAMAIR

Model: 480
Trade Name:
Aircraft T.C./STC: 2A2
Propeller Model: HC-82XF-2B, HC-A2XF-2B, HC-82XF-2, HC-A2XF-2
Propeller T.C.: P24EA
Blade Model(s): 8433-2
Prop Diameter: 82.2" TO 80.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0+-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2122 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: O-470-B
Power: 240 HP @ 2600 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 78.0+-0.5
Cwt Angle: Positive

Non-HPI Governor: HAMILTON, WOODWARD

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-2	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-3	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CAMAIR

Model: 480
Trade Name:
Aircraft T.C./STC: 2A2
Propeller Model: HC-82VF-2B, HC-A2VF-2B, HC-82VF-2, HC-A2VF-2
Propeller T.C.: P24EA
Blade Model(s): V8433-2
V8433N-2
Prop Diameter: 82.2" TO 80.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0+-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2123 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: O-470-B
Power: 240 HP @ 2600 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 78.0+-0.5
Cwt Angle: Positive

Non-HPI Governor: HAMILTON, WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-2	BLADE	2	Prop	
BLADE	V8433N-2	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-3	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

CAMAIR

Model: 480
Trade Name:
Aircraft T.C./STC: 2A2
Propeller Model: HC-A2MV-2
Propeller T.C.: P24EA
Blade Model(s): MV8433N-2
Prop Diameter: 82.2" TO 80.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0+-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 328 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: O-470-B
Power: 240 HP @ 2600 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 78.0+-0.5
Cwt Angle: Positive

Non-HPI Governor: HAMILTON, WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A2F10159	HC-A2MV-2/MV8433N-2	2	A/C	
BLADE	MV8433N-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-3	IDS Item	2	A/C	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CAMAIR

Model: 480
Trade Name:
Aircraft T.C./STC: 2A2
Propeller Model: HC-82XF-2, HC-A2XF-2, HC-82XF-2B, HC-A2XF-2B
Propeller T.C.: P24EA
Blade Model(s): 8433-4
Prop Diameter: 80.2" TO 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-4	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-3	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

IDS No.: 2124 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: O-470-D
Power: 240 HP @ 2600 RPM
Placard/Restr:

Notes:

Startlock Angle: 35.0 +-1.5

Feather/High Angle: 78.0 +-0.5

Cwt Angle: Positive

Non-HPI Governor:

CAMAIR

Model: 480
Trade Name:
Aircraft T.C./STC: 2A2
Propeller Model: HC-A2MVF-2
Propeller T.C.: P24EA
Blade Model(s): MV8433N-4
Prop Diameter: 80.2" TO 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-3	IDS Item	2	A/C	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

IDS No.: 329 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: O-470-D
Power: 240 HP @ 2600 RPM
Placard/Restr:

Notes:

Startlock Angle: 35.0 +-1.5

Feather/High Angle: 78.0 +-0.5

Cwt Angle: Positive

Non-HPI Governor:

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CAMAIR

Model: 480
Trade Name:
Aircraft T.C./STC: 2A2
Propeller Model: HC-82VF-2, HC-A2VF-2, HC-82VF-2B, HC-A2VF-2B
Propeller T.C.: P24EA
Blade Model(s): V8433-4
V8433N-4
Prop Diameter: 80.2" TO 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2125 Rev.: Date: 11/21/2003

Modifier:
Engine: O-470-D
Power: 240 HP @ 2600 RPM
Placard/Restr:

Notes:

Startlock Angle: 35.0 +-1.5
Feather/High Angle: 78.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-4	BLADE	2	Prop	
BLADE	V8433N-4	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-3	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CASA

Model: C-212-CB
Trade Name:
Aircraft T.C./STC: A43EU
Propeller Model: HC-B4TN-5CL, 5FL
Propeller T.C.: P40EA
Blade Model(s): LT10282+4
 LT10282B+4
 LT10282N+4
 LT10282NB+4

Prop Diameter: 107.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -6.5 +-0.5
Low Pitch Angle: 13.5 +-0.2

IDS No.: 330 **Rev.:** 3 **Date:** 1/15/2013
Modifier:
Engine: TPE331-5-251C
Power: 750 HP @ 1591 RPM
Placard/Restr:
Notes: Reference Manual 139 for Airworthiness Limitations.

Startlock Angle: 2.25 +-0.25
Feather/High Angle: 89.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10710	HC-B4TN-5FL/LT10282NB+4	2	A/C	
BLADE	LT10282+4	BLADE	4	Prop	SUPERSEDED BY LT10282N+4
BLADE	LT10282B+4	BLADE, 4E1601-5 BOOT	4	Prop	SUPERSEDED BY LT10282NB+4
BLADE	LT10282N+4	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	LT10282NB+4	PCP:BLADE UNIT, ALUM	4	Prop	
SPINNER	D-3434-7P*1	SPINNER ASSEMBLY (PAINT BULK)	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	
DE-ICER	4H1601-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-5
DE-ICE KIT_PR	100020	DE-ICE KIT (ONE PROP)	1	Prop	Supersedes 7931-65-105-1
DE-ICE KIT_PR	7931-65-105-1	DE-ICE KIT (ONE PROP)	1	Prop	Superseded by 100020
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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CASA

Model: C-212-CC, -CF
Trade Name:
Aircraft T.C./STC: A43EU
Propeller Model: HC-B4MN-5AL
Propeller T.C.: P56GL
Blade Model(s): LM10585ANK+4
Prop Diameter: 110"

IDS No.: 331 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: TPE331-10(R)-501C,-511C
Power: 900 HP @ 1591 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 42
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 7.0 +-0.3

Startlock Angle: -1.5 +-0.2
Feather/High Angle: 83.0 +-1.0
Cwt Angle: 3.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B4N00023	HC-B4MN-5AL/LM10585ANK+4/DEICE	2	A/C	
PROPELLER	B4N00023S	B4MN-5AL/LM10585ANK+4/D4544-L	2	A/C	
BLADE	LM10585ANK+4	PCP:BLADE ASSY, COMPOSITE	4	Prop	
SPINNER	D-4544-L	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2336-12	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2336-12
DE-ICE KIT_PR	7931-67-110-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

CASA

Model: C-212-CC, -CF
Trade Name:
Aircraft T.C./STC: A43EU
Propeller Model: HC-B4MN-5AL
Propeller T.C.:
Blade Model(s): LM10585B+4
Prop Diameter: 110"

IDS No.: 332 **Rev.:** **Date:** 2/5/1993
Modifier:
Engine: TPE331-10(R)-501C,-511C
Power: 900 HP @ 1591 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 42
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 7.0 +-0.3

Startlock Angle: -1.5 +-0.2
Feather/High Angle: 83.0 +-1.0
Cwt Angle: 3.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	LM10585B+4	COMPOST BLADE, 4E2336-10 BOOT	4	Prop	
SPINNER	D-4544-L	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663	PCP:SLUG, COUNTERWEIGHT	1	Blade	
DE-ICER	7931-4E2336-10	HOT PROP DE-ICER (CASA)	1	Blade	Blade Component
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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CASA

Model: 212
Trade Name: AVIOCAR
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3TN-5E
Propeller T.C.: P15EA
Blade Model(s): T10282B*4
T10282NB*4
Prop Diameter: 102.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -6.0 +-0.3
Low Pitch Angle:

IDS No.: 333 Rev.: 1 Date: 1/7/2011
Modifier:
Engine: TPE331-201
Power: 715 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.0 +-0.1
Feather/High Angle: 89.0 +-1.0
Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282B*4	IDS ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10282NB*4	IDS ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
SPINNER	D-3434-1	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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CESSNA

Model: ()206
Trade Name: Stationair
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF+2*1
Prop Diameter: 80"-78"

IDS No.: 2926 **Rev.:** **Date:** 12/11/2009

Modifier: Vitatoe Aviation LLC
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr: None

Notes: This installation data sheet is limited to aircraft that have been converted on STC's SA10010SC (Texas Skyways), SA00332AT & SA1482GL (Wipaire)

The C-4582-1(P) is eligible on TC'ed airplanes and STC's SA10010SC (Texas Skyways 206), SA00332AT (Atlantic Aero 206), SA1482GL (Wipaire 206).

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.8 +-0.2

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00252	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00252KD	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	A/C	See Notes
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	A/C	See Notes
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: ()206
Trade Name: Stationair
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF+2*1
Prop Diameter: 80"-78"

IDS No.: 2969 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr: None
Notes: This installation data sheet is limited to aircraft that have been converted on STC's SA10010SC (Texas Skyways), SA00332AT & SA1482GL (Wipaire)

The C-4582-1(P) is eligible on TC'ed airplanes and STC's SA10010SC (Texas Skyways 206), SA00332AT (Atlantic Aero 206), SA1482GL (Wipaire 206).

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.8 +-0.2

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00252	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00252KD	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	A/C	See Notes
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	A/C	See Notes
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: ()207()
Trade Name: Stationair
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693DF+2*1
Prop Diameter: 80"-78"

IDS No.: 2928 **Rev.:** 1 **Date:** 9/9/2011
Modifier: Vitatoe Aviation LLC
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr: None
Notes: This installation is limited to TC'd aircraft and aircraft previously converted on Texas Skyways STCSA10011SC

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.8 +-0.2

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F06101	HC-C3YF-1RF/F7693DF+2*[1]/SM6	1	A/C	
PROPELLER	C3F06101KD	HC-C3YF-1RF/F7693DF+2*[1]/SM6	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	Optional
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	Optional
SPINNER	D-5732	IDS Item	1	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	Optional With A-2295-1(P)
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: ()207()
Trade Name: Stationair
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693DF+2*1
Prop Diameter: 80"-78"

IDS No.: 2996 **Rev.:** 1 **Date:** 12/19/2012
Modifier: Hartzell Propeller
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr: None
Notes: This installation is limited to TC'd aircraft and aircraft previously converted on Texas Skyways STCSA10011SC

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.8 +-0.2

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F06101	HC-C3YF-1RF/F7693DF+2*[1]/SM6	1	A/C	
PROPELLER	C3F06101KD	HC-C3YF-1RF/F7693DF+2*[1]/SM6	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	Optional
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	Optional
SPINNER	D-5732	IDS Item	1	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	Optional With A-2295-1(P)
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: (T)207(A)
Trade Name: Stationair
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068-2*2
Prop Diameter: 80"-78"

IDS No.: 3239 **Rev.:** **Date:** 6/10/2013
Modifier: Vitatoe Aviation LLC
Engine: IO-550-F, N
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes: For use on Cessna (T)207(A) with Davis Aviation STC SA00173AT, including Davis spinner extension modification.

Prop Setup:

Ref. Radius 30"
Reverse Angle:
Low Pitch Angle: 13.0 +-0.2

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00502	HC-J3YF-1RF/F8068-2[*2]/SM44	1	A/C	
PROPELLER	J3F00502KD	HC-J3YF-1RF/F8068-2[*2]/SM44	1	A/C	
BLADE	F8068-2*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 180()
Trade Name: SKYWAGON
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068-2*2
Prop Diameter: 80" to 78"

IDS No.: 2921 **Rev.:** **Date:** 3/5/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: This installation data sheet is limited to aircraft that have been converted by Air Plains Service Corporation STC SA01345AT

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F07550	HC-C3YF-1RF/F8068-2[*2]/SM30	1	A/C	
PROPELLER	C3F07550KD	HC-C3YF-1RF/F8068-2[*2]/SM30	1	A/C	
BLADE	F8068-2*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 180()
Trade Name: SKYWAGON
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068-2*2
Prop Diameter: 80" to 78"

IDS No.: 2994 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: This installation data sheet is limited to aircraft that have been converted by Air Plains Service Corporation STC SA01345AT

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F07550	HC-C3YF-1RF/F8068-2[*2]/SM30	1	A/C	
PROPELLER	C3F07550KD	HC-C3YF-1RF/F8068-2[*2]/SM30	1	A/C	
BLADE	F8068-2*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 185, A185
Trade Name: Skywagon
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068-2*2
Prop Diameter: 80" to 78"

IDS No.: 2919 **Rev.:** 1 **Date:** 9/7/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: For Cessna A185, this installation data sheet is limited to aircraft that have been converted by Kenmore Air Harbor STC SA525NW

A-2476-6
 Spinner Mounting Kit and C-3575(-P)
 Spinner Assembly may only be used together

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F07551	HC-C3YF-1RF/F8068-2[*2]/SM6	1	A/C	
PROPELLER	C3F07551KD	HC-C3YF-1RF/F8068-2[*2]/SM6	1	A/C	
BLADE	F8068-2*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	See Notes
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	See Notes
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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Cessna

Model: 185, A185
Trade Name: Skywagon
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068-2*2
Prop Diameter: 80" to 78"

IDS No.: 2992 **Rev.:** 1 **Date:** 9/7/2010
Modifier: Hartzell Propeller
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: For Cessna A185, this installation data sheet is limited to aircraft that have been converted by Kenmore Air Harbor STC SA525NW

A-2476-6
 Spinner Mounting Kit and C-3575(-P)
 Spinner Assembly may only be used together

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F07551	HC-C3YF-1RF/F8068-2[*2]/SM6	1	A/C	
PROPELLER	C3F07551KD	HC-C3YF-1RF/F8068-2[*2]/SM6	1	A/C	
BLADE	F8068-2*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	See Notes
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	See Notes
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 185, A185, ()206()
Trade Name: Skywagon, Stationair
Aircraft T.C./STC: TBD
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s):
Prop Diameter: 80-78

IDS No.: 2901 **Rev.:** **Date:** 10/12/2009
Modifier: Vitatoe Aviation LLC
Engine: IO-550-D, IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: C-3575-P for eligibility see STC SA1522GL or STC SA2933SO. C-3535P for eligibility see STC SA2933SO. A-2295-1 for eligibility see STC SA00332AT & STC SASA1482GL (U206()). D-5732-P for eligibility see STC SA10010SC ()6().

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle: 12.8

Startlock Angle:
Feather/High Angle: 32.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	See notes
SPINNER	C-3535P	SPINNER ASSEMBLY	1	Prop	See notes
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	See notes
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	See notes
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	See notes

CESSNA

Model: 207, 207A
Trade Name: Stationair 7, Stationair 8
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068-2*2
Prop Diameter: 80" - 78"

IDS No.: 2920 **Rev.:** **Date:** 3/5/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F07550	HC-C3YF-1RF/F8068-2[*2]/SM30	1	A/C	
PROPELLER	C3F07550KD	HC-C3YF-1RF/F8068-2[*2]/SM30	1	A/C	
BLADE	F8068-2*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 207, 207A
Trade Name: Stationair 7, Stationair 8
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068-2*2
Prop Diameter: 80" - 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.3 + - 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F07550	HC-C3YF-1RF/F8068-2[*2]/SM30	1	A/C	
PROPELLER	C3F07550KD	HC-C3YF-1RF/F8068-2[*2]/SM30	1	A/C	
BLADE	F8068-2*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2993 **Rev.:** **Date:** 6/7/2010

Modifier: Hartzell Propeller
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: A185E, A185F
Trade Name: SKYWAGON
Aircraft T.C./STC: SA02528CH-D
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA

Blade Model(s): F8468A-2R*1
 F8468AR*1
Prop Diameter: 86" - 82"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 10.3 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00045	HC-C3YF-1RF/F8468AR[*1]/SM30			
PROPELLER	C3F00045KD	HC-C3YF-1RF/F8468AR[*1]/SM30			
PROPELLER	C3F00047	HC-C3YF-1RF/F8468A-2R[*1]/SM30			
PROPELLER	C3F00047KD	HC-C3YF-1RF/F8468A-2R[*1]/SM30			
BLADE	F8468A-2R*1	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
BLADE	F8468AR*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	C-3575	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2753 **Rev.:** **Date:** 7/9/2008

Modifier: HARTZELL PROPELLER
Engine: IO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr: Max RPM stop on propeller governor must be set at 2700 RPM. For propellers with 86"-85" diameters - Continuous operation is prohibited above 26" manifold pressure between 2250-2450 RPM.
Notes:

Startlock Angle:
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: A185E, A185F
Trade Name:
Aircraft T.C./STC: SA10070SC
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068-2
Prop Diameter: 80

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2696 **Rev.:** 1 **Date:** 10/7/2010
Modifier: TEXAS SKYWAYS
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00018	PHC-C3YF-1RF/F8068-2/SM7	1	A/C	
PROPELLER	C3F00018KD	PHC-C3YF-1RF/F8068-2/SM7	1	A/C	
BLADE	F8068-2	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	A/C	
GOVERNOR	S-1-28	GOVERNOR ASSEMBLY, S-1-28	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	USE WITH E-7154-2R HUB ONLY
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: T210L, T210M, TU206G
Trade Name: SUPER SKYWAGON, TURBO CENTURION
Aircraft T.C./STC: SA10615SC
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693F+2
 F7693FB+2*1
Prop Diameter: 80-78

IDS No.: 2738 **Rev.:** **Date:** 10/14/2009
Modifier: RAM AIRCRAFT CORP.
Engine: TSIO-520-R
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes: De-ice installation for TU206G S/N U20602589, U20604075+. -3 de-ice kit is same as -1 with boots added for field installation. De-ice installation is for 28V aircraft with airframe de-ice components approved in Cessna parts catalog.

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 14.0 +-0.2

Startlock Angle:
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F09050	PHC-J3YF-1RF/F7693F+2/SM9	1	A/C	
PROPELLER	J3F09050KD	PHC-J3YF-1RF/F7693F+2/SM9	1	A/C	
PROPELLER	J3F09061	PHC-J3YF-1RF/F7693FB+2[* 1]/SM9			
BLADE	F7693F+2	PCP:BLADE UNIT, ALUM [6,15,11]	3	Prop	
BLADE	F7693FB+2*1	PCP:BLADE UNIT, ALUM 102352	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
DE-ICER	102352	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	102418-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	102418-3	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: T210M, T210N, P210N
Trade Name: Centurion, Pressurized Centurion
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF+2
 F7693DFB+2

Prop Diameter: 80" - 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.8+-0.2

IDS No.: 2824 **Rev.:** **Date:** 3/5/2010
Modifier: Vitatoe Aviation LLC
Engine: TSIO-520-R, TSIO-520-P, TSIO-520-AF
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00252	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00252KD	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00453	HC-J3YF-1RF/F7693DFB+2/SM44/DE	1	A/C	
PROPELLER	J3F00453KD	HC-J3YF-1RF/F7693DFB+2/SM44/DE	1	A/C	
BLADE	F7693DF+2	PCP:BLADE UNIT, ALUM [6,1,11]	3	Prop	
BLADE	F7693DFB+2	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
DE-ICER	102811	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	103262	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	103308	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: T210M, T210N, P210N
Trade Name: Centurion, Pressurized Centurion
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF+2
 F7693DFB+2

Prop Diameter: 80" - 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.8+-0.2

IDS No.: 2971 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: TSIO-520-R, TSIO-520-P, TSIO-520-AF
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00252	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00252KD	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00453	HC-J3YF-1RF/F7693DFB+2/SM44/DE	1	A/C	
PROPELLER	J3F00453KD	HC-J3YF-1RF/F7693DFB+2/SM44/DE	1	A/C	
BLADE	F7693DF+2	PCP:BLADE UNIT, ALUM [6,1,11]	3	Prop	
BLADE	F7693DFB+2	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
DE-ICER	102811	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	103262	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	103308	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: U206B Thru U206G s/n U20604074
Trade Name: See Notes
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068-2*2
Prop Diameter: 80" - 78"

IDS No.: 2918 **Rev.:** **Date:** 4/6/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: Aircraft Tradename: Skywagon, Super Skywagon, Stationair, Stationair 7, Stationair 8
 A-2295-1(P) : Eligible on stock 206B thru 206G s/n U20604974

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F07550	HC-C3YF-1RF/F8068-2[*2]/SM30	1	A/C	
PROPELLER	C3F07550KD	HC-C3YF-1RF/F8068-2[*2]/SM30	1	A/C	
BLADE	F8068-2*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	See Notes
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	See Notes
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: U206B Thru U206G s/n U20604074
Trade Name: See Notes
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068-2*2
Prop Diameter: 80" - 78"

IDS No.: 2991 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: Aircraft Tradename: Skywagon, Super Skywagon, Stationair, Stationair 7, Stationair 8
 A-2295-1(P) : Eligible on stock 206B thru 206G s/n U20604974

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F07550	HC-C3YF-1RF/F8068-2[*2]/SM30	1	A/C	
PROPELLER	C3F07550KD	HC-C3YF-1RF/F8068-2[*2]/SM30	1	A/C	
BLADE	F8068-2*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	See Notes
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	See Notes
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: LC42-550FG
Trade Name: CESSNA 350
Aircraft T.C./STC: A00003SE
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA

Blade Model(s): F7691D-1
 F7691DK-1
 F7691DK-1*1
Prop Diameter: 77.0" TO 76.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.1 +-0.1

IDS No.: 1411 **Rev.:** **Date:** 4/23/2008

Modifier:
Engine: IO-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr: Do not exceed 20 in. Manifold Pressure below 2200 RPM; Intentional spins are prohibited.

Notes: DeIcer and restrainer straps only installed; *De-Ice drawing: Columbia LB30711000 14V, LB30711100 28V

Startlock Angle: NA
Feather/High Angle: 34.7 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00028	PHC-J3YF-1RF/F7691D-1/SM35	1	A/C	
PROPELLER	J3F08000	PHC-J3YF-1RF/F7691DK-1/SM35	1	A/C	
PROPELLER	J3F08001	PHC-J3YF-1RF/F7691DK-1[*1/SM35	1	A/C	
BLADE	F7691D-1	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F7691DK-1	PCP:BLADE UNIT,ALUM,SMR2263-2	3	Prop	14 Volt
BLADE	F7691DK-1*1	PCP:BLADE UNIT, ALUM, SMR9050	3	Prop	28 Volt
SPINNER	C-6446-1	SPINNER ASSEMBLY	1	Prop	W/O DEICE&DYNAMIC BALANCE HOLE
SPINNER	C-6446-1P	SPINNER ASSEMBLY	1	Prop	W/O DEICE&DYNAMIC BALANCE HOLE
SPINNER	C-6446-2	SPINNER ASSEMBLY	1	Prop	W/DEICE&DYNAMIC BALANCE HOLES
SPINNER	C-6446-2P	SPINNER ASSEMBLY	1	Prop	W/DEICE&DYNAMIC BALANCE HOLES
SPIN MTG KIT	A-2476-35	SPINNER - MTG KIT	1	Prop	
DE-ICER	7931-SMR2263-2	PROP DE-ICER, 14 VOLT	1	Blade	
DE-ICER	7931-SMR6201	STRAP, RESTRAINER, DE-ICE	1	Blade	
DE-ICER	7931-SMR9050	PROP DE-ICER, 28 VOLT	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: LC40-550FG
Trade Name: CESSNA 300
Aircraft T.C./STC: A00003SE
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA

Blade Model(s): F7691D-1
 F7691DK-1
Prop Diameter: 77" to 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.1 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2559 **Rev.:** 1 **Date:** 12/2/2011

Modifier:
Engine: IO-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr: Do not exceed 20 in. MP with propeller below 2200 RPM; Intentional spins prohibited.
Notes: De-icer and restrainer straps only installed.

Startlock Angle: NA
Feather/High Angle: 34.7 +-1.0
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00028	PHC-J3YF-1RF/F7691D-1/SM35	1	A/C	
PROPELLER	J3F08000	PHC-J3YF-1RF/F7691DK-1/SM35	1	A/C	
BLADE	F7691D-1	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F7691DK-1	PCP:BLADE UNIT,ALUM,SMR2263-2	3	Prop	
SPINNER	C-6446-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-6446-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-35	SPINNER - MTG KIT	1	Prop	
DE-ICER	7931-SMR2263-2	PROP DE-ICER, 14 VOLT	1	Blade	DEICER
DE-ICER	7931-SMR6201	STRAP, RESTRAINER, DE-ICE	1	Blade	(Restrainer Strap)
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: LC41-550FG
Trade Name: CESSNA 400
Aircraft T.C./STC: Experimental
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF
Prop Diameter: 76.0"

IDS No.: 1833 **Rev.:** **Date:** 4/23/2008
Modifier:
Engine: TSIO-550-E
Power: 310 HP @ 2600 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.4 +-0.1

Startlock Angle: NA
Feather/High Angle: 40.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00210	HC-J3YF-1RF/F7693DF/SM35	1	A/C	
BLADE	F7693DF	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-6446-1	SPINNER ASSEMBLY	1	Prop	W/O DEICE&DYNAMIC BALANCE HOLE
SPINNER	C-6446-1P	SPINNER ASSEMBLY	1	Prop	W/O DEICE&DYNAMIC BALANCE HOLE
SPINNER	C-6446-2	SPINNER ASSEMBLY	1	Prop	W/DEICE&DYNAMIC BALANCE HOLES
SPINNER	C-6446-2P	SPINNER ASSEMBLY	1	Prop	W/DEICE&DYNAMIC BALANCE HOLES
SPIN MTG KIT	A-2476-35	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: LC41-550FG
Trade Name: CESSNA 400
Aircraft T.C./STC: Experimental
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF
Prop Diameter: 78.0"

IDS No.: 1510 **Rev.:** **Date:** 4/23/2008
Modifier:
Engine: TSIO-550-E
Power: 310 HP @ 2600 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.4 +-0.1

Startlock Angle: NA
Feather/High Angle: 40.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00031	PHC-J3YF-1RF/F7693DF/SM35	1	A/C	
BLADE	F7693DF	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-6446-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-6446-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-35	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: LC41-550FG, T240
Trade Name: CESSNA 400, CORVALIS TTx
Aircraft T.C./STC: A00003SE
Propeller Model: HC-H3YF-1RF
Propeller T.C.: P35EA
Blade Model(s): F7693DF
 F7693DF*1
 F7693DFK
 F7693DFK*1
Prop Diameter: 77.0" - 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +-0.1

IDS No.: 2016 **Rev.:** 2 **Date:** 5/6/2013

Modifier:
Engine: TSIO-550-C
Power: 310 HP @ 2600 RPM
Placard/Restr: Intentional spins prohibited.
Notes: Select or adjust A-2420-() high pitch stop spacer to assure a minimum of .010 clearance between piston and hub; For aircraft with 14 volt de-ice systems refer to Cessna deice drawing: LB30711000.

Startlock Angle: NA
Feather/High Angle: 43.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	H3F00311	HC-H3YF-1RF/F7693DF/SM35	1	A/C	
PROPELLER	H3F00320	HC-H3YF-1RF/F7693DF[*1]/SM35	1	A/C	
PROPELLER	H3F00400	HC-H3YF-1RF/F7693DFK/SM35	1	A/C	SMR DE-ICE
PROPELLER	H3F00410	HC-H3YF-1RF/F7693DFK[*1]/SM35	1	A/C	HPI DE-ICE
PROPELLER	H3F00410S	HC-H3YF-1RF/F7693DFK[*1]/SM35	1	A/C	HPI DE-ICE
BLADE	F7693DF	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F7693DF*1	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
BLADE	F7693DFK	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	28 VOLT SMR DE-ICE
BLADE	F7693DFK*1	PCP:BLADE,ALUM.[6,1,5],102196	3	Prop	28V HARTZELL DE-ICE
SPINNER	C-6446-2	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-6446-2P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-35	SPINNER - MTG KIT	1	Prop	
DE-ICER	102196	DE-ICE BOOT	1	Blade	28V HARTZELL DE-ICE
DE-ICER	7931-SMR2263-2	PROP DE-ICER, 14 VOLT	1	Blade	14 VOLT SMR DE-ICE (SEE NOTES)
DE-ICER	7931-SMR6201	STRAP, RESTRAINER, DE-ICE	1	Blade	STRAP
DE-ICER	7931-SMR9050	PROP DE-ICER, 28 VOLT	1	Blade	28 VOLT SMR DE-ICE
DE-ICE KIT_PR	102284-1	DE-ICE KIT (ONE PROP)	1	Prop	28 Volt HARTZELL DE-ICE
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: T50
Trade Name:
Aircraft T.C./STC: STC-SA2397
Propeller Model: HC-93Z20-2B
Propeller T.C.:
Blade Model(s): 9349-5
9349N-5
9350-5
9350N-5

Prop Diameter: 88" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

IDS No.: 334 **Rev.:** **Date:** 10/2/1992
Modifier: L. L. WALKER
Engine: R680-9, R680-13
Power: 300 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	9349-5	IDS Item	3	Prop	REPLACED BY 9349N-5
BLADE	9349N-5	IDS Item	3	Prop	
BLADE	9350-5	IDS Item	3	Prop	REPLACED BY 9350N-5
BLADE	9350N-5	IDS Item	3	Prop	
SPINNER	836-31	IDS Item	1	Prop	
SPINNER	836-32	IDS Item	1	Prop	

CESSNA

Model: 120, 140, 140A
Trade Name:
Aircraft T.C./STC: 5A2
Propeller Model: HA-12UF-1
Propeller T.C.:
Blade Model(s): 7214
7214M
7414
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius: 0
Reverse Angle: NA
Low Pitch Angle:

IDS No.: 335 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: C85-12, -12F, -14F
Power: 85 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7214	IDS Item	2	Prop	
BLADE	7214M	IDS Item	2	Prop	
BLADE	7414	IDS Item	2	Prop	

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CESSNA

Model: 170
Trade Name:
Aircraft T.C./STC: STC-SA135CE
Propeller Model: HC-82XL-1F, HC-A2XL-1
Propeller T.C.: P24EA
Blade Model(s): 7636-4
7636D-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2130 **Rev.:** **Date:** 1/12/2004
Modifier: KWAD CO.
Engine: O-320-(A,B)1(A,B), -(A,B)3(A,B)
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.5 +0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	2	Prop	
BLADE	7636D-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30

CESSNA

Model: 170
Trade Name:
Aircraft T.C./STC: STC-SA135CE
Propeller Model: HC-82VL-1F, HC-A2VL-1
Propeller T.C.: P24EA
Blade Model(s): V7636D-4
V7636N-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2131 **Rev.:** **Date:** 1/12/2004
Modifier: KWAD CO.
Engine: O-320-(A,B)1(A,B), -(A,B)3(A,B)
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.5 +0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30

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CESSNA

Model: 170
 Trade Name:
 Aircraft T.C./STC: STC-SA135CE
 Propeller Model: HC-A2MVL-1
 Propeller T.C.: P24EA
 Blade Model(s): MV7636N-4
 Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superceded, use 835-30

IDS No.: 338 Rev.: Date: 1/12/2004
 Modifier: KWAD CO.
 Engine: O-320-(A,B)1(A,B), -(A,B)3(A,B)
 Power: 160 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 25.5 +-0.5
 Cwt Angle: Positive

Non-HPI Governor: WOODWARD

CESSNA

Model: 170
 Trade Name:
 Aircraft T.C./STC: STC-SA1-245
 Propeller Model: HC-82XL-1F, HC-A2XL-1F, HC-82XL-1, HC-A2XL-1
 Propeller T.C.: P24EA
 Blade Model(s): 8433-12
 Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 11.3 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433-12	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2128 Rev.: Date: 11/21/2003
 Modifier: TURNER AVIATION
 Engine: O-340-A1A
 Power: 170 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 23.6 +-0.5
 Cwt Angle: Positive

Non-HPI Governor:

HARTZELL

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CESSNA

Model: 170
 Trade Name:
 Aircraft T.C./STC: STC-SA3-13
 Propeller Model: HC-82XL-1, HC-A2XL-1
 Propeller T.C.: P24EA
 Blade Model(s): 7636-4
 7636D-4
 Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	7636-4	BLADE	2	Prop	
BLADE	7636D-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30
GOVERNOR	B4-1	IDS Item	1	A/C	

IDS No.: 2132 Rev.: Date: 1/12/2004
 Modifier: KWAD CO.
 Engine: O-340
 Power: 170 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 25.5 +0.5
 Cwt Angle: Positive

Non-HPI Governor: WOODWARD

CESSNA

Model: 170
 Trade Name:
 Aircraft T.C./STC: STC-SA1-245
 Propeller Model: HC-82VL-1F, HC-A2VL-1F, HC-82VL-1, HC-A2VL-1
 Propeller T.C.: P24EA
 Blade Model(s): V8433N-12
 Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 11.3 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433N-12	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2129 Rev.: Date: 11/21/2003
 Modifier: TURNER AVIATION
 Engine: O-340-A1A
 Power: 170 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 23.6 +0.5
 Cwt Angle: Positive

Non-HPI Governor:

HARTZELL

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CESSNA

Model: 170
Trade Name:
Aircraft T.C./STC: STC-SA3-13
Propeller Model: HC-82VL-1, HC-A2VL-1
Propeller T.C.: P24EA
Blade Model(s): V7636D-4
V7636N-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2133 **Rev.:** **Date:** 1/12/2004
Modifier: KWAD CO.
Engine: O-340
Power: 170 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30
GOVERNOR	B4-1	IDS Item	1	A/C	

CESSNA

Model: 170
Trade Name:
Aircraft T.C./STC: STC-SA1-245
Propeller Model: HC-A2MVL-1
Propeller T.C.: P24EA
Blade Model(s): MV8433N-12
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.3 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 337 **Rev.:** **Date:** 5/14/1998
Modifier: TURNER AVIATION
Engine: O-340-A1A
Power: 170 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 23.6 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-12	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

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CESSNA

Model: 170
Trade Name:
Aircraft T.C./STC: STC-SA3-13
Propeller Model: HC-A2MVL-1
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 339 **Rev.:** **Date:** 1/12/2004
Modifier: KWAD CO.
Engine: O-340
Power: 170 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superceded, use 835-30
GOVERNOR	B4-1	IDS Item	1	A/C	

CESSNA

Model: 170
Trade Name:
Aircraft T.C./STC: STC-SA421CE
Propeller Model: HC-C2YK-1A
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: UNKNOWN

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 340 **Rev.:** **Date:** 10/12/2006
Modifier: MID AMERICAN STOL
Engine: O-360-A1A, -A1D
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.
Notes:

Startlock Angle: NA
Feather/High Angle: UNKNOWN
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 175, 175 A, B, C
Trade Name:
Aircraft T.C./STC: SA02343AK
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920
Blade Model(s): F8477-2
Prop Diameter: 82" to 81"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.5 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 3130 **Rev.:** 2 **Date:** 1/10/2013

Modifier: David A. Stoots
Engine: IO-390-A3A6
Power: 210 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 30.0 +/- 1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R11200	HC-C2YR-1BFP/F8477-2/SM41	1	A/C	
BLADE	F8477-2	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-41	SPINNER - MTG KIT	1	Prop	

CESSNA

Model: 170, 170A, 170B
Trade Name:
Aircraft T.C./STC: STC-SA135CE
Propeller Model: HC-82XL-1F
Propeller T.C.: P878
Blade Model(s): 7636D-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2363 **Rev.:** **Date:** 12/18/2003

Modifier: KWAD CO.
Engine: O-320-(A,B)1(A,B), (A,B)3(A,B)
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636D-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	

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CESSNA

Model: 170, 170A, 170B
Trade Name:
Aircraft T.C./STC: STC-SA135CE
Propeller Model: HC-82VL-1F
Propeller T.C.: P23EA
Blade Model(s): V7636D-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2364 **Rev.:** **Date:** 12/18/2003

Modifier: KWAD CO.
Engine: O-320-(A,B)1(A,B), (A,B)3(A,B)
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	

CESSNA

Model: 170, 172, 175
Trade Name:
Aircraft T.C./STC: SA00461SE
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.0+-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1854 **Rev.:** **Date:** 2/10/2005

Modifier: DEL-AIR
Engine: O-360
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Must use C-1576 damper assembly

Startlock Angle: NA
Feather/High Angle: 30.9+-1.0
Cwt Angle:

Non-HPI Governor: NA

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00074	HC-C2YR-1BF/F8477-4/SM16/C1576	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

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CESSNA

Model: 170A
Trade Name:
Aircraft T.C./STC: STC-SA1-240
Propeller Model: HC-12X20-8, HC-D2X20-8, HC-12X20-8D, HC-D2X20-8D
Propeller T.C.: P48GL
Blade Model(s): 8433-6
Prop Diameter: 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433-6	BLADE	2	Prop	
COUNTERWEIGHT	833-9	IDS Item	1	Blade	

IDS No.: 2126 Rev.: Date: 11/21/2003
Modifier: FULTON CONVERSION
Engine: O-435-C
Power: 190 HP @ 2550 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 23.6 +0.5
Cwt Angle: Positive

Non-HPI Governor:

CESSNA

Model: 170A
Trade Name:
Aircraft T.C./STC: STC-SA1-240
Propeller Model: HC-12V20-8, HC-D2V20-8, HC-12V20-8D, HC-D2V20-8D
Propeller T.C.: P48GL
Blade Model(s): V8433-6
V8433N-6
Prop Diameter: 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433-6	BLADE	2	Prop	
BLADE	V8433N-6	BLADE	2	Prop	
COUNTERWEIGHT	833-9	IDS Item	1	Blade	

IDS No.: 2127 Rev.: Date: 11/21/2003
Modifier: FULTON CONVERSION
Engine: O-435-C
Power: 190 HP @ 2550 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 23.6 +0.5
Cwt Angle: Positive

Non-HPI Governor:

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CESSNA

Model: 170A
 Trade Name:
 Aircraft T.C./STC: STC-SA1-240
 Propeller Model: HC-D2MV20-8
 Propeller T.C.: P48GL
 Blade Model(s): MV8433N-6
 Prop Diameter: 78"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 10.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8433N-6	PCP:BLADE UNIT, ALUMINUM	2	Prop	
COUNTERWEIGHT	833-9	IDS Item	1	Blade	

IDS No.: 336 Rev.: Date: 5/14/1998
 Modifier: FULTON CONVERSION
 Engine: O-435-C
 Power: 190 HP @ 2550 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 23.6 +0.5
 Cwt Angle: Positive

Non-HPI Governor:

CESSNA

Model: 170A, 170B
 Trade Name:
 Aircraft T.C./STC: STC-SA3-13
 Propeller Model: HC-82XL-1F
 Propeller T.C.: P878
 Blade Model(s): 8433-12
 Prop Diameter: 72.2"

Prop Setup:

Ref. Radius
 Reverse Angle:
 Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433-12	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	
GOVERNOR	B4-1	IDS Item	1	A/C	

IDS No.: 2365 Rev.: Date: 12/18/2003
 Modifier: KWAD CO.
 Engine: O-340-A1A
 Power: 170 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle:
 Feather/High Angle:
 Cwt Angle:

Non-HPI Governor: WOODWARD

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CESSNA

Model: 170A, 170B
Trade Name:
Aircraft T.C./STC: STC-SA3-13
Propeller Model: HC-82VL-1F
Propeller T.C.: P23EA
Blade Model(s): V8433N-12
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433N-12	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	
GOVERNOR	B4-1	IDS Item	1	A/C	

IDS No.: 2366 **Rev.:** **Date:** 12/18/2003
Modifier: KWAD CO.
Engine: O-340-A1A
Power: 170 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor: WOODWARD

CESSNA

Model: 170(A,B)
Trade Name:
Aircraft T.C./STC: SA02155AK
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.0+-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R00077	HC-C2YR-1BF/F8477-4/SM16/C1576	1	A/C	
PROPELLER	C2R00083	HC-C2YR-1BF/F8477-4/SM16	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

IDS No.: 2457 **Rev.:** **Date:** 3/2/2004
Modifier: DAVID A. STOOTS
Engine: O-360-() ()
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Must use C-1576 damper assembly

Startlock Angle: NA
Feather/High Angle: 30.9+-1.0
Cwt Angle:

Non-HPI Governor:

HARTZELL

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CESSNA

Model: 170, 170A, 170B
Trade Name:
Aircraft T.C./STC: STC-SA749CE
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.2 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00008	HC-C2YK-1BF/F7666A	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-33P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 341 **Rev.:** **Date:** 6/14/2007
Modifier: ROBERT WILLIAMS (AVCON)
Engine: O-360-A1A, -A1B
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 170A, 170B
Trade Name:
Aircraft T.C./STC: STC-SA806CE
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00045	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 342 **Rev.:** **Date:** 8/26/2006
Modifier: AVCON INDUSTRIES
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes: 170B: Land planes, normal category only

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

HARTZELL

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CESSNA

Model: 170A, 170B
Trade Name:
Aircraft T.C./STC: SA01111CH
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0+-0.2

IDS No.: 1458 **Rev.:** **Date:** 9/29/2004
Modifier: HARTZELL PROPELLER
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Must use C-1576 damper assembly

Startlock Angle: NA
Feather/High Angle: 30.9+-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00074	HC-C2YR-1BF/F8477-4/SM16/C1576	1	A/C	
PROPELLER	C2R00074STP	C2R00074/SM16/C-3568-P/C-1576	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

CESSNA

Model: 170A,B 172,172A-H 175,175A-C P172D
Trade Name:
Aircraft T.C./STC: STC-SA00461SE
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A
Prop Diameter: 76" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 1559 **Rev.:** **Date:** 8/26/2006
Modifier: DEL-AIR
Engine: O-360-A1A, -A1D
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: TBD

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00038	HC-C2YK-1BF/F7666A/SM8	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 170B, 172, 172(A-P), 175, 175(A-C)

Trade Name: SKYHAWK

Aircraft T.C./STC: STC-SA293NW

Propeller Model: HC-C2YF-1BF

Propeller T.C.: P-920

Blade Model(s): F8459-4
F8459A-4

Prop Diameter: 80" TO 76"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 9.5 +-0.1

IDS No.: 351

Rev.:

Date: 8/9/1999

Modifier: GLD SYSTEMS (FRANKLIN A/C ENGINES)

Engine: 6A-350-C1(R,L), -C2

Power: 215 HP @ 2800 RPM

Placard/Restr:

Notes: Uses non-standard mounting stud per customer's request

Startlock Angle: NA

Feather/High Angle: 30.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00319	HC-C2YF-1BF/F8459A-4/SM2	1	A/C	
BLADE	F8459-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F8459A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-4203	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-9A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-2	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-5	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 170B, 172, 172(A-P), 175, 175(A-C)

Trade Name: SKYHAWK

Aircraft T.C./STC: STC-SA293NW

Propeller Model: HC-C2YF-1BF

Propeller T.C.: P-920

Blade Model(s): F8459A-4
F8459A-4Q

Prop Diameter: 80" TO 76"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 9.5 +-0.1

IDS No.: 2018

Rev.:

Date: 1/12/2004

Modifier: FRANKLIN AIRCRAFT ENGINES

Engine: 6A-350-C1(R,L),-C2

Power: 215 HP @ 2800 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 30.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00319	HC-C2YF-1BF/F8459A-4/SM2	1	A/C	
PROPELLER	C2F00322	HC-C2YF-1BF/F8459A-4Q/SM2	1	A/C	
BLADE	F8459A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F8459A-4Q	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-4203-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-9A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-2	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-5	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 172
Trade Name: SKYHAWK
Aircraft T.C./STC: STC-SA3-126
Propeller Model: HC-82XL-1, HC-A2XL-1, HC-82XL-1F, HC-A2XL-1F
Propeller T.C.: P24EA
Blade Model(s): 8433-12
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.3 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433-12	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30
MTG BOLT/STUD	B-322	BOLT,7/16-20,HEX HEAD	6	Prop	

IDS No.: 2134 Rev.: Date: 1/12/2004

Modifier: KWAD CO.
Engine: O-340-A1A
Power: 170 HP @ 2700 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 23.0 +-2.5
Cwt Angle: Positive

Non-HPI Governor:

CESSNA

Model: 172
Trade Name: SKYHAWK
Aircraft T.C./STC: STC-SA3-126
Propeller Model: HC-82VL-1, HC-A2VL-1, HC-82VL-1F, HC-A2VL-1F
Propeller T.C.: P24EA
Blade Model(s): V8433N-12
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.3 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433N-12	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30
MTG BOLT/STUD	B-322	BOLT,7/16-20,HEX HEAD	6	Prop	

IDS No.: 2135 Rev.: Date: 1/12/2004

Modifier: KWAD CO.
Engine: O-340-A1A
Power: 170 HP @ 2700 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 23.0 +-2.5
Cwt Angle: Positive

Non-HPI Governor:

HARTZELL

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CESSNA

Model: 172
Trade Name: SKYHAWK
Aircraft T.C./STC: STC-SA3-126
Propeller Model: HC-A2MVL-1
Propeller T.C.: P24EA
Blade Model(s): MV8433N-12
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.3 +0.2

IDS No.: 343 **Rev.:** 1 **Date:** 1/7/2011
Modifier: KWAD CO.
Engine: O-340-A1A
Power: 170 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 23.0 +2.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A22L1010	HC-A2MVL-1/MV8433N-12	1	A/C	
BLADE	MV8433N-12	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30
MTG BOLT/STUD	B-322	BOLT,7/16-20,HEX HEAD	6	Prop	

CESSNA

Model: 172
Trade Name: SKYHAWK
Aircraft T.C./STC: STC-SA3-571
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +0.2

IDS No.: 344 **Rev.:** **Date:** 10/12/2006
Modifier: KWAD CO.
Engine: O-360-A1D
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 27.0 +2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00042	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-20	IDS Item	1	Prop	
GOVERNOR	F3-2	GOVERNOR ASSEMBLY, F-3-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 172
Trade Name: SKYHAWK
Aircraft T.C./STC: STC-SA807CE
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A
 F7666A-2

Prop Diameter: 72" MIN

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner: AVCON

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00007	HC-C2YK-1BF/F7666A			
PROPELLER	C2K00045	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F3-1A	GOVERNOR ASSEMBLY, F-3-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 352 **Rev.:** **Date:** 6/14/2007
Modifier: AVCON INDUSTRIES
Engine: O-360-A1A, -A1D, -A1F6
Power: 180 HP @ 2700 RPM
Placard/Restr: F7666A, O-360-A1A, -A1D - Avoid continuous operation between 2000 and 2250 RPM. F7666A-2, O-360-A1F6 - None

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 172
Trade Name: SKYHAWK
Aircraft T.C./STC: STC-SA1342GL
Propeller Model: BHC-J2YF-1C
Propeller T.C.: P37EA
Blade Model(s): B7421
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.3 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	B7421	PCP:BLADE ASSY, COMPOSITE	2	Prop	
SPINNER	D-5413-P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 353 **Rev.:** **Date:** 7/21/1999
Modifier: PORSCHE
Engine: PFM 3200
Power: 217 HP @ 2343 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 40.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 172, 175
Trade Name: SKYHAWK
Aircraft T.C./STC: STC-SA610SW
Propeller Model: HC-82XL-2, HC-A2XL-2
Propeller T.C.:
Blade Model(s): 7636-4
7636D-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	2	Prop	
BLADE	7636D-4	BLADE	2	Prop	

IDS No.: 2136 **Rev.:** **Date:** 11/21/2003
Modifier: RFB COMPANY
Engine: O-320
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

CESSNA

Model: 172, 175
Trade Name: SKYHAWK
Aircraft T.C./STC: STC-SA610SW
Propeller Model: not procurable
Propeller T.C.:
Blade Model(s):
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 347 **Rev.:** **Date:** 5/14/1998
Modifier: RFB COMPANY
Engine: O-320
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

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CESSNA

Model: 172, 175
Trade Name: SKYHAWK
Aircraft T.C./STC: STC-SA610SW
Propeller Model: HC-82VL-2, HC-A2VL-2
Propeller T.C.:
Blade Model(s): V7636D-4
V7636N-4

Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

IDS No.: 2137 **Rev.:** **Date:** 11/21/2003
Modifier: RFB COMPANY
Engine: O-320
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	

CESSNA

Model: 172, 175
Trade Name: SKYHAWK
Aircraft T.C./STC: STC-SA610SW
Propeller Model: HC-92ZK-2B
Propeller T.C.: P892
Blade Model(s): 8447-12A
8447N-12A

Prop Diameter: 71.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: UNKNOWN

IDS No.: 348 **Rev.:** 1 **Date:** 1/7/2011
Modifier: RFB COMPANY
Engine: O-360
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: UNKNOWN
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8447-12A	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447N-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	

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CESSNA

Model: 172, A, B, C, D, E, F, G, H
Trade Name: SKYHAWK
Aircraft T.C./STC: STC-SA420CE
Propeller Model: HC-C2YR-1B
Propeller T.C.: P-920

Blade Model(s): F7666-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: UNKNOWN

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7666-2	IDS Item	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 345 **Rev.:** **Date:** 10/12/2006
Modifier: MID AMERICAN STOL
Engine: O-360-A1A, -A1D
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: UNKNOWN
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 172, 172A-I, 172K-N, 172P
Trade Name:
Aircraft T.C./STC: SA02186AK
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0+-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00074	HC-C2YR-1BF/F8477-4/SM16/C1576	1	A/C	
PROPELLER	C2R00074STP	C2R00074/SM16/C-3568-P/C-1576	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	Alternate
SPINNER	835-23P	SPINNER ASSEMBLY	1	Prop	Alternate
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

IDS No.: 1877 **Rev.:** **Date:** 9/29/2004
Modifier: HARTZELL PROPELLER
Engine: O-360-() ()
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Must use C-1576 damper assembly

Startlock Angle: NA
Feather/High Angle: 30.9+-1.0
Cwt Angle:

Non-HPI Governor:

HARTZELL

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CESSNA

Model: 172, 172(A-P)
Trade Name:
Aircraft T.C./STC: SA02155AK
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0+-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2458 **Rev.:** **Date:** 2/18/2004
Modifier: DAVID A. STOOTS
Engine: O-360-() ()
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Must use C-1576 damper assembly

Startlock Angle: NA
Feather/High Angle: 30.9+-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R00077	HC-C2YR-1BF/F8477-4/SM16/C1576	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

CESSNA

Model: 172A-N
Trade Name: SKYHAWK
Aircraft T.C./STC: STC-SA87NW
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 350 **Rev.:** **Date:** 6/14/2007
Modifier: KENMORE AIR HARBOR
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:
Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00009	HC-C2YK-1BF/F7666A	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-33P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 172I, K, L, M, N
Trade Name: SKYHAWK
Aircraft T.C./STC: STC-SA647CE
Propeller Model: HC-C2YR-1B(F)
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 76.0" TO 72.5"

IDS No.: 349 **Rev.:** **Date:** 8/26/2006
Modifier: ROBERT WILLIAMS (AVCON)
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM
Notes: STC permits use of Non-F pitch change knob configuration. All new manufactured propellers will be 1BF/F configuration.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00025	HC-C2YR-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-21P	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F3-1	IDS Item	1	A/C	
GOVERNOR	F3-1A	GOVERNOR ASSEMBLY, F-3(-)	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 172I, K, L, M, N
Trade Name: SKYHAWK
Aircraft T.C./STC: STC-SA647CE
Propeller Model: HC-C2YR-1B(F)
Propeller T.C.: P-920

Blade Model(s): F7666
 F7666A
 F7666A-2

Prop Diameter: 76.0" TO 72.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 1666 **Rev.:** **Date:** 8/26/2006
Modifier: ROBERT WILLIAMS (AVCON)
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM
Notes: IBF and F before blade model

Startlock Angle: NA
Feather/High Angle: 29.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7666	IDS Item	2	Prop	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-21P	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F3-1	IDS Item	1	A/C	
GOVERNOR	F3-1A	GOVERNOR ASSEMBLY, F-3-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: R172K
Trade Name: HAWK XP
Aircraft T.C./STC: STC SA02078CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7392*2
Prop Diameter: 75

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.6 +-0.2

IDS No.: 2509 **Rev.:** **Date:** 2/22/2005
Modifier: HARTZELL PROPELLER
Engine: IO-360-K, -KB
Power: 195 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00067	HC-C3YF-1RF/F7392[*2]/SM9	1	A/C	
PROPELLER	C3F00067KD	HC-C3YF-1RF/F7392[*2]/SM9	1	A/C	
PROPELLER	C3F00067SKDTP	C3F00067/SM9/A-2295-1P	1	A/C	
PROPELLER	C3F00067STP	C3F00067/SM9/A-2295-1P	1	A/C	
BLADE	F7392*2	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	Shorter Stud

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CESSNA

Model: R172K
Trade Name: HAWK XP
Aircraft T.C./STC: STC SA02078CH/SA 1437 CE
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7392*2
Prop Diameter: 75

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.2 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2540 **Rev.:** **Date:** 2/23/2005
Modifier: HARTZELL PROPELLER
Engine: IO-360-KC, -KBC
Power: 210 HP @ 2800 RPM
Placard/Restr:
Notes: With Isham STC

Startlock Angle:
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00069	HC-C3YF-1RF/F7392[*2]/SM9	1	A/C	
PROPELLER	C3F00069KD	HC-C3YF-1RF/F7392[*2]/SM9	1	A/C	
PROPELLER	C3F00069SKDTP	C3F00069/SM9/A-2295-1P	1	A/C	
PROPELLER	C3F00069STP	C3F00069/SM9/A-2295-1P	1	A/C	
BLADE	F7392*2	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	Shorter Stud

CESSNA

Model: 175
Trade Name:
Aircraft T.C./STC: STC-SA3-674
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 354 **Rev.:** **Date:** 10/12/2006
Modifier: KWAD CO.
Engine: O-360-A1D
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:
Startlock Angle: NA
Feather/High Angle: 27.0 +-2.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-20	IDS Item	1	Prop	
GOVERNOR	F3-2	GOVERNOR ASSEMBLY, F-3-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 175, 175A
Trade Name:
Aircraft T.C./STC: STC-SA424CE
Propeller Model: HC-92ZK-8D
Propeller T.C.: P892

Blade Model(s): 8447-12A
8447N-12A

Prop Diameter: 71.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8447-12A	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447N-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	4	Prop	
MTG BOLT/STUD	A-1333-2	IDS Item	2	Prop	

IDS No.: 356 **Rev.:** **Date:** 6/14/2007
Modifier: ROBERT WILLIAMS
Engine: O-360-A1D, -A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Do not exceed 23 inches manifold pressure below 2300 RPM.
Notes: Mounting bolts (2 EA) A-1333-2 OR -6

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

CESSNA

Model: 175, 175A
Trade Name:
Aircraft T.C./STC: STC-SA424CE
Propeller Model: HC-C2YR-1A, -1B
Propeller T.C.: P-920

Blade Model(s): F7666-2
F7666A-2

Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: UNKNOWN

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7666-2	IDS Item	2	Prop	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 355 **Rev.:** **Date:** 10/12/2006
Modifier: ROBERT WILLIAMS
Engine: O-360-A1D, -A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:
Startlock Angle: NA
Feather/High Angle: UNKNOWN
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 175, 175A, 175B, 175C

Trade Name:

Aircraft T.C./STC: STC-SA777CE

Propeller Model: HC-C2YK-1BF

Propeller T.C.: P-920

Blade Model(s): F7666A-2

Prop Diameter: 74"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner: AVCON

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00045	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F2-8A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
GOVERNOR	F3-1	IDS Item	1	A/C	
GOVERNOR	F3-1A	GOVERNOR ASSEMBLY, F-3-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 357

Rev.:

Date: 8/26/2006

Modifier: ROBERT WILLIAMS (AVCON)

Engine: O-360-A1A

Power: 180 HP @ 2700 RPM

Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: NA

Feather/High Angle: 29.0 +-1.0

Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 175, 175(A,B,C)

Trade Name:

Aircraft T.C./STC: SA02155AK

Propeller Model: HC-C2YR-1BF

Propeller T.C.: P-920

Blade Model(s): F8477-4

Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 10.0+-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00077	HC-C2YR-1BF/F8477-4/SM16/C1576	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

IDS No.: 2459

Rev.:

Date: 2/18/2004

Modifier: DAVID A. STOOTS

Engine: O-360-() ()

Power: 180 HP @ 2700 RPM

Placard/Restr:

Notes: Must use C-1576 damper assembly

Startlock Angle: NA

Feather/High Angle: 30.9+-1.0

Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 175, 175A-C
Trade Name:
Aircraft T.C./STC: SA02186AK
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0+-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1878 **Rev.:** **Date:** 8/6/2006
Modifier: HARTZELL PROPELLER
Engine: O-360-() ()
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Must use C-1576 damper assembly

Startlock Angle: NA
Feather/High Angle: 30.9+-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R00074	HC-C2YR-1BF/F8477-4/SM16/C1576	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	Alternate
SPINNER	835-23P	SPINNER ASSEMBLY	1	Prop	Alternate
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

CESSNA

Model: 177
Trade Name: CARDINAL
Aircraft T.C./STC: STC-SA906CE
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner: CUSTOMER SUPPLIED

IDS No.: 363 **Rev.:** **Date:** 12/17/2003
Modifier: ROBERT WILLIAMS (AVCON)
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM
Notes: Applicable only to aircraft S/N 661, 17700001, 1700003 through 17701164

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00045	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F3-1	IDS Item	1	A/C	
GOVERNOR	F3-2	GOVERNOR ASSEMBLY, F-3-()	1	A/C	
GOVERNOR	F3-2A	IDS Item	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 177
Trade Name: CARDINAL
Aircraft T.C./STC: STC-SA2508WE
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner: CUSTOMER SUPPLIED

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	H1	GOVERNOR ASSEMBLY, H-1-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 360 **Rev.:** **Date:** 8/26/2006
Modifier: HOLIDAY AERO
Engine: O-360-A1D
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 177
Trade Name: CARDINAL
Aircraft T.C./STC: STC-SA545CE
Propeller Model: HC-C2YR-1B
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: UNKNOWN

Non-HPI Items:

Non-HPI Spinner: CUSTOMER SUPPLIED

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 361 **Rev.:** **Date:** 8/26/2006
Modifier: ROBERT WILLIAMS
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: UNKNOWN
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 177B
Trade Name: CARDINAL
Aircraft T.C./STC: STC-SA1556GL
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA

Blade Model(s): F7282
 F7282*1
Prop Diameter: 74.0" TO 73.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 358 **Rev.:** 1 **Date:** 10/30/2012
Modifier: HARTZELL PROPELLER
Engine: O-360-A1F6(D)
Power: 180 HP @ 2700 RPM
Placard/Restr: Refer to 8110-3, TC and STC for further information.
Notes: Use spinner mounting kit only when listed on order

Startlock Angle: NA
Feather/High Angle: 30.0 +/- 0.5
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00021	HC-C3YR-1RF/F7282	1	A/C	
PROPELLER	C3R00021KD	HC-C3YR-1RF/F7282	1	A/C	
PROPELLER	C3R00021SKDTP	C3R00021/SM7/C-4582-P	1	A/C	
PROPELLER	C3R00021STP	C3R00021/SM7/C-4582-P	1	A/C	
BLADE	F7282	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F7282*1	IDS Item	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 177RG, F177RG
Trade Name: CARDINAL
Aircraft T.C./STC: STC-SA1556GL
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA

Blade Model(s): F7282
Prop Diameter: 74.0" TO 73.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1080 **Rev.:** **Date:** 4/5/2006
Modifier: HARTZELL PROPELLER
Engine: IO-360-A1B6(D)
Power: 200 HP @ 2700 RPM
Placard/Restr: Refer to 8110-3, TC and STC for further information.
Notes: 177RG TC# is A20CE, F177RG TC# is A26EU

Startlock Angle: NA
Feather/High Angle: 30.0 +/-0.5
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00022	HC-C3YR-1RF/F7282	1	A/C	
PROPELLER	C3R00022KD	HC-C3YR-1RF/F7282	1	A/C	
PROPELLER	C3R00022SKDTP	C3R00022/SM7/C-4582-P	1	A/C	
PROPELLER	C3R00022STP	C3R00022/SM7/C-4582-P	1	A/C	
BLADE	F7282	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 180(), 182()
Trade Name:
Aircraft T.C./STC: SA02278AK
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068
 F8068+2
Prop Diameter: 84" to 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2850 **Rev.:** **Date:** 4/28/2009
Modifier: P. PONK
Engine: (I)O-550-D, O-470-K,-L,-R,-S,-U,-50
Power: 300 HP @ 2700 RPM
Placard/Restr: None
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00800	PHC-G3YF-1RF/F8068/SM7	1	A/C	
PROPELLER	G3F00800KD	PHC-G3YF-1RF/F8068/SM7	1	A/C	
PROPELLER	G3F00850	PHC-G3YF-1RF/F8068+2/SM7	1	A/C	
PROPELLER	G3F00850KD	PHC-G3YF-1RF/F8068+2/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F8068+2	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 180, 182
Trade Name: Skylane, Skywagon
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius 30"
Reverse Angle:
Low Pitch Angle: 12.3+-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00502	HC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
PROPELLER	G3F00502KD	HC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	Optional
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	Optional
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	Optional
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2940 **Rev.:** **Date:** 3/5/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-550-F
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: Eligible on Texas Skyways STC's SA09132SC and SA09133SC.

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 180, 182
Trade Name: Skylane, Skywagon
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius 30"
Reverse Angle:
Low Pitch Angle: 12.3+-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00502	HC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
PROPELLER	G3F00502KD	HC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	Optional
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	Optional
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	Optional
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 3004 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: IO-550-F
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: Eligible on Texas Skyways STC's SA09132SC and SA09133SC.

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 180
 Trade Name: SKYWAGON
 Aircraft T.C./STC: 5A6
 Propeller Model: HC-82XF-1, HC-A2XF-1, HC-82XF-1A, HC-A2XF-1A
 Propeller T.C.: P24EA
 Blade Model(s):
 Prop Diameter: 8433; 84" to 82", 8833 NO CUT

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner: CESSNA

IDS No.: 2138 Rev.: Date: 11/21/2003

Modifier:
 Engine: O-470-A,-J(2550 rpm);-K(230 hp)
 Power: 225 HP @ 2600 RPM
 Placard/Restr:

Notes: WT 8833- 64 LBS

Startlock Angle: NA
 Feather/High Angle: 24.5 +-0.5
 Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

CESSNA

Model: 180
 Trade Name: SKYWAGON
 Aircraft T.C./STC: 5A6
 Propeller Model: HC-82VF-1, HC-A2VF-1, HC-82VF-1A, HC-A2VF-1A
 Propeller T.C.: P24EA
 Blade Model(s): V8833
 V8833N
 Prop Diameter: 8433; 84" to 82", 8833 NO CUT

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner: CESSNA

IDS No.: 2139 Rev.: Date: 11/21/2003

Modifier:
 Engine: O-470-A,-J(2550 rpm);-K(230 hp)
 Power: 225 HP @ 2600 RPM
 Placard/Restr:

Notes: WT 8833- 64 LBS

Startlock Angle: NA
 Feather/High Angle: 24.5 +-0.5
 Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8833	BLADE UNIT	2	Prop	
BLADE	V8833N	BLADE UNIT	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CESSNA

Model: 180
Trade Name: SKYWAGON
Aircraft T.C./STC: 5A6
Propeller Model: HC-A2MVF-1A
Propeller T.C.: P24EA
Blade Model(s): MV8433N
 MV8833N
Prop Diameter: 8433; 84" to 82", 8833 NO CUT

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +/-0.2

IDS No.: 364 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: O-470-A,-J(2550 rpm);-K(230 hp)
Power: 225 HP @ 2600 RPM
Placard/Restr:
Notes: Weight 8833- 64 lbs

Startlock Angle: NA
Feather/High Angle: 24.5 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: CESSNA

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A2F10020	HC-A2MVF-1A/MV8833N	1	A/C	
PROPELLER	A2F10021	HC-A2MVF-1A/MV8433N	1	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	MV8833N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT, MOUNTING, 1/2-20, 12 POINT	6	Prop	

CESSNA

Model: 180
Trade Name:
Aircraft T.C./STC: SA00852AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
 F7691*1
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +/-0.1

IDS No.: 1624 **Rev.:** 1 **Date:** 10/7/2010
Modifier: HARTZELL PROPELLER
Engine: O-470-A,J,K,L,R,S
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes: Engine Ratings Note: O-470-A,J (225hp).
 Approved for landplane operation only.

Startlock Angle: NA
Feather/High Angle: 31.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00025	PHC-C3YF-1RF/F7691/SM7	1	A/C	
PROPELLER	C3F00025KD	PHC-C3YF-1RF/F7691/SM7	1	A/C	
PROPELLER	C3F00025SKDTP	C3F00025/SM7/C-3535-1P	1	A/C	
PROPELLER	C3F00025STP	C3F00025/SM7/C-3535-1P	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F7691*1	PCP:BLADE UNIT, ALUM [3,1,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: 180K
Trade Name: SKYWAGON
Aircraft T.C./STC: SA00852AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 77.0 TO 78.0

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 14.1 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00025SKDTP*1	C3F00025/SM7/C-3535-1P	1	A/C	
PROPELLER	C3F00025STP*1	C3F00025/SM7/C-3535-1P	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

IDS No.: 2582 **Rev.:** 1 **Date:** 10/7/2010
Modifier: HARTZELL PROPELLER INC.
Engine: O-470-U
Power: 230 HP @ 2400 RPM
Placard/Restr:
Notes: Approved for landplane operation only.

Startlock Angle:
Feather/High Angle: 31.0 +-0.1
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 180
Trade Name:
Aircraft T.C./STC: SA090185C
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*1
Prop Diameter: 82

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.5+-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00039	PHC-C3YF-1RF/F8068[*1]/SM7	1	A/C	
BLADE	F8068*1	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

IDS No.: 2599 **Rev.:** 1 **Date:** 10/7/2010
Modifier: TEXAS SKYWAYS
Engine: O-550F/TS
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 180K
Trade Name: Skywagon
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0+-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2860 **Rev.:** 1 **Date:** 9/9/2011
Modifier: Vitatoe Aviation LLC
Engine: O-470-U
Power: 230 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F07101	HC-C3YF-1RF/F8068*[4]/SM6	1	A/C	
PROPELLER	C3F07101KD	HC-C3YF-1RF/F8068*[4]/SM6	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 180K
Trade Name: Skywagon
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0+-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2973 **Rev.:** 1 **Date:** 9/9/2011
Modifier: Hartzell Propeller
Engine: O-470-U
Power: 230 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F07101	HC-C3YF-1RF/F8068*[4]/SM6	1	A/C	
PROPELLER	C3F07101KD	HC-C3YF-1RF/F8068*[4]/SM6	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 180
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA09025SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL

Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00009	PHC-G3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1082 **Rev.:** **Date:** 7/19/2005

Modifier: HARTZELL PROPELLER
Engine: O-470-K, -L, -R, -S
Power: 230 HP @ 2600 RPM
Placard/Restr: Refer to 8110-3 and/or STC for further information.

Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 180
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA09025SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL

Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00019	PHC-G3YF-1RF/F7691/SM25	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732	IDS Item	1	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1680 **Rev.:** **Date:** 7/19/2005

Modifier: HARTZELL PROPELLER
Engine: O-470-K, -L, -R, -S
Power: 230 HP @ 2600 RPM
Placard/Restr: Refer to 8110-3 and/or STC for further information.

Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

HARTZELL

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CESSNA

Model: 180
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA09025SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F7691
 F7691*1
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

IDS No.: 1437 **Rev.:** **Date:** 7/19/2005
Modifier: HARTZELL PROPELLER
Engine: O-470-U
Power: 230 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00008	PHC-G3YF-1RF/F7691/SM25	1	A/C	
PROPELLER	G3F00008KD	PHC-G3YF-1RF/F7691/SM25	1	A/C	
PROPELLER	G3F00008SKDTP	G3F00008/SM25/D-4798-1P	1	A/C	
PROPELLER	G3F00008STP	G3F00008/SM25/D-4798-1P	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F7691*1	PCP:BLADE UNIT, ALUM [3,1,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5732	IDS Item	1	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 180
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA09025SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL

Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

IDS No.: 1679 **Rev.:** **Date:** 7/19/2005
Modifier: HARTZELL PROPELLER
Engine: O-470-U
Power: 230 HP @ 2400 RPM
Placard/Restr: Refer to 8110-3 and/or STC for further information.

Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00018	PHC-G3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 180, 182
Trade Name: SKYWAGON (SKYLANE 182)
Aircraft T.C./STC: STC-SE4988NM/SA09018SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F7691
F7691*1
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.4 +-0.2

IDS No.: 1083 **Rev.:** **Date:** 7/19/2005
Modifier: TEXAS SKYWAYS
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00001	PHC-G3YF-1RF/F7691/SM25	1	A/C	
PROPELLER	G3F00004	PHC-G3YF-1RF/F7691[*1]/SM25	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F7691*1	PCP:BLADE UNIT, ALUM [3,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 180, 182
Trade Name: SKYWAGON (SKYLANE 182)
Aircraft T.C./STC: STC-SE4988NM/SA09018SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F7691
F7691*1
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.4 +-0.2

IDS No.: 1677 **Rev.:** **Date:** 7/19/2005
Modifier: TEXAS SKYWAYS
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00014	PHC-G3YF-1RF/F7691/SM7	1	A/C	
PROPELLER	G3F00016	PHC-G3YF-1RF/F7691[*1]/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F7691*1	PCP:BLADE UNIT, ALUM [3,1,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 180()
Trade Name: Skywagon
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

IDS No.: 2904 **Rev.:** **Date:** 1/26/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-520-F (de-rated)
Power: 235 HP @ 2700 RPM
Placard/Restr:
Notes: C-5732-P: Eligible on STC SA09055SC
(Texas Skyways
180)
A-2476-25: Eligible on
STC SA09055SC (Texas Skyways 180)

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F07104	HC-C3YF-1RF/F8068*[4]/SM25	1	A/C	
PROPELLER	C3F07104KD	HC-C3YF-1RF/F8068*[4]/SM25	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	SEE NOTES
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	SEE NOTES
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 180()
Trade Name: Skywagon
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

IDS No.: 2981 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: IO-520-F (de-rated)
Power: 235 HP @ 2700 RPM
Placard/Restr:
Notes: C-5732-P: Eligible on STC SA09055SC
(Texas Skyways
180)
A-2476-25: Eligible on
STC SA09055SC (Texas Skyways 180)

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F07104	HC-C3YF-1RF/F8068*[4]/SM25	1	A/C	
PROPELLER	C3F07104KD	HC-C3YF-1RF/F8068*[4]/SM25	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	SEE NOTES
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	SEE NOTES
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 180()
Trade Name: SKYWAGON
Aircraft T.C./STC: SA02735CH
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

IDS No.: 2903 **Rev.:** 1 **Date:** 10/7/2010
Modifier: Vitatoe Aviation LLC
Engine: O-470-A, -K, -J, -L, -S
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes: A-2295-1(P) Eligible on STC SA09530SC
 (Texas Skyways
 180)

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Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F01901	PHC-C3YF-1RF/F8068[*4]/SM30	1	A/C	
PROPELLER	C3F01901KD	PHC-C3YF-1RF/F8068[*4]/SM30	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	SEE NOTES
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	SEE NOTES
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	Optional See notes
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	Optional See Notes
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	E-7154-2R HUB ONLY
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: 180()
Trade Name: SKYWAGON
Aircraft T.C./STC: SA02821CH
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

IDS No.: 2980 **Rev.:** 1 **Date:** 10/7/2010
Modifier: Hartzell Propeller
Engine: O-470-A, -K, -J, -L, -S
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes: A-2295-1(P) Eligible on STC SA09530SC
 (Texas Skyways
 180)

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Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F01901	PHC-C3YF-1RF/F8068[*4]/SM30	1	A/C	
PROPELLER	C3F01901KD	PHC-C3YF-1RF/F8068[*4]/SM30	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	SEE NOTES
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	SEE NOTES
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	Optional See notes
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	Optional See Notes
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	E-7154-2R HUB ONLY
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

CESSNA

Model: 180()
Trade Name: Skywagon
Aircraft T.C./STC: SA02821CH
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

IDS No.: 3040 **Rev.:** **Date:** 1/12/2011
Modifier: Hartzell Propeller
Engine: O-470-U,
Power: 230 HP @ 2400 RPM
Placard/Restr:
Notes: Eligible only on aircraft modified by Texas
 Skyways STC SA09530SC

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F01903	PHC-C3YF-1RF/F8068[*4]/SM25	1	A/C	
PROPELLER	C3F01903KD	PHC-C3YF-1RF/F8068[*4]/SM25	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	USE W/E-7154-2R HUB ONLY
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	USE W/E-7154-12R & E-7154-42R HUBS ONLY

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CESSNA

Model: 180()
Trade Name: Skywagon
Aircraft T.C./STC: SA02735CH
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.3 + - 0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 3039 **Rev.:** **Date:** 1/13/2011
Modifier: VITATOE AVIATION LLC
Engine: O-470-U
Power: 230 HP @ 2400 RPM
Placard/Restr:
Notes: Eligible only on aircraft modified by Texas Skyways STC SA09530SC

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F01903	PHC-C3YF-1RF/F8068[*4]/SM25	1	A/C	
PROPELLER	C3F01903KD	PHC-C3YF-1RF/F8068[*4]/SM25	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	USE W/E-7154-2R HUB ONLY
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	USE W/E-7154-12R & E-7154-42R HUBS ONLY

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CESSNA

Model: 180(), 182()
Trade Name:
Aircraft T.C./STC: SA02278AK
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA

IDS No.: 2026 **Rev.:** 1 **Date:** 10/7/2010
Modifier: P. PONK
Engine: IO-520-D, IO-550-D, 0-470-K,-L,-R,-S,-U,-50
Power: 300 HP @ 2700 RPM
Placard/Restr: Aircraft equipped with Continental engine Model IO-520-D must have the maximum RPM stop on the propeller governor set to 2700 RPM and the engine tachometer must have a red line installed at 2700 RPM.

Blade Model(s): F8068
 F8068+2
Prop Diameter: 84 TO 78

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00008	PHC-C3YF-1RF/F8068/SM7	1	A/C	
PROPELLER	C3F00008KD	PHC-C3YF-1RF/F8068/SM7			
PROPELLER	C3F00008S	PHC-C3YF-1RF/F8068/SM7/+SPIN	1	A/C	
PROPELLER	C3F00009	PHC-C3YF-1RF/F8068+2/SM7	1	A/C	
PROPELLER	C3F00009KD	PHC-C3YF-1RF/F8068+2/SM7	1	A/C	
PROPELLER	C3F00009S	PHC-C3YF-1RF/F8068+2/SM7/+SPIN	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F8068+2	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: 180A,B
Trade Name: SKYWAGON
Aircraft T.C./STC: 5A6
Propeller Model: HC-A2MVF-1A
Propeller T.C.: P24EA
Blade Model(s): MV8433N
MV8833N

Prop Diameter: 8433; 84" to 82", 8833 NO CUT

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 1639 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: O-470-K
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes: WT 8833- 64 LBS

Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	MV8833N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

CESSNA

Model: 180A,B
Trade Name: SKYWAGON
Aircraft T.C./STC: 5A6
Propeller Model: HC-82XF-1A, HC-A2XF-1A
Propeller T.C.: P24EA
Blade Model(s): 8433
Prop Diameter: 8433; 84" to 82", 8833 NO CUT

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 2306 **Rev.:** **Date:** 11/21/2003
Modifier:
Engine: O-470-K
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes: Weight 8833- 64 lbs

Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CESSNA

Model: 180A,B
Trade Name: SKYWAGON
Aircraft T.C./STC: 5A6
Propeller Model: HC-82VF-1A, HC-A2VF-1A
Propeller T.C.: P24EA
Blade Model(s): V8433
V8433N
Prop Diameter: 8433; 84" to 82", 8833 NO CUT

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2307 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: O-470-K
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes: Weight 8833- 64 lbs

Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

CESSNA

Model: 180, A, B, C, D, E, F, G, H
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA816SW
Propeller Model: BHC-82XF-3, BHC-A2XF-3
Propeller T.C.: P24EA
Blade Model(s):
Prop Diameter: 88" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2140 **Rev.:** **Date:** 11/21/2003

Modifier: PETERSON AIRCRAFT
Engine: O-470-A, -J, -R, -K, -L
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
SPINNER	837-11	SPINNER ASSEMBLY	1	Prop	
SPINNER	837-18	SPINNER ASSEMBLY	1	Prop	

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CESSNA

Model: 180, A, B, C, D, E, F, G, H
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA816SW
Propeller Model: BHC-A2(M)VF-3
Propeller T.C.: P24EA
Blade Model(s): MV8833N
V8833
Prop Diameter: 80"-R, 86"-A,J, 88"-K,L

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +/- 0.5
Low Pitch Angle: 13.0 +/- 0.1

IDS No.: 2142 **Rev.:** 1 **Date:** 9/9/2011
Modifier: PETERSON AIRCRAFT
Engine: O-470-A, -J, -R, -K, -L
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.5 +/- 0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A2F10165	BHC-A2MVVF-3/MV8833N	1	A/C	
BLADE	MV8833N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	V8833	BLADE UNIT	2	Prop	Replaced by MV8833N
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

CESSNA

Model: 180, A, B, C, D, E, F, G, H
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA816SW
Propeller Model: BHC-82VF-3, BHC-A2VF-3
Propeller T.C.: P24EA
Blade Model(s): V8833
V8833N
Prop Diameter: 88" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

IDS No.: 2141 **Rev.:** **Date:** 11/21/2003
Modifier: PETERSON AIRCRAFT
Engine: O-470-A, -J, -R, -K, -L
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8833	BLADE UNIT	2	Prop	
BLADE	V8833N	BLADE UNIT	2	Prop	
SPINNER	837-11	SPINNER ASSEMBLY	1	Prop	
SPINNER	837-18	SPINNER ASSEMBLY	1	Prop	

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CESSNA

Model: 180, A, B, C, D, E, F, G, H
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA816SW
Propeller Model: BHC-A2MVF-3
Propeller T.C.: P24EA
Blade Model(s): MV8833N
Prop Diameter: 88" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8833N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	837-11	SPINNER ASSEMBLY	1	Prop	
SPINNER	837-18	SPINNER ASSEMBLY	1	Prop	

IDS No.: 366 **Rev.:** **Date:** 5/14/1998
Modifier: PETERSON AIRCRAFT
Engine: O-470-A, -J, -R, -K, -L
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

CESSNA

Model: 180, A, B, C, D, E, F, G, H
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA816SW
Propeller Model: BHC-A2MVF-3
Propeller T.C.: P24EA
Blade Model(s): MV8833N
Prop Diameter: 80"-R, 86"-A,J, 88"-K,L

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8833N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	

IDS No.: 367 **Rev.:** **Date:** 5/14/1998
Modifier: PETERSON AIRCRAFT
Engine: O-470-A, -J, -R, -K, -L
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

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CESSNA

Model: 180, 180(A-H), J, K
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00785AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.7 +-0.1

IDS No.: 1085 **Rev.:** 1 **Date:** 10/7/2010
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr: Approved for both land and float operation
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00132	PHC-C3YF-1RF/F8468A-6R/SM7	1	A/C	
PROPELLER	C3F00132KD	PHC-C3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

CESSNA

Model: 180, 180(A-H), J, K
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00785AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

IDS No.: 1459 **Rev.:** **Date:** 11/17/1997
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr: Approved for both land and float operation
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00027	PHC-C3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 180, 180(A-H), J, K
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00852AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +- 0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1460 **Rev.:** **Date:** 4/9/2008

Modifier: HARTZELL PROPELLER

Engine: O-470-K, -L, -R, -S

Power: 230 HP @ 2600 RPM

Placard/Restr:

Notes: Engine Ratings Note: O-470-A,-J (225hp);
Approved for landplane operation only.

Startlock Angle: NA

Feather/High Angle: 31.0 +-1.0

Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 180, 180(A-H), J, K
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00852AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.1 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00022	PHC-C3YF-1RF/F7691/SM7	1	A/C	
PROPELLER	C3F00022KD	PHC-C3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

IDS No.: 1576 **Rev.:** 1 **Date:** 10/7/2010

Modifier: HARTZELL PROPELLER

Engine: O-470-U

Power: 230 HP @ 2400 RPM

Placard/Restr:

Notes: Approved for landplane operation only.

Startlock Angle: NA

Feather/High Angle: 31.0 +-1.0

Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 180, 180(A-H), J, K
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00852AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

IDS No.: 1461 **Rev.:** 1 **Date:** 10/7/2010
Modifier: HARTZELL PROPELLER
Engine: O-470-A, J, K, L, R, S
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes: Engine Ratings Note: O-470-A,J (225 HP). Approved for both landplane and floatplane operation.

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.9 +-0.1

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00001	PHC-C3YF-1RF/F8468A-6R/SM7	1	A/C	
PROPELLER	C3F00001SKDTP	C3F00001/SM7/C-3535-1P	1	A/C	
PROPELLER	C3F00001STP	C3F00001/SM7/C-3535-1P	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

CESSNA

Model: 180, 180(A-H), J, K
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00852AT
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

IDS No.: 1462 **Rev.:** **Date:** 7/19/2005
Modifier: HARTZELL PROPELLER
Engine: O-470-K,L
Power: 230 HP @ 2600 RPM
Placard/Restr: Approved for both land and float operation
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.9 +-0.1

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 180, 180(A-H), J, K
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00852AT
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1463 **Rev.:** **Date:** 4/9/2008

Modifier: HARTZELL PROPELLER
Engine: O-470-K, -L, -R, -S
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes: Engine Ratings Note: O-470-A,-J (225hp).
Approved for landplane operation only.

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 180, 180(A-H), J, K
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00852AT
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.1 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1577 **Rev.:** **Date:** 4/9/2008

Modifier: HARTZELL PROPELLER
Engine: O-470-U
Power: 230 HP @ 2400 RPM
Placard/Restr:
Notes: Approved for landplane operation only.

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 180, 180(A-H), J, K
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00852AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00890	PHC-C3YF-1RF/F8468A-6R/SM7			
PROPELLER	C3F00890KD	PHC-C3YF-1RF/F8468A-6R/SM7			
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

IDS No.: 2766 **Rev.:** 1 **Date:** 10/7/2010

Modifier: HARTZELL PROPELLER
Engine: O-470-U
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes: Approved for both landplane and floatplane operation.

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 180, 180(A-H), J, K
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA01345AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.4 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1465 **Rev.:** **Date:** 6/28/2005

Modifier: DAVIS AVIATION SERVICES
Engine: IO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr: Approved for both land and float operation
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 180, 180(A-H), J, K
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA01345AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1466 **Rev.:** **Date:** 6/28/2005
Modifier: DAVIS AVIATION SERVICES
Engine: IO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr: Approved for both land and float operation
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 180, 180(A-H), J, K
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA01442AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.9 +- 0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1464 **Rev.:** **Date:** 7/19/2005
Modifier: DAVIS AVIATION SERVICES
Engine: O-470-U (with STC SE1153AT)
Power: 252 HP @ 2625 RPM
Placard/Restr: Approved for both land and float operation
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

HARTZELL

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CESSNA

Model: 180C,D,E,F
Trade Name: SKYWAGON
Aircraft T.C./STC: 5A6
Propeller Model: (B)HC-A2MVF-1A
Propeller T.C.: P24EA
Blade Model(s): MV8433N
MV8833N
Prop Diameter: 8433; 84" to 82", 8833 NO CUT

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1640 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: O-470-L
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes: WT 8833- 64 LBS

Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	MV8833N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

CESSNA

Model: 180C,D,E,F
Trade Name: SKYWAGON
Aircraft T.C./STC: 5A6
Propeller Model: BHC-A2XF-1A
Propeller T.C.: P908
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2367 **Rev.:** **Date:** 12/2/2003

Modifier:
Engine: O-470-L
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

HARTZELL

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CESSNA

Model: 180C,D,E,F
Trade Name: SKYWAGON
Aircraft T.C./STC: 5A6
Propeller Model: HC-82XF-1DB1
Propeller T.C.: P878
Blade Model(s): 8433
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	

IDS No.: 2368 Rev.: Date: 12/2/2003

Modifier:
Engine: O-470-L
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.0 +0.5
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 180C,D,E,F
Trade Name: SKYWAGON
Aircraft T.C./STC: 5A6
Propeller Model: HC-A2VF-1A
Propeller T.C.: P24EA
Blade Model(s): V8833
 V8833N

Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8833	BLADE UNIT	2	Prop	
BLADE	V8833N	BLADE UNIT	2	Prop	

IDS No.: 2369 Rev.: Date: 12/2/2003

Modifier:
Engine: O-470-L
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.0 +0.5
Cwt Angle:

Non-HPI Governor:

HARTZELL

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CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA09000SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL

Blade Model(s): F7691
 F7691*1
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1423 **Rev.:** **Date:** 10/7/2004
Modifier: HARTZELL PROPELLER
Engine: O-470-L, -R, -S
Power: 230 HP @ 2600 RPM
Placard/Restr: Refer to 8110-3 and/or STC for further information.

Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00006	PHC-G3YF-1RF/F7691/SM25	1	A/C	
PROPELLER	G3F00006KD	PHC-G3YF-1RF/F7691/SM25	1	A/C	
PROPELLER	G3F00006SKDTP	G3F00006/SM25/D-4798-3P	1	A/C	
PROPELLER	G3F00006SKDTP*1	G3F00006/SM25/D-4798-1P	1	A/C	
PROPELLER	G3F00006STP	G3F00006/SM25/D-4798-3P	1	A/C	
PROPELLER	G3F00006STP*1	G3F00006/SM25/D-4798-1P	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F7691*1	PCP:BLADE UNIT, ALUM [3,1,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5732	IDS Item	1	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA09000SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL

Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00017	PHC-G3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1678 **Rev.:** **Date:** 8/12/1999

Modifier: HARTZELL PROPELLER
Engine: O-470-L, -R, -S
Power: 230 HP @ 2600 RPM
Placard/Restr: Refer to 8110-3 and/or STC for further information.

Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA09001SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL

Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5732	IDS Item	1	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	Used w/ C-4582P
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1084 **Rev.:** **Date:** 2/20/2003

Modifier: TEXAS SKYWAYS
Engine: O-470-L, -R, -S
Power: 230 HP @ 2600 RPM
Placard/Restr: Refer to 8110-3 and/or STC for further information.

Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

HARTZELL

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CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA09000SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL

Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00015	PHC-G3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1676 **Rev.:** **Date:** 8/12/1999

Modifier: HARTZELL PROPELLER
Engine: O-470-U
Power: 230 HP @ 2400 RPM
Placard/Restr: Refer to 8110-3 and/or STC for further information.

Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA09000SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL

Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00005	PHC-G3YF-1RF/F7691/SM25	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732	IDS Item	1	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1552 **Rev.:** **Date:** 8/12/1999

Modifier: HARTZELL PROPELLER
Engine: O-470-U
Power: 230 HP @ 2400 RPM
Placard/Restr: Refer to 8110-3 and/or STC for further information.

Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA09001SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL

Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5732	IDS Item	1	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	Used w/ C-4582P
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1572 **Rev.:** **Date:** 2/20/2003
Modifier: TEXAS SKYWAYS
Engine: O-470-U
Power: 230 HP @ 2600 RPM
Placard/Restr: Refer to 8110-3 and/or STC for further information.

Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA09001SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL

Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5732	IDS Item	1	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	Used w/ C-4582P
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1573 **Rev.:** **Date:** 2/20/2003
Modifier: TEXAS SKYWAYS
Engine: O-470-U/TS
Power: HP @ RPM
Placard/Restr: Refer to 8110-3 and/or STC for further information.

Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA09001SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL

Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5732	IDS Item	1	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	Used w/ C-4582P
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1574 **Rev.:** **Date:** 2/20/2003

Modifier: TEXAS SKYWAYS
Engine: O-470-50
Power: HP @ RPM
Placard/Restr: Refer to 8110-3 and/or STC for further information.

Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: SA09026SC
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA

Blade Model(s): F8068
Prop Diameter: 82

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00033	PHC-C3YF-1RF/F8068/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	A/C	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

IDS No.: 2485 **Rev.:** 1 **Date:** 10/7/2010

Modifier: TEXAS SKYWAYS
Engine: O-520-F/TS, O-520-U/TS
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: SA09026SC
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068
Prop Diameter: 82"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2658 **Rev.:** **Date:** 6/5/2006

Modifier: TEXAS SKYWAYS
Engine: O-520-F/TS, O-520-U/TS
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00500	HC-G3YF-1RF/F8068/SM25	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: SA09026SC
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068
Prop Diameter: 82

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2659 **Rev.:** **Date:** 12/12/2007

Modifier: TEXAS SKYWAYS
Engine: O-520-F/TS, O-520-U/TS
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00041	HC-C3YF-1RF/F8068/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	A/C	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	A/C	
GOVERNOR	S-1-27	GOVERNOR ASSEMBLY, S-1-27	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: SA00152WI
Propeller Model: PHC-L3YF-1RF
Propeller T.C.: P41EA
Blade Model(s): F7691
 F7691*1
 F7691*2
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.6 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1086 **Rev.:** **Date:** 7/16/2001
Modifier: AIR PLAINS SERVICES
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.2 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	L3F00040	PHC-L3YF-1RF/F7691/SM7	1	A/C	
PROPELLER	L3F00043	PHC-L3YF-1RF/F7691[*1]/SM7	1	A/C	
PROPELLER	L3F00045	PHC-L3YF-1RF/F7691[*2]/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F7691*1	PCP:BLADE UNIT, ALUM [3,1,5]	3	Prop	
BLADE	F7691*2	PCP:BLADE UNIT, ALUM [3,7,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182
Trade Name: Skylane
Aircraft T.C./STC: SA00152WI
Propeller Model: PHC-L3YF-1RF
Propeller T.C.: P41EA
Blade Model(s): F7691
F7691*1
F7691*2

Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 14.5 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 3092 **Rev.:** **Date:** 7/12/2011

Modifier: Air Plains
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr:

Notes: Do not exceed 20" manifold pressure below 2250 RPM.

Startlock Angle:
Feather/High Angle: 26.8 +/- 1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	L3F00042	PHC-L3YF-1RF/F7691/SM7	1	A/C	
PROPELLER	L3F00044	PHC-L3YF-1RF/F7691[*1]/SM7	1	A/C	
PROPELLER	L3F00046	PHC-L3YF-1RF/F7691[*2]/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F7691*1	PCP:BLADE UNIT, ALUM [3,1,5]	3	Prop	
BLADE	F7691*2	PCP:BLADE UNIT, ALUM [3,7,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182S, 182T, T182T
Trade Name: Skylane, Turbo Skylane
Aircraft T.C./STC: SA03078CH

Propeller Model: HC-F3YR-1ARF

Propeller T.C.: P31EA

Blade Model(s): F8068*4
 F8068K*2

Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle: 14.0 +/- 0.2

IDS No.: 2857

Rev.: 4

Date: 5/22/2012

Modifier: Hartzell Propeller Inc.

Engine: IO-540-AB1A5 @ 230 hp: (T182T: TIO-540-AK1A @ 235 hp)

Power: 235 HP @ 2400 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: 30.0 + - 1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F3R00600	HC-F3YR-1ARF/F8068[*4]/SM23	1	A/C	
PROPELLER	F3R00600KD	HC-F3YR-1ARF/F8068[*4]/SM23	1	A/C	
PROPELLER	F3R00650	HC-F3YR-1ARF/F8068K[*2]/SM23	1	A/C	
PROPELLER	F3R00650KD	HC-F3YR-1ARF/F8068K[*2]/SM23	1	A/C	
PROPELLER	F3R00651KD	HC-F3YR-1ARF/F8068K[*2]/SM35	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
BLADE	F8068K*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	A-2295-14P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-3	SPINNER ASSEMBLY, "CNC"	1	Prop	Used with no de-iced only
SPINNER	A-2295-3P	SPINNER ASSEMBLY, "CNC"	1	Prop	Used with no de-iced only
GOVERNOR	S-1-52	GOVERNOR ASSEMBLY, S-1-52	1	A/C	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
DE-ICER	102657	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	104522	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: R182, TR182, FR182
Trade Name: SKYLANE RG
Aircraft T.C./STC: SA03078CH
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 80"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 14.0 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 3138 **Rev.:** 3 **Date:** 3/11/2013
Modifier: Hartzell Propeller Inc.
Engine: O-540-J3C5D, O-540-L3C5D+turbo
Power: 235 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 30.0 +/- 1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R02004	HC-C3YR-1RF/F8068[*4]/SM6	1	A/C	
PROPELLER	C3R02004KD	HC-C3YR-1RF/F8068[*4]/SM6	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	A-2295-3P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	100803	BALANCE WEIGHT KIT	1	A/C	

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CESSNA

Model: FR182, R182, TR182, T182
Trade Name: Skylane RG, Turbo Skylane
Aircraft T.C./STC: SA03078CH
Propeller Model: HC-I3YR-1RF
Propeller T.C.: P33EA
Blade Model(s): F7693F+2*1
 F7693FB+2*2
Prop Diameter: 80" - 78"

IDS No.: 3081 **Rev.:** 5 **Date:** 3/7/2013
Modifier: Hartzell Propeller
Engine: O-540-J3C5D, O-540-L3C5D + turbo
Power: 235 HP @ 2400 RPM
Placard/Restr:
Notes: For FR182, R182 & TR182, S/N 1314 and up. For T182, All S/N's..... De-iced propeller installation is limited to aircraft with a previously installed 3-blade propeller equipped with existing electro-thermal de-ice."

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 14.0 +/- 0.2

Startlock Angle:
Feather/High Angle: 31.0 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I3R00161	HC-I3YR-1RF/F7693F+2[*1]/SM42	1	A/C	
PROPELLER	I3R00161KD	HC-I3YR-1RF/F7693F+2[*1]/SM42	1	A/C	
PROPELLER	I3R00180	HC-I3YR-1RF/F7693FB+2[*2]/SM42	1	A/C	
PROPELLER	I3R00180KD	HC-I3YR-1RF/F7693FB+2[*2]/SM42	1	A/C	
BLADE	F7693F+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
BLADE	F7693FB+2*2	PCP:BLADE UNIT, ALUM 104512	3	Prop	
SPINNER	105012	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	105012P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-6750	SPINNER ASSEMBLY	1	Prop	Use with non-de-ice prop only
SPINNER	D-6750-P	SPINNER ASSEMBLY	1	Prop	Use with non-de-ice prop only
GOVERNOR	S-1-52	GOVERNOR ASSEMBLY, S-1-52	1	A/C	
SPIN MTG KIT	A-2476-42	SPINNER - MTG KIT	1	Prop	
DE-ICER	104512	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	104996	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	100800	BALANCE WEIGHT KIT	1	A/C	

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CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA108CE
Propeller Model: BHC-82VF-3, BHC-A2VF-3
Propeller T.C.: P24EA
Blade Model(s): V8433-2
 V8433N-2
Prop Diameter: 82.3"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

IDS No.: 2145 **Rev.:** **Date:** 11/21/2003
Modifier: AEROSTOL COMPANY
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-2	BLADE	2	Prop	
BLADE	V8433N-2	BLADE	2	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA108CE
Propeller Model: BHC-82XF-3, BHC-A2XF-3
Propeller T.C.: P24EA
Blade Model(s): 8433-2
Prop Diameter: 82.3"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

IDS No.: 2144 **Rev.:** **Date:** 11/21/2003
Modifier: AEROSTOL COMPANY
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-2	BLADE	2	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA108CE
Propeller Model: BHC-A2MVF-3
Propeller T.C.: P24EA
Blade Model(s): MV8433N-2
Prop Diameter: 82.3"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

IDS No.: 371 **Rev.:** **Date:** 5/14/1998
Modifier: AEROSTOL COMPANY
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8433N-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

CESSNA

Model: 182
Trade Name: Skylane
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius: 30"
Reverse Angle:
Low Pitch Angle: 12.3+-0.2

IDS No.: 2937 **Rev.:** **Date:** 3/5/2010
Modifier: Vitatoe Aviation LLC
Engine: O-470-U-TS
Power: 250 HP @ 2625 RPM
Placard/Restr:
Notes: Eligible on Texas Skyways STC SA09530SW.

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00501	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
PROPELLER	G3F00501KD	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182
Trade Name: Skylane
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius 30"
Reverse Angle:
Low Pitch Angle: 12.3+-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 3001 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: O-470-U-TS
Power: 250 HP @ 2625 RPM
Placard/Restr:
Notes: Eligible on Texas Skyways STC SA09530SW.

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00501	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
PROPELLER	G3F00501KD	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 182
Trade Name: Skylane
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius 30"
Reverse Angle:
Low Pitch Angle: 12.3+-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2936 **Rev.:** **Date:** 3/5/2010
Modifier: Vitatoo Aviation LLC
Engine: O-470-U-TS
Power: 250 HP @ 2600 RPM
Placard/Restr:
Notes: Eligible on Texas Skyways STC SA8951SW.

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00501	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
PROPELLER	G3F00501KD	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182
Trade Name: Skylane
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius 30"
Reverse Angle:
Low Pitch Angle: 12.3+-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00501	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
PROPELLER	G3F00501KD	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 3000 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: O-470-U-TS
Power: 250 HP @ 2600 RPM
Placard/Restr:
Notes: Eligible on Texas Skyways STC SA8951SW.

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 182()
Trade Name: Skylane
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068-2*2
Prop Diameter: 80"-78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.3+-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00600	HC-G3YF-1RF/F8068-2[*2]/SM25	1	A/C	
PROPELLER	G3F00600KD	HC-G3YF-1RF/F8068-2[*2]/SM25	1	A/C	
BLADE	F8068-2*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	Eligible on STC SA01302AT
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2895 **Rev.:** **Date:** 3/5/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: Eligible on John Jewell Aircraft STC SA01302AT.

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 182()
Trade Name: Skylane
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068-2*2
Prop Diameter: 80"-78"

IDS No.: 2977 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: Eligible on John Jewell Aircraft STC SA01302AT.

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.3+-0.2

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00600	HC-G3YF-1RF/F8068-2[*2]/SM25	1	A/C	
PROPELLER	G3F00600KD	HC-G3YF-1RF/F8068-2[*2]/SM25	1	A/C	
BLADE	F8068-2*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	Eligible on STC SA01302AT
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 182()
Trade Name: Skylane
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068-2*2
Prop Diameter: 80" to 78"

IDS No.: 2932 **Rev.:** **Date:** 4/5/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: Eligible on P PONK STC SA461NW.

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00600	HC-G3YF-1RF/F8068-2[*2]/SM25	1	A/C	
PROPELLER	G3F00600KD	HC-G3YF-1RF/F8068-2[*2]/SM25	1	A/C	
BLADE	F8068-2*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182()
Trade Name: Skylane
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82" to 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00503	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
PROPELLER	G3F00503KD	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	Optional STC SA01218AT
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	Optional
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	STC SA01218AT
DE-ICER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2913 **Rev.:** **Date:** 2/19/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Eligible on John Jewell Aircraft STC SA01218AT (IO-550-D)

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 182()
Trade Name: Skylane
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068-2*2
Prop Diameter: 80" to 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.3 + - 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00600	HC-G3YF-1RF/F8068-2[*2]/SM25	1	A/C	
PROPELLER	G3F00600KD	HC-G3YF-1RF/F8068-2[*2]/SM25	1	A/C	
BLADE	F8068-2*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2998 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: Eligible on P PONK STC SA461NW.

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 182()
Trade Name: Skylane
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82" to 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00503	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
PROPELLER	G3F00503KD	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	Optional STC SA01218AT
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	Optional
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	STC SA01218AT
DE-ICER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2990 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Eligible on John Jewell Aircraft STC SA01218AT (IO-550-D)

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 182 - 182P
Trade Name: SKYLANE
Aircraft T.C./STC: SA02735CH
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.3 + - 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00801	PHC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
PROPELLER	G3F00801KD	PHC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2912 **Rev.:** **Date:** 2/11/2010
Modifier: Vitatoo Aviation LLC
Engine: O-470-L, -R, -S
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 182 - 182P
Trade Name: SKYLANE
Aircraft T.C./STC: SA02821CH
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.3 + - 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00801	PHC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
PROPELLER	G3F00801KD	PHC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2989 **Rev.:** **Date:** 6/7/2010

Modifier: Hartzell Propeller
Engine: O-470-L, -R, -S
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 180, 182
Trade Name: Skywagon, Skylane
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius 30"
Reverse Angle:
Low Pitch Angle: 12.3+-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00502	HC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
PROPELLER	G3F00502KD	HC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	Optional
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	Optional
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	Optional
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2939 **Rev.:** **Date:** 3/5/2010

Modifier: Vitatoc Aviation LLC
Engine: IO-520-F
Power: 280 HP @ 2700 RPM
Placard/Restr:
Notes: Eligible on Texas Skyways STC's SA09018SC and SA09026SC.

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 180, 182
Trade Name: Skywagon, Skylane
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius 30"
Reverse Angle:
Low Pitch Angle: 12.3+-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 3003 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: IO-520-F
Power: 280 HP @ 2700 RPM
Placard/Restr:
Notes: Eligible on Texas Skyways STC's SA09018SC and SA09026SC.

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00502	HC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
PROPELLER	G3F00502KD	HC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	Optional
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	Optional
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	Optional
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 182()
Trade Name: Skylane
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82"-80"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0+-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2823 **Rev.:** **Date:** 3/5/2010
Modifier: Vitatoo Aviation LLC
Engine: O-470-U
Power: 230 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00504	HC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
PROPELLER	G3F00504KD	HC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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Cessna

Model: 182()
Trade Name: Skylane
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82"-80"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0+--.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2970 **Rev.:** **Date:** 6/7/2010

Modifier: Hartzell Propeller
Engine: O-470-U
Power: 230 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00504	HC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
PROPELLER	G3F00504KD	HC-G3YF-1RF/F8068[*4]/SM25	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	Eligible on 182H thru 182R
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	Eligible on 182 thru 182G
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 182
Trade Name: Skylane
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius 30"
Reverse Angle:
Low Pitch Angle: 12.3+-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2938 **Rev.:** **Date:** 3/5/2010

Modifier: Vitatoc Aviation LLC
Engine: O-470-U
Power: 252 HP @ 2625 RPM
Placard/Restr:
Notes: Eligible on John Jewell Aircraft STC SA1443AT. (STC changes the engine rating)

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00501	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
PROPELLER	G3F00501KD	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182
Trade Name: Skylane
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

IDS No.: 3002 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: O-470-U
Power: 252 HP @ 2625 RPM
Placard/Restr:
Notes: Eligible on John Jewell Aircraft STC SA1443AT. (STC changes the engine rating)

Prop Setup:

Ref. Radius 30"
Reverse Angle:
Low Pitch Angle: 12.3+-0.2

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00501	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
PROPELLER	G3F00501KD	HC-G3YF-1RF/F8068[*4]/SM7	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-4798-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: R182, TR182, FR182
Trade Name: SKYLANE RG
Aircraft T.C./STC: SA03078CH
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693F+2*1
Prop Diameter: 80" - 78"

IDS No.: 3139 **Rev.:** 3 **Date:** 3/11/2013
Modifier: Hartzell Propeller Inc.
Engine: O-540-J3C5D, O-540-L3C5D+turbo
Power: 235 HP @ 2400 RPM
Placard/Restr: None
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 14.0 +/- 0.2

Startlock Angle:
Feather/High Angle: 31.0 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R01501	HC-C3YR-1RF/F7693F+2[*1]/SM6	1	A/C	
PROPELLER	C3R01501KD	HC-C3YR-1RF/F7693F+2[*1]/SM6	1	A/C	
BLADE	F7693F+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	A-2295-3P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	100803	BALANCE WEIGHT KIT	1	A/C	

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CESSNA

Model: R182, TR182, FR182, T182
Trade Name: SKYLANE RG, TURBO SKYLANE
Aircraft T.C./STC: SA03078CH
Propeller Model: HC-I3YR-1RF
Propeller T.C.: P33EA
Blade Model(s): F8068*4
 F8068B*3
Prop Diameter: 82" - 78"

IDS No.: 3137 **Rev.:** 4 **Date:** 3/7/2013
Modifier: Hartzell Propeller
Engine: O-540-J3C5D, O-540-L3C5D+turbo
Power: 235 HP @ 2400 RPM
Placard/Restr: None
Notes: De-iced propeller installation is limited to aircraft with a previously installed 3-blade propeller equipped with existing electro-thermal de-ice.

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 14.0 +/- 0.2

Startlock Angle:
Feather/High Angle: 30.0 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	I3R00203	HC-I3YR-1RF/F8068[*4]/SM42	1	A/C	
PROPELLER	I3R00203KD	HC-I3YR-1RF/F8068[*4]/SM42	1	A/C	
PROPELLER	I3R00250	HC-I3YR-1RF/F8068B[*3]/SM42	1	A/C	
PROPELLER	I3R00250KD	HC-I3YR-1RF/F8068B[*3]/SM42	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
BLADE	F8068B*3	PCP:BLADE UNIT, ALUM 104512	3	Prop	
SPINNER	105012	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	105012P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-6750	SPINNER ASSEMBLY	1	Prop	Use with non-de-ice prop only
SPINNER	D-6750-P	SPINNER ASSEMBLY	1	Prop	Use with non-de-ice prop only
SPIN MTG KIT	A-2476-42	SPINNER - MTG KIT	1	Prop	
DE-ICER	104512	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	104996	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	100800	BALANCE WEIGHT KIT	1	A/C	

CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: SA09026SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8068
Prop Diameter: 80"

IDS No.: 1791 **Rev.:** **Date:** 5/27/2004
Modifier: TEXAS SKYWAYS
Engine: O-520-F/TS, O-520-U/TS
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.7 +/-0.2

Startlock Angle: NA
Feather/High Angle: 33.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00025	PHC-G3YF-1RF/F8068/SM25	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182S, 182T, T182T
Trade Name: Skylane, Turbo Skylane
Aircraft T.C./STC: SA03078CH
Propeller Model: HC-F3YR-1ARF
Propeller T.C.: P31EA
Blade Model(s): F7693F+2*1
 F7693FK+2
Prop Diameter: 80"- 77"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 14.0 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2854 **Rev.:** 5 **Date:** 5/22/2012

Modifier: Hartzell Propeller Inc.
Engine: O-540-AB1A5, TIO-540-AK1A
Power: 235 HP @ 2400 RPM
Placard/Restr:
Notes: Remove PC and TC from Hub and Blades.
 Remove Assembly S/N from Hub.
 Vibration Survey

Startlock Angle:
Feather/High Angle: 31.0 +/-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F3R00500	HC-F3YR-1ARF/F7693F+2[*1]/SM23	1	A/C	
PROPELLER	F3R00500KD	HC-F3YR-1ARF/F7693F+2[*1]/SM23	1	A/C	
PROPELLER	F3R00550	HC-F3YR-1ARF/F7693FK+2[*1]/SM23	1	A/C	
PROPELLER	F3R00550KD	HC-F3YR-1ARF/F7693FK+2[*1]/SM23	1	A/C	
BLADE	F7693F+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
BLADE	F7693FK+2	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	A-2295-14P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-3	SPINNER ASSEMBLY, "CNC"	1	Prop	Used with no de-ice only.
SPINNER	A-2295-3P	SPINNER ASSEMBLY, "CNC"	1	Prop	Used with no de-ice only.
GOVERNOR	S-1-52	GOVERNOR ASSEMBLY, S-1-52	1	A/C	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
DE-ICER	102657	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	104522	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182
Trade Name: SKYLANE
Aircraft T.C./STC: Experimental
Propeller Model: HC-E3YR-1C
Propeller T.C.: P33EA
Blade Model(s): 7690J
Prop Diameter: 78

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 14.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2598 **Rev.:** 5 **Date:** 5/31/2013
Modifier: SMA
Engine: SR305
Power: 230 HP @ 2200 RPM
Placard/Restr:
Notes: Refer to Manual 145 for Airworthiness Limitations.

Startlock Angle:
Feather/High Angle: 37.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E3R00090	HC-E3YR-1C/7690J/SM6	1	A/C	Prop assembly less spinner
BLADE	7690J	PCP:BLADE ASSY, COMPOSITE	3	Prop	Composite blade, included with prop
SPINNER	D-6936	SPINNER ASSEMBLY	1	A/C	Buffed spinner, surface suitable for paint, sold separately
SPINNER	D-6936-P	SPINNER ASSEMBLY	1	A/C	Polished spinner, sold separately
GOVERNOR	S-1-67FX	GOVERNOR ASSEMBLY, S-1-()FX	1	A/C	Sold separately
GOVERNOR	V-5-10L	GOVERNOR ASSEMBLY, V-5-()	1	A/C	Sold separately
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	Included with prop
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	Included with prop
MISC ACCES	B-7224	KIT, ACCUMULATOR	1	A/C	

CESSNA

Model: 182S, 182T, T182T
Trade Name:
Aircraft T.C./STC: SA11143SO
Propeller Model: HC-H3YF-1RF
Propeller T.C.: P35EA
Blade Model(s): F8068
Prop Diameter: 82" to 80"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 14.0 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2806 **Rev.:** 3 **Date:** 10/22/2013
Modifier: TEXAS SKYWAYS
Engine: IO-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	H3F00470	HC-H3YF-1RF/F8068/SM44	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3570	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-3570-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182, 182A,B,C,D,E
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA129EA
Propeller Model: BHC-82VF-1A, BHC-A2VF-1A
Propeller T.C.: P24EA
Blade Model(s): V8433-2
V8433N-2
Prop Diameter: 82.3" TO 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2147 **Rev.:** **Date:** 11/21/2003
Modifier: HARTZELL PROPELLER
Engine: O-470-L
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-2	BLADE	2	Prop	
BLADE	V8433N-2	BLADE	2	Prop	
SPINNER	835-25	IDS Item	1	Prop	

CESSNA

Model: 182, 182A,B,C,D,E
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA129EA
Propeller Model: BHC-82XF-1A, BHC-A2XF-1A
Propeller T.C.: P24EA
Blade Model(s): 8433-2
Prop Diameter: 82.3" TO 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2146 **Rev.:** **Date:** 11/21/2003
Modifier: HARTZELL PROPELLER
Engine: O-470-L
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-2	BLADE	2	Prop	
SPINNER	835-25	IDS Item	1	Prop	

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CESSNA

Model: 182, 182A,B,C,D,E
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA129EA
Propeller Model: BHC-A2MVF-1A
Propeller T.C.: P24EA
Blade Model(s): MV8433N-2
Prop Diameter: 82.3" TO 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

IDS No.: 372 **Rev.:** **Date:** 5/14/1998
Modifier: HARTZELL PROPELLER
Engine: O-470-L
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8433N-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-25	IDS Item	1	Prop	

CESSNA

Model: 182,A,B,C,D,E,F,G
Trade Name: SKYLANE
Aircraft T.C./STC: 3A13
Propeller Model: BHC-82VF-1, BHC-A2VF-1, BHC-82VF-1A, BHC-A2VF-1A
Propeller T.C.: P24EA
Blade Model(s): V8433-2
V8433N-2
Prop Diameter: 82.2" TO 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 2143 **Rev.:** **Date:** 11/21/2003
Modifier:
Engine: O-470-L, -R
Power: 230 HP @ 2600 RPM
Placard/Restr:

Notes:
Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: CESSNA

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433-2	BLADE	2	Prop	
BLADE	V8433N-2	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3817	NUT,1/4-28,HEX,SELF-LOCKING	4	Prop	Secondary
SPIN MTG KIT	B-3384-17H	BOLT, 1/4-28, HEX HEAD	4	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	4	Prop	Primary
SPIN MTG KIT	B-3851-0463	WASHER	4	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CESSNA

Model: 182,A,B,C,D,E,F,G
Trade Name: SKYLANE
Aircraft T.C./STC: 3A13
Propeller Model: BHC-A2MVf-1A
Propeller T.C.: P24EA
Blade Model(s): MV8433N-2
Prop Diameter: 82.2" TO 80"

IDS No.: 370 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: O-470-L, -R
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: CESSNA

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A2F10018	BHC-A2MVf-1A/MV8433N-2	1	A/C	
BLADE	MV8433N-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3817	NUT,1/4-28,HEX,SELF-LOCKING	4	Prop	Secondary
SPIN MTG KIT	B-3384-17H	BOLT, 1/4-28, HEX HEAD	4	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	4	Prop	Primary
SPIN MTG KIT	B-3851-0463	WASHER	4	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING, 1/2-20,12 POINT	6	Prop	

CESSNA

Model: 182,A,B,C,D,E,F,G
Trade Name: SKYLANE
Aircraft T.C./STC: 3A13
Propeller Model: BHC-C2YF-1B
Propeller T.C.:
Blade Model(s): F8468-2
Prop Diameter: 82.0" TO 80.0"

IDS No.: 369 **Rev.:** **Date:** 6/6/2006
Modifier:
Engine: O-470-L,-R
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: CESSNA

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182-182G
Trade Name: SKYLANE
Aircraft T.C./STC: SA3825SW
Propeller Model: BHC-G2YF-1BF
Propeller T.C.: P39EA
Blade Model(s): F8468A-2R
Prop Diameter: 82" TO 80"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2032 **Rev.:** **Date:** 5/25/2010
Modifier: PETERSON CONVERSION
Engine: IO-470-F
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G2F00013	BHC-G2YF-1BF/F8468A-2R/SM4	1	A/C	
BLADE	F8468A-2R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	D-4798-2P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 182 THRU 182G
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA09000SC
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL

Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1719 **Rev.:** **Date:** 1/3/2000
Modifier: HARTZELL PROPELLER
Engine: O-470-L, -R, -S
Power: 230 HP @ 2600 RPM
Placard/Restr: Refer to 8110-3 and/or STC for further information.

Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00022	PHC-G3YF-1RF/F7691/SM25	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-4798-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182, 182A THRU G
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA09000SC
Propeller Model: BHC-G2YF-1BF
Propeller T.C.: P39EA

Blade Model(s): F8468A-2R
Prop Diameter: 82" TO 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G2F00012	BHC-G2YF-1BF/F8468A-2R/SM4	1	A/C	
BLADE	F8468A-2R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	D-4798-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 182, 182(A-H), (J-N), (P-R)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA00854AT
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1721 **Rev.:** **Date:** 6/1/2001

Modifier: HARTZELL PROPELLER

Engine: O-470-L, -R, -S

Power: 230 HP @ 2600 RPM

Placard/Restr: Refer to 8110-3 and/or STC for further information.

Notes:

Startlock Angle: NA

Feather/High Angle: 24.0 +-1.0

Cwt Angle:

Non-HPI Governor:

IDS No.: 1467 **Rev.:** **Date:** 12/7/1999

Modifier: JOHN JEWELL AVIATION

Engine: O-470-L, -R, -S

Power: 230 HP @ 2600 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 31.0 +-1.0

Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 182, 182(A-H), (J-N), (P-R)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA00854AT
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.9 +- 0.1

IDS No.: 1418 **Rev.:** **Date:** 9/22/1999
Modifier: JOHN JEWELL AVIATION
Engine: O-470-L, -R, -S, -U
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes: Engine Ratings Note: O-470-U (2400rpm)

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00003	PHC-G3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 182, 182(A-H), (J-N), (P-R)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA00854AT
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.1 +-0.1

IDS No.: 1578 **Rev.:** **Date:** 12/7/1999
Modifier: JOHN JEWELL AVIATION
Engine: O-470-U
Power: 230 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182, 182(A-H), (J-N), (P-R)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA01443AT
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.9 +-0.1

IDS No.: 1477 **Rev.:** **Date:** 2/17/2000
Modifier: JOHN JEWELL AIRCRAFT, INC.
Engine: O-470-U (with STC SE1153AT)
Power: 252 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 182, 182(A-H), (J-N), (P-R)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA01443AT
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.9 +-0.1

IDS No.: 1476 **Rev.:** 2 **Date:** 11/11/2010
Modifier: JOHN JEWELL AIRCRAFT, INC.
Engine: O-470-U (with STC SE1153AT)
Power: 252 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G3F00023	PHC-G3YF-1RF/F7691/SM7	1	A/C	
PROPELLER	G3F00023KD	PHC-G3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182, 182(A-H), (J-N), (P-R)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA01302AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.4 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1472 **Rev.:** **Date:** 2/17/2000
Modifier: JOHN JEWELL AIRCRAFT, INC.
Engine: IO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 182, 182(A-H), (J-N), (P-R)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA01302AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1473 **Rev.:** **Date:** 2/17/2000
Modifier: JOHN JEWELL AIRCRAFT, INC.
Engine: IO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 182, 182(A-H), (J-N), (P-R)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA01302AT
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1474 **Rev.:** **Date:** 2/17/2000
Modifier: JOHN JEWELL AIRCRAFT, INC.
Engine: IO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 182, 182(A-H), (J-N), (P-R)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA01302AT
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.4 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1475 **Rev.:** **Date:** 2/17/2000
Modifier: JOHN JEWELL AIRCRAFT, INC.
Engine: IO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 182, 182(A-H), (J-N), (P-R)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA01218AT
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

IDS No.: 1471 **Rev.:** **Date:** 11/18/1997
Modifier: JOHN JEWELL AIRCRAFT, INC.
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 182, 182(A-H), (J-N), (P-R)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA01218AT
Propeller Model: PHC-G3YF-1RF
Propeller T.C.: P55GL
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.7 +-0.1

IDS No.: 1088 **Rev.:** **Date:** 8/18/2006
Modifier: JOHN JEWELL AIRCRAFT, INC.
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00012	PHC-G3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182, 182(A-H), (J-N), (P-R)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA01218AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.7 +-0.1

IDS No.: 1469 **Rev.:** **Date:** 2/17/2000
Modifier: JOHN JEWELL AIRCRAFT, INC.
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 182, 182(A-H), (J-N), (P-R)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA01218AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

IDS No.: 1470 **Rev.:** 1 **Date:** 10/7/2010
Modifier: JOHN JEWELL AIRCRAFT, INC.
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00027	PHC-C3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: 182E, F, G, H, J, K, L, M
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA692SW
Propeller Model: BHC-82XF-3, BHC-A2XF-3
Propeller T.C.: P24EA
Blade Model(s): 8433-2
Prop Diameter: 82.3"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

IDS No.: 2148 **Rev.:** **Date:** 11/21/2003
Modifier: AEROSTOL CO.
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433-2	BLADE	2	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

CESSNA

Model: 182E, F, G, H, J, K, L, M
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA692SW
Propeller Model: BHC-82VF-3, BHC-A2VF-3
Propeller T.C.: P24EA
Blade Model(s): V8433-2
V8433N-2
Prop Diameter: 82.3"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

IDS No.: 2149 **Rev.:** **Date:** 11/21/2003
Modifier: AEROSTOL CO.
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433-2	BLADE	2	Prop	
BLADE	V8433N-2	BLADE	2	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CESSNA

Model: 182E, F, G, H, J, K, L, M
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA692SW
Propeller Model: BHC-A2MVF-3
Propeller T.C.: P24EA
Blade Model(s): MV8433N-2
Prop Diameter: 82.3"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

IDS No.: 373 **Rev.:** **Date:** 5/14/1998
Modifier: AEROSTOL CO.
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8433N-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

CESSNA

Model: 182 H THRU 182P
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA09000SC
Propeller Model: BHC-G2YF-1BF
Propeller T.C.: P39EA
Blade Model(s): F8468A-2R
Prop Diameter: 82" TO 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 1720 **Rev.:** **Date:** 10/1/2004
Modifier: HARTZELL PROPELLER
Engine: O-470-L, -R, -S
Power: 230 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	G2F00011	BHC-G2YF-1BF/F8468A-2R/SM4	1	A/C	
PROPELLER	G2F00011STP	G2F00011/SM4/D-4798-2P	1	A/C	
PROPELLER	G2F00011STP*1	G2F00011/SM4/D-4798P	1	A/C	
BLADE	F8468A-2R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	D-4798	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798-2P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 182H THRU 182P
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA09000SC
Propeller Model: **PHC-G3YF-1RF**
Propeller T.C.: P55GL

Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00021	PHC-G3YF-1RF/F7691/SM25	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-4798-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1718 **Rev.:** **Date:** 1/3/2000

Modifier: HARTZELL PROPELLER
Engine: O-470-L, -R, -S
Power: 230 HP @ 2600 RPM
Placard/Restr: Refer to 8110-3 and/or STC for further information.

Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 182 H-R
Trade Name: SKYLANE
Aircraft T.C./STC: SA00152WI
Propeller Model: **PHC-G3YF-1RF**
Propeller T.C.: P55GL
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00010	PHC-G3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1954 **Rev.:** **Date:** 8/14/2003

Modifier: AIR PLAINS SERVICES
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 182S
Trade Name: SKYLANE
Aircraft T.C./STC: 3A13
Propeller Model: HC-F3YR-1RF
Propeller T.C.:
Blade Model(s): F8068-2X
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1623 **Rev.:** **Date:** 2/20/2003

Modifier:
Engine: IO-540-AB1A5
Power: 235 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8068-2X	IDS Item	3	Prop	
SPINNER	A-2295-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 182S
Trade Name: SKYLANE
Aircraft T.C./STC: STC
Propeller Model: HC-F3YR-1RF
Propeller T.C.: P31EA
Blade Model(s): F8468A-2R
Prop Diameter: 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.4 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1551 **Rev.:** **Date:** 1/20/1999

Modifier: WIPAIRE, INC
Engine: IO-540-AB1A5
Power: 235 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F3R00006	HC-F3YR-1RF/F8468A-2R/SM23	1	A/C	
BLADE	F8468A-2R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: WREN 460 (C-182)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA403SW
Propeller Model: BHC-82XF-3, BHC-A2XF-3
Propeller T.C.: P24EA
Blade Model(s): 8433-2
Prop Diameter: 82.3"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle:

IDS No.: 2150 **Rev.:** **Date:** 11/21/2003
Modifier: AEROSTOL CO.
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-2	BLADE	2	Prop	
SPINNER	837-11	SPINNER ASSEMBLY	1	Prop	
SPINNER	837-18	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

CESSNA

Model: WREN 460 (C-182)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA403SW
Propeller Model: BHC-82VF-3, BHC-A2VF-3
Propeller T.C.: P24EA
Blade Model(s): V8433-2
V8433N-2

Prop Diameter: 82.3"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle:

IDS No.: 2151 **Rev.:** **Date:** 11/21/2003
Modifier: AEROSTOL CO.
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-2	BLADE	2	Prop	
BLADE	V8433N-2	BLADE	2	Prop	
SPINNER	837-11	SPINNER ASSEMBLY	1	Prop	
SPINNER	837-18	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CESSNA

Model: WREN 460 (C-182)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA403SW
Propeller Model: BHC-A2MVF-3
Propeller T.C.: P24EA
Blade Model(s): MV8433N-2
Prop Diameter: 82.3"

IDS No.: 378 **Rev.:** **Date:** 5/14/1998
Modifier: AEROSTOL CO.
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	837-11	SPINNER ASSEMBLY	1	Prop	
SPINNER	837-18	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

CESSNA

Model: WREN 460H,J,K,L,M (C-182)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA485SW
Propeller Model: BHC-82XF-3, BHC-A2XF-3
Propeller T.C.: P24EA
Blade Model(s): 8433-2
Prop Diameter: 82.3"

IDS No.: 2152 **Rev.:** **Date:** 11/21/2003
Modifier: AEROSTOL CO.
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-2	BLADE	2	Prop	
SPINNER	837-11	SPINNER ASSEMBLY	1	Prop	
SPINNER	837-18	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CESSNA

Model: WREN 460H,J,K,L,M (C-182)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA485SW
Propeller Model: BHC-82VF-3, BHC-A2VF-3
Propeller T.C.: P24EA
Blade Model(s): V8433-2
V8433N-2

IDS No.: 2153 **Rev.:**
Modifier: AEROSTOL CO.
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Date: 11/21/2003

Prop Diameter: 82.3"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-2	BLADE	2	Prop	
BLADE	V8433N-2	BLADE	2	Prop	
SPINNER	837-11	SPINNER ASSEMBLY	1	Prop	
SPINNER	837-18	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

CESSNA

Model: WREN 460H,J,K,L,M (C-182)
Trade Name: SKYLANE
Aircraft T.C./STC: STC-SA485SW
Propeller Model: BHC-A2MV-3
Propeller T.C.: P24EA
Blade Model(s): MV8433N-2
Prop Diameter: 82.3"

IDS No.: 379 **Rev.:**
Modifier: AEROSTOL CO.
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Date: 5/14/1998

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	837-11	SPINNER ASSEMBLY	1	Prop	
SPINNER	837-18	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CESSNA

Model: 185(), U206() 207(A) See Notes
Trade Name: ()Skywagon, Stationair()
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693DF+2*1
Prop Diameter: 80"-78"

IDS No.: 2909 **Rev.:** 1 **Date:** 9/7/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-520-F, IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: Models: 185(), U206B thru U206G s/n U20604074, 207, 207A. Trade name: Skywagon, Super Skywagon, Stationair, Stationair 7, Stationair 8. C-3575-P: Eligible on Kenmore Air Harbor STC SA525NW. For the Cessna 185, this installation is limited to aircraft that have been converted by Kenmore Air Harbor STC No. SA525NW. A-2476-6 Spinner Mounting Kit and C-3575(-P) Spinner Assembly may only be used together

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.0 + - 0.1

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F06102	HC-C3YF-1RF/F7693DF+2*[1]/SM6	1	A/C	
PROPELLER	C3F06102KD	HC-C3YF-1RF/F7693DF+2*[1]/SM6	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-2	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	SEE NOTES
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	SEE NOTES
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 185(), U206() 207(A) See Notes
Trade Name: ()Skywagon, Stationair()
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693DF+2*1
Prop Diameter: 80"-78"

IDS No.: 2986 **Rev.:** 1 **Date:** 9/7/2010
Modifier: Hartzell Propeller
Engine: IO-520-F, IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: Models: 185(), U206B thru U206G s/n U20604074, 207, 207A. Trade name: Skywagon, Super Skywagon, Stationair, Stationair 7, Stationair 8. C-3575-P: Eligible on Kenmore Air Harbor STC SA525NW. For the Cessna 185, this installation is limited to aircraft that have been converted by Kenmore Air Harbor STC No. SA525NW. A-2476-6 Spinner Mounting Kit and C-3575(-P) Spinner Assembly may only be used together

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.0 + - 0.1

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F06102	HC-C3YF-1RF/F7693DF+2*[1]/SM6	1	A/C	
PROPELLER	C3F06102KD	HC-C3YF-1RF/F7693DF+2*[1]/SM6	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-2	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	SEE NOTES
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	SEE NOTES
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 180(), 185(), 210-210C, 210-5(A)
Trade Name: Skywagon, Centurion
Aircraft T.C./STC: SA02735CH

Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

IDS No.: 2905 **Rev.:** 2 **Date:** 1/18/2011
Modifier: Vitatoe Aviation LLC
Engine: O-470-U/TS, IO-470-E,-F,-S.. HP- 260 (230 O-470). RPM- 2625 (2400 (O-470))
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes: Eligible on Texas Skyways STC SA09530SC (Cessna 180()), standard IO-470 powered 185(), and standard IO-470 powered 210 and 210-5 aircraft.

A-2476-6 Spinner Mounting Kit and C-3575(-P) Spinner Assembly may only be used together

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F01904	PHC-C3YF-1RF/F8068[*4]/SM6	1	A/C	
PROPELLER	C3F01904KD	PHC-C3YF-1RF/F8068[*4]/SM6	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	Eligible on 185() See notes
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	Eligible on 185() See notes
SPIN MTG KIT	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-12 & E-7154-42R Hubs Only

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CESSNA

Model: 180(), 185(), 210-210C, 210-5(A)
Trade Name: Skywagon, Centurion
Aircraft T.C./STC: SA02821CH

Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

IDS No.: 2982 **Rev.:** 2 **Date:** 7/25/2012
Modifier: Hartzell Propeller
Engine: O-470-U/TS, IO-470-E,-F,-S.. HP- 260 (230 O-470). RPM- 2625 (2400 (O-470))
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes: Eligible on Texas Skyways STC SA09530SC (Cessna 180()), standard IO-470 powered 185(), and standard IO-470 powered 210 and 210-5 aircraft.

A-2476-6 Spinner Mounting Kit and C-3575(-P) Spinner Assembly may only be used together

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F01904	PHC-C3YF-1RF/F8068[*4]/SM6	1	A/C	
PROPELLER	C3F01904KD	PHC-C3YF-1RF/F8068[*4]/SM6	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	Eligible on 185() See notes
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	Eligible on 185() See notes
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-12 & E-7154-42R Hubs Only

CESSNA

Model: 185
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00501AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 77.0"

IDS No.: 1580 **Rev.:** **Date:** 10/8/1998
Modifier: DAVIS AVIATION SERVICES
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.4 +-0.2

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 185
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA1443NM
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F9587C-15R
F9587C-17S

Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 9.4 +-0.1

IDS No.: 382 **Rev.:** **Date:** 8/1/2006
Modifier: HARTZELL PROPELLER
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F9587C-15R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F9587C-17S	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 185
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA2118NM
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7854
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

IDS No.: 381 **Rev.:** **Date:** 10/2/1992
Modifier: TURBO TECH
Engine: TIO-540-V2AD
Power: 350 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7854	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: ()185()
Trade Name: Skywagon
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693DF+2*1
Prop Diameter: 80-78

IDS No.: 2906 **Rev.:** 1 **Date:** 9/7/2010

Modifier: Vitatoo Aviation LLC
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr:

Notes: This Installation Data Sheet is limited to aircraft that have been converted by Wipaire STC SA1522GL or Davis Aviation STC SA2933SO A-2476-6 Spinner Mounting Kit and C-3575(-P) Spinner Assembly may only be used together

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.8 + - 0.1

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F06101	HC-C3YF-1RF/F7693DF+2*[1]/SM6	1	A/C	
PROPELLER	C3F06101KD	HC-C3YF-1RF/F7693DF+2*[1]/SM6	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	C-3535	SPINNER ASSEMBLY	1	Prop	Use on STC SA2933SO
SPINNER	C-3535P	SPINNER ASSEMBLY	1	Prop	Use on STC SA2933SO
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	Use on STC SA1522GL / SA2933SO See notes
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	Use on STC SA1522GL / SA2933SO Use on STC SA1522GL / SA2933SO See notes
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 185, A185
Trade Name: Skywagon
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

IDS No.: 2858 **Rev.:** 1 **Date:** 9/7/2010
Modifier: Vitatoo Aviation LLC
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Eligible on Wipaire STC SA1522GL, or Davis Aviation STC SA2933SO (185/A185).
 C-3575-P...Eligible on Wipaire STC SA1522GL, or Davis Aviation STC SA2933SO (185/A185). C-3535-P...Eligible on Davis Aviation STC SA2933SO (185/A185). A-2476-6 Spinner Mounting Kit and C-3575(-P) Spinner Assembly may only be used together

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.0+--.2

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F07101	HC-C3YF-1RF/F8068*[4]/SM6	1	A/C	
PROPELLER	C3F07101KD	HC-C3YF-1RF/F8068*[4]/SM6	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-3535	SPINNER ASSEMBLY	1	Prop	See Notes
SPINNER	C-3535P	SPINNER ASSEMBLY	1	Prop	See Notes
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	See Notes
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	See Notes
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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Cessna

Model: 185, A185
Trade Name: Skywagon
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

IDS No.: 2972 **Rev.:** 1 **Date:** 9/7/2010
Modifier: Hartzell Propeller
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Eligible on Wipaire STC SA1522GL, or Davis Aviation STC SA2933SO (185/A185).
C-3575-P...Eligible on Wipaire STC SA1522GL, or Davis Aviation STC SA2933SO (185/A185).
C-3535-P...Eligible on Davis Aviation STC SA2933SO (185/A185). A-2476-6 Spinner Mounting Kit and C-3575(-P) Spinner Assembly may only be used together

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.0+- .2

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F07101	HC-C3YF-1RF/F8068*[4]/SM6	1	A/C	
PROPELLER	C3F07101KD	HC-C3YF-1RF/F8068*[4]/SM6	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-3535	SPINNER ASSEMBLY	1	Prop	See Notes
SPINNER	C-3535P	SPINNER ASSEMBLY	1	Prop	See Notes
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	See Notes
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	See Notes
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 185, 185(), A185()
Trade Name: SKYWAGON
Aircraft T.C./STC: TBD
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068
Prop Diameter: 82" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1775 **Rev.:** 1 **Date:** 10/7/2010

Modifier: TEXAS SKYWAYS
Engine: IO-550-D, -F, -L
Power: 300 HP @ 2700 RPM
Placard/Restr: Landplane or Floatplane: None
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00002	PHC-C3YF-1RF/F8068/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	S-1-27	GOVERNOR ASSEMBLY, S-1-27	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

CESSNA

Model: 185, 185(), A185()
Trade Name: SKYWAGON
Aircraft T.C./STC: TBD
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA

Blade Model(s): F8468A
Prop Diameter: 86" TO 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.7 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1776 **Rev.:** 1 **Date:** 10/7/2010

Modifier: TEXAS SKYWAYS
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr: Landplane and Floatplane: Continuous operation is prohibited above 26 inches manifold pressure between 2250 and 2450 RPM
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00003	PHC-C3YF-1RF/F8468A/SM7	1	A/C	
BLADE	F8468A	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: A185E, A185F
Trade Name: SKYWAGON
Aircraft T.C./STC: SA02528CH-D
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA

IDS No.: 2732 **Rev.:** 1 **Date:** 10/7/2010
Modifier: HARTZELL PROPELLER
Engine: IO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr: Max RPM stop on propeller governor must be set at 2700 RPM. For propellers with 86"-85" diameters - Continuous operation is prohibited above 26" manifold pressure between 2250-2450 RPM.

Blade Model(s): F8468A-2R*1
 F8468AR*1

Prop Diameter: 86" - 82"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 10.3 +-0.2

Notes:

Startlock Angle:
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00840	PHC-C3YF-1RF/F8468AR[*1]/SM30			
PROPELLER	C3F00840KD	PHC-C3YF-1RF/F8468AR[*1]/SM30			
PROPELLER	C3F00870	PHC-C3YF-1RF/F8468A-2R[*1]/SM30			
PROPELLER	C3F00870KD	PHC-C3YF-1RF/F8468A-2R[*1]/SM30			
BLADE	F8468A-2R*1	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
BLADE	F8468AR*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: 185, 185(A-E), A185(E,F)(AG)
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00501AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA

Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00026	PHC-C3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	USE WITH E-7154-2R HUB ONLY
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

IDS No.: 1093 **Rev.:** 1 **Date:** 10/7/2010
Modifier: DAVIS AVIATION SERVICES
Engine: IO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr: Do not exceed 20 in. manifold pressure below 2200 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 185, 185(A-E), A185(E,F)(AG)
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00501AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA

Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.4 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00122	PHC-C3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

IDS No.: 1091 **Rev.:** 1 **Date:** 10/7/2010
Modifier: DAVIS AVIATION SERVICES
Engine: IO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 185, 185(A-E), A185(E,F)(AG)
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA2933SO
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

IDS No.: 1478 **Rev.:** **Date:** 11/18/1997
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00027	PHC-C3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 185, 185(A-E), A185(E,F)(AG)
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA2933SO
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.7 +-0.1

IDS No.: 1090 **Rev.:** 1 **Date:** 10/7/2010
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00123	PHC-C3YF-1RF/F8468A-6R/SM7	1	A/C	
PROPELLER	C3F00123KD	PHC-C3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: 185, 185(A-E), A185(E,F),(AG)

Trade Name: SKYWAGON

Aircraft T.C./STC: STC-SA2933SO

Propeller Model: HC-C3YF-1RF

Propeller T.C.: P25EA

Blade Model(s): F9587C-15S

Prop Diameter: 82.0" TO 80.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 10.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F9587C-15S	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 380

Rev.:

Date: 11/18/1997

Modifier: DAVIS AVIATION SERVICES

Engine: IO-550-D

Power: 300 HP @ 2700 RPM

Placard/Restr: Continuous operation is prohibited between 2000 and 2300 RPM.

Notes:

Startlock Angle: NA

Feather/High Angle: 30.5 +-1.0

Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 185E, A185E, A185F

Trade Name: SKYWAGON

Aircraft T.C./STC: STC-SA587W

Propeller Model: HC-C3YF-1RF

Propeller T.C.:

Blade Model(s): F9587C-15S

Prop Diameter: 82"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 9.4 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F9587C-15S	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	

IDS No.: 383

Rev.:

Date: 10/2/1992

Modifier: ALASKA PROPELLER

Engine: IO-520-D

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 25.5 +-1.0

Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: A185E, A185F
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA1443NM
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
 F8468A-6R*1
 F8468A-8R
 F8468A-8R*1

Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

IDS No.: 1095 **Rev.:** 1 **Date:** 10/7/2010
Modifier: HARTZELL PROPELLER
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: HC-C3YF-1RF/F8468A-8R also approved.

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00119	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00119KD	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00119SKDTP	C3F00119/SM30/C-3575-P	1	A/C	
PROPELLER	C3F00119STP	C3F00119/SM30/C-3575-P	1	A/C	
PROPELLER	C3F00131	PHC-C3YF-1RF/F8468A-8R/SM30	1	A/C	
PROPELLER	C3F00131KD	PHC-C3YF-1RF/F8468A-8R/SM30	1	A/C	
PROPELLER	C3F00131SKDTP*1	C3F00131/SM30/C-3575-P	1	A/C	
PROPELLER	C3F00131STP*1	C3F00131/SM30/C-3575-P	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-6R*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-8R*1	IDS ITEM, BLADE, [3,1,1]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: A185E, A185F
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA1443NM
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F9587C-15R
 F9587C-17S
Prop Diameter: 82.0" TO 80.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 9.4 +-0.1

IDS No.: 1263 **Rev.:** **Date:** 4/17/1996
Modifier: HARTZELL PROPELLER
Engine: IO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F9587C-15R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F9587C-17S	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: A185E, A185F (SEAPLANES ONLY)
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA930SW
Propeller Model: HC-92WF-3
Propeller T.C.: P16EA
Blade Model(s): W8447
 W8447N
Prop Diameter: 84" TO 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: UNKNOWN

IDS No.: 384 **Rev.:** 1 **Date:** 1/7/2011
Modifier: AEROSTOL COMPANY
Engine: IO-520-D
Power: HP @ 2800 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: UNKNOWN
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	W8447	BLADE UNIT, ALUMINUM	2	Prop	REPLACED BY W8447N
BLADE	W8447N	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	837-11	SPINNER ASSEMBLY	1	Prop	
SPINNER	837-18	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-619-5	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT, HEX, SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT, MOUNTING, 1/2-20, 12 POINT	6	Prop	PRIMARY

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CESSNA

Model: A188, A188A, A188B
Trade Name: AG WAGON
Aircraft T.C./STC: STC-SA00470AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
 F8468A-6R*1
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.4 +-0.2

IDS No.: 1097 **Rev.:** 1 **Date:** 10/7/2010
Modifier: HARTZELL PROPELLER
Engine: IO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00129	PHC-C3YF-1RF/F8468A-6R/SM6	1	A/C	
PROPELLER	C3F00129KD	PHC-C3YF-1RF/F8468A-6R/SM6	1	A/C	
PROPELLER	C3F00129SKDTP	C3F00129/SM6/C-3535-1P	1	A/C	
PROPELLER	C3F00129STP	C3F00129/SM6/C-3535-1P	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-6R*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

CESSNA

Model: A188, A188A, A188B
Trade Name: AG WAGON
Aircraft T.C./STC: STC-SA00470AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

IDS No.: 1100 **Rev.:** **Date:** 12/18/1997
Modifier: HARTZELL PROPELLER
Engine: IO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: A188, A188A, A188B
Trade Name: AG WAGON
Aircraft T.C./STC: STC-SA895SO
Propeller Model: HC-C3YF-1RF
Propeller T.C.:
Blade Model(s): F9587C-17S
Prop Diameter: 82" TO 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 9.4 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F9587C-17S	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	

IDS No.: 390 **Rev.:** **Date:** 10/2/1992
Modifier: HARTZELL PROPELLER
Engine: IO-520-D
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.5 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: A188, A188A, A188B
Trade Name: AG WAGON
Aircraft T.C./STC: STC-SA3243SO
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA

Blade Model(s): F9587C-15S
Prop Diameter: 82.0" TO 80.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00055	HC-C3YF-1RF/F9587C-15S/SM7	1	A/C	
BLADE	F9587C-15S	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 385 **Rev.:** **Date:** 11/12/2009
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr: Continuous operation is prohibited between 2000 and 2300 RPM.

Notes:
Startlock Angle: NA
Feather/High Angle: 30.5 +-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: A188, A188A, A188B
Trade Name: AG WAGON
Aircraft T.C./STC: STC-SA3243SO
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

IDS No.: 1479 **Rev.:** **Date:** 12/18/1997
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00027	PHC-C3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: A188, A188A, A188B
Trade Name: AG WAGON
Aircraft T.C./STC: STC-SA3243SO
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.7 +-0.1

IDS No.: 1096 **Rev.:** 1 **Date:** 10/7/2010
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00134	PHC-C3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	USE WITH E-7154-2R HUB ONLY
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: A188A, A188B, T188C
Trade Name: AG WAGON
Aircraft T.C./STC: STC-SA8343SW
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8475R
F8475T+2
Prop Diameter: 84" TO 83"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 391 **Rev.:** **Date:** 1/2/2003
Modifier: CHARLES YATES
Engine: IO-540-K1A5, -K1B5, -K1G5, -S1A5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00051	HC-C2YR-1BF/F8475R/SM14	1	A/C	
PROPELLER	C2R00054	HC-C2YR-1BF/F8475T+2/SM14	1	A/C	
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F8475T+2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-44	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-44P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-14	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: A188B/A2
Trade Name: AG WAGON
Aircraft T.C./STC: STC-61-6(AUST.)
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8475R
Prop Diameter: 86"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 387 **Rev.:** **Date:** 10/2/1992
Modifier: PAY'S AIR SERVICE
Engine: IO-720-A1B
Power: 400 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-1D	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: A188B/A2
Trade Name: AG WAGON
Aircraft T.C./STC: STC-61-6(AUST.)
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8483
Prop Diameter: 86"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 388 **Rev.:** 1 **Date:** 11/7/2013
Modifier: PAY'S AIR SERVICE
Engine: IO-720-A1B
Power: 400 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00100	HC-C3YR-1RF/F8483/SM7	1	A/C	
PROPELLER	C3R00100KD	HC-C3YR-1RF/F8483/SM7	1	A/C	
BLADE	F8483	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-1D	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: A188B, T188C
Trade Name: AG WAGON
Aircraft T.C./STC: STC-SA3609SW
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8475R
Prop Diameter: 86"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 1581 **Rev.:** 1 **Date:** 2/11/2013
Modifier: CHARLES YATES
Engine: IO-720-A1B
Power: 400 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00089	HC-C3YR-1RF/F8475R/SM5	1	A/C	
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-1D	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-5	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: T188C/A2
Trade Name: AG HUSKY
Aircraft T.C./STC: STC-61-6(AUST.)
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8483
Prop Diameter: 86"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 386 **Rev.:** **Date:** 10/2/1992
Modifier: PAY'S AIR SERVICE
Engine: IO-720-A1B
Power: 400 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00103	HC-C3YR-1RF/F8483	1	A/C	
BLADE	F8483	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-36	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-1	IDS Item	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: T188C/A2
Trade Name: AG HUSKY
Aircraft T.C./STC: STC-61-6(AUST.)
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8475R
Prop Diameter: 86"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 389 **Rev.:** 1 **Date:** 2/11/2013
Modifier: PAY'S AIR SERVICE
Engine: IO-720-A1B
Power: 400 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00092	HC-C3YR-1RF/F8475R	1	A/C	
PROPELLER	C3R00092KD	HC-C3YR-1RF/F8475R	1	A/C	
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-36	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-1A	IDS ITEM	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 190, 195, A, B
Trade Name:
Aircraft T.C./STC: STC-SA120NW
Propeller Model: HC-B3Z20-4
Propeller T.C.:
Blade Model(s): 10160-12E
 10160N-12E
Prop Diameter: 89" MIN

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	10160-12E	IDS Item	3	Prop	
BLADE	10160N-12E	IDS Item	3	Prop	
SPINNER	836-20	SPINNER ASSEMBLY	1	Prop	

IDS No.: 392 **Rev.:** **Date:** 10/2/1992
Modifier: WILLIAM WIPRUD
Engine: R-755S
Power: 350 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: BY TRAVEL
Cwt Angle: Positive

Non-HPI Governor:

CESSNA

Model: 205 (A), (210-5 (A))
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA09467SC
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80" TO 79"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00124	PHC-C3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

IDS No.: 1530 **Rev.:** 1 **Date:** 10/7/2010
Modifier: TEXAS SKYWAYS
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: ()206(), ()210()
Trade Name: SEE NOTES
Aircraft T.C./STC: SA02735CH

Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF+2*1
 F7693DFB+2
Prop Diameter: 80"-78"

IDS No.: 2902 **Rev.:** **Date:** 1/26/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-520-A, IO-520-J, TSIO-520-C, TSIO-520-H
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: Aircraft Models: TU206F s/n 20602200 thru U20603521, P206, P206A, and TP206A (some), P206B thru P206E, TP206B thru TP206E, 210E thru 210J, T210F thru T210L
 Aircraft Trade Names: Super Skywagon, Super Skylane, Stationair, Turbo Stationair, Centurion

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.1+ - 0.2

Startlock Angle:
Feather/High Angle: 32.0+ - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00253	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00253KD	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00454	HC-J3YF-1RF/F7693DFB+2/SM44/DE	1	A/C	
PROPELLER	J3F00454KD	HC-J3YF-1RF/F7693DFB+2/SM44/DE	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
BLADE	F7693DFB+2	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
DE-ICER	102811	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	103262	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	103307	AIRFRAME DE-ICE KIT	1	A/C	s/n 21059503 thru 21061141
DE-ICE KIT_A/F	103308	AIRFRAME DE-ICE KIT	1	A/C	s/n 21061142 and later
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: ()206(), ()210()
Trade Name: SEE NOTES
Aircraft T.C./STC: SA02821CH

Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF+2*1
 F7693DFB+2
Prop Diameter: 80"-78"

IDS No.: 2979 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: IO-520-A, IO-520-J, TSIO-520-C, TSIO-520-H
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: Aircraft Models: TU206F s/n 20602200 thru U20603521, P206, P206A, and TP206A (some), P206B thru P206E, TP206B thru TP206E, 210E thru 210J, T210F thru T210L
 Aircraft Trade Names: Super Skywagon, Super Skylane, Stationair, Turbo Stationair, Centurion

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.1+ - 0.2

Startlock Angle:
Feather/High Angle: 32.0+ - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00253	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00253KD	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00454	HC-J3YF-1RF/F7693DFB+2/SM44/DE	1	A/C	
PROPELLER	J3F00454KD	HC-J3YF-1RF/F7693DFB+2/SM44/DE	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
BLADE	F7693DFB+2	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
DE-ICER	102811	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	103262	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	103307	AIRFRAME DE-ICE KIT	1	A/C	s/n 21059503 thru 21061141
DE-ICE KIT_A/F	103308	AIRFRAME DE-ICE KIT	1	A/C	s/n 21061142 and later
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: ()206(), T207(A) See Notes
Trade Name: Super Skywagon, Stationair, Turbo Stationair
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693DF+2*1
Prop Diameter: 80"-78"

IDS No.: 2907 **Rev.:** 1 **Date:** 9/9/2011
Modifier: Vitatoo Aviation LLC.
Engine: IO-550-F, TSIO-520-M
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: For Cessna aircraft model ()206() this installation data sheet is limited to aircraft that have been converted by Aero Modifications & Consulting, LLC STC SA00332AT or SA1482GL Wipaire

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.8 + - 0.1

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F06101	HC-C3YF-1RF/F7693DF+2*[1]/SM6	1	A/C	
PROPELLER	C3F06101KD	HC-C3YF-1RF/F7693DF+2*[1]/SM6	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	Use on STC SA00332AT, SA1482GL
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	Use on STC SA00332AT, SA1482GL
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: ()206(), T207(A) See Notes
Trade Name: Super Skywagon, Stationair, Turbo Stationair
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693DF+2*1
Prop Diameter: 80"-78"

IDS No.: 2984 **Rev.:** 1 **Date:** 9/9/2011
Modifier: Hartzell Propeller
Engine: IO-550-F, TSIO-520-M
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: For Cessna aircraft model ()206() this installation data sheet is limited to aircraft that have been converted by Aero Modifications & Consulting, LLC STC SA00332AT or SA1482GL Wipaire

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.8 + - 0.1

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F06101	HC-C3YF-1RF/F7693DF+2*[1]/SM6	1	A/C	
PROPELLER	C3F06101KD	HC-C3YF-1RF/F7693DF+2*[1]/SM6	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	Use on STC SA00332AT, SA1482GL
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	Use on STC SA00332AT, SA1482GL
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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Cessna

Model: ()206(), T207(A)
Trade Name: Super Skywagon, Stationair
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

IDS No.: 2888 **Rev.:** 1 **Date:** 9/9/2011
Modifier: Vitatoe Aviation LLC
Engine: IO-550-F, TSIO-520-G
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Eligible on Atlantic Aero STC SA00332AT, Wipaire STC SA1482GL, and stock Turbo 207(A), and stock T207(A).

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0+- .2

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F07101	HC-C3YF-1RF/F8068*[4]/SM6	1	A/C	
PROPELLER	C3F07101KD	HC-C3YF-1RF/F8068*[4]/SM6	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: ()206(), T207(A)
Trade Name: Super Skywagon, Stationair
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

IDS No.: 2975 **Rev.:** 1 **Date:** 9/9/2011
Modifier: Hartzell Propeller
Engine: IO-550-F, TSIO-520-G
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Eligible on Atlantic Aero STC SA00332AT, Wipaire STC SA1482GL, and stock Turbo 207(A), and stock T207(A).

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0+- .2

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F07101	HC-C3YF-1RF/F8068*[4]/SM6	1	A/C	
PROPELLER	C3F07101KD	HC-C3YF-1RF/F8068*[4]/SM6	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: ()206(), ()207()
Trade Name: Super Skywagon, Stationair
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 80"-78"

IDS No.: 2869 **Rev.:** **Date:** 3/5/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Eligible on Texas Skyways STC SA10010SC ()206(). Eligible on Texas Skyways STC SA10011SC ()207(). D-5732-P Eligible on Texas Skyways STC SA10010SC and SA10011SC
A-2476-25 Eligible on Texas Skyways STC SA10010SC and SA10011SC

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0+--.2

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F07102	HC-C3YF-1RF/F8068*[4]/SM25	1	A/C	
PROPELLER	C3F07102KD	HC-C3YF-1RF/F8068*[4]/SM25	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	See notes for eligibility
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	See notes for eligibility
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: ()206(), ()207()
Trade Name: Super Skywagon, Stationair
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 80"-78"

IDS No.: 2974 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Eligible on Texas Skyways STC SA10010SC ()206(). Eligible on Texas Skyways STC SA10011SC ()207(). D-5732-P Eligible on Texas Skyways STC SA10010SC and SA10011SC. A-2476-25 Eligible on Texas Skyways STC SA10010SC and SA10011SC

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0+-.2

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F07102	HC-C3YF-1RF/F8068*[4]/SM25	1	A/C	
PROPELLER	C3F07102KD	HC-C3YF-1RF/F8068*[4]/SM25	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	See notes for eligibility
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	See notes for eligibility
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: ()206(), 210D
Trade Name: Super Skywagon, Stationair, Turbo Stationair, Cen
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

IDS No.: 2911 **Rev.:** **Date:** 3/5/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-520-A, TSIO-520-C
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: Super Skywagon, Stationair. Turbo Stationair, Centurion

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.3 + - 0.2

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F07100	HC-C3YF-1RF/F8068*[4]/SM30	1	A/C	
PROPELLER	C3F07100KD	HC-C3YF-1RF/F8068*[4]/SM30	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: ()206(), 210D
Trade Name: Super Skywagon, Stationair, Turbo Stationair, Cen
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.3 + - 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2988 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: IO-520-A, TSIO-520-C
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: Super Skywagon, Stationair. Turbo Stationair, Centurion

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F07100	HC-C3YF-1RF/F8068*[4]/SM30	1	A/C	
PROPELLER	C3F07100KD	HC-C3YF-1RF/F8068*[4]/SM30	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: U206G s/n U20604075 & after, 210K thru 210N

Trade Name: Super Skywagon, Stationair, Sta.7, Sta.8. Centurion

Aircraft T.C./STC: SA02821CH

Propeller Model: HC-J3YF-1RF

Propeller T.C.: P36EA

Blade Model(s): F8068-2*2

F8068B-2*1

Prop Diameter: 80"-78"

IDS No.: 2976

Rev.:

Date: 6/7/2010

Modifier: Hartzell Propeller

Engine: IO-520-F, IO-520-L

Power: 300 HP @ 2850 RPM

Placard/Restr:

Notes: Use 103307 De-ice kit with 210L: S/N 21059503 thru 21061141. Use 103308 Deice kit with 210L,M,N: S/N 21061142 and UP.

Prop Setup:

Ref. Radius: 30

Reverse Angle:

Low Pitch Angle: 11.3+-0.2

Startlock Angle:

Feather/High Angle: 32.0+-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00501	HC-J3YF-1RF/F8068-2[*2]/SM44	1	A/C	
PROPELLER	J3F00501KD	HC-J3YF-1RF/F8068-2[*2]/SM44	1	A/C	
PROPELLER	J3F00650	HC-J3YF-1RF/F8068B-2[*1]/SM44	1	A/C	
PROPELLER	J3F00650KD	HC-J3YF-1RF/F8068B-2[*1]/SM44	1	A/C	
BLADE	F8068-2*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
BLADE	F8068B-2*1	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
DE-ICER	103258	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	103262	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	103307	AIRFRAME DE-ICE KIT	1	A/C	See Notes
DE-ICE KIT_A/F	103308	AIRFRAME DE-ICE KIT	1	A/C	See Notes
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: U206G s/n U20604075 & after,210K thru 210N

Trade Name: Super Skywagon, Stationair, Sta.7, Sta.8.Centurion

Aircraft T.C./STC: SA02735CH

Propeller Model: HC-J3YF-1RF

Propeller T.C.: P36EA

Blade Model(s): F8068-2*2

F8068B-2*1

Prop Diameter: 80"-78"

IDS No.: 2890

Rev.:

Date: 4/5/2010

Modifier: Vitatoe Aviation LLC

Engine: IO-520-F, IO-520-L

Power: 300 HP @ 2850 RPM

Placard/Restr:

Notes: Use 103307 De-ice kit with 210L: S/N 21059503 thru 21061141

Use 103308 Deice kit with 210L,M,N: S/N 21061142 and UP

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle: 11.3+-0.2

Startlock Angle:

Feather/High Angle: 32.0+-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00501	HC-J3YF-1RF/F8068-2[*2]/SM44	1	A/C	
PROPELLER	J3F00501KD	HC-J3YF-1RF/F8068-2[*2]/SM44	1	A/C	
PROPELLER	J3F00650	HC-J3YF-1RF/F8068B-2[*1]/SM44	1	A/C	
PROPELLER	J3F00650KD	HC-J3YF-1RF/F8068B-2[*1]/SM44	1	A/C	
BLADE	F8068-2*2	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
BLADE	F8068B-2*1	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
DE-ICER	103258	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	103262	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	103307	AIRFRAME DE-ICE KIT	1	A/C	See Notes
DE-ICE KIT_A/F	103308	AIRFRAME DE-ICE KIT	1	A/C	See Notes
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: ()206() See Notes
Trade Name: Super Skywagon, Stationair, Turbo Stationai
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693DF+2*1
Prop Diameter: 80" - 78"

IDS No.: 2908 **Rev.:** **Date:** 1/25/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: This installation data sheet is limited to aircraft that have been converted by Texas Skyways STC No. SA10010SC, Atlantic Aero SA00332AT, Wipair SA1482GL. A-2295-1(P) Eligible on SA00332AT & SA1482GL. A-2476-30 Eligible on SA00332AT & SA1482GL.

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.8 + - 0.1

Startlock Angle:
Feather/High Angle: 32.0 + - 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F05100	HC-C3YF-1RF/F7693DF+2*[1]/SM25	1	A/C	
PROPELLER	C3F05100KD	HC-C3YF-1RF/F7693DF+2*[1]/SM25	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	See Notes
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	See Notes
SPINNER	D-5732	IDS Item	1	Prop	Use on STC SA10010SC
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	Use on STC SA10010SC
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	See Notes
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: ()206() See Notes
Trade Name: Super Skywagon, Stationair, Turbo Stationai
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693DF+2*1
Prop Diameter: 80" - 78"

IDS No.: 2985 **Rev.:** **Date:** 6/7/2010

Modifier: Hartzell Propeller

Engine: IO-550-F

Power: 300 HP @ 2700 RPM

Placard/Restr:

Notes: This installation data sheet is limited to aircraft that have been converted by Texas Skyways STC No. SA10010SC Atlantic Aero SA00332AT, Wipair SA1482GL

A-

2295-1(P) Eligible on SA00332AT & SA1482GL, A-2476-30 Eligible on SA00332AT & SA1482GL

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.8 + - 0.1

Startlock Angle:

Feather/High Angle: 32.0 + - 1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F05100	HC-C3YF-1RF/F7693DF+2*[1]/SM25	1	A/C	
PROPELLER	C3F05100KD	HC-C3YF-1RF/F7693DF+2*[1]/SM25	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	See Notes
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	See Notes
SPINNER	D-5732	IDS Item	1	Prop	Use on STC SA10010SC
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	Use on STC SA10010SC
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	See Notes
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: TU206G
Trade Name: TURBO STATIONAIR
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF+2*1
Prop Diameter: 80"-78"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00252	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00252KD	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2933 **Rev.:** **Date:** 12/11/2009

Modifier: Vitatoe Aviation LLC
Engine: TSIO-520-M
Power: 310 HP @ 2700 RPM
Placard/Restr: None
Notes:

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: TU206G
Trade Name: TURBO STATIONAIR
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF+2*1
Prop Diameter: 80"-78"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00252	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00252KD	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2999 **Rev.:** **Date:** 6/7/2010

Modifier: Hartzell Propeller
Engine: TSIO-520-M
Power: 310 HP @ 2700 RPM
Placard/Restr: None
Notes:

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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Cessna

Model: U206G s/n U20604075 and after, 210K thru 210L

Trade Name: Stationair, Centurion

Aircraft T.C./STC: SA02735CH

Propeller Model: HC-J3YF-1RF

Propeller T.C.: P36EA

Blade Model(s): F7693DF+2*1
F7693DFB+2

Prop Diameter: 80"-78"

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle: 11.0 + - 0.2

IDS No.: 2910

Rev.:

Date: 12/21/2009

Modifier: Vitatoe Aviation LLC

Engine: IO-520-F, IO-520-L

Power: 300 HP @ 2850 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: 32.0 + - 1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00251	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00251KD	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00451	HC-J3YF-1RF/F7693DFB+2/SM44/DE	1	A/C	Use on 28 V 210L only
PROPELLER	J3F00451KD	HC-J3YF-1RF/F7693DFB+2/SM44/DE	1	A/C	Use on 28 V 210L only
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
BLADE	F7693DFB+2	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	Use on 28 V 210L only
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	Optional
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
DE-ICER	102811	DE-ICE BOOT	1	Blade	Use on 28 V 210L only
DE-ICE KIT_PR	103262	DE-ICE KIT (ONE PROP)	1	Prop	Use on 28 V 210L only
DE-ICE KIT_A/F	103307	AIRFRAME DE-ICE KIT	1	A/C	Use on 210L S/N 21059503-61141
DE-ICE KIT_A/F	103308	AIRFRAME DE-ICE KIT	1	A/C	Use on 210L S/N 21061142 & up
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: U206G s/n U20604075 and after, 210K thru 210L

Trade Name: Stationair, Centurion

Aircraft T.C./STC: SA02821CH

Propeller Model: HC-J3YF-1RF

Propeller T.C.: P36EA

Blade Model(s): F7693DF+2*1

F7693DFB+2

Prop Diameter: 80"-78"

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle: 11.0 + - 0.2

IDS No.: 2987

Rev.:

Date: 6/7/2010

Modifier: Hartzell Propeller

Engine: IO-520-F, IO-520-L

Power: 300 HP @ 2850 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: 32.0 + - 1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00251	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00251KD	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00451	HC-J3YF-1RF/F7693DFB+2/SM44/DE	1	A/C	Use on 28 V 210L only
PROPELLER	J3F00451KD	HC-J3YF-1RF/F7693DFB+2/SM44/DE	1	A/C	Use on 28 V 210L only
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
BLADE	F7693DFB+2	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	Use on 28 V 210L only
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	Optional
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
DE-ICER	102811	DE-ICE BOOT	1	Blade	Use on 28 V 210L only
DE-ICE KIT_PR	103262	DE-ICE KIT (ONE PROP)	1	Prop	Use on 28 V 210L only
DE-ICE KIT_A/F	103307	AIRFRAME DE-ICE KIT	1	A/C	Use on 210L S/N 21059503-61141
DE-ICE KIT_A/F	103308	AIRFRAME DE-ICE KIT	1	A/C	Use on 210L S/N 21061142 & up
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: P206(A,B,C,D,E) U206(B,C,D,E,F,G)
Trade Name: Stationair
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF+2*1
Prop Diameter: 80"-78"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00252	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00252KD	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	A/C	See Notes
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	A/C	See Notes
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2927 **Rev.:** **Date:** 4/22/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr: None
Notes: Eligible on Atlantic Aero conversion
 SA02507AT-D

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: P206(A,B,C,D,E) U206(B,C,D,E,F,G)
Trade Name: Stationair
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF+2*1
Prop Diameter: 80"-78"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00252	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
PROPELLER	J3F00252KD	HC-J3YF-1RF/F7693DF+2[*1]/SM44	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	A/C	See Notes
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	A/C	See Notes
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2995 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: IO-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr: None
Notes: Eligible on Atlantic Aero conversion
 SA02507AT-D

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: ()206()
Trade Name: Super Skylane, Turbo Stationair
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

IDS No.: 2941 **Rev.:** **Date:** 3/5/2010
Modifier: Vitatoe Aviation LLC
Engine: TSIO-520-C, IO-520-A
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: TU206F s/n U20602200 thru U20603521, P206, P206A, TP206A (some), P206B thru P206E, TP206B thru TP206E

Prop Setup:

Ref. Radius 30"
Reverse Angle:
Low Pitch Angle: 12.3+-0.2

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00552	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00552KD	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: ()206()
Trade Name: Super Skylane, Turbo Stationair
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068*4
Prop Diameter: 82" - 78"

IDS No.: 3005 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: TSIO-520-C, IO-520-A
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: TU206F s/n U20602200 thru U20603521, P206, P206A, TP206A (some), P206B thru P206E, TP206B thru TP206E

Prop Setup:

Ref. Radius 30"
Reverse Angle:
Low Pitch Angle: 12.3+-0.2

Startlock Angle:
Feather/High Angle: 32.0+-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00552	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00552KD	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: ()206()
 Trade Name: Stationair
 Aircraft T.C./STC: SA02735CH
 Propeller Model: HC-J3YF-1RF
 Propeller T.C.: P36EA
 Blade Model(s): F8068*4
 Prop Diameter: 82"-78"

IDS No.: 2942 Rev.: Date: 3/5/2010
 Modifier: Vitatoe Aviation LLC
 Engine: IO-550-N
 Power: 310 HP @ 2700 RPM
 Placard/Restr: None
 Notes: Eligible on s Atlantic Aero STC
 SA02507AT-D.

Prop Setup:

Ref. Radius 30
 Reverse Angle:
 Low Pitch Angle: 13.0 +-0.2

Startlock Angle:
 Feather/High Angle: 32.0 +-1.0
 Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00551	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00551KD	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: ()206()
 Trade Name: Stationair
 Aircraft T.C./STC: SA02821CH
 Propeller Model: HC-J3YF-1RF
 Propeller T.C.: P36EA
 Blade Model(s): F8068*4
 Prop Diameter: 82"-78"

IDS No.: 3006 Rev.: 1 Date: 12/6/2013
 Modifier: Hartzell Propeller
 Engine: IO-550-N
 Power: 310 HP @ 2700 RPM
 Placard/Restr: None
 Notes: Eligible on s Atlantic Aero STC
 SA02507AT-D.

Prop Setup:

Ref. Radius 30
 Reverse Angle:
 Low Pitch Angle: 13.0 +-0.2

Startlock Angle:
 Feather/High Angle: 32.0 +-1.0
 Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00551	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00551KD	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: TU206G, ()206()
Trade Name: Super Skylane, Stationair, Turbo Stationair
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068*4
Prop Diameter: 82"-78"

IDS No.: 2946 **Rev.:** **Date:** 3/5/2010
Modifier: Vitatoe Aviation LLC
Engine: TSIO-520-M, IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr: None
Notes: Eligible on stock TU206G, Texas Skyways STC SA10010SC, Atlantic Aero STC SA00332AT, and Wipaire STC SA1482GL.

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.2

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00551	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00551KD	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: TU206G, ()206()
Trade Name: Super Skylane, Stationair, Turbo Stationair
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068*4
Prop Diameter: 82"-78"

IDS No.: 3009 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: TSIO-520-M, IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr: None
Notes: Eligible on stock TU206G, Texas Skyways STC SA10010SC, Atlantic Aero STC SA00332AT, and Wipaire STC SA1482GL.

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.2

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00551	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00551KD	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: P206A-P206E, U206B-U206G

Trade Name:

Aircraft T.C./STC: SA02507AT-D

Propeller Model: PHC-J3YF-1RF

Propeller T.C.: P36EA

Blade Model(s): F8068

Prop Diameter: 82"-78"

Prop Setup:

Ref. Radius 30"

Reverse Angle:

Low Pitch Angle: 12.7 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2950

Rev.: 1

Date: 6/22/2011

Modifier: ATLANTIC AERO

Engine: IO-550-N

Power: 310 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: 32.0 +/- 1.0

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F10695	PHC-J3YF-1RF/F8068/SM7	1	A/C	
PROPELLER	J3F10695KD	PHC-J3YF-1RF/F8068/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 206
Trade Name: STATIONAIR
Aircraft T.C./STC: STC Pending
Propeller Model: HC-B3TF-7A
Propeller T.C.: P15EA
Blade Model(s): T10173FN-11R
 T10173FNK-11R

Prop Diameter: 90.5

Prop Setup:

Ref. Radius: 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: NA

IDS No.: 2454 **Rev.:** 1 **Date:** 1/7/2011
Modifier: SOLOY, LLC
Engine: 250-B17F/2
Power: 450 HP @ 2030 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 81.1 +-1.0
Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3F10055S	HC-B3TF-7A/T10173FN-11R	1	A/C	
PROPELLER	B3F10059S	HC-B3TF-7A/T10173FNK-11R	1	A/C	
BLADE	T10173FN-11R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10173FNK-11R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-39EP	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-3491	SPINNER - MTG KIT	1	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-3	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2824-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2824-10
DE-ICE KIT_PR	7931-5E2796-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	
MISC ACCES	C-3630-2	PCP:BETA VALVE - ASSEMBLY	1	Prop	

CESSNA

Model: 206 SERIES
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA00512AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 1107 **Rev.:** **Date:** 11/19/1997
Modifier: DAVIS AVIATION SERVICES
Engine: IO-520-A
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00023	PHC-C3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 206 SERIES
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA00512AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.4 +-0.1

IDS No.: 1108 **Rev.:** 1 **Date:** 10/7/2010
Modifier: DAVIS AVIATION SERVICES
Engine: IO-520-A
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00891	PHC-C3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Used with E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

CESSNA

Model: 206 SERIES
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA00512AT
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 1109 **Rev.:** **Date:** 11/19/1997
Modifier: DAVIS AVIATION SERVICES
Engine: IO-520-A
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 206 SERIES
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA00512AT
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.4 +/-0.1

IDS No.: 1110 **Rev.:** **Date:** 11/19/1997
Modifier: DAVIS AVIATION SERVICES
Engine: IO-520-A
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: U206B-U206G
Trade Name:
Aircraft T.C./STC: SA10070SC
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068-2
Prop Diameter: 80"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.8 +/- 0.2

IDS No.: 3079 **Rev.:** **Date:** 5/31/2011
Modifier: Texas Skyways
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F07552	HC-C3YF-1RF/F8068-2/SM7	1	A/C	
PROPELLER	C3F07552KD	HC-C3YF-1RF/F8068-2/SM7	1	A/C	
BLADE	F8068-2	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	S-1-28	GOVERNOR ASSEMBLY, S-1-28	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 206H
Trade Name: STATIONAIR
Aircraft T.C./STC: SA01185CH
Propeller Model: HC-F3YR-1RF
Propeller T.C.: P31EA
Blade Model(s): F8468A-2R
Prop Diameter: 84" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.2 +-0.2

IDS No.: 1707 **Rev.:** 1 **Date:** 4/6/2011
Modifier: WIPAIRE, INC
Engine: IO-540-AC1A
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	F3R00011	HC-F3YR-1RF/F8468A-2R/SM23	1	A/C	
BLADE	F8468A-2R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	D-4578-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: P206, P206(A-E)
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA685AL
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8468A-6R
 F8468A-8R
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.2

IDS No.: 1102 **Rev.:** **Date:** 4/15/1996
Modifier: HARTZELL PROPELLER
Engine: IO-520-A
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: For P206A, replaces McCauley C73 and C88

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: T206H
Trade Name: TURBO STATIONAIR
Aircraft T.C./STC: STC
Propeller Model: HC-F3YR-1RF
Propeller T.C.: P31EA
Blade Model(s): F8468A-2R
Prop Diameter: 84" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15 +-0.2

IDS No.: 1708 **Rev.:** **Date:** 12/23/1999
Modifier: WIPAIRE, INC
Engine: TIO-540-AJ1A
Power: 310 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	F3R00012	HC-F3YR-1RF/F8468A-2R/SM23	1	A/C	
BLADE	F8468A-2R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	D-4578-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: TU206(A-F), TP206A, T207A, TU206(A-F)
Trade Name: SKYWAGON, SUPER SKYWAGON
Aircraft T.C./STC: SA10615SC
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693F+2
Prop Diameter: 80-78

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 14.0 +-0.2

IDS No.: 2707 **Rev.:** 1 **Date:** 10/7/2010
Modifier: RAM AIRCRAFT INC.
Engine: TSIO-520-R
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD OR
MCCAULEY

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00156	PHC-C3YF-1RF/F7693F+2/SM30	1	A/C	
BLADE	F7693F+2	PCP:BLADE UNIT, ALUM [6,15,11]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: TP206(A-E)
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA685AL
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8468A-6R
 F8468A-8R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1137 **Rev.:** **Date:** 4/15/1996
Modifier: HARTZELL PROPELLER
Engine: TSIO-520-C
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: For TP206A, replaces McCauley C70, C77 and C88

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: TP206(A-E)
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA685AL
Propeller Model: (P)HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
 F8468A-8R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1128 **Rev.:** **Date:** 5/21/2002
Modifier: HARTZELL PROPELLER
Engine: TSIO-520-C
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: Replaces McCauley C78, C79 and JC90

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: TU206(A-F)
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA685AL
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.2

IDS No.: 1127 **Rev.:** 1 **Date:** 10/7/2010
Modifier: HARTZELL PROPELLER
Engine: TSIO-520-C
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: Eligible for TU206F up to S/N 2199

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00137	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00137KD	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00137SKDTP	C3F00137/SM30/A-2295-1P	1	A/C	
PROPELLER	C3F00137STP	C3F00137/SM30/A-2295-1P	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

CESSNA

Model: TP206(A-E), TU206(A-G)
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA01300AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

IDS No.: 1112 **Rev.:** 1 **Date:** 10/7/2010
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00027	PHC-C3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: TP206(A-E), TU206(A-G)
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA01300AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.7 +-0.1

IDS No.: 1480 **Rev.:** **Date:** 2/3/2005
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: TP206(A-E), TU206(A-G)
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA01300AT
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

IDS No.: 1121 **Rev.:** **Date:** 2/2/2005
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00037	PHC-J3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: TP206(A-E), TU206(A-G)
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA01300AT
Propeller Model: **PHC-J3YF-1RF**
Propeller T.C.: P36EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.7 +-0.1

IDS No.: 1481 **Rev.:** **Date:** 2/3/2005

Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: TP206(A-E), TU206(A-G)
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA4111SW
Propeller Model: **PHC-J3YF-1RF**
Propeller T.C.: P36EA
Blade Model(s): F7663-2Q
 F7663D-2Q
Prop Diameter: 76" NO REDUCTION ALLOWED

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 15.2 +-0.1

IDS No.: 395 **Rev.:** **Date:** 3/1/2007

Modifier: RAM AIRCRAFT CORP.
Engine: TSIO-520, -C, -M
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes: Engine Ratings Note: TSIO-520,-C (285hp)

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD G210452

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F7663D-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: U206(B-G)
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA685AL
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-8R
 F8468A-8R*1
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1126 **Rev.:** **Date:** 5/16/2005
Modifier: HARTZELL PROPELLER
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: Eligible for U206G up to S/N 4074; Install spinner mounting kit per instructions in STC

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00050	HC-C3YF-1RF/F8468A-8R/SM30	1	A/C	
PROPELLER	C3F00050KD	HC-C3YF-1RF/F8468A-8R/SM30	1	A/C	
PROPELLER	C3F00050SKDTP*1	C3F00050/SM30/A-2295-1P	1	A/C	
PROPELLER	C3F00050STP*1	C3F00050/SM30/A-2295-1P	1	A/C	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-8R*1	IDS ITEM, BLADE, [3,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: TU206(F, G), P206 THRU P206E, TP206A THRU TP206E

Trade Name: SUPER SKYLANE

Aircraft T.C./STC: STC-SA685AL

Propeller Model: PHC-J3YF-1RF

Propeller T.C.: P36EA

Blade Model(s): F8468A-6R
F8468A-6R*1
F8468A-8R
F8468A-8R*1

Prop Diameter: 77" MINIMUM

Prop Setup:

Ref. Radius: 30

Reverse Angle: NA

Low Pitch Angle: 11.5 +/-0.2

IDS No.: 1136

Rev.:

Date: 5/10/2005

Modifier: HARTZELL PROPELLER

Engine: TSIO-520-(C, M)

Power: 310 HP @ 2700 RPM

Placard/Restr:

Notes: Engine Ratings Note: TSIO-520-C (285hp) Eligible for TU206F from S/N 2200 thru 3521 TU206F uses TSIO-520-C, TU206G uses TSIO-520-M

Startlock Angle: NA

Feather/High Angle: 32.0 +/-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00011	PHC-J3YF-1RF/F8468A-8R/SM9	1	A/C	
PROPELLER	J3F00011KD	PHC-J3YF-1RF/F8468A-8R/SM9	1	A/C	
PROPELLER	J3F00011SKDTP	J3F00011/SM9/C-4582-P	1	A/C	
PROPELLER	J3F00011STP	J3F00011/SM9/C-4582-P	1	A/C	
PROPELLER	J3F00012	PHC-J3YF-1RF/F8468A-6R/SM9	1	A/C	
PROPELLER	J3F00012KD	PHC-J3YF-1RF/F8468A-6R/SM9	1	A/C	
PROPELLER	J3F00012SKDTP	J3F00012/SM9/C-4582-P	1	A/C	
PROPELLER	J3F00012STP	J3F00012/SM9/C-4582-P	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-6R*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-8R*1	IDS ITEM, BLADE, [3,1,1]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: U206G, TU206G
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC SA2353NM
Propeller Model: HC-C3YN-5A
Propeller T.C.: P25EA
Blade Model(s): FC9587D-2
Prop Diameter: 95" TO 93"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 5.0 +-0.2

IDS No.: 398 **Rev.:** **Date:** 9/5/2002
Modifier: SOLOY
Engine: 250-C20S
Power: 418 HP @ 1800 RPM
Placard/Restr:
Notes: 10.5 +-1.5 Deg. high pitch

Startlock Angle: NA
Feather/High Angle: 81.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3N00210	HC-C3YN-5A/FC9587D-2/SM23	1	A/C	
PROPELLER	C3N00210KD	HC-C3YN-5A/FC9587D-2/SM23	1	A/C	
BLADE	FC9587D-2	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-1649	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-3254	STUD, MOUNTING, 9/16-18	8	Prop	

CESSNA

Model: 206,U206,U206A
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: SA10010SC
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068-2
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

IDS No.: 2440 **Rev.:** 1 **Date:** 10/7/2010
Modifier: TEXAS SKYWAYS
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00037	PHC-C3YF-1RF/F8068-2/SM25	1	A/C	
PROPELLER	C3F00037KD	PHC-C3YF-1RF/F8068-2/SM25	1	A/C	
BLADE	F8068-2	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: 206, U206, U206A, P206 (A-E)

Trade Name: SUPER SKYLANE

Aircraft T.C./STC: STC-SA685AL

Propeller Model: (P)HC-C3YF-1RF

Propeller T.C.: P25EA

Blade Model(s): F8468A-6R

F8468A-8R

Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 11.5 +-0.2

IDS No.: 1899

Rev.:

Date: 2/20/2003

Modifier: HARTZELL PROPELLER

Engine: IO-520-A

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes: Use IDS #1101

Startlock Angle: NA

Feather/High Angle: 32.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 206,U206,U206A,P206A,TP206A,TU206A
THRU F(TO S/N U-206-02199)

Trade Name: SUPER SKYLANE

Aircraft T.C./STC: STC-SA685AL

Propeller Model: PHC-C3YF-1RF

Propeller T.C.: P25EA

Blade Model(s): F8468A-6R

F8468A-8R

Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 11.5 +-0.2

IDS No.: 1101

Rev.: 1

Date: 10/7/2010

Modifier: HARTZELL PROPELLER

Engine: IO-520-A

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes: For P206A, replaces McCauley C58, C79, and C90

Startlock Angle: NA

Feather/High Angle: 32.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00133	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00133KD	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00133SKDTP	C3F00133/SM30/A-2295-1P	1	A/C	
PROPELLER	C3F00133STP	C3F00133/SM30/A-2295-1P	1	A/C	
PROPELLER	C3F00136	PHC-C3YF-1RF/F8468A-8R/SM30	1	A/C	
PROPELLER	C3F00136SKDTP	C3F00136/SM30/A-2295-1P	1	A/C	
PROPELLER	C3F00136STP	C3F00136/SM30/A-2295-1P	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: U206A,B,C,D,E,F,G
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA2123NM
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7854
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

IDS No.: 1499 **Rev.:** **Date:** 5/12/2003
Modifier: AERO MODS, INC.
Engine: TIO-540-J2BD
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00037	HC-C3YR-1RF/F7854/SM7	1	A/C	
PROPELLER	C3R00037KD	HC-C3YR-1RF/F7854/SM7	1	A/C	
BLADE	F7854	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-13	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: U206B,U206C,U206D,U206E,U206F,U206G
(up to S/N4074)
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA685AL
Propeller Model: HC-C3YF-1RF
Propeller T.C.:
Blade Model(s): F8468A-8R
Prop Diameter: 78" TO 77"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.5

IDS No.: 1565 **Rev.:** **Date:** 2/20/2003
Modifier: HARTZELL PROPELLER
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: Use IDS #1126

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	

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CESSNA

Model: U206G
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA685AL
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8468A-6R
 F8468A-8R
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

IDS No.: 1135 **Rev.:** **Date:** 5/11/2005
Modifier: HARTZELL PROPELLER
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: Eligible for U206G from S/N 4075 and up

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00016	PHC-J3YF-1RF/F8468A-6R/SM9	1	A/C	
PROPELLER	J3F00016KD	PHC-J3YF-1RF/F8468A-6R/SM9	1	A/C	
PROPELLER	J3F00016SKDTP	J3F00016/SM9/C-4582-P	1	A/C	
PROPELLER	J3F00016STP	J3F00016/SM9/C-4582-P	1	A/C	
PROPELLER	J3F00017	PHC-J3YF-1RF/F8468A-8R/SM9	1	A/C	
PROPELLER	J3F00017KD	PHC-J3YF-1RF/F8468A-8R/SM9	1	A/C	
PROPELLER	J3F00017SKDTP	J3F00017/SM9/C-4582-P	1	A/C	
PROPELLER	J3F00017STP	J3F00017/SM9/C-4582-P	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: P206,P206A-P206E,U206B-U206G
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: SA10010SC
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068-2
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

IDS No.: 2439 **Rev.:** **Date:** 2/2/2005
Modifier: TEXAS SKYWAYS
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F10700	PHC-J3YF-1RF/F8068-2/SM9	1	A/C	
PROPELLER	J3F10700KD	PHC-J3YF-1RF/F8068-2/SM9	1	A/C	
BLADE	F8068-2	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 206,U206,U206A,TP206A,TU206A THRU F
(TO S/N U206-02199)

Trade Name: SUPER SKYLANE

Aircraft T.C./STC: STC-SA685AL

Propeller Model: HC-C3YF-1RF

Propeller T.C.: P25EA

Blade Model(s): F8468A-8R

Prop Diameter: 78" TO 77"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 11.5 +-0.2

IDS No.: 396

Rev.:

Date: 5/10/2005

Modifier: HARTZELL PROPELLER

Engine: IO-520-A

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 32.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00053	HC-C3YF-1RF/F8468A-8R/SM30	1	A/C	
PROPELLER	C3F00053KD	HC-C3YF-1RF/F8468A-8R/SM30	1	A/C	
PROPELLER	C3F00053SKDTP	C3F00053/SM30/A-2295-1P	1	A/C	
PROPELLER	C3F00053STP	C3F00053/SM30/A-2295-1P	1	A/C	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: (U,P)206, U206(A-G), P206(A-E)

Trade Name: SUPER SKYLANE

Aircraft T.C./STC: STC-SA2830SO

Propeller Model: PHC-C3YF-1RF

Propeller T.C.: P25EA

Blade Model(s): F8468A-6R

Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 11.7 +-0.1

IDS No.: 1103

Rev.:

Date: 2/3/2005

Modifier: DAVIS AVIATION SERVICES

Engine: IO-550-F

Power: 300 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 31.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: (U,P)206, U206(A-G), P206(A-E)

Trade Name: SUPER SKYLANE

Aircraft T.C./STC: STC-SA2830SO

Propeller Model: HC-C3YF-1RF

Propeller T.C.: P25EA

Blade Model(s): F9587C-15S

Prop Diameter: 82.0" TO 80.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 10.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F9587C-15S	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1484

Rev.:

Date: 2/3/2005

Modifier: DAVIS AVIATION SERVICES

Engine: IO-550-F

Power: 300 HP @ 2700 RPM

Placard/Restr: Continuous operation is prohibited between 2000 and 2300 RPM.

Notes:

Startlock Angle: NA

Feather/High Angle: 31.0 +-1.0

Cwt Angle:

Non-HPI Governor:

CESSNA

Model: (U,P)206, U206(A-G), P206(A-E)

Trade Name: SUPER SKYLANE

Aircraft T.C./STC: STC-SA2830SO

Propeller Model: PHC-J3YF-1RF

Propeller T.C.: P36EA

Blade Model(s): F8468A-6R

Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 11.7 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00015	PHC-J3YF-1RF/F8468A-6R/SM7	1	A/C	
PROPELLER	J3F00015KD	PHC-J3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1105

Rev.:

Date: 8/10/2006

Modifier: DAVIS AVIATION SERVICES

Engine: IO-550-F

Power: 300 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 31.0 +-1.0

Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: (U,P)206, U206(A-G), P206(A-E)
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA2830SO
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

IDS No.: 1482 **Rev.:** **Date:** 2/3/2005
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: (U,P)206, U206(A-G), P206(A-E)
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA2830SO
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

IDS No.: 1483 **Rev.:** 1 **Date:** 10/7/2010
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00027	PHC-C3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: 207, 207A
Trade Name: SKYWAGON
Aircraft T.C./STC: SA696AL
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

IDS No.: 2619 **Rev.:** 1 **Date:** 10/7/2010
Modifier: HARTZELL PROPELLER
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00119	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00119KD	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00119SKDTP*1	C3F00119/SM30/A-2295-1P	1	A/C	
PROPELLER	C3F00119STP*1	C3F00119/SM30/A-2295-1P	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

CESSNA

Model: 207, 207A
Trade Name: SKYWAGON, STATIONAIR 7
Aircraft T.C./STC: SA10011SC
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068-2
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.5 +-0.1

IDS No.: 2441 **Rev.:** 1 **Date:** 10/7/2010
Modifier: TEXAS SKYWAYS
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00038	PHC-C3YF-1RF/F8068-2/SM7	1	A/C	
PROPELLER	C3F00038KD	PHC-C3YF-1RF/F8068-2/SM7	1	A/C	
BLADE	F8068-2	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: 207, 207A
Trade Name: SKYWAGON, STATIONAIR 7
Aircraft T.C./STC: STC-SA696AL
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-8R
Prop Diameter: 78" TO 77"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.5

IDS No.: 400 **Rev.:** **Date:** 2/3/2005
Modifier: HARTZELL PROPELLER
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 207, 207A
Trade Name: SKYWAGON
Aircraft T.C./STC: SA696AL
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-8R
Prop Diameter: 78" TO 77"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

IDS No.: 2511 **Rev.:** **Date:** 3/16/2006
Modifier: HARTZELL PROPELLER
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00052	HC-C3YF-1RF/F8468A-8R/SM30	1	A/C	
PROPELLER	C3F00052KD	HC-C3YF-1RF/F8468A-8R/SM30	1	A/C	
PROPELLER	C3F00052SKDTP	C3F00052/SM30/A-2295-1P	1	A/C	
PROPELLER	C3F00052STP	C3F00052/SM30/A-2295-1P	1	A/C	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 207, 207A
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00636AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

IDS No.: 1114 **Rev.:** **Date:** 2/2/2005
Modifier: DAVIS AVIATION SERVICES
Engine: IO-520-F
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 207, 207A
Trade Name: SKYWAGON, STATIONAIR 7
Aircraft T.C./STC: STC-SA696AL
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-8R
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

IDS No.: 1129 **Rev.:** **Date:** 2/2/2005
Modifier: HARTZELL PROPELLER
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: Install spinner mounting kit per instructions in STC

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 207, 207A
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00636AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.4 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1131 **Rev.:** 1 **Date:** 10/7/2010

Modifier: DAVIS AVIATION SERVICES

Engine: IO-520-F

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 31.0 +-1.0

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00122	PHC-C3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

CESSNA

Model: 207, 207A
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00636AT
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1118 **Rev.:** **Date:** 2/2/2005

Modifier: DAVIS AVIATION SERVICES

Engine: IO-520-F

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 31.0 +-1.0

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 207, 207A
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00636AT
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.4 +-0.2

IDS No.: 1139 **Rev.:** **Date:** 1/5/2005
Modifier: DAVIS AVIATION SERVICES
Engine: IO-520-F
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00014	PHC-J3YF-1RF/F8468A-6R/SM7	1	A/C	
PROPELLER	J3F00014KD	PHC-J3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 207, 207A
Trade Name: SKYWAGON, STATIONAIR 7
Aircraft T.C./STC: SA10011SC
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068
Prop Diameter: 82"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

IDS No.: 2442 **Rev.:** 1 **Date:** 10/7/2010
Modifier: TEXAS SKYWAYS
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00002	PHC-C3YF-1RF/F8068/SM7	1	A/C	
PROPELLER	C3F00002KD	PHC-C3YF-1RF/F8068/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: 207, 207A
Trade Name: SKYWAGON, STATIONAIR 7
Aircraft T.C./STC: SA10011SC
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068
Prop Diameter: 82"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2444 **Rev.:** **Date:** 2/6/2004

Modifier: TEXAS SKYWAYS
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F10691	PHC-J3YF-1RF/F8068/SM7	1	A/C	
PROPELLER	J3F10691KD	PHC-J3YF-1RF/F8068/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 207, 207A
Trade Name: SKYWAGON, STATIONAIR 7
Aircraft T.C./STC: SA10011SC
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068-2
Prop Diameter: 80"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2443 **Rev.:** **Date:** 2/6/2004

Modifier: TEXAS SKYWAYS
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F10701	PHC-J3YF-1RF/F8068-2/SM7	1	A/C	
PROPELLER	J3F10701KD	PHC-J3YF-1RF/F8068-2/SM7	1	A/C	
BLADE	F8068-2	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 207, 207A, T207, T207A
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA3322NM
Propeller Model: HC-C3YN-5A
Propeller T.C.: P25EA
Blade Model(s): FC9587D-2
Prop Diameter: 95"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 5.0 +-0.2

IDS No.: 1526 **Rev.:** **Date:** 2/2/2005
Modifier: SOLOY
Engine: 250-C20S
Power: 418 HP @ 1800 RPM
Placard/Restr:
Notes: 10.5 +-1.5 Deg. high pitch

Startlock Angle: NA
Feather/High Angle: 81.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC9587D-2	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-1649	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-3254	STUD, MOUNTING, 9/16-18	8	Prop	

CESSNA

Model: T207A
Trade Name: SKYWAGON
Aircraft T.C./STC: SA696AL
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.7 +-0.1

IDS No.: 2513 **Rev.:** 1 **Date:** 10/7/2010
Modifier: HARTZELL PROPELLER
Engine: TSIO-520-M
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00139	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00139KD	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00139SKDTP	C3F00139/SM30/A-2295-1P	1	A/C	
PROPELLER	C3F00139STP	C3F00139/SM30/A-2295-1P	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: T207, T207A
Trade Name:
Aircraft T.C./STC: STC-SA696AL
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.7 +-0.1

IDS No.: 1351 **Rev.:** **Date:** 2/2/2005
Modifier: HARTZELL PROPELLER
Engine: TSIO-520-G, -M
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes: Engine Ratings Note: TSIO-520-G (300hp)

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 207, 207A, T207, T207A
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00173AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

IDS No.: 1115 **Rev.:** 1 **Date:** 10/7/2010
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00027	PHC-C3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: 207, 207A, T207, T207A
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00173AT
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.7 +-0.1

IDS No.: 1130 **Rev.:** **Date:** 2/2/2005
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 207, 207A, T207, T207A
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00173AT
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

IDS No.: 1119 **Rev.:** **Date:** 2/2/2005
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 207, 207A, T207, T207A
Trade Name: SKYWAGON
Aircraft T.C./STC: STC-SA00173AT
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.7 +-0.1

IDS No.: 1138 **Rev.:** **Date:** 7/17/2007
Modifier: DAVIS AVIATION SERVICES
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00015	PHC-J3YF-1RF/F8468A-6R/SM7			
PROPELLER	J3F00015KD	PHC-J3YF-1RF/F8468A-6R/SM7			
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: T207, T207A
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7663-2Q
F7663D-2Q
Prop Diameter: 76.0" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

IDS No.: 1142 **Rev.:** **Date:** 2/2/2005
Modifier: MT PROPELLER
Engine: TSIO-520
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F7663D-2Q	PCP:BLADE UNIT, ALUMINUM	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 208, 208A
Trade Name: CARAVAN
Aircraft T.C./STC: STC SA02291AK
Propeller Model: HC-B4TN-5QL
Propeller T.C.: P40EA

Blade Model(s): LT10890N
 LT10890NK
Prop Diameter: 109.5" TO 107.5"

Prop Setup:

Ref. Radius 42
Reverse Angle: -11.5 +-0.5
Low Pitch Angle: NA

IDS No.: 1838 **Rev.:** 2 **Date:** 4/18/2011
Modifier: Aero Twin
Engine: TPE-331-12JR
Power: 850 HP @ 1591 RPM
Placard/Restr: Stabilized ground operation is prohibited below 1082 (68%) rpm and between 1352 (85%) and 1464 (92%) rpm.
Notes: STC is applicable to aircraft S/N 20800014 and above.

Startlock Angle: -1.4 +-0.1
Feather/High Angle: 81.2 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N20901S	HC-B4TN-5QL/LT10890NK/D3434-7P	1	A/C	
PROPELLER	B4N20901SKD	HC-B4TN-5QL/LT10890NK/D3434-7P	1	A/C	
PROPELLER	B4N20920S	HC-B4TN-5QL/LT10890N/D-3434-7P	1	A/C	
PROPELLER	B4N20920SKD	HC-B4TN-5QL/LT10890N/D-3434-7P	1	A/C	
BLADE	LT10890N	BLADE UNIT, ALUMINUM [1,3,1]	4	Prop	
BLADE	LT10890NK	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-3434-7	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-7P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-12H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	4	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	20	Prop	
SP_MT_KIT_DE-ICE	B-3384-25H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT, HEX, SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	20	Prop	
SP_MT_KIT_DE-ICE	B-3865-15A	BOLT, 1/4-28, HEX HEAD, CRES	4	Prop	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H2598-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2598-10
DE-ICE KIT_PR	7931-5E2782-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	.02 OF 108 FT ROLL

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CESSNA

Model: 208, 208A, 208B
Trade Name: CARAVAN
Aircraft T.C./STC: A37CE
Propeller Model: HC-B3MN-3
Propeller T.C.: P9NE
Blade Model(s): M10083
M10083K
Prop Diameter: 100" NO CUT OFF

IDS No.: 402 **Rev.:** 4 **Date:** 12/12/2013
Modifier:
Engine: PT6A-114,-114A
Power: 600 HP @ 1900 RPM
Placard/Restr:
Notes: Fit carbon block. No yellow stripe station reference on blades per customer request.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -18.0 +-0.5
Low Pitch Angle: 9.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 78.4 +-0.5
Cwt Angle: 2.5 +-1.5

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N000057	HC-B3MN-3/M10083/BULKHEAD	1	A/C	
PROPELLER	B3N000058	HC-B3MN-3/M10083K/BULK/DE-ICE	1	A/C	
PROPELLER	B3N000059	HC-B3MN-3/M10083	1	A/C	
PROPELLER	B3N000059KD	HC-B3MN-3/M10083	1	A/C	
PROPELLER	B3N000060	HC-B3MN-3/M10083K	1	A/C	
PROPELLER	B3N000060KD	HC-B3MN-3/M10083K	1	A/C	
BLADE	M10083	PCP:BLADE ASSY, COMPOSITE	3	Prop	
BLADE	M10083K	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	D-4897	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4897-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-3H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	12	Prop	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-13H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2336-12	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2336-12
DE-ICE KIT_PR	7931-67-440-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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APPLICATION GUIDE

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CESSNA

Model: 208, 208A, 208B
Trade Name: CARAVAN
Aircraft T.C./STC: STC-SA02181AK
Propeller Model: HC-B3TN-3AF
Propeller T.C.: P15EA
Blade Model(s): T10890CN-2
 T10890CNK-2
Prop Diameter: 106" TO 104"

IDS No.: 1696 **Rev.:** 1 **Date:** 1/10/2011
Modifier: HARTZELL PROPELLER
Engine: PT6A-114,-114A
Power: 675 HP @ 1900 RPM
Placard/Restr:
Notes: Engine Ratings Note: PT6A-114 (600hp)
 5E2715-2 Kit is for Hartzell OEM fitted
 aircraft; 5E2715-3 is for McCauley OEM
 fitted aircraft.

Prop Setup:

Ref. Radius 42
Reverse Angle: -21.0 +-0.5
Low Pitch Angle: 8.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 79.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N00119	HC-B3TN-3AF/T10890CNK-2	1	A/C	Uses 5E2715-1 Kit
PROPELLER	B3N00119KD	HC-B3TN-3AF/T10890CNK-2	1	A/C	Uses 5E2715-1 Kit
PROPELLER	B3N00119S	HC-B3TN-3AF/T10890CNK-2/SPIN	1	A/C	Uses 5E2715-1 Kit
PROPELLER	B3N00119SKD	HC-B3TN-3AF/T10890CNK-2/SPIN	1	A/C	Uses 5E2715-1 Kit
PROPELLER	B3N00119SKDTP	B3N00119/D-4897-P/DE-ICE	1	A/C	Uses 5E2715-1 Kit
PROPELLER	B3N00119SKDTP*1	B3N00119/D-4897-P/FULL DE-ICE	1	A/C	Uses 5E2715-1 Kit
PROPELLER	B3N00119STP	B3N00119/D-4897-P/DE-ICE	1	A/C	Uses 5E2715-1 Kit
PROPELLER	B3N00119STP*1	B3N00119/D-4897-P/FULL DE-ICE	1	A/C	Uses 5E2715-1 Kit
PROPELLER	B3N00120	HC-B3TN-3AF/T10890CN-2	1	A/C	
PROPELLER	B3N00120KD	HC-B3TN-3AF/T10890CN-2	1	A/C	
PROPELLER	B3N00120S	HC-B3TN-3AF/T10890CN-2/SPIN	1	A/C	
PROPELLER	B3N00120SKD	HC-B3TN-3AF/T10890CN-2/SPIN	1	A/C	
PROPELLER	B3N00120SKDTP	B3N00120/D-4897-P	1	A/C	
PROPELLER	B3N00120STP	B3N00120/D-4897-P	1	A/C	
BLADE	T10890CN-2	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10890CNK-2	PCP:BLADE UNIT, ALUM 4H2560-10	3	Prop	
SPINNER	D-4897	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4897-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	9	Prop	Used w/5E2715-4 Kit
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	Used w/5E2715-1 Kit
SP_MT_KIT_DE-ICE	A-2070-9	SCREW, 1/4-28, BUTTON HEAD	3	Prop	Used w/5E2715-4 Kit
SP_MT_KIT_DE-ICE	B-3808-4	NUT, HEX, SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	Used w/5E2715-4 Kit
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2560-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2560-10
DE-ICE KIT_PR	7931-5E2715-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-5E2715-4	DE-ICE KIT (ONE PROP)	1	Prop	(Start-Lock)
DE-ICE KIT_A/F	7931-5E2715-2	AIRFRAME DE-ICE KIT	1	A/C	
DE-ICE KIT_A/F	7931-5E2715-3	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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CESSNA

Model: 208, 208A, 208B
Trade Name: CARAVAN
Aircraft T.C./STC: STC ST01472SE
Propeller Model: HC-B3TN-3AEY
Propeller T.C.: P15EA
Blade Model(s): T10290N+2*1
T10290NK+2
Prop Diameter: 104"

Prop Setup:

Ref. Radius 42
Reverse Angle: -16.0 +-0.5
Low Pitch Angle: 10.5 +-0.1

IDS No.: 1986 **Rev.:** 1 **Date:** 1/10/2011
Modifier: KENMORE AIR HARBOR
Engine: PT6A-114, 114A
Power: 675 HP @ 1900 RPM
Placard/Restr:
Notes: Engine Ratings Note: PT6A-114 (600hp)

Startlock Angle: 1.0 +-1.0
Feather/High Angle: 78.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N1055S	HC-B3TN-3AEY/T10290N+2[*1]	1	A/C	
PROPELLER	B3N10560S	HC-B3TN-3AEY/T10290NK+2/D4897P	1	A/C	
BLADE	T10290N+2*1	BLADE UNIT, ALUMINUM[3,1,1]	3	Prop	
BLADE	T10290NK+2	PCP:BLADE UNIT, ALUM,4H2560-10	3	Prop	
SPINNER	D-4897-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	6	Prop	
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	3	Prop	
SPIN MTG KIT	B-3384-8H	BOLT, 1/4-28, HEX HEAD	3	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	9	Prop	
SP_MT_KIT_DE-ICE	A-2070-9	SCREW, 1/4-28, BUTTON HEAD	3	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2560-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2560-10
DE-ICE KIT_PR	7931-5E2803-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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CESSNA

Model: 208, 208A, 208B
Trade Name: CARAVAN
Aircraft T.C./STC: STC-SA8954SW
Propeller Model: HC-B3TN-3Z
Propeller T.C.: P15EA
Blade Model(s): T10282N+4
 T10282NK+4
Prop Diameter: 106.0" NO CUT OFF

IDS No.: 1204 **Rev.:** 2 **Date:** 6/4/2013
Modifier: CENTURY AVIATION, JOHN W. DOWNS
 INC.
Engine: PT6A-114 (PT6A-114A, 208B)
Power: 675 HP @ 1900 RPM
Placard/Restr:
Notes: Engine Ratings Note: PT6A-114 (600hp)
 The aircraft minimum gross weight is 3000
 lbs.

Prop Setup:

Ref. Radius 30
Reverse Angle: -14.5 +/-0.5
Low Pitch Angle: 19.0 +/-0.2

Startlock Angle: NA
Feather/High Angle: 86.0 +/-0.5
Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10185S	HC-B3TN-3Z/T10282NK+4/D4897-P	1	A/C	
PROPELLER	B3N10186	HC-B3TN-3Z/T10282N+4	1	A/C	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10282NK+4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-4897-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT, HEX, SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H2560-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2560-10
DE-ICE KIT_PR	7931-67-920-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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CESSNA

Model: 208, 208A, 208B
Trade Name: CARAVAN
Aircraft T.C./STC: SA02092AK
Propeller Model: HC-D4N-3R
Propeller T.C.: P10NE

IDS No.: 1374 **Rev.:** 1 **Date:** 12/12/2012
Modifier: HARTZELL PROPELLER
Engine: PT6A-114, -114A
Power: 675 HP @ 1900 RPM
Placard/Restr: Stabilized ground operation is prohibited between 440 and 1060 RPM. The propeller may be operated when feathered at or below 440 RPM.

Blade Model(s): D9511F
 D9511F*2
 D9511FK*2
 D9511FK*5
Prop Diameter: 96.0" TO 95.0" MIN

Notes: Engine Ratings Note: PT6A-114 (600hp)

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 16.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 86.1 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	D4N00192	HC-D4N-3R/D9511FK[*2]/BULKHEAD	1	A/C	
PROPELLER	D4N00192S	HC-D4N-3R/D9511FK[*2]/D-630-3P	1	A/C	
PROPELLER	D4N00192SKD	HC-D4N-3R/D9511FK[*2]/D-630-3P	1	A/C	
PROPELLER	D4N00192SKDTP	D4N00192S/D-630-3P/B-6844-1	1	A/C	
PROPELLER	D4N00192SKDTP*1	D4N00192S/D-630-3P/B-6844	1	A/C	
PROPELLER	D4N00192STP	D4N00192S/D-630-3P/B-6844-1	1	A/C	
PROPELLER	D4N00192STP*1	D4N00192S/D-630-3P/B-6844	1	A/C	
PROPELLER	D4N00193S	HC-D4N-3R/D9511F/D-630-3P	1	A/C	
PROPELLER	D4N00193SKD	HC-D4N-3R/D9511F/D-630-3P	1	A/C	
PROPELLER	D4N00193SKDTP	D4N00193S/D-630-3P	1	A/C	
PROPELLER	D4N00193STP	D4N00193S/D-630-3P	1	A/C	
BLADE	D9511F	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
BLADE	D9511F*2	IDS Item	4	Prop	
BLADE	D9511FK*2	PCP:BLADE UNIT, ALUM ()3101-1	4	Prop	
BLADE	D9511FK*5	IDS ITEM, 4E3101-1	4	Prop	
SPINNER	D-630-3P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H3101-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3101-1
DE-ICE KIT_PR	7931-67-931-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	B-6844	HARDWARE, AIRFRAME, DE-ICE	1	A/C	ONLY WHEN REPLACING A MCCAULEY
DE-ICE KIT_A/F	B-6844-1	HARDWARE, AIRFRAME, DE-ICE	1	A/C	ONLY WHEN REPLACING A HARTZELL
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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CESSNA

Model: 208, 208B
Trade Name: Caravan
Aircraft T.C./STC: SA02357LA / SA02476LA
Propeller Model: HC-E4N-3P
Propeller T.C.: P10NE

Blade Model(s): D9900
D9900K

Prop Diameter: 100"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0 +/- 0.5
Low Pitch Angle: 17.3+/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00169S	HC-E4N-3P/D9900/D-630-3P	1	A/C	
PROPELLER	E4N00175S	HC-E4N-3P/D9900K/D-630-3P	1	A/C	
BLADE	D9900	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	D9900K	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-630-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-630-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	103505	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	103553	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	103644	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	B-3339-1	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

IDS No.: 2924 **Rev.:** 3 **Date:** 7/15/2013

Modifier: Blackhawk Modifications Inc.

Engine: PT6A-42A

Power: 850 HP @ 2000 RPM

Placard/Restr: Stabilized ground operation is prohibited between 450 and 1050 RPM. The propeller may be operated when feathered at or below 450 RPM.

Notes: STC SA02476LA applies to Model 208.
STC SA02357LA applies to model 208B;
Refer to STC for applicability limits

Startlock Angle: NA

Feather/High Angle: 86.1+/-0.5

Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 208B
Trade Name: Caravan
Aircraft T.C./STC: A37CE
Propeller Model: HC-B3TN-3AF
Propeller T.C.: P15EA
Blade Model(s): T10890CN-2
 T10890CNB-2
Prop Diameter: 106" to 104"

Prop Setup:

Ref. Radius: 42
Reverse Angle: -21.0+/- 0.5
Low Pitch Angle: 8.5 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 3175 **Rev.:** 5 **Date:** 6/3/2013

Modifier:
Engine: PT6A-140
Power: 867 HP @ 1900 RPM
Placard/Restr:
Notes: Propeller to be shipped with A-880-1 nut installed per Manual 118F.

Startlock Angle:
Feather/High Angle: 78.4 +/- 0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N21050	HC-B3TN-3AF/T10890CN-2/BULK	1	A/C	
PROPELLER	B3N21050S	HC-B3TN-3AF/T10890CN-2/D4897-P	1	A/C	
PROPELLER	B3N21100	HC-B3TN-3AF/T10890CNB-2	1	A/C	
PROPELLER	B3N21100S	HC-B3TN-3AF/T10890CNB-2/SPIN	1	A/C	
BLADE	T10890CN-2	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10890CNB-2	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-4897	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4897-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4897-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	Qty. 6 for props w/ start locks
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	3	Prop	For Props w/ start locks only
SPIN MTG KIT	B-3384-8H	BOLT, 1/4-28, HEX HEAD	3	Prop	For Props w/ start locks only
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	For Props w/ start locks only
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	Qty. 12 for props w/o start locks
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-13H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	C-6081	PCP:SLUG, COUNTERWEIGHT	1	Blade	
DE-ICER	C-2131-13	BOOT, ANTI-ICING	1	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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CESSNA

Model: 208B
Trade Name: SuperVan 900
Aircraft T.C./STC: STC SA10841SC
Propeller Model: HC-B4TN-5QL
Propeller T.C.: P40EA

IDS No.: 2504 **Rev.:** 2 **Date:** 7/21/2011
Modifier: TEXAS TURBINES
Engine: TPE-331-12JR
Power: 900 HP @ 1591 RPM
Placard/Restr: Stabilized ground operation is prohibited below 1082 (68%) rpm and between 1352 (85%) and 1464 (92%) rpm.

Blade Model(s): LT10890NK
Prop Diameter: 109.5" TO 107.5"

Notes:

Prop Setup:

Ref. Radius: 42
Reverse Angle: -11.5 +-0.5
Low Pitch Angle: NA

Startlock Angle: -1.4 +-0.1
Feather/High Angle: 81.2 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N20902S	HC-B4TN-5QL/LT10890NK/D3434-7P	1	A/C	
PROPELLER	B4N20902SKD	HC-B4TN-5QL/LT10890NK/D3434-7P	1	A/C	
BLADE	LT10890NK	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-3434-7	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-7P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-12H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	4	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	20	Prop	
SP_MT_KIT_DE-ICE	B-3384-25H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	20	Prop	
SP_MT_KIT_DE-ICE	B-3865-15A	BOLT,1/4-28,HEX HEAD,CRES	4	Prop	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H2598-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2598-10
DE-ICE KIT_PR	7931-5E2792-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL	1	Blade	.02 OF 108 FT ROLL

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CESSNA

Model: 208B
Trade Name: SuperVan 900
Aircraft T.C./STC: SA10841SC
Propeller Model: HC-B4TN-5(N,Q)L
Propeller T.C.: P40EA

IDS No.: 3093 **Rev.:** 4 **Date:** 6/4/2013
Modifier: Texas Turbines
Engine: TPE-331-12JR
Power: 900 HP @ 1591 RPM
Placard/Restr: Stabilized ground operation is prohibited below 1082 (68%). The propeller reverse blade angle may not exceed (go lower than) -12°, including tolerance, as measured at the 42" radius.

Blade Model(s): LT10891N
 LT10891NK
Prop Diameter: 109.5" to 107.5"

Notes: -5NL used for props without de-ice, -5QL for props with de-ice

Prop Setup:

Ref. Radius: 42
Reverse Angle: -11.5 +/- 0.5
Low Pitch Angle: N/A

Startlock Angle: -1.4 +/- 0.1
Feather/High Angle: 81.2 +/- 0.5
Cwt Angle: 2.0 +/-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LT10891N	PCP:BLADE UNIT, ALUMINUM	4	Prop	Blade, no de-icer
BLADE	LT10891NK	PCP:BLADE UNIT, ALUMINUM	4	Prop	Blade with de-icer installed
SPINNER	D-3434-7	SPINNER ASSEMBLY	1	Prop	Buffed spinner, surface suitable for paint
SPINNER	D-3434-7P	SPINNER ASSEMBLY	1	Prop	Polished spinner
SPIN MTG KIT	B-3384-12H	BOLT, 1/4-28, HEX HEAD	8	Prop	Included with propeller
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	4	Prop	Included with propeller
SPIN MTG KIT	B-3851-0432	WASHER	20	Prop	Included with propeller
SP_MT_KIT_DE-ICE	102831	BOLT, HEX, 1/4-28, CRS	4	Prop	Included in prop de-ice kit
SP_MT_KIT_DE-ICE	B-3384-25H	BOLT, 1/4-28, HEX HEAD	8	Prop	Included in prop de-ice kit
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	Included in prop de-ice kit
SP_MT_KIT_DE-ICE	B-7076-42	BELLEVILLE SPRING WASHER	36	Prop	Included in prop de-ice kit
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Included with propeller
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	Included with propeller
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	Included with propeller
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	Included with propeller
CWT_SLUG	B-3834-0632	WASHER	2	Blade	Included with propeller
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	104286	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	104334-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	Included in prop BOM
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM

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CESSNA

Model: 210E thru 210J, T210F thru T210L

Trade Name: Centurion

Aircraft T.C./STC: SA02735CH

Propeller Model: HC-J3YF-1RF

Propeller T.C.: P36EA

Blade Model(s): F8068*4

F8068B*2

Prop Diameter: 82" - 78"

IDS No.: 2945

Rev.:

Date: 4/5/2010

Modifier: Vitatoe Aviation LLC

Engine: TSIO-520-C, IO-520-A, IO-520-J, TSIO-520-H

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes: 103307 Airframe De-ice : (T)210L s/n 21059503 thru 21061141.

103308 Airframe De-ice : T210L s/n 21061142 and up.

Prop Setup:

Ref. Radius 30"

Reverse Angle:

Low Pitch Angle: 12.3+-0.2

Startlock Angle:

Feather/High Angle: 32.0+-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00552	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00552KD	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00601	HC-J3YF-1RF/F8068B[*2]/SM44	1	A/C	
PROPELLER	J3F00601KD	HC-J3YF-1RF/F8068B[*2]/SM44	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
BLADE	F8068B*2	PCP:BLADE UNIT, ALUM 103258	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
DE-ICE KIT_PR	103262	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	103307	AIRFRAME DE-ICE KIT	1	A/C	See Notes
DE-ICE KIT_A/F	103308	AIRFRAME DE-ICE KIT	1	A/C	See Notes
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 210E thru 210J, T210F thru T210L

Trade Name: Centurion

Aircraft T.C./STC: SA02821CH

Propeller Model: HC-J3YF-1RF

Propeller T.C.: P36EA

Blade Model(s): F8068*4

F8068B*2

Prop Diameter: 82" - 78"

IDS No.: 3008

Rev.:

Date: 6/7/2010

Modifier: Hartzell Propeller

Engine: TSIO-520-C, IO-520-A, IO-520-J, TSIO-520-H

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes: 103307 Airframe De-ice : (T)210L s/n 21059503 thru 21061141.

103308 Airframe De-ice : T210L s/n 21061142 and up.

Prop Setup:

Ref. Radius 30"

Reverse Angle:

Low Pitch Angle: 12.3+-0.2

Startlock Angle:

Feather/High Angle: 32.0+-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00552	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00552KD	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00601	HC-J3YF-1RF/F8068B[*2]/SM44	1	A/C	
PROPELLER	J3F00601KD	HC-J3YF-1RF/F8068B[*2]/SM44	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
BLADE	F8068B*2	PCP:BLADE UNIT, ALUM 103258	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
DE-ICE KIT_PR	103262	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	103307	AIRFRAME DE-ICE KIT	1	A/C	See Notes
DE-ICE KIT_A/F	103308	AIRFRAME DE-ICE KIT	1	A/C	See Notes
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: T210M, T210N, & P210N
Trade Name: Centurion, Pressurized Centurion
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068*4
 F8068B*2

IDS No.: 2943 **Rev.:** **Date:** 4/5/2010
Modifier: Vitatoe Aviation LLC
Engine: TSIO-520-R, -P, -AF
Power: 310 HP @ 2700 RPM
Placard/Restr: None
Notes:

Prop Diameter: 82"-78"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.2

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00551	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00551KD	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00602	HC-J3YF-1RF/F8068B[*2]/SM44	1	A/C	
PROPELLER	J3F00602KD	HC-J3YF-1RF/F8068B[*2]/SM44	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
BLADE	F8068B*2	PCP:BLADE UNIT, ALUM 103258	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
DE-ICER	103258	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	103262	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	103308	AIRFRAME DE-ICE KIT	1	A/C	T210 M, N, and P210N
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: T210M, T210N, & P210N
Trade Name: Centurion, Pressurized Centurion
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068*4
 F8068B*2

IDS No.: 3007 **Rev.:**
Modifier: Hartzell Propeller
Engine: TSIO-520-R, -P, -AF
Power: 310 HP @ 2700 RPM
Placard/Restr: None
Notes:

Date: 6/7/2010

Prop Diameter: 82"-78"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.2

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00551	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00551KD	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00602	HC-J3YF-1RF/F8068B[*2]/SM44	1	A/C	
PROPELLER	J3F00602KD	HC-J3YF-1RF/F8068B[*2]/SM44	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
BLADE	F8068B*2	PCP:BLADE UNIT, ALUM 103258	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
DE-ICER	103258	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	103262	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	103308	AIRFRAME DE-ICE KIT	1	A/C	T210 M, N, and P210N
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: ()210()
Trade Name: Centurion, Turbo Centurion
Aircraft T.C./STC: SA02735CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068*4
 F8068B*2
Prop Diameter: 82.0" TO 78.0"

IDS No.: 2947 **Rev.:** **Date:** 4/5/2010
Modifier: Vitatoe Aviation LLC
Engine: IO-550-L
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Eligible on John Jewell Aircraft STC's
 SA00274AT,
 SA03141AT,
 Atlantic Aero STC
 SA3104SO, and Texas Skyways STC
 SA09952SC. Airframe De-ice Kit
 103307 (T)210L s/n 21059503 thru
 21061141. Airframe De-ice kit 103308
 (T)210L, M, N s/n 21061142 and up.

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.2

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00551	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00551KD	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00602	HC-J3YF-1RF/F8068B[*2]/SM44	1	A/C	
PROPELLER	J3F00602KD	HC-J3YF-1RF/F8068B[*2]/SM44	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
BLADE	F8068B*2	PCP:BLADE UNIT, ALUM 103258	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5732	IDS Item			Eligible STC SA09952SC only
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	Eligible STC SA09952SC only
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	Use with D-5732-(P) only
DE-ICER	103258	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	103262	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	103307	AIRFRAME DE-ICE KIT	1	A/C	See Notes
DE-ICE KIT_A/F	103308	AIRFRAME DE-ICE KIT	1	A/C	See Notes
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: ()210()
Trade Name: Centurion, Turbo Centurion
Aircraft T.C./STC: SA02821CH
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068*4
 F8068B*2
Prop Diameter: 82.0" TO 78.0"

IDS No.: 3010 **Rev.:** **Date:** 6/7/2010
Modifier: Hartzell Propeller
Engine: IO-550-L
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Eligible on John Jewell Aircraft STC's
 SA00274AT,
 SA03141AT,
 Atlantic Aero STC
 SA3104SO, and Texas Skyways STC
 SA09952SC. Airframe De-ice Kit
 103307 (T)210L s/n 21059503 thru
 21061141. Airframe De-ice kit 103308
 (T)210L, M, N s/n 21061142 and up.

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.2

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00551	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00551KD	HC-J3YF-1RF/F8068[*4]/SM44	1	A/C	
PROPELLER	J3F00602	HC-J3YF-1RF/F8068B[*2]/SM44	1	A/C	
PROPELLER	J3F00602KD	HC-J3YF-1RF/F8068B[*2]/SM44	1	A/C	
BLADE	F8068*4	PCP:BLADE UNIT, ALUM [6,16,5]	3	Prop	
BLADE	F8068B*2	PCP:BLADE UNIT, ALUM 103258	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5732	IDS Item			Eligible STC SA09952SC only
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	Prop	Eligible STC SA09952SC only
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	Use with D-5732-(P) only
DE-ICER	103258	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	103262	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	103307	AIRFRAME DE-ICE KIT	1	A/C	See Notes
DE-ICE KIT_A/F	103308	AIRFRAME DE-ICE KIT	1	A/C	See Notes
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 210, A, B, C, 5, 5A
Trade Name: CENTURION
Aircraft T.C./STC: 3A21
Propeller Model: HC-82XF-1, HCA2XF-1, HC-82XF-1A, HC-A2XF-1A
Propeller T.C.: P24EA
Blade Model(s): 8433-2
Prop Diameter: 82.3" TO 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +- 0.2

Non-HPI Items:

Non-HPI Spinner: CESSNA

IDS No.: 2154 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-470-E, -S
Power: 260 HP @ 2625 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 MIN
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-2	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

CESSNA

Model: 210, A, B, C, 5, 5A
Trade Name: CENTURION
Aircraft T.C./STC: 3A21
Propeller Model: HC-82VF-1, HC-A2VF-1, HC-82VF-1A, HC-A2VF-1A
Propeller T.C.: P24EA
Blade Model(s): V8433-2
V8433N-2
Prop Diameter: 82.3" TO 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +- 0.2

Non-HPI Items:

Non-HPI Spinner: CESSNA

IDS No.: 2156 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-470-E, -S
Power: 260 HP @ 2625 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 MIN
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-2	BLADE	2	Prop	
BLADE	V8433N-2	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CESSNA

Model: 210, A, B, C, 5, 5A
Trade Name: CENTURION
Aircraft T.C./STC: 3A21
Propeller Model: HC-A2MVF-1A
Propeller T.C.: P24EA
Blade Model(s): MV8433N-2
Prop Diameter: 82.3" TO 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +- 0.2

Non-HPI Items:

Non-HPI Spinner: CESSNA

IDS No.: 403 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: IO-470-E, -S
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 MIN
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A2F10019	HC-A2MVF-1A/MV8433N-2	1	A/C	
BLADE	MV8433N-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

CESSNA

Model: 210, A,B,C,-5,-5A
Trade Name: CENTURION
Aircraft T.C./STC: SA02246CH-D
Propeller Model: HC-C2YF-1BF
Propeller T.C.: P-920
Blade Model(s): F8468A-2*1
Prop Diameter: 82

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2525 **Rev.:** **Date:** 3/24/2006

Modifier: HARTZELL PROPELLER
Engine: IO-470-E,-S
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes: Governor change required if replacing Hartzell steel-hub Propeller

Startlock Angle:
Feather/High Angle: 28.0 +-1.0
Cwt Angle:

Non-HPI Governor: McCauley or Woodward/Ontic

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2F00355	HC-C2YF-1BF/F8468A-2[*1]/SM16	1	A/C	
PROPELLER	C2F00355STP	C2F00355/SM16/C-3568-P	1	A/C	
BLADE	F8468A-2*1	PCP:BLADE UNIT, ALUM [6,1,1]	2	Prop	
SPINNER	C-3568	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 210D
Trade Name: CENTURION
Aircraft T.C./STC: SA09952SC
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068-2
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

IDS No.: 2431 **Rev.:** 1 **Date:** 10/7/2010
Modifier: TEXAS SKYWAYS
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00037	PHC-C3YF-1RF/F8068-2/SM25	1	A/C	
PROPELLER	C3F00037KD	PHC-C3YF-1RF/F8068-2/SM25	1	A/C	
BLADE	F8068-2	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

CESSNA

Model: 210-D
Trade Name: CENTURION
Aircraft T.C./STC: SA09952SC
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068
Prop Diameter: 82"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

IDS No.: 2434 **Rev.:** 1 **Date:** 10/7/2010
Modifier: TEXAS SKYWAYS
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00002	PHC-C3YF-1RF/F8068/SM7	1	A/C	
PROPELLER	C3F00002KD	PHC-C3YF-1RF/F8068/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: 210E,F,G,H
Trade Name: CENTURION
Aircraft T.C./STC: SA09952SC
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068
Prop Diameter: 82"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

IDS No.: 2435 **Rev.:** **Date:** 7/7/2004
Modifier: TEXAS SKYWAYS
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F10690	PHC-J3YF-1RF/F8068/SM9	1	A/C	
PROPELLER	J3F10690KD	PHC-J3YF-1RF/F8068/SM9	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 210E,F,G,H
Trade Name: CENTURION
Aircraft T.C./STC: SA09952SC
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068-2
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

IDS No.: 2432 **Rev.:** **Date:** 7/7/2004
Modifier: TEXAS SKYWAYS
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F10700	PHC-J3YF-1RF/F8068-2/SM9	1	A/C	
PROPELLER	J3F10700KD	PHC-J3YF-1RF/F8068-2/SM9	1	A/C	
BLADE	F8068-2	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 210F-J
Trade Name: CENTURION
Aircraft T.C./STC: SA02319CH-D
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691+2
Prop Diameter: 80-78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 15.3 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2576 **Rev.:** **Date:** 10/31/2006
Modifier: HARTZELL PROPELLER
Engine: IO-520-A, -J
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00200	HC-J3YF-1RF/F7691+2/SM44	1	A/C	
PROPELLER	J3F00200KD	HC-J3YF-1RF/F7691+2/SM44	1	A/C	
PROPELLER	J3F00200SKDTP	J3F00200/SM44/C-4582-P	1	A/C	
PROPELLER	J3F00200STP	J3F00200/SM44/C-4582-P	1	A/C	
BLADE	F7691+2	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 210-J,K,L,M,N,R
Trade Name: CENTURION
Aircraft T.C./STC: SA09952SC
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068-2
Prop Diameter: 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2437 **Rev.:** **Date:** 7/7/2004
Modifier: TEXAS SKYWAYS
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F10700	PHC-J3YF-1RF/F8068-2/SM9	1	A/C	
PROPELLER	J3F10700KD	PHC-J3YF-1RF/F8068-2/SM9	1	A/C	
BLADE	F8068-2	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 210-J,K,L,M,N,R
Trade Name: CENTURION
Aircraft T.C./STC: SA09952SC
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068
Prop Diameter: 82"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

IDS No.: 2436 **Rev.:** **Date:** 7/7/2004

Modifier: TEXAS SKYWAYS
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F10690	PHC-J3YF-1RF/F8068/SM9	1	A/C	
PROPELLER	J3F10690KD	PHC-J3YF-1RF/F8068/SM9	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 210(F,G,H,J,K,L,M,N) (T210(F,G,H,J,K,L))
Trade Name: CENTURION
Aircraft T.C./STC: STC-SA00773AT
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691
F7691*1
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

IDS No.: 1174 **Rev.:** 2 **Date:** 10/23/2012

Modifier: HARTZELL PROPELLER
Engine: IO-520-(A,J,L) TSIO-520-(C,H)
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00020	PHC-J3YF-1RF/F7691/SM9	1	A/C	
PROPELLER	J3F00020KD	PHC-J3YF-1RF/F7691/SM9	1	A/C	
PROPELLER	J3F00020SKDTP	J3F00020/SM9/C-4582-P	1	A/C	
PROPELLER	J3F00020STP	J3F00020/SM9/C-4582-P	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F7691*1	PCP:BLADE UNIT, ALUM [3,1,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 210(K-N)
Trade Name: CENTURION
Aircraft T.C./STC: STC-SA00553AT
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.4 +-0.2

IDS No.: 1141 **Rev.:** 1 **Date:** 12/7/2010
Modifier: JOHN JEWELL AVIATION
Engine: IO-520-L
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00014	PHC-J3YF-1RF/F8468A-6R/SM7	1	A/C	
PROPELLER	J3F00014KD	PHC-J3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 210(K-N)
Trade Name: CENTURION
Aircraft T.C./STC: STC-SA00553AT
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

IDS No.: 1117 **Rev.:** **Date:** 11/19/1997
Modifier: JOHN JEWELL AVIATION
Engine: IO-520-L
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 210(K-N)
Trade Name: CENTURION
Aircraft T.C./STC: SA00553AT
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

IDS No.: 1879 **Rev.:** **Date:** 2/16/2005
Modifier: JOHN JEWELL AIRCRAFT, INC.
Engine: IO-520-L
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00032	PHC-J3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 210(K-N)
Trade Name: CENTURION
Aircraft T.C./STC: STC-SA00274AT
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

IDS No.: 1123 **Rev.:** **Date:** 2/16/2005
Modifier: JOHN JEWELL AIRCRAFT, INC.
Engine: IO-550-L
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00022	PHC-J3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: P210N
Trade Name: CENTURION
Aircraft T.C./STC: STC-SA2568NM
Propeller Model: HC-F4YR-1
Propeller T.C.: P53GL

Blade Model(s): F7663DB-6Q
Prop Diameter: 73.75"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.2 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 404 **Rev.:** **Date:** 11/20/2006

Modifier: JAVELIN CONVERSIONS

Engine: TIO-540-V2AD

Power: 350 HP @ 2600 RPM

Placard/Restr: Continuous ground operation is prohibited between 2000 and 2400 RPM.

Notes: STC specifies invalid prop model (HC-F4YR-1RF); Deice is "Boots Only". STC owner will not support needed kit updates.

Startlock Angle: NA

Feather/High Angle: 34.0 +-1.0

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F4R00010	HC-F4YR-1/F7663DB-6Q	1	A/C	
BLADE	F7663DB-6Q	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-4511-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-20	SPINNER - MTG KIT	1	Prop	Non de-iced
DE-ICER	4H1188-4	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-4
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: P210N
Trade Name: PRESSURIZED CENTURION
Aircraft T.C./STC: STC-SA1003NE
Propeller Model: HC-B3TF-7A
Propeller T.C.: P15EA
Blade Model(s): T9212K-2*1
 T9212N-2
 T9212NK-2*1
Prop Diameter: 90.0" TO 88.0"

IDS No.: 407 **Rev.:** 1 **Date:** 1/7/2011
Modifier: O&N AIRCRAFT MOD. INC.
Engine: 250-B17F
Power: 450 HP @ 2030 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: NA

Startlock Angle: NA
Feather/High Angle: 86.2 +-0.5
Cwt Angle: 1.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3F10080S	HC-B3TF-7A/T9212N-2/835-39EP	1	A/C	
PROPELLER	B3F10090	HC-B3TF-7A/T9212NK-2[*1]	1	A/C	
PROPELLER	B3F10090S	HC-B3TF-7A/T9212NK-2[*1]	1	A/C	
BLADE	T9212K-2*1	IDS*ITEM, BLADE,4E3048-10 BOOT	3	Prop	
BLADE	T9212N-2	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T9212NK-2*1	T9212N-2 BLADE,4H3048-10 BOOT	3	Prop	
SPINNER	835-39EP	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3491	SPINNER - MTG KIT	1	Prop	
SP_MT_KIT_DE-ICE	B-3384-23	BOLT, 1/4-28, HEX HEAD	6	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	6	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	18	Prop	
SP_MT_KIT_DE-ICE	B-3837-0463	WASHER, CORROSION RESISTANT	12	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H3048-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3048-10
DE-ICE KIT_PR	7931-67-830-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-67-830-2	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	
MISC ACCES	C-3630-2	PCP:BETA VALVE - ASSEMBLY	1	Prop	

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CESSNA

Model: T210F-L
Trade Name: TURBO CENTURION
Aircraft T.C./STC: SA02319CH-D
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691+2
Prop Diameter: 80-78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.3 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2552 **Rev.:** **Date:** 8/31/2007
Modifier: HARTZELL PROPELLER
Engine: TSIO-520-C, -H
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00200	HC-J3YF-1RF/F7691+2/SM44	1	A/C	
PROPELLER	J3F00200KD	HC-J3YF-1RF/F7691+2/SM44	1	A/C	
PROPELLER	J3F00200SKDTP	J3F00200/SM44/C-4582-P	1	A/C	
PROPELLER	J3F00200STP	J3F00200/SM44/C-4582-P	1	A/C	
BLADE	F7691+2	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: T210
Trade Name: TURBO CENTURION
Aircraft T.C./STC: STC-SA2689SW
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7663-2Q
Prop Diameter: 76" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.2 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 405 **Rev.:** **Date:** 10/2/1992
Modifier: RAM AIRCRAFT CORP.
Engine: TSIO-520-R,-C,-H,-M,-P (2600/285)
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7663-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	

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CESSNA

Model: TU206(A-F), TP206(A-E), T210(F-K)
Trade Name: SUPER SKYWAGON, TURBO CENTURION
Aircraft T.C./STC: SA10615SC
Propeller Model: **PHC-J3YF-1RF**
Propeller T.C.: P36EA
Blade Model(s): F7693F+2
F7693FB+2
Prop Diameter: 80-78

IDS No.: 2553 **Rev.:** **Date:** 10/14/2009
Modifier: RAM AIRCRAFT CORP.
Engine: TSIO-520-R
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes: -3 de-ice kit is same as -1 with boots added for field installation. De-ice installation is for 14V aircraft with airframe de-ice components approved in Cessna parts catalog for eligible model model numbers only.

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 14.0 +-0.2

Startlock Angle:
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F09050	PHC-J3YF-1RF/F7693F+2/SM9	1	A/C	
PROPELLER	J3F09050KD	PHC-J3YF-1RF/F7693F+2/SM9	1	A/C	
PROPELLER	J3F09060	PHC-J3YF-1RF/F7693FB+2/SM9	1	A/C	
PROPELLER	J3F09060S	PHC-J3YF-1RF/F7693FB+2/4582-1P	1	A/C	
BLADE	F7693F+2	PCP:BLADE UNIT, ALUM [6,15,11]	3	Prop	
BLADE	F7693FB+2	PCP:BLADE UNIT, ALUM 101773-1	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
DE-ICER	101773-1	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	101820-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	101820-3	DE-ICE KIT, ONE PROP, W/ DE-ICER	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 210(K,L,M,N); T210(K,L,M,N)
Trade Name: CENTURION
Aircraft T.C./STC: STC-SA02029AT-D
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691
Prop Diameter: 78" TO 77"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

IDS No.: 1760 **Rev.:** 1 **Date:** 3/2/2012
Modifier: ATLANTIC AERO
Engine: IO-550-P
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00023	PHC-J3YF-1RF/F7691/SM36	1	A/C	
PROPELLER	J3F00023KD	PHC-J3YF-1RF/F7691/SM36	1	A/C	
PROPELLER	J3F07700	PHC-J3YF-1RF/F7691/SM44	1	A/C	
PROPELLER	J3F07700KD	PHC-J3YF-1RF/F7691/SM44	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	Optional Spinner
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	Optional Spinner
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	Use w/A-2295-1(P) only
SPIN MTG KIT	A-2476-36	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	Opt w/C-4582(P) only: for adj.
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 210(K,L,M,N); T210(K,L,M,N)
Trade Name: CENTURION
Aircraft T.C./STC: STC-SA3104SO
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.4 +-0.2

IDS No.: 1264 **Rev.:** **Date:** 11/21/2001
Modifier: AERO MOD.& CONS.,LLC(ATLANTIC AERO)
Engine: IO-550L
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00021	PHC-J3YF-1RF/F7691/SM36	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-36	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: T210(M,N)
Trade Name: TURBO CENTURION
Aircraft T.C./STC: STC-SA4111SW
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7663-2Q
 F7663D-2Q
Prop Diameter: 76"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 15.2 +-0.1

IDS No.: 406 **Rev.:** **Date:** 10/18/2002
Modifier: RAM AIRCRAFT CORP.
Engine: TSIO-520-M, -R
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes: TSIO-520-M engine can apply to T210G, H, or J aircraft models per STC SA2689SW.

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD G210452

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00004	PHC-J3YF-1RF/F7663D-2Q/SM25	1	A/C	
PROPELLER	J3F00004KD	PHC-J3YF-1RF/F7663D-2Q/SM25	1	A/C	
BLADE	F7663-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F7663D-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4582	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 305A
Trade Name: O-1A Bird Dog
Aircraft T.C./STC: SA1201SW
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
 F8468A-6R*2
Prop Diameter: 80" to 76"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.7 +-0.2

IDS No.: 2768 **Rev.:** **Date:** 12/21/2009
Modifier: Stephen Noyes
Engine: O-540-A4B5
Power: 250 HP @ 2575 RPM
Placard/Restr: None
Notes:

Startlock Angle:
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00075	HC-C3YR-1RF/F8468A-6R	1	A/C	
PROPELLER	C3R00076	HC-C3YR-1RF/F8468A-6R[*2]	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-6R*2	PCP:BLADE UNIT, ALUM [3,5,1]	3	Prop	
SPINNER	835-52	IDS Item	1	Prop	
SPINNER	835-52P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	S-1-36	GOVERNOR ASSEMBLY, S-1-36	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 310
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-83VK-2B, HC-A3VK-2B
Propeller T.C.: P6EA
Blade Model(s): V7636DB
V7636NB
Prop Diameter: 76" MIN.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.75 +-0.25

IDS No.: 2163 **Rev.:** 1 **Date:** 1/7/2011
Modifier: RILEY AIRCRAFT
Engine: IO-540-A1B5, -B1A5, -B1B5
Power: 260 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636DB	BLADE	3	Prop	
BLADE	V7636NB	BLADE UNIT, ALUMINUM, 4E1188-3	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-5A	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	3	Prop	

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CESSNA

Model: 310()
Trade Name:
Aircraft T.C./STC: STC-SA234CH
Propeller Model: PHC-J3YF-2UF
Propeller T.C.: P36EA
Blade Model(s): FC7663D-2R
 FC7663D-2R*1
 FC7663DB-2R
 FC7663DB-2R*1

Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 1144 **Rev.:** 3 **Date:** 3/14/2011
Modifier: HARTZELL PROPELLER
Engine: IO-470-U, -V, -VO
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: 17.5 +-1.5
Feather/High Angle: 80.1 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00072	PHC-J3YF-2UF/FC7663D-2R/SM9	2	A/C	
PROPELLER	J3F00072KD	PHC-J3YF-2UF/FC7663D-2R/SM9	2	A/C	
PROPELLER	J3F00072SKDTP	J3F00072/SM9/C-4558-2P/TWIN	1	A/C	
PROPELLER	J3F00072STP	J3F00072/SM9/C-4558-2P/TWIN	1	A/C	
PROPELLER	J3F00075	PHC-J3YF-2UF/FC7663DB-2R/SM9	2	A/C	
PROPELLER	J3F00075KD	PHC-J3YF-2UF/FC7663DB-2R/SM9	2	A/C	
PROPELLER	J3F00075SKDTP	J3F00075/SM9/C-4558-2P/TWIN	1	A/C	
PROPELLER	J3F00075STP	J3F00075/SM9/C-4558-2P/TWIN	1	A/C	
BLADE	FC7663D-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7663D-2R*1	IDS ITEM, BLADE, [3,1,1]	3	Prop	
BLADE	FC7663DB-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7663DB-2R*1	IDS ITEM, BLADE, [3,1,1]	3	Prop	
SPINNER	C-4558-2P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4558-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-14	DE-ICE BOOT	1	Blade	Supersedes 4H1601-10 & 7931-4E1601-10.
DE-ICE KIT_PR	7931-65-600-4	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-65-600-5	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 310(I,P,Q,R); T310(P,Q,R)

Trade Name:

Aircraft T.C./STC: STC-SA234CH

Propeller Model: PHC-C3YF-2UF

Propeller T.C.: P25EA

Blade Model(s): FC7663D-2R
FC7663DB-2R
FC7663DB-2R*1

Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.0 +0.2

IDS No.: 1143

Rev.: 3

Date: 3/14/2011

Modifier: HARTZELL PROPELLER

Engine: IO-470-U, -VO; IO-520-M(B) [TSIO-520-B(B), T310(P-R)]

Power: 260 HP @ 2625 RPM

Placard/Restr:

Notes:

Startlock Angle: 17.5 +-1.5

Feather/High Angle: 80.1 +-0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00195	PHC-C3YF-2UF/FC7663D-2R/SM9	2	A/C	
PROPELLER	C3F00195KD	PHC-C3YF-2UF/FC7663D-2R/SM9	2	A/C	
PROPELLER	C3F00195SKDTP	C3F00195/SM9/C-4558-2P/TWIN	1	A/C	
PROPELLER	C3F00195STP	C3F00195/SM9/C-4558-2P/TWIN	1	A/C	
PROPELLER	C3F00198	PHC-C3YF-2UF/FC7663DB-2R/SM9	2	A/C	
PROPELLER	C3F00198KD	PHC-C3YF-2UF/FC7663DB-2R/SM9	2	A/C	
PROPELLER	C3F00198SKDTP	C3F00198/SM9/C-4558-2P/TWIN	1	A/C	
PROPELLER	C3F00198SKDTP*1	C3F00198/SM9/C-4558-2P/TWIN	1	A/C	
PROPELLER	C3F00198STP	C3F00198/SM9/C-4558-2P/TWIN	1	A/C	
PROPELLER	C3F00198STP*1	C3F00198/SM9/C-4558-2P/TWIN	1	A/C	
BLADE	FC7663D-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7663DB-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7663DB-2R*1	IDS ITEM, BLADE, [3,1,1]	3	Prop	
SPINNER	C-4558-2	SPINNER ASSEMBLY	2	A/C	
SPINNER	C-4558-2P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4558-3	SPINNER ASSEMBLY	2	A/C	
SPINNER	C-4558-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-14	DE-ICE BOOT	1	Blade	Supersedes 4H1601-10 & 7931-4E1601-10.
DE-ICE KIT_PR	7931-65-600-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-65-600-2	AIRFRAME DE-ICE KIT	1	A/C	
DE-ICE KIT_A/F	7931-65-600-5	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-2 Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-12 Hub Only

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CESSNA

Model: 310, 310A, 310B
Trade Name:
Aircraft T.C./STC: 3A10
Propeller Model: HC-82XF-2, HC-A2XF-2
Propeller T.C.: P24EA
Blade Model(s): 8433
8433-2
8433-4
Prop Diameter: 84.2" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.5

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2155 **Rev.:** **Date:** 11/21/2003
Modifier:
Engine: O-470-B, -M
Power: 240 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: 22.0 +-0.5
Feather/High Angle: 82.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD, MCCAULEY

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	
BLADE	8433-2	BLADE	2	Prop	
BLADE	8433-4	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CESSNA

Model: 310, 310A, 310B
Trade Name:
Aircraft T.C./STC: 3A10
Propeller Model: HC-82VF-2, HC-A2VF-2
Propeller T.C.: P24EA
Blade Model(s): V8433
V8433-2
V8433-2R
V8433-4
V8433-4R
V8433N
V8433N-2
V8433N-2R
V8433N-4
V8433N-4R

Prop Diameter: 84.2" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +0.5

IDS No.: 2157 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: O-470-B, -M
Power: 240 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: 22.0 +-0.5
Feather/High Angle: 82.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD, MCCAULEY

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433-2	BLADE	2	Prop	
BLADE	V8433-2R	BLADE	2	Prop	
BLADE	V8433-4	BLADE	2	Prop	
BLADE	V8433-4R	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	
BLADE	V8433N-2	BLADE	2	Prop	
BLADE	V8433N-2R	BLADE	2	Prop	
BLADE	V8433N-4	BLADE	2	Prop	
BLADE	V8433N-4R	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT, MOUNTING, 1/2-20, 12 POINT	6	Prop	

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CESSNA

Model: 310, 310A, 310B

Trade Name:

Aircraft T.C./STC: 3A10

Propeller Model: HC-A2MVF-2

Propeller T.C.: P24EA

Blade Model(s): MV8433N

MV8433N-2

MV8433N-2R

MV8433N-4

MV8433N-4R

Prop Diameter: 84.2" TO 78"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.5 +-0.5

IDS No.: 411

Rev.: 1

Date: 1/7/2011

Modifier:

Engine: O-470-B, -M

Power: 240 HP @ 2600 RPM

Placard/Restr:

Notes:

Startlock Angle: 22.0 +-0.5

Feather/High Angle: 82.0 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD, MCCAULEY

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A2F10160	HC-A2MVF-2/MV8433N-4	2	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	MV8433N-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	MV8433N-2R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	MV8433N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	MV8433N-4R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CESSNA

Model: 310, 310A, 310B
Trade Name:
Aircraft T.C./STC: STC-SA00799CH
Propeller Model: HC-C2YF-2CUF
Propeller T.C.: P-920
Blade Model(s): FC8468-3
 FC8468-3*1
 FC8468B-3
 FC8468B-3*1

Prop Diameter: 81.0" TO 80.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +0.2

IDS No.: 1389 **Rev.:** **Date:** 9/29/2004
Modifier: HARTZELL PROPELLER
Engine: O-470-M
Power: 240 HP @ 2600 RPM
Placard/Restr:
Notes: Check for balance weight/travel tube interference during assembly on props with alcohol de-ice.

Startlock Angle: 18.0 +-1.5
Feather/High Angle: 82.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD, MCCAULEY

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2F00416	HC-C2YF-2CUF/FC8468-3/SM8	2	A/C	
PROPELLER	C2F00416STP	C2F00416/SM8/C-2285-4P/TWIN	2	A/C	
PROPELLER	C2F00417	HC-C2YF-2CUF/FC8468B-3/SM8	2	A/C	
PROPELLER	C2F00417STP	C2F00417/SM8/C-2285-4P/TWIN	2	A/C	
BLADE	FC8468-3	PCP:BLADE UNIT, B-3202H-5 CWT	2	Prop	
BLADE	FC8468-3*1	IDS ITEM [3,1,1] B-3202H-5 CWT	2	Prop	
BLADE	FC8468B-3	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FC8468B-3*1	IDS ITEM, C-2131-6, B-3202H-5	2	Prop	
SPINNER	C-2285-4	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-4P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	C-2131-6	BOOT, ANTI-ICING	1	Blade	Blade Component
DE-ICE KIT_PR	A-2374-1	ANTI-ICING - KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 310, 310(B,C,D,E,F)
Trade Name:
Aircraft T.C./STC: STC-SA212SO
Propeller Model: HC-A3XK-2B
Propeller T.C.: P913
Blade Model(s): 7636D
Prop Diameter: 76"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

IDS No.: 2372 **Rev.:** **Date:** 12/18/2003
Modifier: RILEY AIRCRAFT
Engine: IO-540-A1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	7636D	BLADE	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-4	IDS Item	1	Prop	

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CESSNA

Model: 310, 310(B,C,D,E,F)
Trade Name:
Aircraft T.C./STC: STC-SA212SO
Propeller Model: HC-A3VK-2B
Propeller T.C.: P6EA
Blade Model(s): V7636DB
Prop Diameter: 76"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V7636DB	BLADE	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-4	IDS Item	1	Prop	

IDS No.: 2373 **Rev.:** **Date:** 12/18/2003
Modifier: RILEY AIRCRAFT
Engine: IO-540-A1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: 310, 310B, 310G
Trade Name:
Aircraft T.C./STC: STC-SA212SO
Propeller Model: HC-A3XK-2B
Propeller T.C.: P6EA
Blade Model(s): 7636D
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.75 +-0.25

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	7636D	BLADE	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	3	Prop	

IDS No.: 2160 **Rev.:** 1 **Date:** 1/7/2011
Modifier: RILEY AIRCRAFT
Engine: IO-540-A1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

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CESSNA

Model: 310, 310B, 310G
Trade Name:
Aircraft T.C./STC: STC-SA212SO
Propeller Model: HC-A3VK-2B
Propeller T.C.: P6EA
Blade Model(s): V7636
 V7636DB
 V7636N
 V7636NB

Prop Diameter: 76.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.75 +-0.25

IDS No.: 2161 **Rev.:** 1 **Date:** 1/7/2011
Modifier: RILEY AIRCRAFT
Engine: IO-540-A1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636	IDS ITEM	3	Prop	
BLADE	V7636DB	BLADE	3	Prop	
BLADE	V7636N	BLADE	3	Prop	
BLADE	V7636NB	BLADE UNIT, ALUMINUM, 4E1188-3	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	3	Prop	

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CESSNA

Model: 310, 310B, 310G
Trade Name:
Aircraft T.C./STC: STC-SA212SO
Propeller Model: HC-A3MVK-2B
Propeller T.C.: P6EA
Blade Model(s): MV7636N
MV7636NB
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.75 +-0.25

IDS No.: 414 **Rev.:** 1 **Date:** 1/7/2011
Modifier: RILEY AIRCRAFT
Engine: IO-540-A1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	MV7636NB	PCP:BLADE UNIT, ALUM, 4H1188-3	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

CESSNA

Model: 310(C-H), E310H
Trade Name:
Aircraft T.C./STC: 3A10
Propeller Model: HC-A2XF-2B
Propeller T.C.: P908
Blade Model(s): 8433
Prop Diameter: 84.2" TO 78"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

IDS No.: 2370 **Rev.:** **Date:** 12/18/2003
Modifier:
Engine: IO-470-D
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD; MCCAULEY

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

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CESSNA

Model: 310C, D, E, F, G, H, E310H
Trade Name:
Aircraft T.C./STC: 3A10
Propeller Model: HC-82XF-2B, HC-A2XF-2B
Propeller T.C.: P24EA
Blade Model(s): 8433
Prop Diameter: 84.2" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2158 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-470-D
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: 22.0 +-1.5
Feather/High Angle: 82.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD, MCCAULEY

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

CESSNA

Model: 310(C-H), E310H
Trade Name:
Aircraft T.C./STC: 3A10
Propeller Model: HC-A2VF-2B
Propeller T.C.: P24EA
Blade Model(s): V8433
Prop Diameter: 84.2" TO 78"

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2371 **Rev.:** **Date:** 12/18/2003

Modifier:
Engine: IO-470-D
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor: WOODWARD; MCCAULEY

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

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CESSNA

Model: 310C, D, E, F, G, H, E310H
Trade Name:
Aircraft T.C./STC: 3A10
Propeller Model: HC-82VF-2B, HC-A2VF-2B
Propeller T.C.: P24EA
Blade Model(s): V8433
V8433N
Prop Diameter: 84.2" TO 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2159 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-470-D
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: 22.0 +-1.5
Feather/High Angle: 82.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD, MCCAULEY

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

CESSNA

Model: 310C, D, E, F, G, H, E310H
Trade Name:
Aircraft T.C./STC: 3A10
Propeller Model: HC-A2MVF-2
Propeller T.C.: P24EA
Blade Model(s): MV8433N
Prop Diameter: 84.2" TO 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 412 **Rev.:** **Date:** 5/14/1998

Modifier:
Engine: IO-470-D
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: 22.0 +-1.5
Feather/High Angle: 82.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD, MCCAULEY

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

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CESSNA

Model: 310(C,D,E,F,G,H), E310H

Trade Name:

Aircraft T.C./STC: STC-SA00799CH

Propeller Model: HC-C2YF-2CUF

Propeller T.C.: P-920

Blade Model(s): FC8468-3
FC8468-3*1
FC8468B-3
FC8468B-3*1

Prop Diameter: 81.0" TO 80.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 13.5 +-0.2

IDS No.: 1390

Rev.:

Date: 9/29/2004

Modifier: HARTZELL PROPELLER

Engine: IO-470-D

Power: 260 HP @ 2625 RPM

Placard/Restr:

Notes: Check for balance weight/travel tube interference during assembly on props with alcohol de-ice.

Startlock Angle: 19.0 +-1.5

Feather/High Angle: 82.0 +-0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD, MCCAULEY

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00418	HC-C2YF-2CUF/FC8468-3/SM8	2	A/C	
PROPELLER	C2F00418STP	C2F00418/SM8/C-2285-4P/TWIN	2	A/C	
PROPELLER	C2F00419	HC-C2YF-2CUF/FC8468B-3/SM8	2	A/C	
PROPELLER	C2F00419STP	C2F00419/SM8/C-2285-4P/TWIN	2	A/C	
BLADE	FC8468-3	PCP:BLADE UNIT, B-3202H-5 CWT	2	Prop	
BLADE	FC8468-3*1	IDS ITEM [3,1,1] B-3202H-5 CWT	2	Prop	
BLADE	FC8468B-3	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FC8468B-3*1	IDS ITEM, C-2131-6, B-3202H-5	2	Prop	
SPINNER	C-2285-4	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-4P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	C-2131-6	BOOT, ANTI-ICING	1	Blade	Blade Component
DE-ICE KIT_PR	A-2374-1	ANTI-ICING - KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 310L, 310N, 310P, 310Q

Trade Name:

Aircraft T.C./STC: STC-SA2082WE

Propeller Model: HC-E3YR-2ATF

Propeller T.C.:

Blade Model(s): FC8468-6R

Prop Diameter: 80"

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle:

IDS No.: 413

Rev.:

Date: 10/2/1992

Modifier: O. S. WYATT, JR.

Engine: TIO-540-A2B

Power: 310 HP @ 2575 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8468-6R	PCP:BLADE,UNIT, ALUM B-3202H-2	3	Prop	
SPINNER	D-3273	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: T310 P, Q, R

Trade Name:

Aircraft T.C./STC: STC SA09971SC

Propeller Model: PHC-C3YF-2UF

Propeller T.C.: P25EA

Blade Model(s): FC7693DF
FC7693DFB

Prop Diameter: 78" to 76"

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle: 13.0 +-0.1

IDS No.: 1942

Rev.: 2

Date: 1/24/2012

Modifier: RAM AIRCRAFT

Engine: TSIO-520-(B, E, N)(B)

Power: 325 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: 18.0 +-1.5

Feather/High Angle: 81.1 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00260	PHC-C3YF-2UF/FC7693DF/SM23	2	A/C	
PROPELLER	C3F00260KD	PHC-C3YF-2UF/FC7693DF/SM23	2	A/C	
PROPELLER	C3F00270	PHC-C3YF-2UF/FC7693DFB/SM23	2	A/C	
PROPELLER	C3F00270KD	PHC-C3YF-2UF/FC7693DFB/SM23	2	A/C	
BLADE	FC7693DF	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	FC7693DFB	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-7267-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-14	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-14
DE-ICE KIT_PR	7931-5E2748-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-2 Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-12 Hub Only

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CESSNA

Model: T310P,Q,R
Trade Name:
Aircraft T.C./STC: STC-SA4011SW
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7663D-2Q
 FC7663DB-2Q*1
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.5

IDS No.: 415 **Rev.:** **Date:** 10/31/2006
Modifier: RAM AIRCRAFT CORP.
Engine: TSIO-520-NB
Power: 325 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 19.5 +-1.5
Feather/High Angle: 84.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC7663D-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7663DB-2Q*1	IDS ITEM, BLADE, BOOT LOC TBD	3	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-10
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 320, 320-1
Trade Name: SKYKNIGHT
Aircraft T.C./STC: STC-SA285SO
Propeller Model: HC-83XK-2B, HC-A3XK-2B
Propeller T.C.: P6EA
Blade Model(s): 7636D
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.75 +-0.25

IDS No.: 2166 **Rev.:** **Date:** 11/21/2003
Modifier: RILEY AIRCRAFT
Engine: IO-540-A1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	7636D	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	3	Prop	

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CESSNA

Model: 320, 320-1
Trade Name: SKYKNIGHT
Aircraft T.C./STC: STC-SA285SO
Propeller Model: HC-A3VK-2B
Propeller T.C.: P6EA
Blade Model(s): V7636
V7636N
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.75 +-0.25

IDS No.: 2314 **Rev.:**
Modifier: RILEY AIRCRAFT
Engine: IO-540-A1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Date: 11/24/2003

Startlock Angle: NA
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V7636	IDS ITEM	3	Prop	
BLADE	V7636N	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	3	Prop	

CESSNA

Model: 320, 320-1
Trade Name: SKYKNIGHT
Aircraft T.C./STC: STC-SA285SO
Propeller Model: HC-A3MVK-2B
Propeller T.C.: P6EA
Blade Model(s): MV7636N
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.75 +-0.25

IDS No.: 423 **Rev.:** 1
Modifier: RILEY AIRCRAFT
Engine: IO-540-A1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Date: 1/7/2011

Startlock Angle: NA
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A3K10110	HC-A3MVK-2B/MV7636N	2	A/C	
BLADE	MV7636N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	3	Prop	

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CESSNA

Model: 320, 320-1, 320A, 320B
Trade Name: SKYKNIGHT
Aircraft T.C./STC: 3A25
Propeller Model: HC-82XF-2, HC-A2XF-2
Propeller T.C.: P24EA

Blade Model(s): 8433-4
Prop Diameter: 80.3" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0+-0.2

Non-HPI Items:

Non-HPI Spinner: CESSNA

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433-4	BLADE	2	Prop	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

IDS No.: 2164 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: TSIO-470-B, -C
Power: 260 HP @ 2600 RPM
Placard/Restr: Propeller centerline must be positioned 60 degrees advance from no. 1 throw.

Notes:

Startlock Angle: 22.0+-1.5
Feather/High Angle: 84.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor: WOODWARD, MCCAULEY

CESSNA

Model: 320, 320-1, 320A, 320B
Trade Name: SKYKNIGHT
Aircraft T.C./STC: 3A25
Propeller Model: HC-82VF-2, HC-A2VF-2
Propeller T.C.: P24EA

Blade Model(s): V8433-4
V8433B-4
V8433N-4

Prop Diameter: 80.3" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0+-0.2

Non-HPI Items:

Non-HPI Spinner: CESSNA

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433-4	BLADE	2	Prop	
BLADE	V8433B-4	BLADE	2	Prop	
BLADE	V8433N-4	BLADE	2	Prop	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

IDS No.: 2165 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: TSIO-470-B, -C
Power: 260 HP @ 2600 RPM
Placard/Restr: Propeller centerline must be positioned 60 degrees advance of no. 1 throw.

Notes:

Startlock Angle: 22.0+-1.5
Feather/High Angle: 84.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor: WOODWARD, MCCAULEY

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CESSNA

Model: 320, 320-1, 320A, 320B
Trade Name: SKYKNIGHT
Aircraft T.C./STC: 3A25
Propeller Model: HC-A2MVF-2
Propeller T.C.: P24EA
Blade Model(s): MV8433N-4
 MV8433N-4*1
 MV8433NB-4
Prop Diameter: 80.3" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0+-0.2

IDS No.: 420 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: TSIO-470-B, -C
Power: 260 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: 22.0+-1.5
Feather/High Angle: 84.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: CESSNA

Non-HPI Governor: WOODWARD, MCCAULEY

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A2F10157	HC-A2MVF-2/MV8433NB-4	2	A/C	
PROPELLER	A2F10158	HC-A2MVF-2/MV8433N-4	2	A/C	
PROPELLER	A2F10161	HC-A2MVF-2/MV8433N-4[*1]	2	A/C	
BLADE	MV8433N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	MV8433N-4*1	PCP:BLADE UNIT, ALUM [3,1,1]	2	Prop	
BLADE	MV8433NB-4	BLADE UNIT, ALUMINUM	2	Prop	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING, 1/2-20,12 POINT	6	Prop	

CESSNA

Model: 320C
Trade Name: SKYKNIGHT
Aircraft T.C./STC: STC-SA2122WE
Propeller Model: HC-E3YR-2ATF
Propeller T.C.:
Blade Model(s): FC8468-6R
 FC8468-8R
 FJC8468-6R
 FJC8468-8R
Prop Diameter: 78", 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.1

IDS No.: 421 **Rev.:** **Date:** 1/23/1997
Modifier: O. S. WYATT, JR.
Engine: TIO-540-J, -N2BD; LTIO-540
Power: 310 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 21.5 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8468-6R	PCP:BLADE,UNIT, ALUM B-3202H-2	3	Prop	
BLADE	FC8468-8R	PCP:BLADE UNIT, ALUM B-3202H-2	3	Prop	
BLADE	FJC8468-6R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FJC8468-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3567-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 320 (D, E, F)
Trade Name:
Aircraft T.C./STC: STC SA09971SC
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7693DF
 FC7693DFB
Prop Diameter: 78" to 76"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.1

IDS No.: 1943 **Rev.:** 2 **Date:** 1/24/2012
Modifier: RAM AIRCRAFT
Engine: TSIO-520-(B, E, N)(B)
Power: 325 HP @ 2700 RPM
Placard/Restr:
Notes: Engine Ratings: -B(B), 285HP; -E(B), 300HP; -N(B), 310HP; -NB with STC SE4327SW, 325HP

Startlock Angle: 18.0 +-1.5
Feather/High Angle: 81.1 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00260	PHC-C3YF-2UF/FC7693DF/SM23	2	A/C	
PROPELLER	C3F00260KD	PHC-C3YF-2UF/FC7693DF/SM23	2	A/C	
PROPELLER	C3F00270	PHC-C3YF-2UF/FC7693DFB/SM23	2	A/C	
PROPELLER	C3F00270KD	PHC-C3YF-2UF/FC7693DFB/SM23	2	A/C	
BLADE	FC7693DF	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	FC7693DFB	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-7267-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-14	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-14
DE-ICE KIT_PR	7931-5E2748-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-2 Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-12 Hub Only

CESSNA

Model: 320E, 320V
Trade Name: SKYKNIGHT
Aircraft T.C./STC: STC-SA2122WE
Propeller Model: HC-E3YR-2ATF
Propeller T.C.:
Blade Model(s): FC8468-6R
Prop Diameter: 80" TO 76"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 16.0 +-0.1

IDS No.: 422 **Rev.:** **Date:** 10/2/1992
Modifier: O. S. WYATT, JR.
Engine: TIO-540-A2B
Power: 310 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 21.5 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8468-6R	PCP:BLADE,UNIT, ALUM B-3202H-2	3	Prop	
SPINNER	D-3273	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: P337H, T337G (front)
Trade Name: PRESSURIZED SKYMASTER
Aircraft T.C./STC: SA00080LA
Propeller Model: **PHC-G3YF-2UF**
Propeller T.C.: P55GL

Blade Model(s): FC7663DB-2R
Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F00060	PHC-G3YF-2UF/FC7663DB-2R/SM9	2	A/C	
BLADE	FC7663DB-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-14	DE-ICE BOOT	1	Blade	Supersedes 4H1601-10 & 7931-4E1601-10.
DE-ICE KIT_PR	7931-65-595-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 424 **Rev.:** 3 **Date:** 3/14/2011

Modifier: SUPER SKYROCKET
Engine: TSIO-520-NB
Power: 300 HP @ 2600 RPM
Placard/Restr: Preflight propeller feather/functional checks must be completed above 1450 RPM.

Notes:

Startlock Angle: 19.0 +-1.5
Feather/High Angle: 80.5 +-0.5
Cwt Angle:

Non-HPI Governor:

CESSNA

Model: P337H, T337G (rear)
Trade Name: PRESSURIZED SKYMASTER
Aircraft T.C./STC: SA00080LA
Propeller Model: **PHC-I3YF-2AL**
Propeller T.C.: P33EA

Blade Model(s): FLC7663DF-2R
Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 15.8 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I3F00020	PHC-I3YF-2AL/FLC7663DF-2R/SM9	2	A/C	
BLADE	FLC7663DF-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 425 **Rev.:** **Date:** 6/20/2001

Modifier: SUPER SKYROCKET
Engine: TSIO-520-NB
Power: 300 HP @ 2600 RPM
Placard/Restr: Preflight propeller feather/functional checks must be completed above 1450 RPM.

Notes:

Startlock Angle: 21.3 +-1.5
Feather/High Angle: 80.5 +-0.5
Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 340 (left side)
Trade Name:
Aircraft T.C./STC: STC-SA3923WE
Propeller Model: HC-E3YR-2ATF
Propeller T.C.: P33EA
Blade Model(s): FC8468B-8R
Prop Diameter: 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.1

IDS No.: 1267 **Rev.:** **Date:** 10/31/2006
Modifier: O. S. WYATT, JR.
Engine: TIO-540-R2AD
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 21.5 +-1.5
Feather/High Angle: 81.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8468B-8R	FC8468-8R BLADE, B-3202H-2 CWT	3	Prop	
GOVERNOR	F6-24	GOVERNOR ASSEMBLY, F-6-()	1	Prop	Left Side
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-4	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-4
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 340 (right side)
Trade Name:
Aircraft T.C./STC: STC-SA3923WE
Propeller Model: HC-E3YR-2ALTF
Propeller T.C.: P33EA
Blade Model(s): FJC8468B-8R
Prop Diameter: 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.1

IDS No.: 1268 **Rev.:** **Date:** 1/23/1997
Modifier: O. S. WYATT, JR.
Engine: LTIO-540-R2AD
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 21.5 +-1.5
Feather/High Angle: 81.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FJC8468B-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
GOVERNOR	F8-48L	GOVERNOR ASSEMBLY, F-8-()	1	Prop	Right side
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 340
Trade Name:
Aircraft T.C./STC: STC-SA2346SW
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7663D-2Q
FC7663D-2R
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 426 **Rev.:** **Date:** 10/2/1992
Modifier: RAM AIRCRAFT CORP.
Engine: TSIO-520-NB
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 19.5 +-1.5
Feather/High Angle: 84.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC7663D-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7663D-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-2P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 340(A)
Trade Name:
Aircraft T.C./STC: SA09971SC
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7693DF
 FC7693DFB
Prop Diameter: 78" to 76"

IDS No.: 1724 **Rev.:** 2 **Date:** 1/24/2012
Modifier: RAM AIRCRAFT
Engine: TSIO-520-J, K(B), N(B)
Power: 335 HP @ 2700 RPM
Placard/Restr:
Notes: Engine Ratings: -J & N(B), 310HP; -K(B), 285HP; -N(B) with STC SE3714SW, 310HP; -NB with STC SE4327SW, 325HP; -NB with STC SE09104SC, 335HP

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Startlock Angle: 18.0 +-1.5
Feather/High Angle: 81.1 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00260	PHC-C3YF-2UF/FC7693DF/SM23	2	A/C	
PROPELLER	C3F00260KD	PHC-C3YF-2UF/FC7693DF/SM23	2	A/C	
PROPELLER	C3F00270	PHC-C3YF-2UF/FC7693DFB/SM23	2	A/C	
PROPELLER	C3F00270KD	PHC-C3YF-2UF/FC7693DFB/SM23	2	A/C	
PROPELLER	C3F00270S	PHC-C3YF-2UF/FC7693DFB/SM23	2	A/C	
BLADE	FC7693DF	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	FC7693DFB	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-7267-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-14	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-14
DE-ICE KIT_PR	7931-5E2748-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-2 Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-12 Hub Only

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CESSNA

Model: 340A
Trade Name:
Aircraft T.C./STC: STC-SA4241SW
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7663D-2Q
 FC7663D-2R
Prop Diameter: 76"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

IDS No.: 427 **Rev.:** **Date:** 10/2/1992
Modifier: RAM AIRCRAFT CORP.
Engine: TSIO-520-NB
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 19.5 +-1.5
Feather/High Angle: 84.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC7663D-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7663D-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-2P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 340, 340A
Trade Name:
Aircraft T.C./STC: SA03118NY
Propeller Model: HC-B3TF-7A
Propeller T.C.: P15EA
Blade Model(s): T9212DNK-7
Prop Diameter: 85"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: NA

IDS No.: 2884 **Rev.:** 2 **Date:** 1/9/2013
Modifier: O&N
Engine: 250-B17F
Power: 400 HP @ 2030 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 84.0 +-0.5
Cwt Angle: 1.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3F10110S	HC-B3TF-7A/T9212DNK-7/835-39EP	2	A/C	
BLADE	T9212DNK-7	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-39E	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-39EP	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3491	SPINNER - MTG KIT	1	Prop	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	Bolt, 3/8-24, hex head
CWT_SLUG	B-3663-3	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	102663	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	102655-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT, MOUNTING, 1/2-20, 12 POINT	6	Prop	
MISC ACCES	C-3630-2	PCP:BETA VALVE - ASSEMBLY	1	Prop	Beta Valve Assembly

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CESSNA

Model: LC42-550FG
Trade Name: CESSNA 350
Aircraft T.C./STC: Experimental
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7391
Prop Diameter: 75

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 14.3 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2592 **Rev.:** **Date:** 4/23/2008

Modifier: HARTZELL PROPELLER INC.

Engine: IO-550-N

Power: 310 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: 40.0 +-1.0

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F07000	PHC-J3YF-1RF/F7391/SM35	1	A/C	
BLADE	F7391	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	C-6446-1P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-35	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: LC42-550FG
Trade Name: CESSNA 350
Aircraft T.C./STC: Experimental
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF-2*1
Prop Diameter: 76

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.3 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2593 **Rev.:** **Date:** 5/16/2008

Modifier: HARTZELL PROPELLER INC.

Engine: IO-550-N

Power: 310 HP @ 2700 RPM

Placard/Restr:

Notes: Verify spinner mounting kit (.250) with customer for production configuration.

Startlock Angle:

Feather/High Angle: 40.0 +-1.0

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F09070	PHC-J3YF-1RF/F7693DF-2[*1/SM25	1	A/C	
BLADE	F7693DF-2*1	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
SPINNER	C-6446-1P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 402
Trade Name: BUSINESSLINER
Aircraft T.C./STC: STC-SA2424WE
Propeller Model: HC-B3TF-7
Propeller T.C.: P15EA
Blade Model(s): T10173-11
T10173N-11
Prop Diameter: 89.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 429 **Rev.:** 1 **Date:** 1/7/2011
Modifier: AMERICAN JET
Engine: 250-B17
Power: 400 HP @ 2030 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 86.0 +/-0.5
Cwt Angle: Unknown

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173-11	IDS*ITEM, BLADE	3	Prop	
BLADE	T10173N-11	IDS ITEM, BLADE	3	Prop	
SPINNER	A-3640	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3648	SPINNER - MTG KIT	1	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CESSNA

Model: 402C
Trade Name:
Aircraft T.C./STC: STC SA09971SC
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7693DF
 FC7693DFB
Prop Diameter: 78" to 76"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1944 **Rev.:** 2 **Date:** 1/24/2012
Modifier: RAM AIRCRAFT
Engine: TSIO-520-VB
Power: 325 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.0 +-1.5
Feather/High Angle: 81.1 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00260	PHC-C3YF-2UF/FC7693DF/SM23	2	A/C	
PROPELLER	C3F00260KD	PHC-C3YF-2UF/FC7693DF/SM23	2	A/C	
PROPELLER	C3F00270	PHC-C3YF-2UF/FC7693DFB/SM23	2	A/C	
PROPELLER	C3F00270KD	PHC-C3YF-2UF/FC7693DFB/SM23	2	A/C	
BLADE	FC7693DF	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	FC7693DFB	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-7267-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-14	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-14
DE-ICE KIT_PR	7931-5E2748-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-2 Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-12 Hub Only

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CESSNA

Model: 411
Trade Name:
Aircraft T.C./STC: A7CE
Propeller Model: HC-83VF-2D, HC-A3VF-2D
Propeller T.C.: P6EA
Blade Model(s): V8833
V8833N
Prop Diameter: 88.6" TO 86.4"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.9 +-0.1

IDS No.: 2167 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GTSIO-520-C
Power: 340 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8833	BLADE UNIT	3	Prop	
BLADE	V8833N	BLADE UNIT	3	Prop	
SPINNER	835-20	IDS Item	1	Prop	Per tc
SPINNER	835-29	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-3H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

CESSNA

Model: 411
Trade Name:
Aircraft T.C./STC: A7CE
Propeller Model: HC-A3MVF-2D
Propeller T.C.: P6EA
Blade Model(s): MV8833N
Prop Diameter: 88.6" TO 86.4"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.9 +-0.1

IDS No.: 431 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: GTSIO-520-C
Power: 340 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3F10085	HC-A3MVF-2D/MV8833N	2	A/C	
BLADE	MV8833N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	835-20	IDS Item	1	Prop	Per tc
SPINNER	835-29	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-3H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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CESSNA

Model: 414
Trade Name:
Aircraft T.C./STC: STC-SA2680SW
Propeller Model: HC-F4YR-2
Propeller T.C.: P53GL

Blade Model(s): FC7663DB-4R
FC7663DB-6Q

Prop Diameter: 74.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC7663DB-4R	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	FC7663DB-6Q	PCP:BLADE UNIT, ALUM 4H1601-7	4	Prop	
SPINNER	D-4515	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-7
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 432 **Rev.:** 1 **Date:** 2/11/2013

Modifier: O.S. WYATT

Engine: IO-720-B1BD

Power: 400 HP @ 2650 RPM

Placard/Restr: Avoid continuous ground operation between 2000 and 2300 RPM. Avoid flight above 28" Manifold Pressure between 2250 and 2550 RPM.

Notes:

Startlock Angle: 18.5 +-1.5

Feather/High Angle: 80.0 +-1.0

Cwt Angle:

Non-HPI Governor:

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CESSNA

Model: 414(A)
Trade Name:
Aircraft T.C./STC: STC SA09971SC
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7693DF
 FC7693DFB
Prop Diameter: 78

IDS No.: 1945 **Rev.:** 1 **Date:** 5/9/2011
Modifier: RAM AIRCRAFT
Engine: TSIO-520-(J, N)(B)
Power: 335 HP @ 2700 RPM
Placard/Restr:
Notes: Engine Ratings: -J(B) & -N(B), 310HP; -N(B) with STC SE3714SW, 310HP; -NB with STC SE4327SW, 325HP; -NB with STC SE09261SC, 335HP; -NB with STC SE09104SC, 335HP

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.1

Startlock Angle: 18.0 +-1.5
Feather/High Angle: 81.1 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00260	PHC-C3YF-2UF/FC7693DF/SM23	2	A/C	
PROPELLER	C3F00260KD	PHC-C3YF-2UF/FC7693DF/SM23	2	A/C	
PROPELLER	C3F00270	PHC-C3YF-2UF/FC7693DFB/SM23	2	A/C	
PROPELLER	C3F00270KD	PHC-C3YF-2UF/FC7693DFB/SM23	2	A/C	
BLADE	FC7693DF	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	FC7693DFB	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-7267-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-14	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-14
DE-ICE KIT_PR	7931-5E2748-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-2 Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-12 Hub Only

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CESSNA

Model: 414A
Trade Name:
Aircraft T.C./STC: STC-SA4546SW
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7663D-2Q
FC7663DB-2Q
Prop Diameter: 76"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

IDS No.: 433 **Rev.:** 1 **Date:** 3/14/2011
Modifier: RAM AIRCRAFT CORP.
Engine: TSIO-520-NB
Power: 325 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 19.5 +-1.5
Feather/High Angle: 84.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00190	PHC-C3YF-2UF/FC7663DB-2Q/SM9	2	A/C	
PROPELLER	C3F00190KD	PHC-C3YF-2UF/FC7663DB-2Q/SM9			
BLADE	FC7663D-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7663DB-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-14	DE-ICE BOOT	1	Blade	Supersedes 4H1601-10 & 7931-4E1601-10.
DE-ICE KIT_PR	7931-65-420-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	USE WITH E-7167-2 HUB ONLY
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	USE WITH E-7167-12 HUB ONLY

CESSNA

Model: 421, 421A
Trade Name: GOLDEN EAGLE
Aircraft T.C./STC: STC-SA673CE
Propeller Model: HC-B3WF-2
Propeller T.C.: P2EA
Blade Model(s): W9349N-3R
Prop Diameter: 90.4" TO 88"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 16.9 +-0.1

IDS No.: 435 **Rev.:** **Date:** 6/6/2006
Modifier: HARTZELL PROPELLER
Engine: GTSIO-520-D
Power: 375 HP @ 2267 RPM
Placard/Restr:
Notes:

Startlock Angle: 21.5 +-1.5
Feather/High Angle: 84.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	W9349N-3R	IDS Item	3	Prop	
SPINNER	835-29	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	833-11	IDS Item	1	Blade	
MTG BOLT/STUD	A-1328-1	BOLT, MOUNTING, 1/2-20, 12 POINT	6	Prop	

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CESSNA

Model: 421B, 421C
Trade Name:
Aircraft T.C./STC: STC-SA4293WE
Propeller Model: HC-B3TN-3C
Propeller T.C.: P15EA
Blade Model(s): T10173-13Q
 T10173E-13Q
 T10173N-13Q
 T10173NE-13Q

Prop Diameter: 88"

Prop Setup:

Ref. Radius 30
Reverse Angle: -11.0 +/-0.4
Low Pitch Angle: 20.2 +/-0.1

IDS No.: 437 **Rev.:** 1 **Date:** 1/7/2011
Modifier: TURBINE CONVERSIONS, INT.
Engine: LTP-101-600A
Power: 600 HP @ 1920 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173-13Q	BLADE	3	Prop	
BLADE	T10173E-13Q	IDS*ITEM, BLADE	3	Prop	
BLADE	T10173N-13Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10173NE-13Q	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3065-6P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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CESSNA

Model: 421C
Trade Name: GOLDEN EAGLE
Aircraft T.C./STC: SA1361SO
Propeller Model: HC-B3TN-3C
Propeller T.C.: P15EA
Blade Model(s): T10173NB-13Q
Prop Diameter: 88

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +/-0.4
Low Pitch Angle: 20.2 +/-0.1

IDS No.: 1947 **Rev.:** 1 **Date:** 1/7/2011
Modifier: RILEY
Engine: PT6A-135
Power: 475 HP @ 1900 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +/-0.5
Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner: UNKNOWN

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10254	HC-B3TN-3C/T10173NB-13Q	2	A/C	
BLADE	T10173NB-13Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

CESSNA

Model: 421C
Trade Name: GOLDEN EAGLE
Aircraft T.C./STC: SA10185SC
Propeller Model: HC-C3YN-2UF
Propeller T.C.: P25EA
Blade Model(s): FC9587D-7
FC9587DB-7

Prop Diameter: 90"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.8 +/-0.2

IDS No.: 1825 **Rev.:** **Date:** 8/31/2006
Modifier: RAM
Engine: GTSIO-520-L or -N
Power: 375 HP @ 2235 RPM
Placard/Restr:
Notes:

During assembly, install one A-2246-7 and one B-3834-0632 washer between hub unit and bulkhead.

Startlock Angle: 21.0 +/-1.5
Feather/High Angle: 86.2 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3N00201	HC-C3YN-2UF/FC9587D-7/SM45	2	A/C	
PROPELLER	C3N00201S	HC-C3YN-2UF/FC9587D-7/SM45	2	A/C	Includes D-3273-3P Spinner
PROPELLER	C3N00205	HC-C3YN-2UF/FC9587DB-7/SM45	2	A/C	
BLADE	FC9587D-7	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC9587DB-7	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-3273-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-45	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-14	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-14
DE-ICE KIT_PR	7931-5E2965-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-3254	STUD, MOUNTING, 9/16-18	8	Prop	

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CESSNA

Model: 425
Trade Name: CONQUEST I
Aircraft T.C./STC: A7CE
Propeller Model: HC-B3TN-3C
Propeller T.C.: P15EA
Blade Model(s): T10178B-8R
 T10178NB-8R
Prop Diameter: 93-3/8 to 91 in.

IDS No.: 438 **Rev.:** 2 **Date:** 1/7/2011
Modifier:
Engine: PT6A-112
Power: 450 HP @ 1900 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.9 +/- 0.25
Low Pitch Angle: 20.2 +/-0.1

Startlock Angle: NA
Feather/High Angle: 86.7 +/-0.2
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10290	HC-B3TN-3C/T10178NB-8R/DE-ICE	2	A/C	
BLADE	T10178B-8R	BLADE (NO.6), 4E1188-6 BOOT	3	Prop	
BLADE	T10178NB-8R	T10178N-8R BLADE,4H1188-6 BOOT	3	Prop	
SPINNER	D-3434-13P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-10	PCP:SLUG, COUNTERWEIGHT	2	Blade	Primary option (w/ A-890-6)
CWT_SLUG	A-890-14	PCP:SLUG, COUNTERWEIGHT	1	Blade	Secondary option (w/ A-890-8)
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary option (w/ A-890-10)
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Secondary opt'n (w/ A-890-14)
CWT_SLUG	B-3384-34H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	
DE-ICER	4H1188-6	DE-ICE BOOT	1	Blade	Superaedes 7931-4E1188-6
DE-ICE KIT_PR	7931-65-280-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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CESSNA

Model: 441
Trade Name: CONQUEST II
Aircraft T.C./STC: A28CE
Propeller Model: HC-B3TN-5(E,M)
Propeller T.C.: P15EA
Blade Model(s): T10178B-11
 T10178NB-11
Prop Diameter: 90.5" TO 88.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.0 +-0.2
Low Pitch Angle: NA

IDS No.: 439 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: TPE331-8-401S, -402S
Power: 750 HP @ 2000 RPM
Placard/Restr:
Notes: -5E Propeller is obsolete for new production

Startlock Angle: 2.0 +-0.1
Feather/High Angle: 87.4 +-0.5
Cwt Angle: 4.5 +-2.5

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10790	HC-B3TN-5M/T10178NB-11	2	A/C	
BLADE	T10178B-11	BLADE, 4E1188-6 BOOT	3	Prop	
BLADE	T10178NB-11	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-3434-11P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-10	PCP:SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-34H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	
DE-ICER	4H1188-6	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-6
DE-ICE KIT_PR	7931-65-155-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

CESSNA

Model: 441
Trade Name: CONQUEST II
Aircraft T.C./STC: STC-SA4026NM
Propeller Model: HC-B3TN-5E
Propeller T.C.: P15EA
Blade Model(s): T10178-13Q
 T10178N-13Q
Prop Diameter: 88.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: 10.0 +-0.2 F.I.

IDS No.: 442 **Rev.:** **Date:** 1/9/2004
Modifier: AERO AIR
Engine: TPE331-8-401S,-402S,-403S,-404S
Power: 750 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 87.4 +-0.5
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10178-13Q	BLADE	3	Prop	
BLADE	T10178N-13Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-3434-11P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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CESSNA

Model: 441
Trade Name: CONQUEST II
Aircraft T.C./STC: STC-SA00058AT
Propeller Model: HC-E4N-5A (Replaces Hartzell)
Propeller T.C.: P10NE

Blade Model(s): E8501
 E8501K
Prop Diameter: 86.0" TO 85.0"

IDS No.: 441 **Rev.:** 4 **Date:** 8/17/2012

Modifier: EXECUTIVE WINGS/HARTZELL
Engine: TPE331-8-402S, -511S; TPE331-10N
Power: 750 HP @ 2000 RPM
Placard/Restr: Stabilized ground operation is prohibited below 1200 (60%) RPM. The minimum aircraft weight limit is 6300 lbs.

Notes: The following items are consumed when performing mod of prop control unit on Garrett engine. Part numbers in () are Honeywell items: 1 ea 103024 (865647-2) Gasket, 1 ea 103026 (856630-3) Gasket, 1 ea 103028 (895459-1) Retainer, 2 ea 103029 (S9418-017) Packing, 2 ea 103031 (895459-2) Retainer, 2 ea 103032 (S9413-012) Packing, 1 ea 103033 (S9418-522) Packing. Ref Garrett Maint Man.

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: NA

Startlock Angle: -1.4 +-0.2
Feather/High Angle: 84.7 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E4N00210S	HC-E4N-5A/E8501K/D-5319-P	2	A/C	
PROPELLER	E4N00210SKD	HC-E4N-5A/E8501K/D-5319-P	2	A/C	
PROPELLER	E4N00210SKDTP	E4N00210S/D-5319-P/DE-ICE/TWIN	2	A/C	
PROPELLER	E4N00210STP	E4N00210S/D-5319-P/DE-ICE/TWIN	2	A/C	
BLADE	E8501	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
BLADE	E8501K	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
SPINNER	D-5319-P	SPINNER ASSEMBLY	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 4H2271-10
DE-ICE KIT_PR	7931-67-815-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-67-815-2	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	103021	PACKING	3	Prop	Honeywell P/N S9143-013 (included in bag w/ prop)
MISC ACCES	103022	GASKET, FIBER	1	Prop	Honeywell P/N 865664-5 (included in bag w/ prop)
MISC ACCES	103023-471	RIVET, 100 DEG FLUSH HEAD	8	Prop	AN123-471 (included in bag w/ prop) (extra qtls may be included in bag) Part of Honeywell Cam Assembly 865558-26.
MISC ACCES	103046	PLUG, SEAL	1	Prop	Honeywell P/N 3103328-1 (included in bag w/ prop)
MISC ACCES	103047	PROPELLER PITCH CAM	1	Prop	Honeywell P/N 3108356-1 (included in bag w/ prop) Part of Honeywell Cam Assembly 865558-26.

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CESSNA

Model: 441
Trade Name: CONQUEST II
Aircraft T.C./STC: STC-SA00058AT
Propeller Model: HC-E4N-5B (Replaces McCauley)
Propeller T.C.: P10NE

Blade Model(s): 4H2271-12
 E8501
 E8501K
Prop Diameter: 86.0" TO 85.0"

IDS No.: 1145 **Rev.:** 4 **Date:** 8/17/2012
Modifier: EXECUTIVE WINGS/HARTZELL
Engine: TPE331-8-403S, -511S, TPE331-10N
Power: 635 HP @ 2000 RPM
Placard/Restr: Stabilized ground operation is prohibited below 1200 (60%) RPM. Minimum aircraft weight limit is 6300 lbs.

Notes: The following items are consumed when performing mod of prop control unit on Garrett engine. Part #s in () are Honeywell items: 1 ea 103024 (865647-2) Gasket, 1 ea 103026 (856630-3) Gasket, 1 ea 103028 (895459-1) Retainer, 2 ea 103029 (S9418-017) Packing, 2 ea 103031 (895459-2) Retainer, 2 ea 103032 (S9413-012) Packing, 1 ea 103033 (S9418-522) Packing. Ref Garrett Maint man.

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle: NA

Startlock Angle: -1.4 +/-0.2
Feather/High Angle: 84.7 +/-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E4N00260S	HC-E4N-5B/E8501K/D-5319-P	2	A/C	
PROPELLER	E4N00260SKD	HC-E4N-5B/E8501K/D-5319-P	2	A/C	
PROPELLER	E4N00260SKDTP	E4N00260/D-5319-P/DE-ICE/TWIN	1	A/C	
PROPELLER	E4N00260STP	E4N00260/D-5319-P/DE-ICE/TWIN	2	A/C	
PROPELLER	E4N00262S	HC-E4N-5B/E8501K/NO PITCH KIT	2	A/C	
PROPELLER	E4N00262SKD	HC-E4N-5B/E8501K/NO PITCH KIT	2	A/C	
BLADE	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 4H2271-10
BLADE	E8501	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
BLADE	E8501K	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
SPINNER	D-5319-P	SPINNER ASSEMBLY	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	Included w/67-815-1 kit
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICE KIT_PR	7931-67-815-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-67-815-2	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	103021	PACKING	3	Prop	Included with E4N00260() prop part numbers
MISC ACCES	103022	GASKET, FIBER	1	Prop	Included with E4N00260() prop part numbers
MISC ACCES	103023-471	RIVET, 100 DEG FLUSH HEAD	8	Prop	Included in a bag with every prop on this IDS. (extra qtls may be included in bag) Part of Honeywell Cam Assembly 865558-26
MISC ACCES	103046	PLUG, SEAL	1	Prop	Honeywell P/N 3103328-1 (included in bag w/ prop)
MISC ACCES	103047	PROPELLER PITCH CAM	1	Prop	Honeywell P/N 3108356-1 (included in bag w/ prop) Part of Honeywell Cam Assembly 865558-26.

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CESSNA

Model: A185E AND A185F
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: SA1443NM
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
 F8468A-8R
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

IDS No.: 2514 **Rev.:** **Date:** 5/16/2005
Modifier: HARTZELL PROPELLER
Engine: IO-520-D
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00050	HC-C3YF-1RF/F8468A-8R/SM30	1	A/C	
PROPELLER	C3F00050KD	HC-C3YF-1RF/F8468A-8R/SM30	1	A/C	
PROPELLER	C3F00050SKDTP	C3F00050/SM30/C-3575-P	1	A/C	
PROPELLER	C3F00050STP	C3F00050/SM30/C-3575-P	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: T210L
Trade Name: TURBO CENTURION
Aircraft T.C./STC: SA02319CH-D
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691B+2
Prop Diameter: 80-78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 15.3 +-0.2

IDS No.: 2838 **Rev.:** **Date:** 2/13/2009
Modifier: HARTZELL PROPELLER
Engine: TSIO-520-C, -H
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00201	HC-J3YF-1RF/F7691B+2/SM44/DE	1	A/C	
BLADE	F7691B+2	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	C-4582-1	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-4582-1P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-44	SPINNER - MTG KIT	1	Prop	
DE-ICER	102811	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	102998-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	102998-2	AIRFRAME DE-ICE KIT	1	A/C	
DE-ICE KIT_A/F	102998-3	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: T207
Trade Name: SKYWAGON
Aircraft T.C./STC: SA696AL
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.7 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2512 **Rev.:** 1 **Date:** 10/7/2010
Modifier: HARTZELL PROPELLER
Engine: TSIO-520-G
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +/-1.0
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00139	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00139KD	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00139SKDTP	C3F00139/SM30/A-2295-1P	1	A/C	
PROPELLER	C3F00139STP	C3F00139/SM30/A-2295-1P	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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CESSNA

Model: 206, P206(A), U206(A-G), TP206A, TU206(A-F)

Trade Name: Super Skylane

Aircraft T.C./STC: STC SA02752CH-D

Propeller Model: HC-C3YF-1RF

Propeller T.C.: P25EA

Blade Model(s): F8468A-2R*1

F8468A-4R*1

F8468AR*1

Prop Diameter: F8468AR:86"-85"/ 68A-

Prop Setup: 2R:84"to78"/ 68A-4R:82"to78"

Ref. Radius 30

Reverse Angle:

Low Pitch Angle: 11.2 +-0.2

IDS No.: 2747

Rev.:

Date: 9/1/2009

Modifier: HARTZELL PROPELLER

Engine: IO-520-(A, F), TSIO-520-C

Power: 285 HP @ 2700 RPM

Placard/Restr: For propellers with 86"-85" diameters - Continuous operation is prohibited above 26" manifold pressure between 2250-2450 RPM.

Notes:

Startlock Angle:

Feather/High Angle: 30.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00042	HC-C3YF-1RF/F8468A-2R[*1]/SM30			
PROPELLER	C3F00042KD	HC-C3YF-1RF/F8468A-2R[*1]/SM30			
PROPELLER	C3F00043	HC-C3YF-1RF/F8468AR[*1]/SM30			
PROPELLER	C3F00043KD	HC-C3YF-1RF/F8468AR[*1]/SM30			
PROPELLER	C3F00046	HC-C3YF-1RF/F8468A-4R[*1]/SM30	1	A/C	
PROPELLER	C3F00046KD	HC-C3YF-1RF/F8468A-4R[*1]/SM30	1	A/C	
BLADE	F8468A-2R*1	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
BLADE	F8468A-4R*1	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
BLADE	F8468AR*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: 206, U206U206A, TU206A-TU206F s/n U206)2199, P206A, and TP206A (some)

Trade Name: Super Skywagon, Stationair, Turbo Stationair

Aircraft T.C./STC: SA02735CH

Propeller Model: HC-C3YF-1RF

Propeller T.C.: P25EA

Blade Model(s): F7693DF+2*1

Prop Diameter: 80" - 78"

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle: 12.1 + - 0.2

IDS No.: 2900

Rev.:

Date: 1/26/2010

Modifier: Vitatoe Aviation LLC

Engine: IO-520-A, TSIO-520-C

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: 32.0 + - 1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F06100	HC-C3YF-1RF/F7693DF+2*[1]/SM30	1	A/C	
PROPELLER	C3F06100KD	HC-C3YF-1RF/F7693DF+2*[1]/SM30	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CESSNA

Model: 206, U206U206A, TU206A-TU206F s/n U206)2199, P206A, and TP206A (some)

Trade Name: Super Skywagon, Stationair, Turbo Stationair

Aircraft T.C./STC: SA02821CH

Propeller Model: HC-C3YF-1RF

Propeller T.C.: P25EA

Blade Model(s): F7693DF+2*1

Prop Diameter: 80" - 78"

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle: 12.1 + - 0.2

IDS No.: 2978

Rev.:

Date: 6/7/2010

Modifier: Hartzell Propeller

Engine: IO-520-A, TSIO-520-C

Power: 285 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: 32.0 + - 1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F06100	HC-C3YF-1RF/F7693DF+2*[1]/SM30	1	A/C	
PROPELLER	C3F06100KD	HC-C3YF-1RF/F7693DF+2*[1]/SM30	1	A/C	
BLADE	F7693DF+2*1	PCP:BLADE UNIT, ALUM [6,16,11]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CESSNA

Model: U206(B-G)
Trade Name: SUPER SKYLANE
Aircraft T.C./STC: STC-SA685AL
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
 F8468A-8R
Prop Diameter: 80.0" TO 77.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

IDS No.: 2560 **Rev.:** 1 **Date:** 10/7/2010
Modifier: HARTZELL PROPELLER
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes: Eligible for U206G up to S/N 4074; Install spinner mounting kit per instructions in STC

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00119	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00119KD	PHC-C3YF-1RF/F8468A-6R/SM30	1	A/C	
PROPELLER	C3F00119SKDTP*1	C3F00119/SM30/A-2295-1P	1	A/C	
PROPELLER	C3F00119STP*1	C3F00119/SM30/A-2295-1P	1	A/C	
PROPELLER	C3F00131SKDTP	C3F00131/SM30/A-2295-1P	1	A/C	
PROPELLER	C3F00131STP	C3F00131/SM30/A-2295-1P	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-30	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

CESSNA

Model: U206G
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F8068
Prop Diameter: 82"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.7 +-0.2

IDS No.: 2520 **Rev.:** **Date:** 10/4/2006
Modifier: JOHN JEWELL AIRCRAFT
Engine: IO-550-F
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F10692	PHC-J3YF-1RF/F8068/SM9	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	A/C	
SPINNER	D-5732-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CHAMPION

Model: see BELLANCA

Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 443 Rev.: Date: 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

CHRISTEN

Model: see AVIAT

Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 444 Rev.: Date: 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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CIRRUS DESIGN CORP.

Model: SR20, SRV
Trade Name: CIRRUS
Aircraft T.C./STC: A00009CH
Propeller Model: BHC-J2YF-1BF
Propeller T.C.: P37EA

Blade Model(s): F7694
F7694*2
Prop Diameter: 76" TO 73"

IDS No.: 1486 **Rev.:** **Date:** 8/18/2004
Modifier:
Engine: IO-360-ES
Power: 200 HP @ 2700 RPM
Placard/Restr: "Do not operate above 24 inches of manifold pressure between 1900 and 2200 RPM"
Notes: SRV model is the same as the SR20, but without a nosewheel fairing and equipped for VFR-only operation. Marketing model only.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.6 +-0.1

Startlock Angle: NA
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J2F00014	BHC-J2YF-1BF/F7694/SM19	1	A/C	
PROPELLER	J2F00800	BHC-J2YF-1BF/F7694[*2]/SM19	1	A/C	
BLADE	F7694	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F7694*2	PCP:BLADE UNIT, ALUM [3,1,1]	2	Prop	
SPINNER	A-2295-P	SPINNER ASSEMBLY	1	Prop	Standard packaging
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-5	STUD, MOUNTING, 1/2-20	6	Prop	

CIRRUS DESIGN CORP.

Model: SR20, SRV
Trade Name: CIRRUS
Aircraft T.C./STC: A00009CH
Propeller Model: PHC-J3YF-1MF
Propeller T.C.: P36EA
Blade Model(s): F7392-1
Prop Diameter: 74" TO 72"

IDS No.: 1419 **Rev.:** **Date:** 5/26/2005
Modifier:
Engine: IO-360-ES
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes: SRV model is the same as the SR20, but without a nosewheel fairing and equipped for VFR-only operation. Marketing model only.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.1 +-0.1

Startlock Angle: NA
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00677	PHC-J3YF-1MF/F7392-1/SM7	1	A/C	
PROPELLER	J3F00677KD	PHC-J3YF-1MF/F7392-1/SM7	1	A/C	
BLADE	F7392-1	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-5	STUD, MOUNTING, 1/2-20	6	Prop	

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CIRRUS DESIGN CORP.

Model: SR20
Trade Name: SR20, SR20 G3, SR20 GTS, SRV, SRV G3
Aircraft T.C./STC: A00009CH
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7392-1
 F7392-1*1
Prop Diameter: 74" TO 72"

IDS No.: 1752 **Rev.:** **Date:** 1/29/2008
Modifier:
Engine: IO-360-ES
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes: SRV model is the same as the SR20, but without a nosewheel fairing and equipped for VFR-only operation. Marketing model only; The following prop p/n's do not get standard packaging, instead they are shipped on the customer's cart: J3F10600.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.9 +0.1

Startlock Angle: NA
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00026	PHC-J3YF-1RF/F7392-1/SM7	1	A/C	
PROPELLER	J3F00026KD	PHC-J3YF-1RF/F7392-1/SM7	1	A/C	
PROPELLER	J3F10600	PHC-J3YF-1RF/F7392-1[*1]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F10600AFM	PHC-J3YF-1RF/F7392-1[*1]/SM7	1	A/C	Std Pkg-box-aftermarket prop
PROPELLER	J3F10600KD	PHC-J3YF-1RF/F7392-1[*1]/SM7	1	A/C	
BLADE	F7392-1	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F7392-1*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	Standard Packaging
GOVERNOR	S-1-19	GOVERNOR ASSEMBLY, S-1-19	1	A/C	
GOVERNOR	S-1-8	GOVERNOR ASSEMBLY, S-1-8	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-5	STUD, MOUNTING, 1/2-20	6	Prop	

CIRRUS DESIGN CORP.

Model: SR22
Trade Name: SR22, SR22 G3, SR22 GTS
Aircraft T.C./STC: A00009CH
Propeller Model: **PHC-J3YF-1RF**
Propeller T.C.: P36EA
Blade Model(s): F7693DF*2
 F7693DF*3
 F7693DF*4
 F7693DF*5
 F7693DF*6
 F7693DFB
 F7693DFB*1
 F7693DFB*2
 F7693DFB*3
 F7693DFB*4
 F7693DFB*5
 F7693DFB*6

IDS No.: 2423 **Rev.:** 1 **Date:** 12/5/2012
Modifier:
Engine: IO(F)-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes: Boots only; The following prop p/n's do not get standard packaging, instead they are shipped on the customer's cart: J3F00051, J3F00050, J3F00052, J3F00064, J3F09140, J3F09150, J3F10660, J3F10665; IOF-550-N engine installed per STC SA10675SC.

Prop Diameter: 78"-76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.9 +-0.1

Startlock Angle: NA
Feather/High Angle: 40.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00050	PHC-J3YF-1RF/F7693DF[*3]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F00051	PHC-J3YF-1RF/F7693DF[*2]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F00051AFM	PHC-J3YF-1RF/F7693DF[*2]/SM7	1	A/C	Std Pkg-box-aftermarket prop
PROPELLER	J3F00051KD	PHC-J3YF-1RF/F7693DF[*2]/SM7	1	A/C	
PROPELLER	J3F00052	PHC-J3YF-1RF/F7693DFB/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F00052AFM	PHC-J3YF-1RF/F7693DFB/SM7	1	A/C	Std Pkg-box-aftermarket prop
PROPELLER	J3F00052KD	PHC-J3YF-1RF/F7693DFB/SM7	1	A/C	Knockdown packaging
PROPELLER	J3F00054	PHC-J3YF-1RF/F7693DFB[*1]/SM7	1	A/C	Std Pkg - box
PROPELLER	J3F00063	PHC-J3YF-1RF/F7693DFB[*2]/SM7	1	A/C	Std Pkg - box
PROPELLER	J3F00064	PHC-J3YF-1RF/F7693DFB[*3]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F09140	PHC-J3YF-1RF/F7693DF[*4]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F09140AFM	PHC-J3YF-1RF/F7693DF[*4]/SM7	1	A/C	Std Pkg-box-aftermarket prop
PROPELLER	J3F09150	PHC-J3YF-1RF/F7693DF[*5]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F09150AFM	PHC-J3YF-1RF/F7693DF[*5]/SM7	1	A/C	Std Pkg-box-aftermarket prop
PROPELLER	J3F09160	PHC-J3YF-1RF/F7693DF[*6]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F09160AFM	PHC-J3YF-1RF/F7693DF[*6]/SM7	1	A/C	Std Pkg-box-aftermarket prop
PROPELLER	J3F10660	PHC-J3YF-1RF/F7693DFB[*4]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F10660AFM	PHC-J3YF-1RF/F7693DFB[*4]/SM7	1	A/C	Std Pkg-box-aftermarket prop
PROPELLER	J3F10661	PHC-J3YF-1RF/F7693DFB[*4]/SM34	1	A/C	Pkg-Customer Cart-OEM Prop. This prop is for use with 102870 Spinner
PROPELLER	J3F10661AFM	PHC-J3YF-1RF/F7693DFB[*4]/SM34	1	A/C	Std Pkg-box-aftermarket prop. This prop is for use with 102870 Spinner.
PROPELLER	J3F10665	PHC-J3YF-1RF/F7693DFB[*5]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F10665AFM	PHC-J3YF-1RF/F7693DFB[*5]/SM7	1	A/C	Std Pkg-box-aftermarket prop
PROPELLER	J3F10666	PHC-J3YF-1RF/F7693DFB[*6]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F10666AFM	PHC-J3YF-1RF/F7693DFB[*6]/SM7	1	A/C	Std Pkg-box-aftermarket prop
BLADE	F7693DF*2	PCP:BLADE UNIT, ALUM [11,15,11]	3	Prop	
BLADE	F7693DF*3	PCP:BLADE UNIT, ALUM [6,18,11]	3	Prop	
BLADE	F7693DF*4	PCP:BLADE UNIT, ALUM [3,20,11]	3	Prop	
BLADE	F7693DF*5	PCP:BLADE UNIT, ALUM [3,1,11]	3	Prop	
BLADE	F7693DF*6	PCP:BLADE UNIT, ALUM [3,21,11]	3	Prop	

BLADE	F7693DFB	PCP:BLADE UNIT,ALUM [11,15,11]	3	Prop	
BLADE	F7693DFB*1	PCP:BLADE UNIT, ALUM [6,18,11]	3	Prop	
BLADE	F7693DFB*2	PCP:BLADE UNIT,ALUM [12,17,12]	3	Prop	
BLADE	F7693DFB*3	PCP:BLADE UNIT,ALUM [3,19,11]	3	Prop	
BLADE	F7693DFB*4	PCP:BLADE UNIT,ALUM [3,1,11]	3	Prop	
BLADE	F7693DFB*5	PCP:BLADE UNIT, ALUM [3,20,11]	3	Prop	
BLADE	F7693DFB*6	PCP:BLADE UNIT, ALUM [3,21,11]	3	Prop	
SPINNER	102870	SPINNER ASSEMBLY, COMPOSITE	1	Prop	For use with prop item # J3F10661
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	A/C	Standard packaging
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	A/C	Standard packaging
GOVERNOR	S-1-19	GOVERNOR ASSEMBLY, S-1-19	1	A/C	
GOVERNOR	S-1-20	GOVERNOR ASSEMBLY, S-1-20	1	Prop	
GOVERNOR	S-1-8	GOVERNOR ASSEMBLY, S-1-8	1	A/C	
SPIN MTG KIT	A-2476-34	SPINNER - MTG KIT	1	Prop	For use with composite spinner P/N 102870
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-10	BOOT, ANTI-ICING	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CIRRUS DESIGN CORP.

Model: SR22, SR22 G3, SR22 GTS

Trade Name: CIRRUS

Aircraft T.C./STC: A00009CH

Propeller Model: PHC-J3YF-1RF

Propeller T.C.: P36EA

Blade Model(s): F7694
F7694*1
F7694*3
F7694B

Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius: 30

Reverse Angle: NA

Low Pitch Angle: 14.1 +-0.1

IDS No.: 1662

Rev.:

Date: 11/3/2009

Modifier:

Engine: IO(F)-550-N

Power: 310 HP @ 2700 RPM

Placard/Restr:

Notes: IOF-550-N engine installed per STC SA10675SC.

Startlock Angle: NA

Feather/High Angle: 35.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00029	PHC-J3YF-1RF/F7694/SM7	1	A/C	
PROPELLER	J3F00029KD	PHC-J3YF-1RF/F7694/SM7	1	A/C	
PROPELLER	J3F00029S	PHC-J3YF-1RF/F7694B/SM7/DE-ICE	1	A/C	
PROPELLER	J3F00029SKD	PHC-J3YF-1RF/F7694B/SM7/DE-ICE	1	A/C	
PROPELLER	J3F00350	PHC-J3YF-1RF/F7694B/SM7	1	A/C	
PROPELLER	J3F10000	PHC-J3YF-1RF/F7694[*1]/SM7	1	A/C	
PROPELLER	J3F10005	PHC-J3YF-1RF/F7694[*3]/SM7	1	A/C	
BLADE	F7694	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F7694*1	PCP:BLADE UNIT,ALUM [12,17,12]	3	Prop	
BLADE	F7694*3	PCP:BLADE UNIT,ALUM [11,17,12]	3	Prop	
BLADE	F7694B	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	Non de-iced
SPINNER	A-2295-8	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-8P	SPINNER ASSEMBLY, "CNC"	1	Prop	De-iced
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-8	BOOT, ANTI-ICING	1	Blade	Blade Component
DE-ICE KIT_PR	D-4695-1	ANTI-ICE - INSTL KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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CIRRUS DESIGN CORP.

Model: SR22, SR22 G3, SR22 GTS
Trade Name: CIRRUS
Aircraft T.C./STC: A00009CH
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7694B*1
Prop Diameter: 78" TO 76"

IDS No.: 2519 **Rev.:** **Date:** 1/22/2010
Modifier:
Engine: IO(F)-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes: Prop Spare Configuration, Linen paint scheme, TKS Anti-Ice; IOF-550-N engine installed per STC SA10675SC.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.1 +-0.1

Startlock Angle: NA
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F10010	PHC-J3YF-1RF/F7694B[*1]/SM7	1	A/C	
BLADE	F7694B*1	PCP:BLADE UNIT,ALUM [12,17,12]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-8	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-8P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-10	BOOT, ANTI-ICING	1	Blade	
DE-ICE KIT_PR	D-4695-1	ANTI-ICE - INSTL KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

CIRRUS DESIGN CORP.

Model: SR22
Trade Name: SR22 (G3, GTS, Turbo, Turbo GTS)
Aircraft T.C./STC: A00009CH
Propeller Model: PHC-J3Y1F-1N
Propeller T.C.: P36EA
Blade Model(s): N7605
 N7605*1
 N7605*2
 N7605*3
 N7605B
 N7605B*1
 N7605B*2
 N7605B*3

IDS No.: 2798 **Rev.:** 5 **Date:** 4/22/2013
Modifier:
Engine: IO(F)-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes: This propeller installation has been approved for bird impact capability; IOF-550-N engine installed per STC SA10675SC. Turbonormalizer installed per STCs SA10588SC and SE10589SC.

Prop Diameter: 78

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.2 +/- 0.2

Startlock Angle:
Feather/High Angle: 35.0 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F30000	PHC-J3Y1F-1N/N7605/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F30000AFM	PHC-J3Y1F-1N/N7605/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30001	PHC-J3Y1F-1N/N7605[*1]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F30001AFM	PHC-J3Y1F-1N/N7605[*1]/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30005	PHC-J3Y1F-1N/N7605[*2]/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30006AFM	PHC-J3Y1F-1N/N7605[*3]/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30010	PHC-J3Y1F-1N/N7605/SM34	1	A/C	
PROPELLER	J3F30010AFM	PHC-J3Y1F-1N/N7605/SM34	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30020	PHC-J3Y1F-1N/N7605[*2]/SM34	1	A/C	
PROPELLER	J3F30500	PHC-J3Y1F-1N/N7605B/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F30500AFM	PHC-J3Y1F-1N/N7605B/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30500AFMKD	PHC-J3Y1F-1N/N7605B/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30501	PHC-J3Y1F-1N/N7605B[*1]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F30501AFM	PHC-J3Y1F-1N/N7605B[*1]/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30502	PHC-J3Y1F-1N/N7605B[*3]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F30502AFM	PHC-J3Y1F-1N/N7605B[*3]/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30505	PHC-J3Y1F-1N/N7605B[*2]/SM7	1	A/C	
PROPELLER	J3F30510	PHC-J3Y1F-1N/N7605B/SM34	1	A/C	
PROPELLER	J3F30510AFM	PHC-J3Y1F-1N/N7605B/SM34	1	A/C	
PROPELLER	J3F30520	PHC-J3Y1F-1N/N7605B[*2]/SM34	1	A/C	
BLADE	N7605	PCP:BLADE ASSY, COMPOSITE	3	Prop	
BLADE	N7605*1	PCP:BLADE ASSY, COMP [3,21,1]	3	Prop	
BLADE	N7605*2	PCP:BLADE ASSY, COMP. [3,20,1]	3	Prop	
BLADE	N7605*3	PCP:BLADE ASSY, COMP [3,27,16]	3	Prop	Blade with 1" mid blade stripe on face
BLADE	N7605B	PCP:BLADE ASSY, COMP. [3,1,1]	3	Prop	
BLADE	N7605B*1	PCP:BLADE ASSY, COMP. [3,19,1]	3	Prop	
BLADE	N7605B*2	PCP:BLADE ASSY, COMP. [3,20,1]	3	Prop	
BLADE	N7605B*3	PCP:BLADE ASSY, COMP. [3,21,1]	3	Prop	
SPINNER	102870	SPINNER ASSEMBLY, COMPOSITE	1	Prop	
SPINNER	A-2295-11	SPINNER ASSEMBLY, "CNC"	1	A/C	Standard packaging
SPINNER	A-2295-11P	SPINNER ASSEMBLY, "CNC"	1	A/C	Standard packaging
GOVERNOR	S-1-20	GOVERNOR ASSEMBLY, S-1-20	1	Prop	
SPIN MTG KIT	A-2476-34	SPINNER - MTG KIT	1	Prop	SMK used with 102870 spinner
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-9	BOOT, ANTI-ICING	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL	Blade	Included in blade BOM (12")
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CIRRUS DESIGN CORP.

Model: SR22T
Trade Name: SR22T
Aircraft T.C./STC: A00009CH
Propeller Model: PHC-J3Y1F-1N
Propeller T.C.: P36EA
Blade Model(s): N7605
 N7605*1
 N7605*2
 N7605*3
 N7605B
 N7605B*1
 N7605B*2
 N7605B*3

IDS No.: 2954 **Rev.:** 5 **Date:** 4/22/2013
Modifier:
Engine: TSIO-550K
Power: 315 HP @ 2500 RPM
Placard/Restr:
Notes: This propeller installation has been approved for bird impact capability.

Prop Diameter: 78

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.2 +/- 0.2

Startlock Angle:
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F30000	PHC-J3Y1F-1N/N7605/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F30000AFM	PHC-J3Y1F-1N/N7605/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30001	PHC-J3Y1F-1N/N7605[*1]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F30001AFM	PHC-J3Y1F-1N/N7605[*1]/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30005	PHC-J3Y1F-1N/N7605[*2]/SM7			
PROPELLER	J3F30006AFM	PHC-J3Y1F-1N/N7605[*3]/SM7	1	A/C	
PROPELLER	J3F30010	PHC-J3Y1F-1N/N7605/SM34	1	A/C	
PROPELLER	J3F30010AFM	PHC-J3Y1F-1N/N7605/SM34	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30020	PHC-J3Y1F-1N/N7605[*2]/SM34	1	A/C	
PROPELLER	J3F30500	PHC-J3Y1F-1N/N7605B/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F30500AFM	PHC-J3Y1F-1N/N7605B/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30500AFMKD	PHC-J3Y1F-1N/N7605B/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30501	PHC-J3Y1F-1N/N7605B[*1]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F30501AFM	PHC-J3Y1F-1N/N7605B[*1]/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30502	PHC-J3Y1F-1N/N7605B[*3]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F30502AFM	PHC-J3Y1F-1N/N7605B[*3]/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F30505	PHC-J3Y1F-1N/N7605B[*2]/SM7			
PROPELLER	J3F30510	PHC-J3Y1F-1N/N7605B/SM34	1	A/C	
PROPELLER	J3F30510AFM	PHC-J3Y1F-1N/N7605B/SM34	1	A/C	
PROPELLER	J3F30520	PHC-J3Y1F-1N/N7605B[*2]/SM34	1	A/C	
BLADE	N7605	PCP:BLADE ASSY, COMPOSITE	3	Prop	
BLADE	N7605*1	PCP:BLADE ASSY, COMP [3,21,1]	3	Prop	
BLADE	N7605*2	PCP:BLADE ASSY, COMP. [3,20,1]	3	Prop	
BLADE	N7605*3	PCP:BLADE ASSY, COMP [3,27,16]	3	Prop	Blade with 1" mid blade stripe on face
BLADE	N7605B	PCP:BLADE ASSY, COMP. [3,1,1]	3	Prop	
BLADE	N7605B*1	PCP:BLADE ASSY, COMP. [3,19,1]	3	Prop	
BLADE	N7605B*2	PCP:BLADE ASSY, COMP. [3,20,1]	3	Prop	
BLADE	N7605B*3	PCP:BLADE ASSY, COMP. [3,21,1]	3	Prop	
SPINNER	102870	SPINNER ASSEMBLY, COMPOSITE	1	Prop	
SPINNER	A-2295-11	SPINNER ASSEMBLY, "CNC"	1	A/C	Standard packaging
SPINNER	A-2295-11P	SPINNER ASSEMBLY, "CNC"	1	A/C	Standard packaging
GOVERNOR	S-1-44F	GOVERNOR ASSEMBLY, S-1-()F	1	A/C	
SPIN MTG KIT	A-2476-34	SPINNER - MTG KIT	1	Prop	SMK used with 102870 spinner
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-9	BOOT, ANTI-ICING	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL	Blade	Included in blade BOM (12")
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CIRRUS DESIGN CORP.

Model: SR22
Trade Name: SR22
Aircraft T.C./STC: SA10588SC
Propeller Model: PHC-J3YF-1N
Propeller T.C.: P36EA
Blade Model(s): N7605
Prop Diameter: 78"

IDS No.: 2803 **Rev.:** 1 **Date:** 11/23/2011
Modifier: ENGINE TECHNOLOGIES
Engine: IO-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes: This propeller installation has been approved for bird impact capability; Turbonormalizer installed per STCs SA10588SC and SE10589SC.

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.2 +/- 0.2

Startlock Angle:
Feather/High Angle: 35.0 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F20000	PHC-J3YF-1N/N7605/SM7	1	A/C	
BLADE	N7605	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	A-2295-11	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	A-2295-11P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (12")

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CIRRUS DESIGN CORP.

Model: SR22T
Trade Name: SR22T
Aircraft T.C./STC: A00009CH
Propeller Model: **PHC-J3Y1F-1N**
Propeller T.C.: P36EA
Blade Model(s): N7605C
 N7605C*1
 N7605CB
 N7605CB*1

IDS No.: 3122 **Rev.:** 1 **Date:** 10/16/2012

Modifier:
Engine: TSIO-550-K
Power: 315 HP @ 2500 RPM
Placard/Restr:
Notes: This propeller installation has been approved for bird impact capability.

Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.2 +/- 0.2

Startlock Angle:
Feather/High Angle: 35.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F90000AFM	PHC-J3Y1F-1N/N7605C/SM7	1	A/C	
PROPELLER	J3F90002AFM	PHC-J3Y1F-1N/N7605C[*1]/SM7	1	A/C	
PROPELLER	J3F90500AFM	PHC-J3Y1F-1N/N7605CB/SM7	1	A/C	
PROPELLER	J3F90501AFM	PHC-J3Y1F-1N/N7605CB[*1]/SM7	1	A/C	
PROPELLER	J3F90510AFM	PHC-J3Y1F-1N/N7605CB/SM34	1	A/C	
PROPELLER	J3F90511AFM	PHC-J3Y1F-1N/N7605CB[*1]/SM34	1	A/C	
BLADE	N7605C	PCP:BLADE ASSY, COMPOSITE	3	Prop	
BLADE	N7605C*1	PCP:BLADE ASSY, COMP [13,18,5]	3	Prop	
BLADE	N7605CB	PCP:BLADE ASSY, COMPOSITE	3	Prop	
BLADE	N7605CB*1	PCP:BLADE ASSY, COMP [13,18,5]	3	Prop	
SPINNER	102870	SPINNER ASSEMBLY, COMPOSITE	1	Prop	
SPINNER	A-2295-11	SPINNER ASSEMBLY, "CNC"	1	Prop	Standard packaging
SPINNER	A-2295-11P	SPINNER ASSEMBLY, "CNC"	1	Prop	Standard packaging
GOVERNOR	S-1-44F	GOVERNOR ASSEMBLY, S-1-()F	1	A/C	
SPIN MTG KIT	A-2476-34	SPINNER - MTG KIT	1	Prop	SMK used with 102870 spinner
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-9	BOOT, ANTI-ICING	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (12")

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CIRRUS DESIGN CORP.

Model: SR22
Trade Name: SR22 (G3, GTS, Turbo, Turbo GTS)
Aircraft T.C./STC: A00009CH
Propeller Model: PHC-J3YF-1N
Propeller T.C.: P36EA
Blade Model(s): N7605
 N7605*1
 N7605B
 N7605B*1
 N7605B*2
 N7605B*3

IDS No.: 2556 **Rev.:** 2 **Date:** 11/29/2011

Modifier:
Engine: IO(F)-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr:

Notes: This propeller installation has been approved for bird impact capability; IOF-550-N engine installed per STC SA10675SC. Or turbonormalizer installed per STCs SA10588SC and SE10589SC.

Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.2 +/- 0.2

Startlock Angle:
Feather/High Angle: 35.0 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F20000	PHC-J3YF-1N/N7605/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F20000AFM	PHC-J3YF-1N/N7605/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F20002	PHC-J3YF-1N/N7605[*1]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F20002AFM	PHC-J3YF-1N/N7605[*1]/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F20500	PHC-J3YF-1N/N7605B/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F20500AFM	PHC-J3YF-1N/N7605B/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F20501	PHC-J3YF-1N/N7605B[*1]/SM7	1	A/C	Pkg-Customer Cart-EOM Prop
PROPELLER	J3F20501AFM	PHC-J3YF-1N/N7605B[*1]/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F20502	PHC-J3YF-1N/N7605B[*2]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F20502AFM	PHC-J3YF-1N/N7605B[*2]/SM7	1	A/C	Pkg-Aftermarket Prop
PROPELLER	J3F20503	PHC-J3YF-1N/N7605B[*3]/SM7	1	A/C	Pkg-Customer Cart-OEM Prop
PROPELLER	J3F20503AFM	PHC-J3YF-1N/N7605B[*3]/SM7	1	A/C	Pkg-Aftermarket Prop
BLADE	N7605	PCP:BLADE ASSY, COMPOSITE	3	Prop	
BLADE	N7605*1	PCP:BLADE ASSY, COMP [3,21,1]	3	Prop	
BLADE	N7605B	PCP:BLADE ASSY, COMP. [3,1,1]	3	Prop	
BLADE	N7605B*1	PCP:BLADE ASSY, COMP. [3,19,1]	3	Prop	
BLADE	N7605B*2	PCP:BLADE ASSY, COMP. [3,20,1]	3	Prop	
BLADE	N7605B*3	PCP:BLADE ASSY, COMP. [3,21,1]	3	Prop	
SPINNER	A-2295-11	SPINNER ASSEMBLY, "CNC"	1	A/C	Standard packaging
SPINNER	A-2295-11P	SPINNER ASSEMBLY, "CNC"	1	A/C	Standard packaging
GOVERNOR	S-1-20	GOVERNOR ASSEMBLY, S-1-20	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-9	BOOT, ANTI-ICING	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (12")

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CLASSIC SPORT

Model: S-18(T)
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00690	HC-C2YR-1BF/F7666A-4/SM8	1	A/C	
BLADE	F7666A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	A/C	
SP_MT_KIT_DE-ICE	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2477 **Rev.:** **Date:** 8/26/2006

Modifier:
Engine: (I)O-360
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle:
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CLASSIC SPORT

Model: S-18
Trade Name: THORP
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F7663A-4
Prop Diameter: 72

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00048	HC-C2YL-1BF/F7663A-4	1	A/C	
BLADE	F7663A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

IDS No.: 2438 **Rev.:** **Date:** 2/16/2004

Modifier:
Engine: O-320-D1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 30.0 +-0.5
Cwt Angle:

Non-HPI Governor:

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CLASSIC SPORT AIRCRAFT

Model: S/T-18
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YL-1F
Propeller T.C.: P27EA
Blade Model(s): F7663A-4
Prop Diameter: 72" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1859 Rev.: Date: 4/14/2004

Modifier:
Engine: O-320, IO-320
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.5 +-1.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7663A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

CLASSIC SPORT AIRCRAFT

Model: S/T-18
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA
Blade Model(s): F7068-2
Prop Diameter: 68.0" TO 67.0"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1861 Rev.: Date: 12/18/2001

Modifier:
Engine: (I)O-360 SERIES
Power: 200 HP @ 2700 RPM
Placard/Restr: Refer to TCDS P27EA note 9
Notes:

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	F2R00074	HC-F2YR-1F/F7068-2	1	A/C	
BLADE	F7068-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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CLASSIC SPORT AIRCRAFT

Model: S/T-18
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA

Blade Model(s): F7666A-4
Prop Diameter: 72" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2R00039	HC-F2YR-1F/F7666A-4	1	A/C	
BLADE	F7666A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F2-7A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1860 **Rev.:** **Date:** 12/18/2001

Modifier:
Engine: (I)O-360
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2350 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

CLASSIC SPORT AIRCRAFT

Model: S/T-18
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F7496-2
Prop Diameter: 72"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00653	HC-C2YR-1BF/F7496-2	1	A/C	
BLADE	F7496-2	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2020 **Rev.:** **Date:** 6/14/2007

Modifier:
Engine: XP360
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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CLASSIC SPORT AIRCRAFT

Model: S/T-18
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920

IDS No.: 2574 **Rev.:** **Date:** 9/6/2005
Modifier:
Engine: XP360
Power: 180 HP @ 2700 RPM
Placard/Restr: Continuous operation is prohibited above 22" manifold pressure between 2050 and 2200 RPM.

Blade Model(s): F7496-2
Prop Diameter: 72"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.0 +-0.2

Startlock Angle:
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R10402	HC-C2YR-1BFP/F7496-2	1	A/C	
BLADE	F7496-2	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

COLONIAL (REVO)

Model: C1
Trade Name: COLONIAL SKIMMER
Aircraft T.C./STC: 1A13
Propeller Model: HC-82XL-6L
Propeller T.C.:
Blade Model(s): L8046-6
Prop Diameter: 74" TO 72.5"

IDS No.: 445 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: O-320-A2A
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.7 +-0.2

Startlock Angle: NA
Feather/High Angle: 20.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	L8046-6	IDS ITEM, BLADE, HARTZITE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

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COLONIAL (REVO)

Model: C1
 Trade Name: COLONIAL SKIMMER
 Aircraft T.C./STC: 1A13
 Propeller Model: HC-82VL-6L, HC-A2VL-6L
 Propeller T.C.:
 Blade Model(s):
 Prop Diameter: 74" TO 72.5"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 11.7 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2168 Rev.: Date: 11/21/2003

Modifier:
 Engine: O-320-A2A
 Power: 150 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 20.0 +/-0.5
 Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

COMMANDER

Model: 114, 114A
 Trade Name:
 Aircraft T.C./STC: SA00326BO
 Propeller Model: HC-C3YR-1RF
 Propeller T.C.: P25EA
 Blade Model(s): F7693F*2
 F7693F-1*2
 Prop Diameter: 77" or 78"

Prop Setup:

Ref. Radius 30
 Reverse Angle:
 Low Pitch Angle: 12.0 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 3184 Rev.: 2 Date: 10/9/2013

Modifier: Aerodyme Corp
 Engine: IO-540-T4A5D, T4B5D, T4B5
 Power: 260 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle:
 Feather/High Angle: 31.0 +/- 1.0
 Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R01306	HC-C3YR-1RF/F7693F[*2]/SM35	1	A/C	
PROPELLER	C3R01375	HC-C3YR-1RF/F7693F-1[*2]/SM35	1	A/C	
PROPELLER	C3R01375KD	HC-C3YR-1RF/F7693F-1[*2]/SM35	1	A/C	
BLADE	F7693F*2	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
BLADE	F7693F-1*2	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
SPINNER	D-7709	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-7709P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	S-1-55	GOVERNOR ASSEMBLY, S-1-55	1	A/C	
SPIN MTG KIT	A-2476-35	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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COMMANDER

Model: see AERO COMMANDER

Trade Name:
Aircraft T.C./STC:
Propeller Model:

Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 447 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

COMMANDER

Model: 114, 114(A,B,TC)

Trade Name:
Aircraft T.C./STC: SA00241BO
Propeller Model: HC-M3YR-1RF

Propeller T.C.: P31EA
Blade Model(s): F7693F
 F7693F*2

Prop Diameter: 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.3 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2635 **Rev.:** 1 **Date:** 7/18/2013

Modifier: Aerodyme Corp.
Engine: IO-580-B1A
Power: 315 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	M3R00200	HC-M3YR-1RF/F7693F[*2]/SM35	1	A/C	
PROPELLER	M3R00200KD	HC-M3YR-1RF/F7693F[*2]/SM35	1	A/C	
BLADE	F7693F	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	Superseded by F7693F*2
BLADE	F7693F*2	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	Supersedes F7693F
SPINNER	D-7709	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-7709P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V-5-11	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-35	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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COMMANDER

Model: 114, 114(A,B,TC)
Trade Name:
Aircraft T.C./STC: SA00241BO
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693F*2
Prop Diameter: 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.3 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2549 **Rev.:** **Date:** 2/11/2010

Modifier: Aerodyme Corp.
Engine: IO-580-B1A
Power: 315 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00048	HC-C3YR-1RF/F7693F[*2]/SM35	1	A/C	
PROPELLER	C3R00048KD	HC-C3YR-1RF/F7693F[*2]/SM35	1	A/C	
BLADE	F7693F*2	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
SPINNER	D-7709	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-7709P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V-5-11	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-35	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

CONSOLIDATED

Model: see LAKE
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 448 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

HARTZELL

CROPLEASE

Model: see NORMAN AEROPLANE

Trade Name:

Aircraft T.C./STC:

Propeller Model:

Propeller T.C.:

Blade Model(s):

Prop Diameter:

Prop Setup:

Ref. Radius

Reverse Angle:

Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

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IDS No.: 449

Rev.:

Date: 10/2/1992

Modifier:

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle:

Non-HPI Governor:

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D.F.L HOLDINGS

Model: TANGO
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00019	HC-C2YR-1BF/F7666A/SM4	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1197 **Rev.:** **Date:** 3/11/2003

Modifier:
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2350 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

DE HAVILLAND

Model: DH104
Trade Name: DOVE
Aircraft T.C./STC: STC-SA168SO
Propeller Model: HC-A3VK-2A
Propeller T.C.: P6EA
Blade Model(s): V8433-4R
V8433N-4R
Prop Diameter: 80.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-4R	BLADE	3	Prop	
BLADE	V8433N-4R	BLADE	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-4	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	3	Prop	

IDS No.: 2169 **Rev.:** **Date:** 11/21/2003

Modifier: RILEY TURBOSTREAM
Engine: IO-720-A1A
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

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DE HAVILLAND

Model: DH104
Trade Name: DOVE
Aircraft T.C./STC: STC-SA168SO
Propeller Model: HC-A3MVK-2A
Propeller T.C.: P6EA
Blade Model(s): MV8433N-4R
Prop Diameter: 80.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-4R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-4	IDS Item	2	A/C	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

IDS No.: 453 **Rev.:** 1 **Date:** 1/7/2011

Modifier: RILEY TURBOSTREAM

Engine: IO-720-A1A

Power: 400 HP @ 2650 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 82.0 +-1.0

Cwt Angle: Positive

Non-HPI Governor:

DE HAVILLAND

Model: DH114
Trade Name: HERON
Aircraft T.C./STC: STC-SA816WE
Propeller Model: not procurable
Propeller T.C.:
Blade Model(s):
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.7 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
SPINNER	836-35LS	IDS Item	1	Prop	

IDS No.: 455 **Rev.:** **Date:** 5/17/1998

Modifier: CHARLES SCHACHLE

Engine: GYPSY QUEEN 30MK-2

Power: 250 HP @ 2500 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 83.0 +-1.0

Cwt Angle: Positive

Non-HPI Governor:

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DE HAVILLAND

Model: DH114
Trade Name: HERON
Aircraft T.C./STC: STC-SA629SO
Propeller Model: HC-83XK-2A, HC-A3XK-2A
Propeller T.C.: P6EA
Blade Model(s): 8433-7
Prop Diameter: 74.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-7	BLADE	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-4	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

IDS No.: 2170 **Rev.:** **Date:** 11/21/2003

Modifier: RILEY TURBOSTREAM

Engine: IO-540-G1B5

Power: 290 HP @ 2575 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 79.5 +0.5

Cwt Angle: Positive

Non-HPI Governor:

DE HAVILLAND

Model: DH114
Trade Name: HERON
Aircraft T.C./STC: STC-SA629SO
Propeller Model: HC-83VK-2A, HC-A3VK-2A
Propeller T.C.: P6EA
Blade Model(s): V8433-7
V8433N-7
Prop Diameter: 74.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-7	BLADE	3	Prop	
BLADE	V8433N-7	BLADE	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-4	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

IDS No.: 2171 **Rev.:** **Date:** 11/21/2003

Modifier: RILEY TURBOSTREAM

Engine: IO-540-G1B5

Power: 290 HP @ 2575 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 79.5 +0.5

Cwt Angle: Positive

Non-HPI Governor:

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DE HAVILLAND

Model: DH114
Trade Name: HERON
Aircraft T.C./STC: STC-SA629SO
Propeller Model: HC-A3MVK-2A
Propeller T.C.: P6EA
Blade Model(s): MV8433N-7
Prop Diameter: 74.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +/-0.1

IDS No.: 454 **Rev.:** 1 **Date:** 1/7/2011
Modifier: RILEY TURBOSTREAM
Engine: IO-540-G1B5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 79.5 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-7	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-2513-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-4	IDS Item	2	A/C	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

DE HAVILLAND

Model: DH114
Trade Name: HERON (MODIFIED)
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3TN-3DY
Propeller T.C.: P15EA
Blade Model(s): T10178B-11*3
T10178NB-11*3
Prop Diameter: 90.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +/-0.5
Low Pitch Angle: 19.0 +/-0.1

IDS No.: 457 **Rev.:** 2 **Date:** 6/4/2013
Modifier: SAUNDERS (ST-27)
Engine: PT6A-27
Power: 620 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: 0.5 +/-0.5
Feather/High Angle: 85.5 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10178B-11*3	IDS ITEM, BLADE	3	Prop	
BLADE	T10178NB-11*3	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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DE HAVILLAND

Model: DH114
Trade Name: HERON (MODIFIED)
Aircraft T.C./STC: Unknown
Propeller Model: HC-B4TN-3A
Propeller T.C.: P40EA
Blade Model(s): T10173F-12.5
 T10173FN-12.5
Prop Diameter: 90"

Prop Setup:

Ref. Radius 30
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 19.0 +-0.1

IDS No.: 458 **Rev.:** **Date:** 1/9/2004
Modifier: SAUNDERS (ST-27B)
Engine: PT6A-34
Power: 750 HP @ 2024 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10173F-12.5	BLADE	4	Prop	
BLADE	T10173FN-12.5	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	C-3425	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

DE HAVILLAND CANADA

Model: DHC-2
Trade Name: BOSS BEAVER
Aircraft T.C./STC: SA01186CH
Propeller Model: HC-B3TN-3DY
Propeller T.C.: P15EA
Blade Model(s): T10282N*1
Prop Diameter: 102.0" TO 100.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 21.0 +-0.1

IDS No.: 1788 **Rev.:** 3 **Date:** 6/4/2013
Modifier: WIPAIRE, INC
Engine: PT6A-27, 28
Power: 650 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: 1.0 +-1.0
Feather/High Angle: 87.0 +-1.0
Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10581	HCB3TN-3DY/T10282N[*1]	1	A/C	
PROPELLER	B3N10581S	HCB3TN-3DY/T10282N[*1]/3065-1P	1	A/C	
BLADE	T10282N*1	PCP:BLADE UNIT, ALUM [3,3,1]	3	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	6	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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DE HAVILLAND CANADA

Model: DHC-2 MKI
Trade Name: BEAVER
Aircraft T.C./STC: STC-SA590NW
Propeller Model: HC-B3R30-1
Propeller T.C.: P28EA
Blade Model(s): R10152-5.5
R10152N-5.5
Prop Diameter: 95.5" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	R10152-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	Replaced by R10152N-5.5
BLADE	R10152N-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-32SR	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

IDS No.: 461 **Rev.:** 1 **Date:** 1/7/2011
Modifier: KENMORE AIR HARBOR
Engine: R985
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 38.1 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

DE HAVILLAND CANADA

Model: DHC-2 MKI
Trade Name: BEAVER
Aircraft T.C./STC: STC-SA398NW
Propeller Model: HC-B3R30-4B
Propeller T.C.: P28EA
Blade Model(s): R10152-5.5
R10152N-5.5
Prop Diameter: 95.5" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3300077	HC-B3R30-4B/R10152N-5.5	1	A/C	
BLADE	R10152-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	REPLACED BY R10152N-5.5
BLADE	R10152N-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-32SR	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C4	GOVERNOR ASSEMBLY, C-4-()	1	A/C	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

IDS No.: 460 **Rev.:** 1 **Date:** 1/7/2011
Modifier: KENMORE AIR HARBOR
Engine: R985
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.1 +-2.0
Cwt Angle: Positive

Non-HPI Governor:

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DE HAVILLAND CANADA

Model: DHC-2 MKI
Trade Name: BEAVER
Aircraft T.C./STC: STC-SA709GL
Propeller Model: HC-B3R30-4, -4A, -4B
Propeller T.C.: P28EA
Blade Model(s): R10152-5.5
R10152N-5.5
Prop Diameter: 95.5" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 462 **Rev.:** 1 **Date:** 1/7/2011
Modifier: WIPAIR INC
Engine: R985
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.1 +-2.0
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3300078	HC-B3R30-4B/R10152N-5.5	1	A/C	
PROPELLER	B3300078KD	HC-B3R30-4B/R10152N-5.5	1	A/C	
BLADE	R10152-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	REPLACED BY R10152N-5.5
BLADE	R10152N-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-32PR	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C4	GOVERNOR ASSEMBLY, C-4-()	1	A/C	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

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DE HAVILLAND CANADA

Model: DHC-2 MKIII
Trade Name: TURBO BEAVER
Aircraft T.C./STC: A806
Propeller Model: HC-B3TN-3, -3B, -3BY
Propeller T.C.: P15EA
Blade Model(s): T10173C+1
 T10173CN+1
Prop Diameter: 102.5" TO 100.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -14.5 +-1.5
Low Pitch Angle: 15.0 +-0.1

IDS No.: 459 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: PT6A-6A,-20
Power: 550 HP @ 2200 RPM
Placard/Restr:
Notes: Fit (2) A-4731 carbon blocks.

Startlock Angle: 1.0 +-1.0
Feather/High Angle: 87.0 +-0.5
Cwt Angle: POSITIVE (-1.5 TO POS., PT6A-20)

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10226	HC-B3TN-3BY/T10173CN+1	1	A/C	
BLADE	T10173C+1	BLADE	3	Prop	
BLADE	T10173CN+1	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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DE HAVILLAND CANADA

Model: DHC-2 MKIII
Trade Name: BEAVER
Aircraft T.C./STC: STC SA620NE
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282N
 T10282NB*5
 T10282NK
Prop Diameter: 102.0" TO 100.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 21.0 +-0.2

IDS No.: 463 **Rev.:** 1 **Date:** 6/4/2013
Modifier: VIKING AIR LTD.
Engine: PT6A-27, -15AG, -34
Power: 680 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 87.0 +-0.5
Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282NB*5	IDS Item	3	Prop	
BLADE	T10282NK	IDS ITEM, BLADE	3	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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DE HAVILLAND CANADA

Model: DHC-2 MKIII
Trade Name: BEAVER
Aircraft T.C./STC: STC SA620NE
Propeller Model: HC-B3TN-3DY
Propeller T.C.: P15EA
Blade Model(s): T10282N
 T10282NB*5
 T10282NK
Prop Diameter: 102.0" TO 100.0"

IDS No.: 1566 **Rev.:** 1 **Date:** 6/4/2013
Modifier: VIKING AIR LTD.
Engine: PT6A-27, -15AG, -34
Power: 680 HP @ 2200 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 21.0 +-0.2

Startlock Angle: 1.0 +-1.0
Feather/High Angle: 87.0 +-0.5
Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282NB*5	IDS Item	3	Prop	
BLADE	T10282NK	IDS ITEM, BLADE	3	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

DE HAVILLAND CANADA

Model: DHC-2 MKIII
Trade Name: BEAVER
Aircraft T.C./STC: STC SA620NE, SA4326NM
Propeller Model: HC-B3TN-3BY
Propeller T.C.: P15EA
Blade Model(s): T10173CN+1
Prop Diameter: 102.5"

IDS No.: 1575 **Rev.:** **Date:** 3/11/2003
Modifier: VIKING AIR LTD.
Engine: PT6A-27, -15AG, -34
Power: 680 HP @ 2200 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: -14.5 +-0.5
Low Pitch Angle: 15.0 +-0.2

Startlock Angle: 1.0 +-1.0
Feather/High Angle: 87.0 +-0.5
Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10173CN+1	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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DE HAVILLAND CANADA

Model: DHC-2 MKIII
Trade Name: TURBO BEAVER
Aircraft T.C./STC: STC-SA3684NM
Propeller Model: HC-B3TN-3(D)(Y)
Propeller T.C.: P15EA
Blade Model(s): T10282
 T10282N
Prop Diameter: 102.0" TO 100"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 20.0 +-0.1

IDS No.: 465 **Rev.:** 2 **Date:** 6/4/2013
Modifier: KENMORE AIR HARBOR
Engine: PT6A-135(A)
Power: 600 HP @ 1900 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10282	BLADE	3	Prop	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

DE HAVILLAND CANADA

Model: DHC-2 MKIII
Trade Name: BEAVER
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3TN-3B
Propeller T.C.: P15EA
Blade Model(s): T10173C+1
 T10173CN+1
Prop Diameter: 102.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -14.5 +-0.5
Low Pitch Angle: 15.0 +-0.2

IDS No.: 1146 **Rev.:** **Date:** 1/9/2004
Modifier: VIKING AIR LTD.
Engine: PT6A-27, -15AG, -34
Power: 680 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 87.0 +-0.5
Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10173C+1	BLADE	3	Prop	
BLADE	T10173CN+1	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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DE HAVILLAND CANADA

Model: DHC-3
Trade Name: OTTER
Aircraft T.C./STC: STC SA3777NM
Propeller Model: HC-B3TN-3DY
Propeller T.C.: P15EA
Blade Model(s): T10282
 T10282N
Prop Diameter: 102.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 21.0 +-0.1

IDS No.: 466 **Rev.:** 2 **Date:** 6/4/2013
Modifier: SERV-AERO
Engine: PT6A-135
Power: 750 HP @ 1900 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282	BLADE	3	Prop	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-3434-12P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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DE HAVILLAND CANADA

Model: DHC-3
Trade Name: OTTER
Aircraft T.C./STC: STC-SA09866SC
Propeller Model: HC-B4TN-5NL
Propeller T.C.: P40EA

Blade Model(s): LT10890N*1
Prop Diameter: 109.5" TO 107.5"

Prop Setup:

Ref. Radius: 42
Reverse Angle: -11.5 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1698 **Rev.:** 1 **Date:** 1/10/2011
Modifier: TEXAS TURBINES
Engine: TPE-331-10
Power: 900 HP @ 1591 RPM
Placard/Restr: Stabilized ground operation is prohibited below 1081 (68%) rpm and between 1352 (85%) and 1464 (92%) rpm.
Notes: Blades are to have tip stripes on camber side only; uses 831-73 spring assembly

Startlock Angle: -1.4 TO -5.5 +-0.1

Feather/High Angle: 81.2 +-0.5

Cwt Angle: 2.0 +-1.0

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10983S	HC-B4TN-5NL/LT10890N[*1]/+SPIN	1	A/C	
PROPELLER	B4N10983SKD	HC-B4TN-5NL/LT10890N[*1]/+SPIN	1	A/C	
BLADE	LT10890N*1	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
SPINNER	D-3434-7P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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DE HAVILLAND CANADA

Model: DHC-3
Trade Name: OTTER
Aircraft T.C./STC: STC-SA3777NM
Propeller Model: HC-B3TN-3DY
Propeller T.C.: P15EA
Blade Model(s): T10282+4*1
 T10282N+4*1
Prop Diameter: 106.5"

IDS No.: 1147 **Rev.:** 4 **Date:** 6/4/2013
Modifier: A.M. LUTON
Engine: PT6A-135
Power: 750 HP @ 1900 RPM
Placard/Restr:
Notes: Start lock angle is set with blades within .2 degrees of each other. Fit two A-4731 Carbon Block Assemblies; Aircraft are modified by Serv-Aero for A.M. Luton.

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 21.0 +-0.1

Startlock Angle: 1.0 +-1.0
Feather/High Angle: 87.0 +-1.0
Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10595	HC-B3TN-3DY/T10282N+4[*1]	1	A/C	
PROPELLER	B3N10595KD	HC-B3TN-3DY/T10282N+4[*1]	1	A/C	
PROPELLER	B3N10595S	HC-B3TN-3DY/T10282N+4[*1]	1	A/C	
BLADE	T10282+4*1	IDS*ITEM, BLADE, [3,1,1]	3	Prop	
BLADE	T10282N+4*1	PCP:BLADE UNIT, ALUM [3,3,1]	3	Prop	
SPINNER	D-3434-12P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	6	Prop	
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	3	Prop	Optional in lieu of the B-3384-6H bolt (Use appropriate length screw/washer configuration to maintain clearance with clamp)
SPIN MTG KIT	B-3384-6H	BOLT, 1/4-28, HEX HEAD	3	Prop	Optional in lieu of the B-3384-5H bolt (Use appropriate length screw/washer configuration to maintain clearance with clamp)
SPIN MTG KIT	B-3384-8H	BOLT, 1/4-28, HEX HEAD	3	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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DE HAVILLAND CANADA

Model: DHC-3
Trade Name: OTTER
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3TN-3AEY
Propeller T.C.: P15EA
Blade Model(s): T10290N+2*1
Prop Diameter: 104"

Prop Setup:

Ref. Radius: 42
Reverse Angle: -16.0 +-0.5
Low Pitch Angle: 12.0 +-0.1

IDS No.: 1792 **Rev.:** 1 **Date:** 1/10/2011
Modifier: SERV-AERO
Engine: PT6A-135
Power: 750 HP @ 1900 RPM
Placard/Restr:
Notes:

Startlock Angle: 1.0 +-1.0
Feather/High Angle: 78.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10550	HC-B3TN-3AEY/T10290N+2[*1]	1	A/C	
PROPELLER	B3N10550KD	HC-B3TN-3AEY/T10290N+2[*1]	1	A/C	
PROPELLER	B3N10550S	HC-B3TN-3AEY/T10290N+2[*1]	1	A/C	
BLADE	T10290N+2*1	BLADE UNIT, ALUMINUM[3,1,1]	3	Prop	
SPINNER	D-3434-12P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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DE HAVILLAND CANADA

Model: DHC-4
Trade Name: TURBO CARIBOU
Aircraft T.C./STC: STC ST01294NY
Propeller Model: HC-B5MA-3M
Propeller T.C.: P44GL
Blade Model(s): M11691NK
Prop Diameter: 118.7" TO 118.2"

IDS No.: 468 **Rev.:** 2 **Date:** 4/10/2012
Modifier: PEN TURBO
Engine: PT6A-67
Power: 1281 HP @ 1700 RPM
Placard/Restr: refer to vibration approval
Notes:

Prop Setup:

Ref. Radius 42
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 16.9 +-0.1

Startlock Angle: NA
Feather/High Angle: 84.0 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5A10246	HC-B5MA-3M/M11691NK	2	A/C	
PROPELLER	B5A10246KD	HC-B5MA-3M/M11691NK	2	A/C	
PROPELLER	B5A10246S	HC-B5MA-3M/M11691NK/D-5497-P	2	A/C	
PROPELLER	B5A10246SKD	HC-B5MA-3M/M11691NK/D-5497-P	2	A/C	
BLADE	M11691NK	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-5497-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD		Prop	
SPIN MTG KIT	B-3808-4	NUT, HEX, SELF-LOCKING		Prop	
SPIN MTG KIT	B-3851-0463	WASHER		Prop	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3663-5	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H3101-7	DE-ICE BOOT	1	Prop	Supersedes 7931-4E3101-7
DE-ICE KIT_PR	7931-67-934-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3347	BOLT, MOUNTING, 9/16-18, 12 POINT	12	Prop	

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DE HAVILLAND CANADA

Model: DHC-6-100
Trade Name: TWIN OTTER
Aircraft T.C./STC: Unknown
Propeller Model: HC-D4N-3E
Propeller T.C.: P10NE

Blade Model(s): D9511FK*3
Prop Diameter: 96"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle: 20.0 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 474 **Rev.:** **Date:** 11/20/2006
Modifier: FIELD AVIATION
Engine: PT6A-20
Power: 550 HP @ 2200 RPM
Placard/Restr: Stabilized ground operation is prohibited between 440 (20%) and 1056 (43%) RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 86.1 +/-0.5
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00150S	HC-D4N-3E/D9511FK[*3]/D-630-P	2	A/C	
BLADE	D9511FK*3	PCP:BLADE UNIT, ALUM 4H2271-10	4	Prop	
SPINNER	D-630-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICE KIT_PR	7931-67-645-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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DE HAVILLAND CANADA

Model: DHC-6-300
Trade Name: TWIN OTTER
Aircraft T.C./STC: STC-SA00023NY
Propeller Model: HC-D4N-3E
Propeller T.C.: P10NE

Blade Model(s): D9511F
 D9511FK*3

Prop Diameter: 96.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle: 20.0 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 471 **Rev.:** **Date:** 11/20/2006
Modifier: FIELD AVIATION
Engine: PT6A-27
Power: 620 HP @ 2200 RPM
Placard/Restr: Stabilized ground operation is prohibited between 440 (20%) and 1056 (48%) RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 86.1 +/-0.5
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00150	HC-D4N-3E/D9511FK[*3]	2	A/C	
PROPELLER	D4N00152	HC-D4N-3E/D9511F	2	A/C	
PROPELLER	D4N00152S	HC-D4N-3E/D9511F/D-630-P	2	A/C	
BLADE	D9511F	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
BLADE	D9511FK*3	PCP:BLADE UNIT, ALUM 4H2271-10	4	Prop	
SPINNER	D-630-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	B-3384-2H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	8	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICE KIT_PR	7931-67-645-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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DE HAVILLAND CANADA

Model: DHC-6-300
Trade Name: TWIN OTTER
Aircraft T.C./STC: STC-SA3532NM
Propeller Model: HC-D4N-3C
Propeller T.C.: P10NE

IDS No.: 473 **Rev.:** 4 **Date:** 7/3/2013
Modifier: RAISBECK
Engine: PT6A-27, -34
Power: 620 HP @ 2200 RPM
Placard/Restr: Stabilized ground operation is prohibited below 1100 RPM (50% Np), except with the propeller feathered, operation at or below 400 RPM is permissible.

Blade Model(s): D9290K
Prop Diameter: 93" TO 92"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -9.0 +-0.5
Low Pitch Angle: 20.1 +-0.1

Startlock Angle: NA
Feather/High Angle: 84.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00148	HC-D4N-3C/D9290K/BULKHEAD/DEIC	2	A/C	
PROPELLER	D4N00148KD	HC-D4N-3C/D9290K/BULKHEAD/DEIC	2	A/C	
PROPELLER	D4N00148S	HC-D4N-3C/D9290K/D-630-7P	2	A/C	
PROPELLER	D4N00148SKD	HC-D4N-3C/D9290K/D-630-7P	2	A/C	
BLADE	D9290K	PCP:BLADE UNIT, ALUM 4H2271-12	4	Prop	
SPINNER	D-630-7	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-7P	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ dyn bal & univ sync holes
SPINNER	D-630-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 4H2271-10 & 7931-4E2271-10
DE-ICE KIT_PR	7931-67-450-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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DE HAVILLAND CANADA

Model: DHC-6-300
Trade Name: TWIN OTTER
Aircraft T.C./STC: STC SA100CH
Propeller Model: HC-B3TN-3D(Y)
Propeller T.C.: P15EA
Blade Model(s): T10282
 T10282*1
 T10282B*1
 T10282B*2
 T10282N
 T10282N*1
 T10282NB*1
 T10282NB*2
Prop Diameter: 102.0" TO 98.0"

IDS No.: 1272 **Rev.:** 3 **Date:** 6/4/2013
Modifier: WIPAIRE, INC.
Engine: PT6A-34
Power: 750 HP @ 2200 RPM
Placard/Restr:
Notes: B3N10581 and B3N10590 are -3DY.

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 21.0 +-0.1

Startlock Angle: 1.0 +-1.0
Feather/High Angle: 87.0 +-1.0
Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10581	HCB3TN-3DY/T10282N[*1]	2	A/C	
PROPELLER	B3N10581S	HCB3TN-3DY/T10282N[*1]/3065-1P	2	A/C	
PROPELLER	B3N10590	HC-B3TN-3DY/T10282NB[*1]	2	A/C	
BLADE	T10282	BLADE	3	Prop	
BLADE	T10282*1	IDS*ITEM, BLADE, [3,3,1]	3	Prop	
BLADE	T10282B*1	IDS*ITEM,4E1188-5 BOOT [3,3,1]	3	Prop	
BLADE	T10282B*2	IDS*ITEM,4E1188-5 BOOT @ 1.375	3	Prop	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282N*1	PCP:BLADE UNIT, ALUM [3,3,1]	3	Prop	
BLADE	T10282NB*1	PCP:BLADE UNIT,4H1188-5[3,3,1]	3	Prop	
BLADE	T10282NB*2	PCP:BLADE UNIT, ALUM 4H1188-5	3	Prop	
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	Qty=12 for -3D Prop Model
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	6	Prop	Qty=6 for -3DY Prop Model
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	3	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	9	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-090-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

DE HAVILLAND CANADA

Model: DHC-6-300
Trade Name: TWIN OTTER
Aircraft T.C./STC: STC SA743NE
Propeller Model: HC-B3TN-3DY
Propeller T.C.: P15EA
Blade Model(s): T10282
 T10282*1
 T10282B*2
 T10282N
 T10282N*1
 T10282NB*1
 T10282NB*2

Prop Diameter: 102.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 17.0 +-0.1

IDS No.: 472 **Rev.:** 2 **Date:** 6/4/2013

Modifier: VIKING AIR LTD.
Engine: PT6A-34
Power: 620 HP @ 2110 RPM
Placard/Restr:

Notes: For prop B3N10580 (18) B-3851-0463 are extra washers needed for assembly and shipment of a prop that doesn't have a bulkhead attached. The (18) washers are for setting Start-Lock angles. Discard the (18) washers upon installation to A/C.

Startlock Angle: 1.0 +-1.0
Feather/High Angle: 87.0 +-1.0
Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10580	HC-B3TN-3DY/T10282N[*1]	2	A/C	
PROPELLER	B3N10580S	HC-B3TN-3DY/T10282N[*1]	2	A/C	
PROPELLER	B3N10594S	HC-B3TN-3DY/T10282NB[*1]			
BLADE	T10282	BLADE	3	Prop	
BLADE	T10282*1	IDS*ITEM, BLADE, [3,3,1]	3	Prop	
BLADE	T10282B*2	IDS*ITEM,4E1188-5 BOOT @ 1.375	3	Prop	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282N*1	PCP:BLADE UNIT, ALUM [3,3,1]	3	Prop	
BLADE	T10282NB*1	PCP:BLADE UNIT,4H1188-5[3,3,1]	3	Prop	
BLADE	T10282NB*2	PCP:BLADE UNIT, ALUM 4H1188-5	3	Prop	
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2070-9	SCREW, 1/4-28, BUTTON HEAD	3	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	6	Prop	
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	3	Prop	
SPIN MTG KIT	B-3384-8H	BOLT, 1/4-28, HEX HEAD	3	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	3	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	9	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-090-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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DE HAVILLAND CANADA(Viking Air)

Model: DHC-6-100, -110, -200, -210

Trade Name: TWIN OTTER

Aircraft T.C./STC: A9EA

Propeller Model: HC-B3TN-3BY

Propeller T.C.: P15EA

Blade Model(s): T10173+1

T10173E+1

T10173N+1

T10173NE+1

T10173NE+1*1

Prop Diameter: 102.5" TO 100"

IDS No.: 469

Rev.: 2

Date: 5/6/2013

Modifier:

Engine: PT6A-20

Power: 550 HP @ 2200 RPM

Placard/Restr:

Notes: Aircraft using 4E1188-5 or 4H1188-5 deicers are limited to S/N 1 through 350 in accordance with DHC SB no. 6/292 and Hartzell Manual no. 180. Boot thermal and location accepted per deHavilland OEM data PPS 39-05. Canadian TC no. A-82. - 110 and -210 series aircraft approved in UK.

Prop Setup:

Ref. Radius 30

Reverse Angle: -14.0 +-0.5

Low Pitch Angle: 20.0 +-0.2

Startlock Angle: 1.0 +-1.0

Feather/High Angle: 87.0 +-0.5

Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10240	HC-B3TN-3BY/T10173NE+1[*1]/BUL	2	A/C	
BLADE	T10173+1	BLADE	3	Prop	
BLADE	T10173E+1	IDS*ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10173N+1	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10173NE+1	PCP:BLADE UNIT, ALUM 4H1188-3	3	Prop	
BLADE	T10173NE+1*1	PCP:BLADE UNIT, ALUM 4H1188-5	3	Prop	Uses 4H1188-5 de-icer
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-090-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-77-490	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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DEHAVILLAND

Model: CHIPMUNK
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: BHC-I2YF-4BF
Propeller T.C.: P42GL

Blade Model(s): FC8459A-4
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I2F00010	BHC-I2YF-4BF/FC8459A-4	1	A/C	
BLADE	FC8459A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-42	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-8	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

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IDS No.: 1931 **Rev.:** **Date:** 10/11/2002

Modifier:
Engine: IO-360-D
Power: 210 HP @ 2800 RPM
Placard/Restr: Avoid continuous operation between 2400 and 2700 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +/-1.0
Cwt Angle:

Non-HPI Governor:

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DEHAVILLAND CANADA

Model: DHC-6-100, -200
Trade Name: TWIN OTTER
Aircraft T.C./STC: SA01673NY
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282N
 T10282NB*2
Prop Diameter: 102" TO 100"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 17.0 +-0.5

IDS No.: 2640 **Rev.:** 3 **Date:** 5/31/2013
Modifier: ROCKY MOUNTAIN AIRCRAFT
Engine: PT6A-34
Power: 550 HP @ 2110 RPM
Placard/Restr:
Notes: Transport Canada STC SA01-76

Startlock Angle:
Feather/High Angle: 87.0 +-1.0
Cwt Angle: -1.5 TO POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10437	HC-B3TN-3D/T10282N/BULKHEAD	2	A/C	
PROPELLER	B3N10443	HC-B3TN-3D/T10282NB[*2]/BULK	2	A/C	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282NB*2	PCP:BLADE UNIT, ALUM 4H1188-5	3	Prop	
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	[IN DEICE KIT]
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	[IN DEICE KIT]
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	[IN DEICE KIT]
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	[IN DEICE KIT]
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	PRIMARY
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Alternate
CWT_SLUG	B-3851-0463	WASHER	2	Blade	PRIMARY
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-090-1*	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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DEHAVILLAND CANADA

Model: DHC-6-100, -200
Trade Name: TWIN OTTER
Aircraft T.C./STC: SA01673NY
Propeller Model: HC-B3TN-3DY
Propeller T.C.: P15EA
Blade Model(s): T10282N
 T10282NB*2
Prop Diameter: 102" TO 100"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 17.0 +-0.5

IDS No.: 2601 **Rev.:** 3 **Date:** 6/4/2013
Modifier: ROCKY MOUNTAIN AIRCRAFT
Engine: PT6A-34
Power: 550 HP @ 2110 RPM
Placard/Restr:
Notes: Transport Canada STC SA01-76

Startlock Angle: 1.0 +-1.0
Feather/High Angle: 87.0 +-1.0
Cwt Angle: -1.5 TO POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10579	HC-B3TN-3DY/T10282N/BULKHEAD	2	A/C	
PROPELLER	B3N10593	HC-B3TN-3DY/T10282NB[*2]/BULK	2	A/C	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282NB*2	PCP:BLADE UNIT, ALUM 4H1188-5	3	Prop	
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	3	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	9	Prop	[IN DEICE KIT]
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	[IN DEICE KIT]
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	[IN DEICE KIT]
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	[IN DEICE KIT]
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	PRIMARY
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Alternate
CWT_SLUG	B-3851-0463	WASHER	2	Blade	PRIMARY
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-090-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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DEHAVILLAND CANADA(VIKING AIR)

Model: DHC-6-1
Trade Name: TWIN OTTER
Aircraft T.C./STC: A9EA
Propeller Model: HC-B3TN-3BY
Propeller T.C.: P15EA
Blade Model(s): T10173+1
 T10173E+1
 T10173N+1
 T10173NE+1
 T10173NE+1*1
Prop Diameter: 102.5" TO 100"

IDS No.: 2690 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: PT6A-20
Power: 550 HP @ 2200 RPM
Placard/Restr:

Notes: Aircraft using 4E1188-5 or 4H1188-5 deicers are limited to S/N 1 through 350 in accordance with DHC SB no. 6/292 and Hartzell Manual no. 180. Boot thermal and location accepted per deHavilland OEM data PPS 39-05. Canadian TC no. A-82.

Prop Setup:

Ref. Radius: 30
Reverse Angle: -9.0 +-0.5
Low Pitch Angle: 20.0 +-0.2

Startlock Angle: 1.0 +-1.0
Feather/High Angle: 87.0 +-0.5
Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173+1	BLADE	3	Prop	
BLADE	T10173E+1	IDS*ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10173N+1	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10173NE+1	PCP:BLADE UNIT, ALUM 4H1188-3	3	Prop	
BLADE	T10173NE+1*1	PCP:BLADE UNIT, ALUM 4H1188-5	3	Prop	
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-090-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-77-490	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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deHavilland Canada(Viking Air)

Model: DHC-6-1
Trade Name: TWIN OTTER
Aircraft T.C./STC: A9EA
Propeller Model: HC-B3TN-3B
Propeller T.C.: P15EA
Blade Model(s): T10173N+1
 T10173NE+1
 T10173NE+1*1
Prop Diameter: 102.5" TO 100"

IDS No.: 2691 **Rev.:** 2 **Date:** 5/6/2013
Modifier:
Engine: PT6A-20
Power: 550 HP @ 2200 RPM
Placard/Restr:
Notes: Aircraft using 4E1188-5 or 4H1188-5 deicers are limited to S/N 1 through 350 in accordance with DHC SB no. 6/292 and Hartzell Manual no. 180. Boot thermal and location accepted per deHavilland OEM data PPS 39-05. Canadian TC no. A-82.

Prop Setup:

Ref. Radius: 30
Reverse Angle: -9.0 +/-0.5
Low Pitch Angle: 21.0 +/-0.2

Startlock Angle:
Feather/High Angle: 87.0 +/-0.5
Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10149	HC-B3TN-3B/T10173NE+1[*1]/BULK	2	A/C	
BLADE	T10173N+1	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10173NE+1	PCP:BLADE UNIT, ALUM 4H1188-3	3	Prop	
BLADE	T10173NE+1*1	PCP:BLADE UNIT, ALUM 4H1188-5	3	Prop	
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	[IN DEICE KIT]
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	7931-65-090-1*	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-77-490	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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DeHavilland Canada(Viking Air)

Model: DHC-6-100, -110, -200, -210
Trade Name: TWIN OTTER
Aircraft T.C./STC: A9EA
Propeller Model: HC-B3TN-3B
Propeller T.C.: P15EA
Blade Model(s): T10173+1
T10173N+1
T10173NE+1
T10173NE+1*1
Prop Diameter: 102.5" TO 100"

IDS No.: 1901 **Rev.:** 2 **Date:** 5/6/2013

Modifier:
Engine: PT6A-20
Power: 550 HP @ 2200 RPM
Placard/Restr:

Notes: Aircraft using 4E1188-5 or 4H1188-5 deicers are limited to S/N 1 through 350 in accordance with DHC SB no. 6/292 and Hartzell Manual no. 180. Boot thermal and location accepted per deHavilland OEM data PPS 39-05. Canadian TC no. A-82. - 110 and -210 series aircraft approved in UK.

Prop Setup:

Ref. Radius 30
Reverse Angle: -14.0 +0.5
Low Pitch Angle: 20.0 +0.2

Startlock Angle:
Feather/High Angle: 87.0 +0.5
Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10140	HC-B3TN-3B/T10173N+1	2	A/C	
PROPELLER	B3N10148	HC-B3TN-3B/T10173NE+1[*1]/BULK	2	A/C	
BLADE	T10173+1	BLADE	3	Prop	
BLADE	T10173N+1	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10173NE+1	PCP:BLADE UNIT, ALUM 4H1188-3	3	Prop	
BLADE	T10173NE+1*1	PCP:BLADE UNIT, ALUM 4H1188-5	3	Prop	
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	[IN DEICE KIT]
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	7931-65-090-1*	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-77-490	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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DeHavilland Canada(Viking Air)

Model: DHC-6-300, -310, -320

Trade Name: TWIN OTTER

Aircraft T.C./STC: A9EA

Propeller Model: HC-B3TN-3D

Propeller T.C.: P15EA

Blade Model(s): T10282B*2

T10282N

T10282NB*2

Prop Diameter: 102.0" TO 100"

Prop Setup:

Ref. Radius 30

Reverse Angle: -15.0 +-0.5

Low Pitch Angle: 21.0 +-0.2

IDS No.: 470

Rev.: 3

Date: 6/4/2013

Modifier:

Engine: PT6A-27

Power: 620 HP @ 2110 RPM

Placard/Restr:

Notes: Canadian TC no. A-82. -310 series approved in UK, -320 series approved in Australia

Startlock Angle:

Feather/High Angle: 87.0 +-0.5

Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10438	HC-B3TN-3D/T10282N	2	A/C	
PROPELLER	B3N10438KD	HC-B3TN-3D/T10282N	2	A/C	
PROPELLER	B3N10439	HC-B3TN-3D/T10282N/BULK	2	A/C	
PROPELLER	B3N10439KD	HC-B3TN-3D/T10282N/BULK	2	A/C	
PROPELLER	B3N10448	HC-B3TN-3D/T10282NB[*2]/BULK	2	A/C	NO DE-ICE KIT IN BOM
PROPELLER	B3N10448KD	HC-B3TN-3D/T10282NB[*2]/BULK	2	A/C	PROP BOM INCLUDES DE-ICE KIT
BLADE	T10282B*2	IDS*ITEM,4E1188-5 BOOT @ 1.375	3	Prop	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282NB*2	PCP:BLADE UNIT, ALUM 4H1188-5	3	Prop	
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	[IN DEICE KIT]
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-090-1*	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

DeHavilland Canada(Viking Air)

Model: DHC-6-300, -310, -320
Trade Name: TWIN OTTER
Aircraft T.C./STC: A9EA
Propeller Model: HC-B3TN-3DY
Propeller T.C.: P15EA
Blade Model(s): T10282B*2
 T10282NB*2
Prop Diameter: 102.0" TO 100"

IDS No.: 1930 **Rev.:** 2 **Date:** 6/4/2013
Modifier:
Engine: PT6A-27
Power: 620 HP @ 2110 RPM
Placard/Restr:
Notes: Canadian TC no. A-82. -310 series approved in UK, -320 series approved in Australia

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 21.0 +-0.2

Startlock Angle: 1.0 +-1.0
Feather/High Angle: 87.0 +-0.5
Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10592	HC-B3TN-3DY/T10282NB[*2]/BULK	2	A/C	
BLADE	T10282B*2	IDS*ITEM,4E1188-5 BOOT @ 1.375	3	Prop	
BLADE	T10282NB*2	PCP:BLADE UNIT, ALUM 4H1188-5	3	Prop	
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	3	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	6	Prop	
SP_MT_KIT_DE-ICE	A-2070-9	SCREW, 1/4-28, BUTTON HEAD	3	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-090-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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DERRINGER AIRCRAFT CORP.

Model: D-1
Trade Name: WING DERRINGER
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YL-2CUFP
Propeller T.C.: P-920
Blade Model(s): FC7068-2
Prop Diameter: 66" TO 64"

IDS No.: 2428 **Rev.:** **Date:** 1/29/2004
Modifier:
Engine: IO-320-B1C, C1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.2

Startlock Angle: 17.0 +-1.5
Feather/High Angle: 78.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L10500	HC-C2YL-2CUFP/FC7068-2	2	A/C	
BLADE	FC7068-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-29P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F-6-53BZ	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

DIAMOND AIRCRAFT

Model: DA 40
Trade Name:
Aircraft T.C./STC: SA01850CH
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F7495S
Prop Diameter: 74" TO 72" MIN

IDS No.: 1588 **Rev.:** **Date:** 6/16/2005
Modifier: HARTZELL PROPELLER
Engine: IO-360-M1A
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Startlock Angle: NA
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00028	HC-C2YR-1BF/F7495S/SM41	1	A/C	
PROPELLER	C2R00028STP	C2R00028/SM41/A-2295-P	1	A/C	
BLADE	F7495S	PCP:BLADE UNIT, ALUM [6,16,11]	2	Prop	
SPINNER	A-2295	SPINNER ASSEMBLY	1	Prop	
SPINNER	A-2295-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-41	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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DIAMOND AIRCRAFT

Model: DA40XL
Trade Name: DiamondStar
Aircraft T.C./STC: SA02476CH-D
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920
Blade Model(s): F7497*1
 F7497*2
Prop Diameter: 74" - 72"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.9 +-0.2

IDS No.: 2728 **Rev.:** **Date:** 11/28/2007
Modifier: Hartzell Propeller
Engine: IO-360-M1A
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Approved with or without PowerFlow exhaust system

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R10706	HC-C2YR-1BFP/F7497[*1]/SM41	1	A/C	
PROPELLER	C2R10708	HC-C2YR-1BFP/F7497[*2]/SM41			
BLADE	F7497*1	PCP:BLADE UNIT, ALUM [6,16,11]	2	Prop	
BLADE	F7497*2	PCP:BLADE UNIT, ALUM [6,15,11]	2	Prop	
SPINNER	A-2295	SPINNER ASSEMBLY	1	A/C	
SPINNER	A-2295-P	SPINNER ASSEMBLY	1	A/C	
GOVERNOR	S-1-6	GOVERNOR ASSEMBLY, S-1-6	1	A/C	
SPIN MTG KIT	A-2476-41	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	102603	KIT, OIL COOLER FACEPLATE	1	A/C	

DIAMOND AIRCRAFT

Model: DA40XL
Trade Name: DIAMONDSTAR
Aircraft T.C./STC: SA02476CH-D
Propeller Model: HC-C2YR-1N
Propeller T.C.: P-920
Blade Model(s): N7605
Prop Diameter: 76

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.2

IDS No.: 2727 **Rev.:** **Date:** 3/13/2008
Modifier: HARTZELL PROPELLER
Engine: IO-360-M1A
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Approved with or without PowerFlow exhaust system

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R31051	HC-C2YR-1N/N7605/SM41	1	A/C	
BLADE	N7605	PCP:BLADE ASSY, COMPOSITE	2	Prop	
SPINNER	A-2295	SPINNER ASSEMBLY	1	A/C	
SPINNER	A-2295-P	SPINNER ASSEMBLY	1	A/C	
GOVERNOR	S-1-6	GOVERNOR ASSEMBLY, S-1-6	1	A/C	
SPIN MTG KIT	A-2476-41	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	102603	KIT, OIL COOLER FACEPLATE	1	A/C	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (12")

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DORNIER

Model: DO27Q-6
Trade Name:
Aircraft T.C./STC: A8IN
Propeller Model: HC-A2X20-1, HC-82X20-1A, HC-A2X20-1A, HC-82X20-1B
Propeller T.C.: P24EA
Blade Model(s):
Prop Diameter: 98" TO 96"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.6 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
SPINNER	835-15	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2172 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GO-480-B1A6
Power: 270 HP @ 2182 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 31.9 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

DORNIER

Model: DO27Q-6
Trade Name:
Aircraft T.C./STC: A8IN
Propeller Model: HC-A2V20-1A
Propeller T.C.: P24EA
Blade Model(s): V10133N-3
Prop Diameter: 98" TO 96"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.6 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V10133N-3	BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-15	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2315 **Rev.:** **Date:** 11/24/2003

Modifier:
Engine: GO-480-B1A6
Power: 270 HP @ 2182 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 31.9 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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DORNIER

Model: DO27Q-6
Trade Name:
Aircraft T.C./STC: A81N
Propeller Model: HC-A2MV20-1A
Propeller T.C.: P24EA
Blade Model(s): MV10133N-3
Prop Diameter: 98" TO 96"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.6 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 477 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: GO-480-B1A6
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.9 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A2210100	HC-A2MV20-1A/MV10133N-3	1	A/C	
BLADE	MV10133N-3	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-15	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

DORNIER

Model: DO28A-1
Trade Name:
Aircraft T.C./STC: 7A13
Propeller Model: HC-A2MVK-2
Propeller T.C.: P24EA
Blade Model(s): MV8433N-2
Prop Diameter: 82.3" TO 82"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 478 **Rev.:** **Date:** 1/14/2004

Modifier:
Engine: O-540-A1D
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-14	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	ALT

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DORNIER

Model: DO28A-1
 Trade Name:
 Aircraft T.C./STC: 7A13
 Propeller Model: HC-82XK-2, HC-A2XK-2
 Propeller T.C.: P24EA
 Blade Model(s): 8433-2
 Prop Diameter: 82.3" TO 82"

IDS No.: 2173 Rev.: Date: 1/14/2004

Modifier:
 Engine: O-540-A1D
 Power: 250 HP @ 2575 RPM
 Placard/Restr:
 Notes:

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 13.0 +-0.2

Startlock Angle: NA
 Feather/High Angle: 82.0 +-1.0
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-2	BLADE	2	Prop	
SPINNER	835-14	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	2	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	ALT

DORNIER

Model: DO28A-1
 Trade Name:
 Aircraft T.C./STC: 7A13
 Propeller Model: HC-82VK-2, HC-A2VK-2
 Propeller T.C.: P24EA
 Blade Model(s): V8433-2
 V8433N-2
 Prop Diameter: 82.3" TO 82"

IDS No.: 2175 Rev.: Date: 1/14/2004

Modifier:
 Engine: O-540-A1D
 Power: 250 HP @ 2575 RPM
 Placard/Restr:
 Notes:

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 13.0 +-0.2

Startlock Angle: NA
 Feather/High Angle: 82.0 +-1.0
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-2	BLADE	2	Prop	
BLADE	V8433N-2	BLADE	2	Prop	
SPINNER	835-14	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	ALT

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DORNIER

Model: DO28B-1
Trade Name:
Aircraft T.C./STC: 7A13
Propeller Model: HC-83VK-2C, HC-A3VK-2C
Propeller T.C.: P6EA
Blade Model(s): V8433-4
 V8433N-4
Prop Diameter: 80.6" TO 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.2

IDS No.: 2174 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-540-A1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-4	BLADE	3	Prop	
BLADE	V8433N-4	BLADE	3	Prop	
SPINNER	C-2513	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

DORNIER

Model: DO28B-1
Trade Name:
Aircraft T.C./STC: 7A13
Propeller Model: HC-A3MVK-2C
Propeller T.C.: P6EA
Blade Model(s): MV8433N-4
Prop Diameter: 80.6" TO 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.2

IDS No.: 479 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: IO-540-A1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-2513	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

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DORNIER

Model: DO28D, DO28D-1
Trade Name: SKYSERVANT
Aircraft T.C./STC: A16EU
Propeller Model: HC-B3W30-2B
Propeller T.C.: P2EA
Blade Model(s): W10151-8R
 W10151B-8R
 W10151N-8R
 W10151NB-8R

Prop Diameter: 93.5" TO 93"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +-0.3

IDS No.: 480 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: IGSO-540-A1E
Power: 380 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85(T.C.),86(Hz)
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	W10151-8R	BLADE UNIT, ALUMINUM	3	Prop	REPLACED BY W10151N-8R
BLADE	W10151B-8R	BLADE UNIT, ALUMINUM	3	Prop	REPLACED BY W10151NB-8R
BLADE	W10151N-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	W10151NB-8R	BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-31SPR	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	2	A/C	
CWT_SLUG	A-619-2	SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICE KIT_PR	7931-77-860	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	B-1814	IDS Item	1	Prop	Secondary
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	Primary

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DORNIER

Model: 128-6
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282B-9.5
 T10282NB-9.5
Prop Diameter: 93.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.75 +-0.25
Low Pitch Angle: 18.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 475 **Rev.:** 2 **Date:** 6/4/2013

Modifier:
Engine: PT6A-110
Power: 450 HP @ 1900 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282B-9.5	IDS*ITEM, BLADE	3	Prop	
BLADE	T10282NB-9.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-375	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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DORNIER

Model: DO228-100,101,200,201,202

Trade Name: COMMUTER

Aircraft T.C./STC: A16EU

Propeller Model: HC-B4TN-5ML

Propeller T.C.: P40EA

Blade Model(s): LT10574FNS
 LT10574FNBS
 LT10574FNBS*1
 LT10574FS
 LT10574FSB
 LT10574FSB*1

Prop Diameter: 106.0" TO 105.0"

Prop Setup:

Ref. Radius 42

Reverse Angle: -16.0 +-0.5

Low Pitch Angle: see DO228 manual

IDS No.: 481

Rev.: 1

Date: 1/7/2011

Modifier:

Engine: TPE331-5-252D

Power: 715 HP @ 1591 RPM

Placard/Restr: Minimum gross weight applicable to all models is 3255 Kg (7132 lbs.) Avoid sustained operation below 1050 RPM during ground operation.

Notes: Paint clamp assy's & B-3663-2 & A-3039 slugs per cust. request; FOR PROP B4N10975KD (48) B-3851-0463 are extra washers needed for Assy and shipment of a prop that doesn't have a blkhd attached. The (48) washers are for setting Start-Lock angles. Discard the (48) washers upon prop install. to A/C.

Startlock Angle: -8.0 +-0.2

Feather/High Angle: 76.0 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10975	HC-B4TN-5ML/LT10574FNS	2	A/C	
PROPELLER	B4N10975KD	HC-B4TN-5ML/LT10574FNS	2	A/C	
BLADE	LT10574FNS	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	LT10574FNBS	PCP:BLADE UNIT, 4E2635-10	4	Prop	
BLADE	LT10574FNBS*1	PCP:BLADE UNIT, 4H2598-10	4	Prop	
BLADE	LT10574FS	BLADE	4	Prop	
BLADE	LT10574FSB	BLADE	4	Prop	
BLADE	LT10574FSB*1	IDS*ITEM, 4E2598-10 BOOT	4	Prop	
SPINNER	D-3434-7	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-2	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2598-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2598-10
DE-ICER	4H2635-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2635-10
DE-ICER	7931-4E2635-7	PROP DE-ICER	1	Blade	Blade Component
DE-ICE KIT_PR	7931-65-470-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-65-470-3	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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DORNIER

Model: DO228-212
Trade Name: COMMUTER
Aircraft T.C./STC: A16EU
Propeller Model: HC-B4TN-5ML
Propeller T.C.: P40EA

IDS No.: 482 **Rev.:** 5 **Date:** 7/3/2013
Modifier:
Engine: TPE331-5A-252D
Power: 776 HP @ 1591 RPM
Placard/Restr: Minimum gross weight applicable to all models is 3255 Kg (7132 lbs.) The following restrictions applies to all models: "Avoid sustained operation below 1050 RPM during ground operation." The blades are shot peened between blade stations 7.0 and 30.0 on both face and camber sides.

Blade Model(s): LT10574FNSB
 LT10574FNSB*1
 LT10574FSB
 LT10574FSB*1
Prop Diameter: 106.0" TO 105.0"

Notes: Engine Ratings Note: TPE-5A-252D (840hp) 4E2635-10 17.25" (65-470-1); 4E2598-10 21" (65-470-3) Feather angle set per customer request 3/23/89.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -16.0 +-0.5
Low Pitch Angle: see DO228 manual

Startlock Angle: -8.0 +-0.2
Feather/High Angle: 76.0 +-0.5
Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10940	HC-B4TN-5ML/LT10574FNSB[*1]	2	A/C	Prop assembly, includes prop side de-ice, but no bulkhead. Blades with 4H2598-10 de-icer
PROPELLER	B4N10940KD	HC-B4TN-5ML/LT10574FNSB[*1]	2	A/C	Prop assembly, includes prop side de-ice, but no bulkhead. Blades with 4H2598-10 de-icer. Knocked down for shipment
PROPELLER	B4N10940SKD	HC-B4TN-5ML/LT10574FNSB[*1]	2	A/C	Prop assembly, includes prop side de-ice and full spinner with dome. Blades with 4H2598-10 de-icer. Knocked down for shipment.
PROPELLER	B4N10941	HC-B4TN-5ML/LT10574FNSB[*1]	2	A/C	Prop assembly, includes bulkhead and prop side de-ice. Blades with 4H2598-10 de-icer
PROPELLER	B4N10965	HC-B4TN-5ML/LT10574FNSB	2	A/C	Prop assembly, includes prop side de-ice, but no bulkhead. Blades with 4H2635-10 de-icer. Knocked down for shipment.
PROPELLER	B4N10965KD	HC-B4TN-5ML/LT10574FNSB	2	A/C	
BLADE	LT10574FNSB	PCP:BLADE UNIT, 4E2635-10	4	Prop	
BLADE	LT10574FNSB*1	PCP:BLADE UNIT, 4H2598-10	4	Prop	
BLADE	LT10574FSB	BLADE	4	Prop	
BLADE	LT10574FSB*1	IDS*ITEM, 4E2598-10 BOOT	4	Prop	
SPINNER	D-3434-7	SPINNER ASSEMBLY	1	Prop	Buffed spinner, surface suitable for paint
SPINNER	D-3434-7P	SPINNER ASSEMBLY	1	Prop	Polished spinner
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	Included with every propeller on this IDS
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	Included with every propeller on this IDS
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	Included with every propeller on this IDS
CWT_SLUG	B-3663-2	PCP:SLUG, COUNTERWEIGHT	1	Blade	Included with every propeller on this IDS
CWT_SLUG	B-3834-0632	WASHER	2	Blade	Included with every propeller on this IDS
DE-ICER	4H2598-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2598-10
DE-ICER	4H2635-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2635-10

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DE-ICER	7931-4E2635-7	PROP DE-ICER	1	Blade	Blade Component
DE-ICE KIT_PR	7931-65-470-1	DE-ICE KIT (ONE PROP)	1	Prop	Kit used in conjunction with LT10574FNSB blade (4E2635-10 boot)
DE-ICE KIT_PR	7931-65-470-3	DE-ICE KIT (ONE PROP)	1	Prop	Kit used in conjunction with LT10574FNSB*1 blade (4H2598-10 boot)
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	Included with every propeller on this IDS

DORNIER

Model: DO328-110

Trade Name:

Aircraft T.C./STC: A45NM

Propeller Model: HD-E6C-3B

Propeller T.C.: P34NE

IDS No.: 1152

Rev.: 1

Date: 9/9/2011

Modifier:

Engine: PW119B

Power: 2180 HP @ 1300 RPM

Placard/Restr: A) Stabilized ground operation is prohibited between 350 and 600 RPM. The propeller may be operated when feathered at or below 350 RPM. B) Avoid stabilized ground operation between 750 and 925 RPM whenever surface winds are from behind the propeller disk and are above 25 knots.

Blade Model(s): E13890K

E13890K(SO)

Prop Diameter: 142.0"

Notes: Beta Light Switch activation: 3.0 +-1.0 below low pitch setting. Reference Maintenance Manual 161 for Airworthiness limitations.

Prop Setup:

Ref. Radius 54

Reverse Angle: -15.1 +-0.5

Low Pitch Angle: 17.0 +-0.1

Startlock Angle: NA

Feather/High Angle: 77.0 +-0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E6C00058	HDE6C-3B COMP.LESS TUBE & DOME	2	A/C	
PROPELLER	E6C00058KD	HD-E6C-3B/COMP. LESS TUBE/DOME	2	A/C	
BLADE	E13890K	PCP:BLADE ASSY, COMPOSITE	6	Prop	
BLADE	E13890K(SO)	PCP:BLADE, SHIP-OUT W/ BEARING	6	Prop	SHIP-OUT BLADE
SPINNER	E-5579-6	SPINNER ASSEMBLY, COMPOSITE	1	Prop	
GOVERNOR	D-1199-2	PROPELLER CONTROL UNIT	2	A/C	
DE-ICER	7931-B6442	PROP DE-ICER	1	Blade	Blade Component
DE-ICER	B-6442	DE-ICE BOOT	1	Blade	Supersedes 7931-B6442
DE-ICE KIT_PR	7931-E6244-1	DE-ICE KIT	1	Prop	
DE-ICE KIT_A/F	7931-E6244-2	AIRFRAME DE-ICE KIT	2	A/C	
MTG BOLT/STUD	C-6006	NUT,MOUNTING,9/16-18,12 POINT	16	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (36")
MISC ACCES	B-6324	AIRFRAME ELEC.HARDWARE	1	A/C	
MISC ACCES	B-6325	ENGINE MOUNTED ACCESS.	2	A/C	

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DOUGLAS

Model: DC-3C
Trade Name:
Aircraft T.C./STC: STC SA3820SW
Propeller Model: HC-B5MP-3C
Propeller T.C.: P44GL

IDS No.: 484 **Rev.:** 1 **Date:** 1/7/2011
Modifier: GREENWICH AIRCRAFT CORP.
Engine: PT6A-65AR
Power: 1230 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation below 900 RPM is prohibited, except when propeller is feathered operation at or below 400 RPM is permissible. Stabilized operation between 1170 & 1400 RPM is prohibited. Recommendation: Taxi between 900 & 1170 RPM in order to keep operation to a minimum through 1170-1400 RPM range in cross tail winds, advance through 1170 RPM only after aircraft is lined up with runway for take-off.

Blade Model(s): M10876ANS
M10876ANSK
M10876NS
M10876NSK

Notes: Refer to IDS 1270 for same STC with PT6A-67R engine.

Prop Diameter: 111.2"

Prop Setup:

Ref. Radius: 42
Reverse Angle: -11.0 +/-0.5
Low Pitch Angle: 13.0 +/-0.2

Startlock Angle: NA
Feather/High Angle: 79.0 +/-0.5
Cwt Angle: 2.5 +/-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10102KD	HC-B5MP-3C/M10876ANSK/BULKHEAD 2		A/C	
PROPELLER	B5P10102S	HC-B5MP-3C/M10876ANSK/D3434-8P			
PROPELLER	B5P10102SKD	HC-B5MP-3C/M10876ANSK/D3434-8P	2	A/C	
BLADE	M10876ANS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10876ANSK	PCP:BLADE UNIT, ALUM, 4H2595-7	5	Prop	
BLADE	M10876NS	IDS ITEM, BLADE	5	Prop	
BLADE	M10876NSK	IDS ITEM, BLADE, 4E2595-7 BOOT	5	Prop	
SPINNER	D-3434-8	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-8P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
SP_MT_KIT_DE-ICE	B-3384-8H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	10	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	10	Prop	
CWT_SLUG	B-3343	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2595-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2595-7
DE-ICE KIT_PR	7931-67-570-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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DOUGLAS

Model: DC-3C
Trade Name:
Aircraft T.C./STC: STC-SA4840NM
Propeller Model: HC-B5MA-3
Propeller T.C.: P44GL
Blade Model(s): M11276K
 M11276NK
Prop Diameter: 115.2" TO 114.7"

Prop Setup:

Ref. Radius 42
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 14.5 +-0.1

IDS No.: 483 **Rev.:** **Date:** 11/16/2009
Modifier: BASLER TURBO CONVERSIONS
Engine: PT6A-67R
Power: 1281 HP @ 1700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.1 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5A10020S	HC-B5MA-3/M11276NK/D-5497-P	2	A/C	
BLADE	M11276K	BLADE, 4E2595-7 BOOT	5	Prop	
BLADE	M11276NK	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-5497-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3837-0432	WASHER, CORROSION RESISTANT	10	Prop	
SPIN MTG KIT	B-3874-10A	BOLT, 1/4-28, HEX HEAD	10	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2595-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2595-7
DE-ICE KIT_PR	7931-67-625-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	

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DOUGLAS

Model: DC-3C
Trade Name:
Aircraft T.C./STC: STC SA3820SW
Propeller Model: HC-B5MA-3J
Propeller T.C.: P44GL

IDS No.: 1270 **Rev.:** 1 **Date:** 9/12/2011
Modifier: GREENWICH AIRCRAFT CORP.
Engine: PT6A-67R
Power: 1230 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation below 900 RPM prohibited, except when prop is feathered operation at or below 400 RPM is permissible. B. Stabilized ground operation between 1170 & 1400 RPM is prohibited. C. Engine must be equipped with a propeller governor capable of scheduling down to at least 1170 RPM.

Blade Model(s): M10876ANS
M10876ANSK*3
M10876AS
Prop Diameter: 111.0" TO 110.7"

Notes: Refer to IDS 484 for same STC with PT6A-65AR engine. Reference Manual 139 for Airworthiness Limitaitons.

Prop Setup:

Ref. Radius 42
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 13.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 79.0 +-0.5
Cwt Angle: 2.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	M10876ANS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10876ANSK*3	IDS ITEM, BLADE, 4E2595-7 BOOT	5	Prop	
BLADE	M10876AS	BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-5574-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	B-3343	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2595-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2595-7
DE-ICE KIT_PR	7931-67-855-1	DE-ICE KIT	1	Prop	
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	

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DOUGLAS

Model: DC-3C
Trade Name:
Aircraft T.C./STC: SA4840NM
Propeller Model: HC-B5MA-3M
Propeller T.C.: P44GL

IDS No.: 1834 **Rev.:** 1 **Date:** 1/10/2011
Modifier: BASLER
Engine: PT6A-67R
Power: 1281 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation is prohibited between 400 and 900 RPM. The propeller may be operated when feathered at or below 400 RPM.; Stabilized ground operation is prohibited above 1600 RPM except when aircraft is headed into the wind. For downwind takeoffs advance above 1600 RPM only after brake release.

Blade Model(s): M11691NS
M11691NSK
Prop Diameter: 118.7" TO 118.2"

Notes:

Prop Setup:

Ref. Radius 42
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 16.9 +-0.1

Startlock Angle: NA
Feather/High Angle: 84.0 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5A10242S	HC-B5MA-3M/M11691NSK/D-5497P	2	A/C	
PROPELLER	B5A10242SKD	HC-B5MA-3M/M11691NSK/D-5497P	2	A/C	
PROPELLER	B5A10244	HC-B5MA-3M/M11691NS	2	A/C	
PROPELLER	B5A10244S	HC-B5MA-3M/M11691NS/D-5497P	2	A/C	
BLADE	M11691NS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M11691NSK	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-5497-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-6H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	10	Prop	
SP_MT_KIT_DE-ICE	B-3874-10A	BOLT, 1/4-28, HEX HEAD	10	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-5	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2595-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2595-7
DE-ICE KIT_PR	7931-67-625-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	

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DREAM AIRCRAFT

Model: Tundra
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

Blade Model(s): F8477-4*2
Prop Diameter: 80" to 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 10.0 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00066	HC-C2YR-1BF/F8477-4[*2]/SM16	1	A/C	
BLADE	F8477-4*2	PCP:BLADE UNIT, ALUM [6,1,1]	2	Prop	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	C-1576	DAMPER ASSEMBLY	1	Prop	

IDS No.: 2960 **Rev.:** **Date:** 3/10/2010

Modifier:

Engine: XP-0-360-B1BC2

Power: 180 HP @ 2700 RPM

Placard/Restr: C-1576 Damper Assembly must be installed with this prop.

Notes:

Startlock Angle:

Feather/High Angle: 31.0 +/- 1.0

Cwt Angle:

Non-HPI Governor:

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EL GAVILAN S.A.

Model: 358
Trade Name: GAVILAN
Aircraft T.C./STC: A00002NY
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80" NO CUTOFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.4 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1651 **Rev.:** **Date:** 4/28/1999
Modifier:
Engine: TIO-540-W2A
Power: 350 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00071	HC-C3YR-1RF/F8468A-6R/SM6	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3570	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V3-9	GOVERNOR ASSEMBLY, V-3-(-)	1	A/C	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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EMBRAER

Model: EMB-110-P1,-P2
Trade Name: BANDEIRANTE
Aircraft T.C./STC: A21SO
Propeller Model: HC-B3TN-3C, HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10178B-8R
 T10178NB-8R

IDS No.: 486 **Rev.:** 3 **Date:** 6/4/2013
Modifier:
Engine: PT6A-34
Power: 750 HP @ 2200 RPM
Placard/Restr:
Notes: Spinner see SA 8

Prop Diameter: 93.5" TO 93.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 20.2 +-0.2

Startlock Angle: NA
Feather/High Angle: 88.1 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10295	HC-B3TN-3C/T10178NB-8R/DE-ICE	2	A/C	
PROPELLER	B3N10295KD	HC-B3TN-3C/T10178NB-8R/DE-ICE	2	A/C	
BLADE	T10178B-8R	BLADE (NO.6), 4E1188-6 BOOT	3	Prop	
BLADE	T10178NB-8R	T10178N-8R BLADE,4H1188-6 BOOT	3	Prop	
SPINNER	D-3434-12P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-17P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-5	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-5P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-6	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-6P	SPINNER ASSEMBLY	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-6	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-6
DE-ICE KIT_PR	7931-77-910-1	77-910-1 PROPELLER DEICING KIT	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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EMBRAER

Model: EMB-121A1
Trade Name: XINGU
Aircraft T.C./STC: Unknown
Propeller Model: HC-B4TN-3C
Propeller T.C.: P40EA
Blade Model(s): T9212B
T9212NB
Prop Diameter: 93"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 17.2 +-0.2

IDS No.: 487 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: PT6A-135
Power: 750 HP @ 1900 RPM
Placard/Restr:
Notes: HC-B4TN-3C replaces HC-B4TN-3

Startlock Angle: NA
Feather/High Angle: 86.0 +-1.0
Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10020	HC-B4TN-3C/T9212NB/BULKHEAD	2	A/C	
BLADE	T9212B	BLADE UNIT, 4E1188-5	4	Prop	
BLADE	T9212NB	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-3434-18P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-13	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-14	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-15H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	4	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	4	Blade	
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-445-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

EMBRAER

Model: EMB-200A
Trade Name: IPANEMA
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 488 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: O-540-H1B5D
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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EMBRAER

Model: EMB-201A, -202
Trade Name: IPANEMA
Aircraft T.C./STC: Unknown
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468-2R
F8468A-2R
Prop Diameter: 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.2

IDS No.: 490 **Rev.:** **Date:** 4/7/2003
Modifier:
Engine: IO-540-K1J5D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00051	HC-C3YR-1RF/F8468A-2R	1	A/C	
PROPELLER	C3R00051KD	HC-C3YR-1RF/F8468A-2R	1	A/C	
BLADE	F8468-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F8468A-2R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	835-36	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-36P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F-4-36	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

EMBRAER

Model: EMB-201A, -202
Trade Name: IPANEMA
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8475R
Prop Diameter: 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 489 **Rev.:** **Date:** 9/9/2002
Modifier:
Engine: IO-540-K1F5D, -K1J5D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00050	HC-C2YR-1BF/F8475R	1	A/C	
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F-4-36	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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EMBRAER

Model: EMB-312
Trade Name: TUCANO
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3TN-3C, 3D
Propeller T.C.: P15EA
Blade Model(s): T10178-8R
 T10178K-8R
 T10178N-8R
 T10178N-8R*1
 T10178NK-8R
Prop Diameter: 93.5" TO 91.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 20.1 +-0.2

IDS No.: 491 **Rev.:** 5 **Date:** 6/4/2013
Modifier:
Engine: PT6A-25C
Power: 750 HP @ 2200 RPM
Placard/Restr:
Notes: Min diameter is per vibration approval.
 Reference Manual 139 for Airworthiness
 Limitations.

Startlock Angle: NA
Feather/High Angle: 88.1 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10275	HC-B3TN-3C/T10178N-8R	1	A/C	
PROPELLER	B3N10275KD	HC-B3TN-3C/T10178N-8R	1	A/C	
BLADE	T10178-8R	BLADE	3	Prop	
BLADE	T10178K-8R	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178N-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10178N-8R*1	BLADE UNIT, ALUMINUM [3,1,1]	3	Prop	
BLADE	T10178NK-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065-11	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-11P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-17P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4e2200-10
DE-ICE KIT_PR	7931-67-610-1	67-610-1 PROPELLER DEICING KIT	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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EMBRAER

Model: EMB-314
Trade Name: SUPER TUCANO
Aircraft T.C./STC: Unknown
Propeller Model: HC-B5MA-2
Propeller T.C.: P44GL

IDS No.: 1886 **Rev.:** 3 **Date:** 4/9/2013
Modifier:
Engine: PT6A-68C
Power: 1600 HP @ 2000 RPM
Placard/Restr: Avoid continuous ground operation between 500 to 800 RPM, 1050 to 1350 RPM and 1750 to 1950 RPM.
Notes: Reference Manual 139 for Airworthiness Limitations.

Blade Model(s): M9128NSK
Prop Diameter: 94

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 86.6 +-0.5
Cwt Angle: 22.9 +-1.5

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5A10001	HC-B5MA-2/M9128NSK	1	A/C	
PROPELLER	B5A10001KD	HC-B5MA-2/M9128NSK	1	A/C	
PROPELLER	B5A10001S	HC-B5MA-2/M9128NSK/D-5497-3	1	A/C	
PROPELLER	B5A10001SKD	HC-B5MA-2/M9128NSK/D-5497-3	1	A/C	
PROPELLER	B5A10005S	HC-B5MA-2/M9128NSK/D-5497-4	1	A/C	
PROPELLER	B5A10005SKD	HC-B5MA-2/M9128NSK/D-5497-4	1	A/C	
BLADE	M9128NSK	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-5497-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5497-3P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5497-4	SPINNER ASSEMBLY	1	Prop	with laser range finder holes
SP_MT_KIT_DE-ICE	B-3384-10H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	10	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	10	Prop	
CWT_SLUG	A-890-16	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-4H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	B-3851-0463	WASHER	2	Blade	
CWT_SLUG	C-6081	PCP:SLUG, COUNTERWEIGHT	1	Blade	
DE-ICER	4H3064-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3064-1
DE-ICE KIT_PR	7931-67-840-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	

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EMBRAER/NEIVA

Model: EMB-710C & 710
Trade Name: CARIOCA
Aircraft T.C./STC: EA-7503
Propeller Model: HC-C2YK-1(J)F
Propeller T.C.: P-920
Blade Model(s): F8468A-4
Prop Diameter: 80.0" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner: PIPER

IDS No.: 2534 **Rev.:** **Date:** 6/7/2005

Modifier:
Engine: O-540-B4B5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes: Embraer/Neiva manufactured aircraft under Piper's License.

Startlock Angle: NA
Feather/High Angle: 27.0 +-2.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00101	HC-C2YK-1BF/F8468A-4/SM8	1	A/C	
BLADE	F8468A-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
GOVERNOR	F4-13	GOVERNOR ASSEMBLY, F-4-()	1	A/C	Sec'ndry,wide deck "A" S/N eng
GOVERNOR	F4-13Z	GOVERNOR ASSEMBLY, F-4-()	1	A/C	Primary,Wide Deck "A" S/N eng
GOVERNOR	F4-3A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	Sec'ndry,Nar Deck non "A" sufx
GOVERNOR	F4-3AZ	GOVERNOR ASSEMBLY, F-4-()	1	A/C	Primary,Nar Deck Non "A" eng s
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

EMBRAER/NEIVA

Model: EMB-710D
Trade Name: CARIOCA
Aircraft T.C./STC: EA-7503
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA
Blade Model(s): F8468A-4R
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 16.25 +-0.25

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2537 **Rev.:** **Date:** 6/7/2005

Modifier:
Engine: O-540-J3A5D
Power: 235 HP @ 2400 RPM
Placard/Restr:
Notes: Embraer/Neiva manufactured aircraft under Piper's License.

Startlock Angle: NA
Feather/High Angle: 32.0 +-2.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	F2R00060	HC-F2YR-1F/F8468A-4R/SM4	1	A/C	
BLADE	F8468A-4R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-21	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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EMBRAER/NEIVA

Model: EMB-711B
Trade Name: CORISCO
Aircraft T.C./STC: EA-7502
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F7666A-2R
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner: PIPER

IDS No.: 2544 **Rev.:** **Date:** 6/8/2005

Modifier:

Engine: IO-360-C1C6
Power: 200 HP @ 2700 RPM
Placard/Restr:

Notes: Embraer/Neiva manufactured aircraft under Piper's License.

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00051	HC-C2YK-1BF/F7666A-2R	1	A/C	
BLADE	F7666A-2R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F2-7A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	Primary Gov.
GOVERNOR	F2-7AZ	GOVERNOR ASSEMBLY, F-2-()	1	A/C	Secondary Gov.
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

EMBRAER/NEIVA

Model: EMB-711C & 711
Trade Name: CORISCO
Aircraft T.C./STC: EA-7502
Propeller Model: HC-C2YK-1()(F)
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74.0" TO 72.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner: PIPER

IDS No.: 2546 **Rev.:** **Date:** 6/8/2005

Modifier:

Engine: IO-360-C1C
Power: 200 HP @ 2700 RPM

Placard/Restr: Avoid continuous operation between 2000 and 2350 RPM.

Notes: Embraer/Neiva manufactured aircraft under Piper's License.

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00047	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F2-7A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
GOVERNOR	F2-7AZ	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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EMBRAER/NEIVA

Model: EMB-720D
Trade Name: MINUANO
Aircraft T.C./STC: EA-7504
Propeller Model: HC-C3YR-1()F
Propeller T.C.: P25EA
Blade Model(s): F7663R
Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.4 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2550 **Rev.:** **Date:** 6/7/2005

Modifier:
Engine: IO-540-K1G5
Power: 300 HP @ 2700 RPM
Placard/Restr:

Notes: Embraer/Neiva manufactured under Piper's License.

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00025	HC-C3YR-1RF/F7663R	1	A/C	
PROPELLER	C3R00025KD	HC-C3YR-1RF/F7663R	1	A/C	
BLADE	F7663R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-47	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4()	1	A/C	
GOVERNOR	F4-11BZ	GOVERNOR ASSEMBLY, F-4()	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

EMBRAER/NEIVA

Model: EMB-720D
Trade Name: MINUANO
Aircraft T.C./STC: EA-7504
Propeller Model: HC-C2YR-1()F
Propeller T.C.: P-920

Blade Model(s): F8475D-4
Prop Diameter: 80" TO 78.5"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner: PIPER

IDS No.: 2583 **Rev.:** **Date:** 6/7/2005

Modifier:
Engine: IO-540-K1G5
Power: 300 HP @ 2700 RPM
Placard/Restr: 2700 RPM limit for 5 minutes. 2600 RPM max continuous.

Notes: K flange approved; Embraer/Neiva manufactured aircraft under Piper's license

Startlock Angle:
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00130	HC-C2YK-1BF/F8475D-4	1	A/C	
BLADE	F8475D-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
GOVERNOR	F4-11	GOVERNOR ASSEMBLY, F-4()	1	Prop	
GOVERNOR	F4-11Z	GOVERNOR ASSEMBLY, F-4()	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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EMBRAER/NEIVA

Model: EMB-721C
Trade Name: MINUANO
Aircraft T.C./STC: EA-7506
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8475D-4
Prop Diameter: 80.0" TO 78.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner: PIPER

IDS No.: 2551 **Rev.:** **Date:** 6/8/2005
Modifier:
Engine: IO-540-K1A5D, -K1G5D (S/N 721015 & UP)
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Embraer/Neiva manufactured under Piper's License.

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00130	HC-C2YK-1BF/F8475D-4	1	A/C	
BLADE	F8475D-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4-()	1	A/C	Wide Deck Engine
GOVERNOR	F4-11BZ	GOVERNOR ASSEMBLY, F-4-()	1	A/C	Wide Deck Engine
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

ENAER (PIPER)

Model: T-35
Trade Name: PILLAN (PA-28R-300)
Aircraft T.C./STC: Unknown
Propeller Model: HC-C3YR-4BF
Propeller T.C.: P25EA
Blade Model(s): FC7663R
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 494 **Rev.:** **Date:** 5/13/1998
Modifier:
Engine: IO-540-K1A5D, -K1G5D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00229	HC-C3YR-4BF/FC7663R/SM9	1	A/C	
BLADE	FC7663R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-5205	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5205-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-66	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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EVANGEL-AIR

Model: 4500-300
Trade Name:
Aircraft T.C./STC: A17CE
Propeller Model: HC-C2YK-2BF
Propeller T.C.: P-920
Blade Model(s): FC8475A-4
Prop Diameter: 80" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 496 **Rev.:** **Date:** 9/16/2003

Modifier:
Engine: IO-540-K1B5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 19.0 +-1.5
Feather/High Angle: 81.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8475A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-13A	GOVERNOR ASSEMBLY, F-6-()	2	A/C	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

EVANGEL-AIR

Model: 4500-300 SERIES II
Trade Name:
Aircraft T.C./STC: A17CE
Propeller Model: HC-C2YK-2B
Propeller T.C.: P-920
Blade Model(s): FC8475A-4
Prop Diameter: 80" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 497 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: IO-540-K1B5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 19.0 +-1.5
Feather/High Angle: 81.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8475A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-13A	GOVERNOR ASSEMBLY, F-6-()	2	A/C	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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EXPERIMENTAL AIRCRAFT TECH, IN

Model: S-90
Trade Name: EXPRESS
Aircraft T.C./STC: Experimental
Propeller Model: HC-F3YR-1RF
Propeller T.C.: P31EA
Blade Model(s): F7663D-2Q
Prop Diameter: 76" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.4 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663D-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3575-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1584 **Rev.:** **Date:** 10/28/1998

Modifier:
Engine: IO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

EXPRESS AIRCRAFT

Model: S-90 RG
Trade Name: EXPRESS
Aircraft T.C./STC: Experimental
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA

Blade Model(s): F7691
Prop Diameter: 78.0" TO 76.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00019	PHC-J3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3575-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1632 **Rev.:** **Date:** 3/23/1999

Modifier:
Engine: IO-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr: Do not exceed 20 in. MP with propeller below 2200 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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EXPRESS AIRCRAFT

Model: S-90 RG
Trade Name: EXPRESS
Aircraft T.C./STC: Experimental
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF
Prop Diameter: 78.0" TO 76.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 1880 **Rev.:** **Date:** 3/26/2002

Modifier:
Engine: IO-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 40.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00036	PHC-J3YF-1RF/F7693DF/SM9	1	A/C	
BLADE	F7693DF	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

EXPRESS AIRCRAFT

Model: EXPRESS
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-E2YR-1BF
Propeller T.C.: P9EA

Blade Model(s): F7666A-2
Prop Diameter: 74

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 14.0 +-0.2

IDS No.: 2448 **Rev.:** **Date:** 2/12/2004

Modifier:
Engine: IO-360-C1C6
Power: 200 HP @ 2700 RPM
Placard/Restr: Do not exceed 24" manifold pressure below 2400 RPM.

Notes:

Startlock Angle:
Feather/High Angle: 37.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E2R00030	HC-E2YR-1BF/F7666A-2/SM4	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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EXTRA

Model: 300S
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YR-1A
Propeller T.C.:
Blade Model(s): 7690C
7690E
Prop Diameter: 78" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.6 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1289 **Rev.:** **Date:** 1/7/2004

Modifier:

Engine: AEIO-540-L1B5

Power: 300 HP @ 2700 RPM

Placard/Restr:

Notes: Governor requires A-3144-2 Governor Drive Extension and C-6059X valve Assembly with B-1104 Gasket.

Startlock Angle: NA

Feather/High Angle: 32.0 +-1.0

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7690C	BLADE ASSEMBLY, COMPOSITE	3	Prop	SUPERSEDED BY 7690E
BLADE	7690E	PCP:BLADE ASSY, COMP [3,1,1]	3	Prop	Supersedes 7690C
SPINNER	C-3570-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E2-2	GOVERNOR ASSEMBLY, E-2-()	1	A/C	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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FAIRCHILD

Model: 24R46
Trade Name:
Aircraft T.C./STC: A706
Propeller Model: HC-12X20-1,-8,-8A,-8B
Propeller T.C.:
Blade Model(s): 8428
8428C
Prop Diameter: 84" TO 82.5 "

Prop Setup:

Ref. Radius 31
Reverse Angle: NA
Low Pitch Angle: 9.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 498 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: 6-440-C2
Power: 175 HP @ 2450 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 20.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8428	BLADE CONFIG ITEM	2	Prop	
BLADE	8428C	IDS Item	2	Prop	
COUNTERWEIGHT	833-21	IDS Item	1	Blade	

FAIRCHILD

Model: 24R46A
Trade Name:
Aircraft T.C./STC: A706
Propeller Model: HC-12X20-8,-8A,-8B
Propeller T.C.:
Blade Model(s): 8428
8428C
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius 31
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 499 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: 6-440-C5
Power: 200 HP @ 2450 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 21.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8428	BLADE CONFIG ITEM	2	Prop	
BLADE	8428C	IDS Item	2	Prop	
COUNTERWEIGHT	833-20	IDS Item	1	Blade	

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FAIRCHILD

Model: M62A (PT-19)
 Trade Name: PT-19
 Aircraft T.C./STC: A724
 Propeller Model: HC-12X20-1
 Propeller T.C.:
 Blade Model(s): 8428-2
 Prop Diameter: 86" TO 84"per tc

IDS No.: 500 Rev.: Date: 10/2/1992
 Modifier:
 Engine: 6-440-C2
 Power: 175 HP @ 2450 RPM
 Placard/Restr:
 Notes:

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 11.3 +-0.2

Startlock Angle: NA
 Feather/High Angle: 20.1 +-0.5
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8428-2	IDS Item	2	Prop	
COUNTERWEIGHT	833-19	IDS Item	1	Blade	

FAIRCHILD AIRCRAFT

Model: SA26-AT
 Trade Name: MERLIN IIB
 Aircraft T.C./STC: A5SW
 Propeller Model: HC-B3TN-5C, -5E, -5M
 Propeller T.C.: P15EA
 Blade Model(s): T10178-13R
 T10178B-13R*1
 T10178N-13R
 T10178NB-13R*1
 Prop Diameter: 88.5" NO CUT OFF

IDS No.: 501 Rev.: 1 Date: 1/7/2011
 Modifier:
 Engine: TPE331-1-151G
 Power: 665 HP @ 2000 RPM
 Placard/Restr:
 Notes:

Prop Setup:

Ref. Radius 30
 Reverse Angle: -10.0 +-1.0
 Low Pitch Angle: 10.5 +-0.1

Startlock Angle: 2.5 +-1.0
 Feather/High Angle: 87.0 +-1.0
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10178-13R	BLADE	3	Prop	
BLADE	T10178B-13R*1	IDS*ITEM, BLADE, 4E1188-6 BOOT	3	Prop	
BLADE	T10178N-13R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178NB-13R*1	IDS ITEM, BLADE, 4E1188-6 BOOT	3	Prop	
SPINNER	D-3434-1P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-25H	BOLT, 1/4-28, HEX HEAD	2	Blade	
DE-ICER	4H1188-6	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-6
DE-ICE KIT_PR	7931-65-025-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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FAIRCHILD AIRCRAFT

Model: SA26-T
Trade Name: MERLIN IIA
Aircraft T.C./STC: A5SW
Propeller Model: HC-B3TN-3B
Propeller T.C.: P15EA
Blade Model(s): T10173E-11
T10173NE-11
Prop Diameter: 90.5" TO 90.375"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +-0.4
Low Pitch Angle: 19.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 502 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: PT6A-20
Power: 550 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173E-11	IDS ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10173NE-11	IDS ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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FAIRCHILD AIRCRAFT

Model: SA226-AT, SA226-TC
Trade Name: METRO, MERLIN IV
Aircraft T.C./STC: A5SW, A8SW
Propeller Model: HC-B3TN-5C, -5E, -5M
Propeller T.C.: P15EA
Blade Model(s): T10282B
 T10282NB
Prop Diameter: 102" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: -6.0 +-0.5
Low Pitch Angle: NA

IDS No.: 507 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: TPE331-3U-303G, -304G
Power: 940 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.0 +-0.1
Feather/High Angle: 89.0 +-0.5
Cwt Angle: 4.5 MIN.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282B	T10282B BLADE (NO.6), 4E1188-6	3	Prop	
BLADE	T10282NB	PCP:BLADE UNIT, ALUM 4H1188-6	3	Prop	
SPINNER	D-3434-1P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-14	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-34H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	
DE-ICER	4H1188-6	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-6
DE-ICE KIT_PR	7931-65-025-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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FAIRCHILD AIRCRAFT

Model: SA226-AT, SA226-TC

Trade Name: MERLIN IV

Aircraft T.C./STC: STC-SA344GL-D

Propeller Model: HC-B3TN-5M

Propeller T.C.: P15EA

Blade Model(s): T10282NB*6

Prop Diameter: 102"

IDS No.: 505

Rev.: 2

Date: 9/12/2011

Modifier: GARRETT GENERAL AVIATION SERVICE
CO

Engine: TPE331-10UA-501G, -511G

Power: 940 HP @ 2000 RPM

Placard/Restr:

Notes: Also STC-SA4872, D.Parman; May also
on HC-B3TN-5C, -5E hubs. Reference
Manual 139 for Airworthiness Limitations.

Prop Setup:

Ref. Radius 30

Reverse Angle: -6.0 +-0.5

Low Pitch Angle: 13.0 +-0.5

Startlock Angle: 2.0 +-1.0

Feather/High Angle: 89.0 +-0.5

Cwt Angle: 4.5 MIN.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282NB*6	IDS ITEM, BLADE	3	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-14	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-34H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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FAIRCHILD AIRCRAFT

Model: SA226-T(B)
Trade Name: MERLIN III
Aircraft T.C./STC: A5SW
Propeller Model: HC-B4TN-5EL, -5HL, -5KL
Propeller T.C.: P40EA
Blade Model(s): LT10282AB+2.5
 LT10282ANB+2.5
Prop Diameter: 106.0" NO CUT OFF

IDS No.: 508 **Rev.:** 2 **Date:** 7/21/2011
Modifier:
Engine: TPE-331-10U-502G, -512G
Power: 900 HP @ 1591 RPM
Placard/Restr:
Notes: See IDS no. 2547 for installation using
 TPE-331-10U-501G or -511G engine

Prop Setup:

Ref. Radius 30
Reverse Angle: -6.0 +-0.5
Low Pitch Angle: NA

Startlock Angle: 2.0 +-0.1
Feather/High Angle: 89.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10920	HC-B4TN-5KL/LT10282ANB+2.5	2	A/C	
PROPELLER	B4N10920KD	HC-B4TN-5KL/LT10282ANB+2.5	2	A/C	
BLADE	LT10282AB+2.5	BLADE, 4E1601-10 BOOT	4	Prop	
BLADE	LT10282ANB+2.5	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-3434-7P	SPINNER ASSEMBLY	1	Prop	
SP_MT_KIT_DE-ICE	B-3384-26H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0463	WASHER, CORROSION RESISTANT	20	Prop	
SP_MT_KIT_DE-ICE	B-3865-15A	BOLT,1/4-28,HEX HEAD,CRES	4	Prop	
SP_MT_KIT_DE-ICE	B-7076-42	BELLEVILLE SPRING WASHER	36	Prop	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3386-9H	IDS Item	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1601-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-10
DE-ICE KIT_PR	7931-65-210-1A	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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FAIRCHILD AIRCRAFT

Model: SA226-T
Trade Name: MERLIN III
Aircraft T.C./STC: A5SW
Propeller Model: HC-B3TN-5C, -5E, -5M
Propeller T.C.: P15EA
Blade Model(s): T10282DB-4R
 T10282DNB-4R

Prop Diameter: 98.0" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: -6.0 +-0.3
Low Pitch Angle: NA

IDS No.: 506 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: TPE331-3U-303G, -304G
Power: 840 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.0 +-0.1
Feather/High Angle: 89.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N11050	HC-B3TN-5M/T10282DNB-4R/BULK	1	A/C	
PROPELLER	B3N11050KD	HC-B3TN-5M/T10282DNB-4R/BULK	1	A/C	
BLADE	T10282DB-4R	BLADE	3	Prop	
BLADE	T10282DNB-4R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-3434-1P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-14	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-34H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	
DE-ICER	4H1188-6	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-6
DE-ICE KIT_PR	7931-65-025-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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FAIRCHILD AIRCRAFT

Model: SA226-T(B)
Trade Name: MERLIN III
Aircraft T.C./STC: A5SW
Propeller Model: HC-B4TN-5EL, -5HL, -5KL
Propeller T.C.: P40EA
Blade Model(s): LT10282AB+2.5
 LT10282ANB+2.5
Prop Diameter: 106.0 NO CUT OFF

IDS No.: 2547 **Rev.:** 2 **Date:** 7/21/2011
Modifier:
Engine: TPE-331-10U-501G, -511G
Power: 900 HP @ 1591 RPM
Placard/Restr:
Notes: See IDS no. 508 for installation using TPE-331-10U-502G or -512G engine

Prop Setup:

Ref. Radius 30
Reverse Angle: -2.0 +-0.5
Low Pitch Angle: NA

Startlock Angle: 2.0 +-0.1
Feather/High Angle: 89.5 +-0.5
Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B4N10921	HC-B4TN-5KL/LT10282ANB+2.5	2	A/C	
PROPELLER	B4N10921KD	HC-B4TN-5KL/LT10282ANB+2.5	2	A/C	
BLADE	LT10282AB+2.5	BLADE, 4E1601-10 BOOT	4	Prop	
BLADE	LT10282ANB+2.5	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-3437-7P	BULKHEAD UNIT	1	Prop	
SPINNER	D-3437-7P	BULKHEAD UNIT	1	Prop	
SP_MT_KIT_DE-ICE	B-3384-26H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT, HEX, SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0463	WASHER, CORROSION RESISTANT	20	Prop	
SP_MT_KIT_DE-ICE	B-3865-15A	BOLT, 1/4-28, HEX HEAD, CRES	4	Prop	
SP_MT_KIT_DE-ICE	B-7076-42	BELLEVILLE SPRING WASHER	36	Prop	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-9H	IDS Item	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1601-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-10
DE-ICE KIT_PR	7931-65-210-1A	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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FAIRCHILD AIRCRAFT

Model: SA226-TC
Trade Name: METRO II
Aircraft T.C./STC: SA 01462NY
Propeller Model: HC-E4N-5D
Propeller T.C.: P10NE

Blade Model(s): D9690
D9690B

Prop Diameter: 97.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -7.0 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1430 **Rev.:** 1 **Date:** 3/11/2011

Modifier: HARTZELL PROPELLER

Engine: TPE331-3, -10

Power: 940 HP @ 2000 RPM

Placard/Restr: Ground idle engine speed must be at or above 70% (1400) RPM.

Notes:

Startlock Angle: 1.6 +-0.5

Feather/High Angle: 86.0 +-0.5

Cwt Angle:

Non-HPI Governor: NA

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00266	HC-E4N-5D/D9690	2	A/C	
PROPELLER	E4N00267	HC-E4N-5D/D9690B/BULK/DE-ICE	2	A/C	
PROPELLER	E4N00267S	HC-E4N-5D/D9690B/D-5319-P	2	A/C	
PROPELLER	E4N00267SKD	HC-E4N-5D/D9690B/D-5319-P	2	A/C	
PROPELLER	E4N00267SKDTP	E4N00267/D-5319-P/FULL DE-ICE	2	A/C	
PROPELLER	E4N00267STP	E4N00267/D-5319-P/FULL DE-ICE	2	A/C	
BLADE	D9690	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	D9690B	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-5319-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-2H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	8	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-15	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	102878	DE-ICE BOOT	1	Blade	Supercedes 4H1601-10 & 7931-4E1601-10
DE-ICE KIT_PR	7931-5E2647-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-5E2647-2	AIRFRAME DE-ICE KIT			
DE-ICE KIT_A/F	7931-73721-1	AIRFRAME DE-ICE KIT			
DE-ICE KIT_A/F	7931-73721-2	AIRFRAME DE-ICE KIT			
DE-ICE KIT_A/F	7931-73721-3	AIRFRAME DE-ICE KIT			
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (12")

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FAIRCHILD-HILLER (PILATUS)

Model: AU-23
Trade Name: PEACEMAKER
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3TN-5M
Propeller T.C.: P15EA
Blade Model(s): T10282
T10282N

Prop Diameter: 102.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -9.5 +-0.5
Low Pitch Angle:

IDS No.: 593 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: TPE331-1-10F
Power: 665 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.0 +-0.2
Feather/High Angle: 88.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282	BLADE	3	Prop	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-14	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-34H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

FALCO

Model: see AEROMERE
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

IDS No.: 509 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

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FLETCHER

Model: see PACIFIC AEROSPACE

Trade Name:

Aircraft T.C./STC:

Propeller Model:

Propeller T.C.:

Blade Model(s):

Prop Diameter:

Prop Setup:

Ref. Radius

Reverse Angle:

Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 513

Rev.:

Date: 10/2/1992

Modifier:

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle:

Non-HPI Governor:

FLUG & FAHRZEUGWERKE AG

Model: AS202/18A

Trade Name: BRAVO

Aircraft T.C./STC: A34EU

Propeller Model: HC-C2YK-1BF

Propeller T.C.: P-920

Blade Model(s): F7666A-2

Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 510

Rev.:

Date: 11/6/2002

Modifier:

Engine: AEIO-360-B1F

Power: 180 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 29.0 +-1.0

Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00045	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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FLUG & FAHRZEUGWERKE AG

Model: AS202/32TP
Trade Name: BRAVO
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3TF-7, -7A
Propeller T.C.: P15EA
Blade Model(s): T10173-19R
 T10173N-19R
Prop Diameter: 82.38" TO 80.38"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -2.5 +-0.5
Low Pitch Angle: NA

IDS No.: 1278 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: 250-B17C
Power: 420 HP @ 2030 RPM
Placard/Restr:
Notes: The aircraft minimum gross weight is 1750 lbs.

Startlock Angle: NA
Feather/High Angle: 83.2 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10173-19R	IDS ITEM, BLADE	3	Prop	
BLADE	T10173N-19R	IDS ITEM, BLADE	3	Prop	
SPINNER	835-39	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3491	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3661-7A	IDS Item	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-3	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

FOUND BROTHERS

Model: FBA-2C
Trade Name:
Aircraft T.C./STC: A7EA
Propeller Model: HC-92WK-1D
Propeller T.C.: P16EA
Blade Model(s): W8847N
Prop Diameter: 88" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 2809 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: O-540-A1C5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes: Prop substituted for HC-92WK-1D/8847N in accordance with TCDS P16EA

Startlock Angle: NA
Feather/High Angle: 26.4 +-0.5
Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	92K10030	HC-92WK-1D/W8847N			
BLADE	W8847N	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-30P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29-2	SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	4	Prop	Primary
MTG BOLT/STUD	A-1333-2	IDS Item	2	Prop	Primary
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Secondary
MTG BOLT/STUD	A-1333-6	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Secondary

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FOUND BROTHERS

Model: 100
Trade Name: CENTENNIAL
Aircraft T.C./STC: A13EA
Propeller Model: HC-92WK-1D
Propeller T.C.:
Blade Model(s): W9350-4.6
W9350N-4.6
Prop Diameter: 88" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

IDS No.: 514 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: IO-540-G1D5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.4 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	W9350-4.6	IDS ITEM, BLADE	2	Prop	REPLACED BY W9350N-4.6
BLADE	W9350N-4.6	IDS ITEM, BLADE	2	Prop	
SPINNER	837-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	837-4	IDS Item	1	Prop	
GOVERNOR	F6-5A	GOVERNOR ASSEMBLY, F-6(-)	1	A/C	

FOUND BROTHERS

Model: FBA-2C
Trade Name:
Aircraft T.C./STC: A7EA
Propeller Model: HC-92ZK-1D
Propeller T.C.: P-892
Blade Model(s): 8847
8847N
Prop Diameter: 88" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 515 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: O-540-A1C5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.4 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	92K10010	HC-92ZK-1D/8847N	1	A/C	
BLADE	8847	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8847N	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-30P	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30
CWT_SLUG	A-29-2	SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1333	BOLT, MOUNTING, 1/2-20, HEX HEAD	4	Prop	Primary
MTG BOLT/STUD	A-1333-2	IDS Item	2	Prop	Primary
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	2	Prop	Secondary
MTG BOLT/STUD	A-1333-6	BOLT, MOUNTING, 1/2-20, HEX HEAD	2	Prop	Secondary

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FOUND BROTHERS

Model: FBA-2C1
Trade Name: BUSH HAWK
Aircraft T.C./STC: A7EA
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-2R
F8468A-2R*2
Prop Diameter: 84" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.3 +- 0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1439 **Rev.:** **Date:** 8/16/2007
Modifier:
Engine: IO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +- 1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00052	HC-C3YR-1RF/F8468A-2R/SM7	1	A/C	
PROPELLER	C3R00052KD	HC-C3YR-1RF/F8468A-2R/SM7	1	A/C	
PROPELLER	C3R06051	HC-C3YR-1RF/F8468A-2R[*2]/SM7			
BLADE	F8468A-2R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-2R*2	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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FOUND BROTHERS

Model: FBA-2C1
Trade Name: BUSH HAWK
Aircraft T.C./STC: A7EA
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068
F8068*3
F8068+2
F8068+2*1

Prop Diameter: 82"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.3 +-0.2

IDS No.: 1687 **Rev.:** **Date:** 4/6/2009
Modifier:
Engine: IO-540-L1C5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00056	HC-C3YR-1RF/F8068/SM7	1	A/C	
PROPELLER	C3R00066	HC-C3YR-1RF/F8068+2/SM7	1	A/C	
PROPELLER	C3R00067	HC-C3YR-1RF/F8068[*3]/SM7			
PROPELLER	C3R00068	HC-C3YR-1RF/F8068+2[*1]/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F8068*3	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
BLADE	F8068+2	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
BLADE	F8068+2*1	PCP:BLADE UNIT, ALUM [3,1,5]	3	Prop	
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V5-4	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

FRAKES

Model: see GRUMMAN, NORD
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

IDS No.: 516 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

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FUJI

Model: 700
Trade Name: COMMANDER 700
Aircraft T.C./STC: A8PC
Propeller Model: HC-E3YR-2ATF
Propeller T.C.: P33EA

Blade Model(s): FC8468-5R
 FC8468B-5R

Prop Diameter: 81" TO 79"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.8 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8468-5R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC8468B-5R	BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-3273-2	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-11	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-7
DE-ICE KIT_PR	7931-67-135	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 519 **Rev.:** **Date:** 11/20/2006

Modifier:
Engine: TIO-540-R2AD
Power: 340 HP @ 2500 RPM
Placard/Restr: Engine tachometer must be calibrated annually.

Notes:

Startlock Angle: 20.3 +-1.5

Feather/High Angle: 84.0 +-0.5

Cwt Angle:

Non-HPI Governor:

FUJI

Model: 710
Trade Name:
Aircraft T.C./STC: A8PC
Propeller Model: HC-C3YN-2LDUF
Propeller T.C.: P25EA
Blade Model(s): FJC9684-3R
 FJC9684B-3R

Prop Diameter: 93" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 19.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FJC9684-3R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FJC9684B-3R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-3273-1L	IDS Item	1	Prop	
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-3
MTG BOLT/STUD	A-3254	STUD, MOUNTING, 9/16-18	8	Prop	

IDS No.: 520 **Rev.:** **Date:** 9/26/2006

Modifier:
Engine: TIGO-541-D1B
Power: 450 HP @ 2133 RPM
Placard/Restr:

Notes:

Startlock Angle: 24.5 +-1.5

Feather/High Angle: 86.1 +-0.5

Cwt Angle:

Non-HPI Governor:

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FUJI

Model: T-3, LM-2
Trade Name: TRAINER
Aircraft T.C./STC: Unknown
Propeller Model: HC-83V20-1F, HC-A3V20-1F
Propeller T.C.: P6EA
Blade Model(s): V9333N-3
Prop Diameter: 90.6"

IDS No.: 2176 **Rev.:** **Date:** 11/21/2003
Modifier:
Engine: IGSO-480-A1F6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 37.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V9333N-3	BLADE	3	Prop	
CWT_SLUG	A-890-5	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

FUJI

Model: T-3, LM-2
Trade Name: TRAINER
Aircraft T.C./STC: Unknown
Propeller Model: HC-A3MV20-1F
Propeller T.C.: P6EA
Blade Model(s): MV9333N-3
Prop Diameter: 90.6"

IDS No.: 517 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: IGSO-480-A1F6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 37.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3210051	HC-A3MV20-1F/MV9333N-3	1	A/C	
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-890-5	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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FUJI

Model: KM-2D (T-5)
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3TF-7A
Propeller T.C.: P15EA
Blade Model(s): T10173N-18*1
Prop Diameter: 83.5"

IDS No.: 518 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: 250-B17B
Power: 350 HP @ 2030 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: -11.0 +/- 0.5
Low Pitch Angle:

Startlock Angle: NA
Feather/High Angle: 85.0 +/- 1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3F10063	HC-B3TF-7A/T10173N-18[*1]	1	A/C	PROP LESS C-3630-2 BETA VALVE
PROPELLER	B3F10065	HC-B3TF-7A/T10173N-18[*1]	1	A/C	PROP WITH C-3630-2 BETA VALVE
PROPELLER	B3F10071	HC-B3TF-7A/T10173N-18*1PAINTED	1	A/C	PROP LESS C-3630-2 BETA VALVE
PROPELLER	B3F10072	HC-B3TF-7A/T10173N-18*1PAINTED	1	A/C	PROP WITH C-3630-2 BETA VALVE
BLADE	T10173N-18*1	PCP:BLADE UNIT, ALUM [1,0,0]	3	Prop	Paint w/no tips
SPINNER	835-39	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3491	SPINNER - MTG KIT	1	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-3	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3663-3P	PCP:SLUG, COUNTERWEIGHT	1	Blade	Props w/painted hub/cwt/clamp
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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FUJI

Model: KM-2D Modified (T-7)

Trade Name:

Aircraft T.C./STC: Unknown

Propeller Model: HC-B3TF-7A

Propeller T.C.: P15EA

Blade Model(s): T10173N-18*1

Prop Diameter: 83.125"

Prop Setup:

Ref. Radius 30

Reverse Angle: -11.0+/-0.5

Low Pitch Angle:

IDS No.: 2818

Rev.: 1

Date: 1/10/2011

Modifier:

Engine: 250-B17F

Power: 450 HP @ 2030 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 85.0 +/- 1.0

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3F10063	HC-B3TF-7A/T10173N-18[*1]	1	A/C	PROP LESS C-3630-2 BETA VALVE
PROPELLER	B3F10065	HC-B3TF-7A/T10173N-18[*1]	1	A/C	PROP WITH C-3630-2 BETA VALVE
PROPELLER	B3F10071	HC-B3TF-7A/T10173N-18*1PAINTED	1	A/C	PROP LESS C-3630-2 BETA VALVE
PROPELLER	B3F10072	HC-B3TF-7A/T10173N-18*1PAINTED	1	A/C	PROP WITH C-3630-2 BETA VALVE
BLADE	T10173N-18*1	PCP:BLADE UNIT, ALUM [1,0,0]	3	Prop	Paint w/no tips
SPINNER	835-39	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-39P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3491	SPINNER - MTG KIT	1	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-3	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3663-3P	PCP:SLUG, COUNTERWEIGHT	1	Blade	Props w/painted hub/cwt/clamp
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	
MISC ACCES	C-3630-2	PCP:BETA VALVE - ASSEMBLY	1	Prop	

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GAF - GOVERNMENT AIRCRAFT FACTO

Model: see AEROSPACE TECHNOLOGIES

Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1384 Rev.: Date: 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

GENERAL AVIA

Model: F.20
Trade Name: PEGASO
Aircraft T.C./STC: A38EU
Propeller Model: HC-C2YF-2CDF
Propeller T.C.:
Blade Model(s): FC8475-6*1
Prop Diameter: 78" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 523 Rev.: Date: 10/2/1992

Modifier:
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: 19.2 +-1.5
Feather/High Angle: 80.5 +-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8475-6*1	PCP:BLADE UNIT, B-3202H-2 CWT	2	Prop	
SPINNER	836-30	IDS Item	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component

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GENERAL AVIA

Model: F.20
Trade Name: PEGASO
Aircraft T.C./STC: Unknown
Propeller Model: HC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468A-8R
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 525 **Rev.:** **Date:** 1/12/2004

Modifier:
Engine: IO-520-K
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: 15.5 +-1.5
Feather/High Angle: 83.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8468A-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-3P	SPINNER ASSEMBLY	1	Prop	Supersedes C-4558-P
SPINNER	C-4558-P	SPINNER ASSEMBLY	1	Prop	Superseded by C-4558-3P
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

GENERAL AVIA

Model: F.22-C
Trade Name: PINGUINO
Aircraft T.C./STC: A75EU
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 526 **Rev.:** **Date:** 8/26/2006

Modifier:
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00061	HC-C2YK-1BF/F7666A-4/SM19	1	A/C	
BLADE	F7666A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E6-1	GOVERNOR ASSEMBLY, E-6-()	1	A/C	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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GENERAL AVIA

Model: F.22-R
Trade Name: SPRINT
Aircraft T.C./STC: A75EU
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F7663A-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1153 **Rev.:** **Date:** 4/14/2004

Modifier:
Engine: O-320-D1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00049	HC-C2YL-1BF/F7663A-4/SM10	1	A/C	
BLADE	F7663A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E6-1	GOVERNOR ASSEMBLY, E-6-()	1	A/C	
SPIN MTG KIT	A-2476-10	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

GENERAL DYNAMICS

Model: 28-5ACF
Trade Name:
Aircraft T.C./STC: STC-SA1853WE
Propeller Model: HC-83XF-3A
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2177 **Rev.:** **Date:** 11/21/2003

Modifier: BIRD CORP.
Engine: GSO-480-B2D6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

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GENERAL DYNAMICS

Model: 28-5ACF
 Trade Name:
 Aircraft T.C./STC: STC-SA1853WE
 Propeller Model: HC-83XF-3A
 Propeller T.C.:
 Blade Model(s):
 Prop Diameter:

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 527 Rev.: Date: 4/30/2002
 Modifier: BIRD CORP.
 Engine: GSO-480-B2D6
 Power: 340 HP @ 2182 RPM
 Placard/Restr:
 Notes:

Startlock Angle:
 Feather/High Angle:
 Cwt Angle:

Non-HPI Governor:

GIPPSLAND

Model: GA8
 Trade Name:
 Aircraft T.C./STC: VA503 (Australia)
 Propeller Model: HC-C3YR-1RF
 Propeller T.C.: P25EA

Blade Model(s): F8068*1
 Prop Diameter: 82" - 78"

Prop Setup:

Ref. Radius 30
 Reverse Angle:
 Low Pitch Angle: 12.8 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2964 Rev.: Date: 6/7/2010
 Modifier:
 Engine: IO-540-K1A5
 Power: 300 HP @ 2700 RPM
 Placard/Restr: Propeller functional/cycling checks must be performed above 1300 RPM.

Notes:

Startlock Angle:
 Feather/High Angle: 29 +/- 1.0
 Cwt Angle:

Non-HPI Governor:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R02003	HC-C3YR-1RF/F8068[*1]/SM7	1	A/C	
PROPELLER	C3R02003KD	HC-C3YR-1RF/F8068[*1]/SM7	1	A/C	
BLADE	F8068*1	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	S-1-47	GOVERNOR ASSEMBLY, S-1-47	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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GIPPSLAND

Model: GA8-TC 320
Trade Name:
Aircraft T.C./STC: VA503 (Australia)
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA

Blade Model(s): F8068*1
Prop Diameter: 82

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 14.5+-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R02002	HC-C3YR-1RF/F8068[*1]/SM7			
PROPELLER	C3R02002KD	HC-C3YR-1RF/F8068[*1]/SM7			
BLADE	F8068*1	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	C-3575	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	A/C	
GOVERNOR	S-1-25	GOVERNOR ASSEMBLY, S-1-25	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2754 **Rev.:** 2 **Date:** 7/11/2012

Modifier:
Engine: TIO-540-AH1A
Power: 300 HP @ 2500 RPM
Placard/Restr: Propeller function / cycle checks must be performed above 1300 RPM.

Notes:

Startlock Angle:
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

GIPPSLAND AERONAUTICS

Model: GA-10
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-D3F-7H
Propeller T.C.: P18NE
Blade Model(s): D9511F-11
Prop Diameter: 84 to 82 inches

Prop Setup:

Ref. Radius 30
Reverse Angle: -10 +/- 0.5
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D3F00900	HC-D3F-7H/D9511F-11/SM9	1	A/C	
PROPELLER	D3F00900KD	HC-D3F-7H/D9511F-11/SM9	1	A/C	
BLADE	D9511F-11	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	104781	SPINNER ASSEMBLY	1	Prop	
SPINNER	104781P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	
MISC ACCES	D-751-2	PCP:BETA VALVE - ASSEMBLY	1	Prop	

IDS No.: 3245 **Rev.:** **Date:** 7/2/2013

Modifier:
Engine: 250-B17F/2
Power: 450 HP @ 2030 RPM
Placard/Restr: None
Notes:

Startlock Angle:
Feather/High Angle: 86.0 +/- 0.5
Cwt Angle:

Non-HPI Governor:

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GIPPSLAND AERONAUTICS

Model: GA8
Trade Name:
Aircraft T.C./STC: A00011LA
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8475R
Prop Diameter: 84

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2497 **Rev.:** 1 **Date:** 7/16/2010
Modifier:
Engine: IO-540-K1A5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00052	HC-C2YR-1BF/F8475R/SM19	1	A/C	
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	S-1-47	GOVERNOR ASSEMBLY, S-1-47	1	A/C	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

GIPPSLAND AERONAUTICS

Model: GA-8
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-2R
Prop Diameter: 84

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.4 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1207 **Rev.:** **Date:** 11/1/1996
Modifier:
Engine: IO-540-K series
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-2R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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GIPPSLAND AERONAUTICS

Model: GA-200C
Trade Name:
Aircraft T.C./STC: A00001LA
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8475R
Prop Diameter: 84

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 1206 **Rev.:** **Date:** 1/11/2000

Modifier:
Engine: IO-540-K1A5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00052	HC-C2YR-1BF/F8475R/SM19	1	A/C	
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

GLASAIR AVIATION

Model: SPORTSMAN 2+2
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920
Blade Model(s): F7497
F7497*5
F7499

Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.6 +-0.2

IDS No.: 2631 **Rev.:** 1 **Date:** 9/5/2012

Modifier:
Engine: IO-390-X
Power: 210 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: GLASAIR

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R10701	HC-C2YR-1BFP/F7497/SM19	1	A/C	
PROPELLER	C2R10714	HC-C2YR-1BFP/F7497[*5]/SM19	1	A/C	
BLADE	F7497	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
BLADE	F7497*5	PCP:BLADE UNIT, ALUM [11,9,11]	2	Prop	
BLADE	F7499	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
GOVERNOR	S-1-22	GOVERNOR ASSEMBLY, S-1-22	1	A/C	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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GLASAIR AVIATION

Model: Super 2SGR
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1N
Propeller T.C.: P-920
Blade Model(s): N7605-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.1 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R33001	HC-C2YR-1N/N7605-4/SM8	1	A/C	
BLADE	N7605-4	PCP:BLADE ASSY, COMPOSITE	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 3090 **Rev.:** **Date:** 7/12/2011

Modifier:
Engine: (I)O-360 Series
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0 +/- 2.0
Cwt Angle:

Non-HPI Governor:

GLASAIR AVIATION

Model: SUPER 2SRG GLASAIR
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920
Blade Model(s): F7497
 F7497-2
 F7499
 F7499-2

Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.5 +/- 0.2

Non-HPI Items:

Non-HPI Spinner: GLASAIR AVIATION

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R10707	HC-C2YR-1BFP/F7497/SM8			
PROPELLER	C2R10752	HC-C2YR-1BFP/F7497-2/SM8			
BLADE	F7497	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
BLADE	F7497-2	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
BLADE	F7499	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
BLADE	F7499-2	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2737 **Rev.:** **Date:** 9/22/2007

Modifier:
Engine: IO-360-B1(), E1A, F1A
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 39.0 +/-2.0
Cwt Angle:

Non-HPI Governor:

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GLASAIR AVIATION

Model: GS-1
Trade Name: GLASTAR
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F7663-4
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.1 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00040	HC-C2YL-1BF/F7663-4/SM8	1	A/C	
BLADE	F7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

IDS No.: 2589 **Rev.:** **Date:** 6/15/2005

Modifier:
Engine: 320 SERIES
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.5 +-1.0
Cwt Angle:

Non-HPI Governor:

GLASSAIR

Model: see STODDARD HAMILTON
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1175 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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GLASSAIR AVIATION

Model: Sportsman 2+2
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1N
Propeller T.C.: P-920
Blade Model(s): N7605
Prop Diameter: 76"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.0 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R31054	HC-C2YR-1N/N7605/SM8	1	A/C	
BLADE	N7605	PCP:BLADE ASSY, COMPOSITE	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 3030 **Rev.:** **Date:** 12/6/2010

Modifier:
Engine: IO-390
Power: 210 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 30.0 +/- 1.0
Cwt Angle:

Non-HPI Governor:

GLOBE

Model: GC-1A
Trade Name:
Aircraft T.C./STC: SA2859WE
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F7663A-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00045	HC-C2YL-1BF/F7663A-4	1	A/C	
BLADE	F7663A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	A/C	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

IDS No.: 2461 **Rev.:** **Date:** 3/2/2004

Modifier:
Engine: 0320-A3B
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 27.6 +/-1.0
Cwt Angle:

Non-HPI Governor:

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GOODYEAR (LOCKHEED MARTIN TACT)

Model: GZ19, 19A
Trade Name: GOODYEAR BLIMP
Aircraft T.C./STC: TC1
Propeller Model: not procurable
Propeller T.C.:
Blade Model(s):
Prop Diameter: 93.2"

Prop Setup:

Ref. Radius 30
Reverse Angle: -12.0 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
GOVERNOR	B5	IDS ITEM CONFIGURATION UNKNOWN 1		A/C	

IDS No.: 533 Rev.: 1 Date: 1/7/2011

Modifier:
Engine: GO-300-F
Power: 154 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 20.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

GOODYEAR (LOCKHEED MARTIN TACT)

Model: GZ19, 19A
Trade Name: GOODYEAR BLIMP
Aircraft T.C./STC: TC1
Propeller Model: HC-82XF-3L
Propeller T.C.:
Blade Model(s):
Prop Diameter: 93.2"

Prop Setup:

Ref. Radius 30
Reverse Angle: -12.0
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
GOVERNOR	B5	IDS ITEM CONFIGURATION UNKNOWN 1		Prop	

IDS No.: 2178 Rev.: Date: 11/21/2003

Modifier:
Engine: GO-300-F
Power: 154 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 20.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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GOODYEAR (LOCKHEED MARTIN TACT)

Model: GA22A
Trade Name: GOODYEAR BLIMP
Aircraft T.C./STC: 1A12
Propeller Model: not procurable
Propeller T.C.:
Blade Model(s):
Prop Diameter: 88" TO 86.5 "

Prop Setup:

Ref. Radius 30
Reverse Angle: -9.5 +-0.5
Low Pitch Angle: 12.5 +-0.2

Non-HPI Items:

Non-HPI Spinner: GOODYEAR

Hartzell Approved Items:

IDS No.: 535 **Rev.:** **Date:** 11/16/2006

Modifier:
Engine: E-225-8
Power: 225 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 20.0 +- Unknown
Cwt Angle:

Non-HPI Governor:

GOODYEAR (LOCKHEED MARTIN TACT)

Model: GZ22
Trade Name: GOODYEAR BLIMP
Aircraft T.C./STC: AS1GL
Propeller Model: HC-D3F-7
Propeller T.C.: P18NE

Blade Model(s): D7023
Prop Diameter: 70.0" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: -24.5 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 536 **Rev.:** **Date:** 3/7/2001

Modifier:
Engine: 250-B17C
Power: 450 HP @ 2030 RPM
Placard/Restr: Do not exceed 30% of engine torque during propeller reversing.
Notes: Also formerly Loral

Startlock Angle: NA
Feather/High Angle: 77.0 +-0.5
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	D7023	PCP:BLADE UNIT, ALUM/COMP	3	Prop	
SPINNER	D-5253	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3385-4H	BOLT, 5/16-24, HEX HEAD	6	Prop	
SPIN MTG KIT	B-3837-0532	WASHER, CORROSION RESISTANT	6	Prop	
COUNTERWEIGHT	C-342	PCP:COUNTERWEIGHT - UNIT	1	Blade	
MTG BOLT/STUD	A-1328-2	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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GOODYEAR (LOCKHEED MARTIN)

Model: GZ20, GZ20A

Trade Name: Airship

Aircraft T.C./STC: TC1

Propeller Model: BHC-92WF-3LG

Propeller T.C.: P16EA

Blade Model(s): LW8447A-6R

LW8447A-8Q

LW8447AN-6R

LW8447AN-8Q

Prop Diameter: 77.6" (7R), 75.6" (8Q)

Prop Setup:

Ref. Radius 30

Reverse Angle: -13.0 +/-0.5

Low Pitch Angle: 8.75 +/-0.5

IDS No.: 534

Rev.: 1

Date: 1/7/2011

Modifier:

Engine: IO-360-D

Power: 210 HP @ 2800 RPM

Placard/Restr:

Notes: *Hand tighten until stud bottoms on spinner support, then back out 1/4 turn.

Startlock Angle: NA

Feather/High Angle: 21.0 +/-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	92F00047	BHC-92WF-3LG/LW8447AN-8Q	2	A/C	
BLADE	LW8447A-6R	BLADE UNIT, ALUMINUM	2	Prop	REPLACED BY LW8447AN-6R
BLADE	LW8447A-8Q	BLADE UNIT, ALUMINUM	2	Prop	REPLACED BY LW8447AN-8Q
BLADE	LW8447AN-6R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	LW8447AN-8Q	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F6-19	GOVERNOR ASSEMBLY, F-6-()	2	A/C	
GOVERNOR	F6-19A	GOVERNOR ASSEMBLY, F-6-()	2	A/C	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-2986	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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GREAT LAKES

Model: 2T-1A-1, 2T-1A-2

Trade Name:

Aircraft T.C./STC: A18EA

Propeller Model: HC-C2YK-4F

Propeller T.C.: P-920

Blade Model(s): FC7666A-2

Prop Diameter: 74.0" NO CUT OFF

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.5 +0.2

IDS No.: 1281

Rev.:

Date: 12/4/2001

Modifier:

Engine: IO-360-B1F6, AEIO-360-B1G6

Power: 180 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 26.8 +-0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00701	HC-C2YK-4F/FC7666A-2			
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	835-41	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-41P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-31	GOVERNOR ASSEMBLY, F-6()	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

GREAT LAKES

Model: 2T-1A-2

Trade Name:

Aircraft T.C./STC: Experimental

Propeller Model: HC-B3TF-7A

Propeller T.C.: P15EA

Blade Model(s): T10173-6
T10173N-6

Prop Diameter: 94.6"

Prop Setup:

Ref. Radius 30

Reverse Angle: -10.5 +-0.5

Low Pitch Angle: NA

IDS No.: 538

Rev.:

Date: 1/9/2004

Modifier:

Engine: 250-B15

Power: 317 HP @ 2025 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 85.0 +-1.0

Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10173-6	IDS ITEM, BLADE	3	Prop	
BLADE	T10173N-6	IDS ITEM, BLADE	3	Prop	
MTG BOLT/STUD	A-1328-1	BOLT, MOUNTING, 1/2-20, 12 POINT	6	Prop	

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GREAT LAKES

Model: 2T-1A-2
 Trade Name:
 Aircraft T.C./STC: Experimental
 Propeller Model: HC-A3VF-7
 Propeller T.C.: P6EA
 Blade Model(s):
 Prop Diameter: 89.6"

Prop Setup:

Ref. Radius 30
 Reverse Angle: -13.5 +-0.5
 Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
SPINNER	835-39P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-12	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-12H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3384-14H	BOLT, 1/4-28, HEX HEAD	2	Blade	

IDS No.: 2179 Rev.: Date: 11/21/2003

Modifier:
 Engine: 250-B17C
 Power: 420 HP @ 2030 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 85.0 +-1.0
 Cwt Angle:

Non-HPI Governor:

GREAT LAKES

Model: 2T-1A-2
 Trade Name:
 Aircraft T.C./STC: Experimental
 Propeller Model: HC-A3MVF-7
 Propeller T.C.: P6EA
 Blade Model(s): MV10133AN-11
 Prop Diameter: 89.6"

Prop Setup:

Ref. Radius 30
 Reverse Angle: -13.0 +-0.5
 Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV10133AN-11	IDS ITEM, BLADE	3	Prop	
SPINNER	835-39P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-12	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-12H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3384-14H	BOLT, 1/4-28, HEX HEAD	2	Blade	

IDS No.: 539 Rev.: Date: 5/17/1998

Modifier:
 Engine: 250-B17C
 Power: 420 HP @ 2030 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 85.0 +-1.0
 Cwt Angle:

Non-HPI Governor:

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GRIFFON AEROSPACE

Model:

Trade Name: LIONHEART

Aircraft T.C./STC: Experimental

Propeller Model: HC-B3R30-4

Propeller T.C.: P28EA

Blade Model(s): R10152-5.5
R10152N-5.5

Prop Diameter: 95.5" NO CUT OFF

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 15.0 +-0.2

IDS No.: 1643

Rev.: 1

Date: 1/10/2011

Modifier:

Engine: R985

Power: 450 HP @ 2300 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 38.0 +-2.0

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3300051	HC-B3R30-4/R10152N-5.5	1	A/C	
BLADE	R10152-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	REPLACED BY R10152N-5.5
BLADE	R10152N-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-32PR	SPINNER ASSEMBLY	1	A/C	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

GROB

Model: G-115-C2

Trade Name:

Aircraft T.C./STC: A57EU

Propeller Model: HC-F2YR-1F

Propeller T.C.: P27EA

Blade Model(s): F7666A-3R

Prop Diameter: 73"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 13.0 +-0.2

IDS No.: 1282

Rev.:

Date: 9/19/2001

Modifier:

Engine: O-360-A1F6

Power: 180 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 32.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2R00041	HC-F2YR-1F/F7666A-3R/SM14	1	A/C	
BLADE	F7666A-3R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-23P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-14	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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GROB

Model: G115T
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YR-4CF
Propeller T.C.: P-920
Blade Model(s): FC8477A-4*1
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1280 **Rev.:** **Date:** 12/23/2003

Modifier:
Engine: AEIO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8477A-4*1	PCP:BLADE UNIT, B-3202H-8	2	Prop	
SPINNER	A-2297	SPINNER ASSEMBLY	1	Prop	
SPINNER	A-2297-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-8	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

GROB

Model: G115TA / G120A
Trade Name:
Aircraft T.C./STC: A57EU/A49CE
Propeller Model: HC-C3YR-4BF
Propeller T.C.: P25EA
Blade Model(s): FC7663R
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1155 **Rev.:** **Date:** 5/1/2002

Modifier:
Engine: AEIO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00230	HC-C3YR-4BF/FC7663R/SM9			
PROPELLER	C3R00230KD	HC-C3YR-4BF/FC7663R/SM9			
BLADE	FC7663R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-5205	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5205-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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GROB

Model: G120A
Trade Name:
Aircraft T.C./STC: A49CE
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA

Blade Model(s): F7663R
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1849 **Rev.:** **Date:** 2/20/2003
Modifier:
Engine: AEIO-540-D4D5
Power: 260 HP @ 2700 RPM
Placard/Restr: Aerobatic Category: Power-on spins, power-on tailslides, and snap (flick) rolls are prohibited.

Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00062	HC-C3YR-1RF/F7663R/SM35	1	A/C	
PROPELLER	C3R00062KD	HC-C3YR-1RF/F7663R/SM35	1	A/C	
BLADE	F7663R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3570	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3570-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E2-1	GOVERNOR ASSEMBLY, E-2-()	1	A/C	
SPIN MTG KIT	A-2476-35	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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GROB/E-SYSTEMS

Model: G520
Trade Name: EGRETT
Aircraft T.C./STC: A63EU
Propeller Model: HC-E4P-5
Propeller T.C.: P10NE

IDS No.: 540 **Rev.:** 2 **Date:** 10/17/2011

Modifier:
Engine: TPE331-14F-801L
Power: 750 HP @ 1540 RPM
Placard/Restr: Stabilized ground operation is prohibited below 62% (955) RPM. Do not exceed 1450 RPM on the ground unless aircraft is headed into the wind. Do not select maximum reverse at speeds above 50 KIAS. The aircraft weight limits are minimum gross weight of 3000 Kg. (6615 lbs.) and maximum gross weight of 4990 Kg. (11000 lbs.)

Blade Model(s): E11990K
Prop Diameter: 120" NO CUT OFF

Notes: Use Aeroshell 22 grease per Manual 202A

Prop Setup:

Ref. Radius: 42
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle:

Startlock Angle: -1.5 +/-0.1

Feather/High Angle: 81.5 +/-0.1

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	E11990K	PCP:BLADE ASSY, COMPOSITE	4	Prop	
SPINNER	D-5362	SPINNER ASSEMBLY, COMPOSITE	1	Prop	
COUNTERWEIGHT	C-706	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-745-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-13	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-28H	BOLT, 3/8-24, HEX HEAD	2	Blade	
DE-ICER	4H2839-1	DE-ICE BOOT	1	Blade	Blade Component, Supersedes 7931 4E2839-1
DE-ICER	7931-4E2839-1	PROP DE-ICER	1	Blade	Blade Component
DE-ICE KIT_PR	7931-67-595-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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GROB/E-SYSTEMS

Model: G520
Trade Name: EGRETT
Aircraft T.C./STC: A63EU
Propeller Model: HC-E4P-5E
Propeller T.C.: P10NE

IDS No.: 1446 **Rev.:** 1 **Date:** 10/17/2011

Modifier:
Engine: TPE331-14F-801L
Power: 750 HP @ 1540 RPM
Placard/Restr: Stabilized ground operation is prohibited below 62% (955) RPM. Do not exceed 1450 RPM on the ground unless aircraft is headed into the wind. Do not select maximum reverse at speeds above 50 KIAS. The aircraft weight limits are minimum gross weight of 3000 Kg. (6615 lbs.) and maximum gross weight of 4990 Kg. (11000 lbs.)

Blade Model(s): E11990K
Prop Diameter: 120" NO CUT OFF

Notes: Use Aeroshell 22 grease per Manual 202A

Prop Setup:

Ref. Radius: 42
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle:

Startlock Angle: -1.5 +/-0.1

Feather/High Angle: 81.5 +/-0.1

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4P00216	HC-E4P-5E/E11990K	1	A/C	
PROPELLER	E4P00216S	HC-E4P-5E/E11990K/D-5362	1	A/C	
BLADE	E11990K	PCP:BLADE ASSY, COMPOSITE	4	Prop	
SPINNER	D-5362	SPINNER ASSEMBLY, COMPOSITE	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-706	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-745-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-13	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-28H	BOLT, 3/8-24, HEX HEAD	2	Blade	
DE-ICER	4H2839-1	DE-ICE BOOT	1	Blade	Blade Component, Supersedes 7931 4E2839-1
DE-ICER	7931-4E2839-1	PROP DE-ICER	1	Blade	Blade Component
DE-ICE KIT_PR	7931-67-595-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3347	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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GRUMMAN

Model: S-2
Trade Name: TRACKER
Aircraft T.C./STC: SA4837NM
Propeller Model: HC-B5MP-5
Propeller T.C.: P44GL

IDS No.: 542 **Rev.:** 1 **Date:** 9/12/2011
Modifier: MARSH AVIATION
Engine: TPE331-14A-801Z
Power: 1250 HP @ 1540 RPM
Placard/Restr: A. Stabilized ground operation below 58% (893) RPM is prohibited. B. Stabilized ground operation between 68% (1047) RPM and 81% (1247) RPM is prohibited.
 Recommendation: Static idle only below 68% (1047) Rpm. Perform all taxi and ground maneuvering above 81% (1247) RPM.

Blade Model(s): M11276NS
 M11276NSK
Prop Diameter: 115.2" TO 114.7"

Notes: The aircraft minimum gross limit is 13000. Refer to Manual 139 for Airworthiness Limitations.

Prop Setup:

Ref. Radius 42
Reverse Angle: -5.5 +-0.5
Low Pitch Angle: NA

Startlock Angle: -2.5 +-0.1
Feather/High Angle: 83.0 +-0.5
Cwt Angle: 6.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	M11276NS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M11276NSK	IDS ITEM, BLADE, 4E2595-7 BOOT	5	Prop	
SPINNER	D-1689	IDS Item	1	Prop	
CWT_SLUG	B-3343	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2595-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2595-7
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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GRUMMAN

Model: S-2
Trade Name: TURBO FIRECAT
Aircraft T.C./STC: Experimental
Propeller Model: HC-B5MA-3B
Propeller T.C.: P44GL
Blade Model(s): M11296NS
 M11296S
Prop Diameter: 115.2" TO 114.7"

Prop Setup:

Ref. Radius 42
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 17.6 +-0.1

IDS No.: 541 **Rev.:** 1 **Date:** 1/7/2011
Modifier: CONAIR
Engine: PT6A-67AF
Power: 1424 HP @ 1700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.1 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5A10170	HC-B5MA-3B/M11296NS	2	A/C	
PROPELLER	B5A10170KD	HC-B5MA-3B/M11296NS	2	A/C	
BLADE	M11296NS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M11296S	BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-5574-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT, HEX, SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3347	BOLT, MOUNTING, 9/16-18, 12 POINT	12	Prop	

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GRUMMAN

Model: S-2F3AT
Trade Name: TRACKER
Aircraft T.C./STC: T00009LA
Propeller Model: HC-B5MA-5H
Propeller T.C.: P44GL

Blade Model(s): M11692NS
M11692NSK

Prop Diameter: 118.7"

Prop Setup:

Ref. Radius: 42
Reverse Angle: -11.5 +-0.5
Low Pitch Angle: NA

IDS No.: 1508 **Rev.:** 1 **Date:** 1/10/2011
Modifier: MARSH AVIATION
Engine: TPE331-14GR
Power: 1650 HP @ 1552 RPM
Placard/Restr: The ground idle speed must be at or above 65% (1009 RPM).

Notes:

Startlock Angle: -1.8 +-0.1
Feather/High Angle: 80.0 +-0.5
Cwt Angle: 2.5 +-1.5

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5A10231	HC-B5MA-5H/M11692NS	2	A/C	
PROPELLER	B5A10231KD	HC-B5MA-5H/M11692NS	2	A/C	
PROPELLER	B5A10231S	HC-B5MA-5H/M11692NS/E-5760-P	2	A/C	
PROPELLER	B5A10231SKD	HC-B5MA-5H/M11692NS/E-5760-P	2	A/C	
PROPELLER	B5A10232	HC-B5MA-5H/M11692NSK	2	A/C	
PROPELLER	B5A10232KD	HC-B5MA-5H/M11692NSK	2	A/C	
PROPELLER	B5A10232S	HC-B5MA-5H/M11692NSK/SPIN/DEI	2	A/C	
PROPELLER	B5A10232SKD	HC-B5MA-5H/M11692NSK/SPIN/DEI	2	A/C	
BLADE	M11692NS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M11692NSK	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	E-5760-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-12H	BOLT, 1/4-28, HEX HEAD	5	Prop	
SPIN MTG KIT	B-3384-17H	BOLT, 1/4-28, HEX HEAD	5	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
SP_MT_KIT_DE-ICE	B-3384-16H	BOLT, 1/4-28, HEX HEAD	5	Prop	
SP_MT_KIT_DE-ICE	B-3384-21H	BOLT, 1/4-28, HEX HEAD	5	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SP_MT_KIT_DE-ICE	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	B-7222	PCP:SLUG, COUNTERWEIGHT	1	Blade	
DE-ICER	4H3055-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3055-1
DE-ICE KIT_PR	7931-67-939-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	

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GRUMMAN

Model: S-2E
Trade Name: TRACKER
Aircraft T.C./STC: Experimental
Propeller Model: HC-E5B-5
Propeller T.C.: P20NE
Blade Model(s): E12902K

IDS No.: 1283 **Rev.:** 1 **Date:** 9/9/2011
Modifier: MARSH AVIATION
Engine: TPE331-15AW
Power: 1645 HP @ 1390 RPM
Placard/Restr:
Notes: Reference Manual 147 for Airworthiness Limitations.

Prop Diameter:

Prop Setup:

Ref. Radius: 54
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: NA

Startlock Angle: -4.0 +-0.2
Feather/High Angle: 78.7 +-0.5
Cwt Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E5B00020	HC-E5B-5/E12902K	2	A/C	
PROPELLER	E5B00020KD	HC-E5B-5/E12902K	2	A/C	
BLADE	E12902K	PCP:BLADE ASSY, COMPOSITE	5	Prop	
SPINNER	D-5597-1	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	10	Prop	
COUNTERWEIGHT	C-706-4	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-2831	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-13H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-23H	BOLT, 3/8-24, HEX HEAD	2	Blade	
DE-ICER	5H2429-1	DE-ICE BOOT	1	Blade	Supersedes 7931-5E2429-1
DE-ICE KIT_PR	7931-67-740-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3347	BOLT, MOUNTING, 9/16-18, 12 POINT	12	Prop	

GRUMMAN

Model: G44
Trade Name: WIDGEON
Aircraft T.C./STC: FIELD APPROVAL
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468A-6R
Prop Diameter: 80.0 TO 78.0

IDS No.: 2668 **Rev.:** **Date:** 1/10/2007
Modifier:
Engine: IO-520-E
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.1

Startlock Angle: 17.0 +-1.5
Feather/High Angle: 81.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8468A-6R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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GRUMMAN

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-64
Propeller Model: HC-A2X20-2
Propeller T.C.: P908
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 18.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2381 **Rev.:** **Date:** 12/18/2003
Modifier: A.C.E. AVIATION
Engine: GO-435-C2B
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: 23.5 +-1.5
Feather/High Angle: 89.0 +-0.5
Cwt Angle:

Non-HPI Governor:

GRUMMAN

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-64
Propeller Model: HC-A2V20-2
Propeller T.C.: P24EA
Blade Model(s): V9333N-3
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 18.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2383 **Rev.:** **Date:** 12/2/2003
Modifier: A.C.E. AVIATION
Engine: GO-435-C2B
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: 23.5 +-1.5
Feather/High Angle: 89.0 +-0.5
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V9333N-3	BLADE	2	Prop	

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GRUMMAN

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-64
Propeller Model: HC-83X20-2A
Propeller T.C.: P913
Blade Model(s): 8433
Prop Diameter: 84"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	1	Prop	

IDS No.: 2380 Rev.: Date: 12/18/2003

Modifier: VIKING AIR LTD.
Engine: GO-435-C2B
Power: 260 HP @ 3400 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

GRUMMAN

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-64
Propeller Model: HC-A3X20-2
Propeller T.C.: P913
Blade Model(s): 8433
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	3	Prop	

IDS No.: 2382 Rev.: Date: 12/2/2003

Modifier: A.C.E. AVIATION
Engine: GO-435-C2B
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: 21.3 +-1.5
Feather/High Angle: 82.5 +-0.5
Cwt Angle:

Non-HPI Governor:

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GRUMMAN

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-64
Propeller Model: HC-A3V20-2
Propeller T.C.: P6EA
Blade Model(s): V8433
V8433N

Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	3	Prop	
BLADE	V8433N	BLADE	3	Prop	

IDS No.: 2384 **Rev.:** **Date:** 12/2/2003
Modifier: A.C.E. AVIATION
Engine: GO-435-C2B
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: 21.3 +-1.5

Feather/High Angle: 82.5 +-0.5

Cwt Angle:

Non-HPI Governor:

GRUMMAN

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-65, -64
Propeller Model: HC-A3X20-2, HC-83X20-2A
Propeller T.C.: P913, P884
Blade Model(s): 8433
Prop Diameter: 84" NO CUT OFF

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	1	Prop	

IDS No.: 2385 **Rev.:** **Date:** 12/18/2003
Modifier: VIKING AIR LTD.
Engine: GO-480-B1
Power: 270 HP @ 3400 RPM
Placard/Restr:
Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle:

Non-HPI Governor:

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GRUMMAN

Model: G44-G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-65, -64
Propeller Model: HC-A3V20-2
Propeller T.C.: P6EA
Blade Model(s): V8433
 V8433N
Prop Diameter: 84" NO CUT OFF

IDS No.: 2386 **Rev.:** **Date:** 12/18/2003
Modifier: VIKING AIR LTD.
Engine: GO-480-B1
Power: 270 HP @ 3400 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	3	Prop	
BLADE	V8433N	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	1	Prop	

GRUMMAN

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-111
Propeller Model: HC-A3X20-2, HC-83X20-2A
Propeller T.C.: P913, P884
Blade Model(s): 8433
Prop Diameter: 84"

IDS No.: 2378 **Rev.:** **Date:** 12/18/2003
Modifier: VIKING AIR LTD.
Engine: GO-480-C1D6
Power: 295 HP @ 3400 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	1	Prop	

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GRUMMAN

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-111
Propeller Model: HC-A3V20-2
Propeller T.C.: P6EA
Blade Model(s): V8433
V8433N
Prop Diameter: 84"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

IDS No.: 2379 **Rev.:** **Date:** 12/18/2003
Modifier: VIKING AIR LTD.
Engine: GO-480-C1D6
Power: 295 HP @ 3400 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	3	Prop	
BLADE	V8433N	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2()	1	Prop	

GRUMMAN

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA835SO
Propeller Model: HC-A3VF-5R
Propeller T.C.: P6EA
Blade Model(s): V9333C-3
V9333N-3
Prop Diameter: 90"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

IDS No.: 2387 **Rev.:** **Date:** 12/18/2003
Modifier: AEROMAR INC.
Engine: GO-480-G2D6
Power: 295 HP @ 3400 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V9333C-3	BLADE	3	Prop	
BLADE	V9333N-3	BLADE	3	Prop	
SPINNER	C-3043-7	IDS Item	1	Prop	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3()	1	Prop	

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GRUMMAN

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA2-13
Propeller Model: HC-A2XF-2B
Propeller T.C.: P908
Blade Model(s): 8433
Prop Diameter: 84"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2374 Rev.: Date: 12/18/2003

Modifier: JR McDERMOTT CO.

Engine: IO-470-D

Power: 260 HP @ 2625 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle:

Non-HPI Governor:

GRUMMAN

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA2-13
Propeller Model: HC-A2XF-2, HC-82XF-2C
Propeller T.C.: P908(HC-82XF-2);P878
Blade Model(s): 8433
Prop Diameter: 84"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2375 Rev.: Date: 12/18/2003

Modifier: JR McDERMOTT CO.

Engine: O-470-B

Power: 240 HP @ 2600 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle:

Non-HPI Governor:

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GRUMMAN

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA2-13
Propeller Model: HC-A2VF-2B
Propeller T.C.: P24EA
Blade Model(s): V8433
V8433N
Prop Diameter: 84"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2376 **Rev.:** **Date:** 12/18/2003
Modifier: JR McDERMOTT CO.
Engine: IO-470-D
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

GRUMMAN

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: Unknown
Propeller Model: PHC-A3VF-2B
Propeller T.C.: P6EA
Blade Model(s): V7636
V7636N
Prop Diameter: 76" TO 74"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636	IDS ITEM	3	Prop	
BLADE	V7636N	BLADE	3	Prop	

IDS No.: 2389 **Rev.:** **Date:** 12/18/2003
Modifier: G.J. NEWELL
Engine: IO-520-E
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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GRUMMAN (AERO PLANES LLC)

Model: G21C, D
Trade Name: GOOSE
Aircraft T.C./STC: 4A24
Propeller Model: not procurable
Propeller T.C.:

Blade Model(s):
Prop Diameter: 93.2" TO 91"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -23.0 +0.5
Low Pitch Angle: 17.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
SPINNER	836-25P	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-26P	SPINNER ASSEMBLY	1	Prop	

IDS No.: 566 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: GSO-480-B2D6
Power: 340 HP @ 2182 RPM
Placard/Restr: Avoid continuous operation between 2800 and 3100 engine RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 85.0 +0.5
Cwt Angle: Positive

Non-HPI Governor:

GRUMMAN (GULFSTREAM AERO.)

Model: G44
Trade Name: WIDGEON
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468-6R*1
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8468-6R*1	PCP:BLADE UNIT, B-3202H-1 CWT	3	Prop	
SPINNER	C-4558-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 561 **Rev.:** **Date:** 3/11/2003
Modifier: WILLIAM GRENIER
Engine: IO-520-E
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 17.0 +-1.5
Feather/High Angle: 81.0 +-0.5
Cwt Angle:

Non-HPI Governor:

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: A734
Propeller Model: HC-12X20-2, HC-D2X20-3, HC-12X20-3
Propeller T.C.:
Blade Model(s): 8428
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8428	BLADE CONFIG ITEM	2	Prop	

IDS No.: 2189 Rev.: Date: 11/21/2003

Modifier:
Engine: 6-440-C5
Power: 200 HP @ 2450 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 20.0 +-0.5
Cwt Angle:

Non-HPI Governor:

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: A734
Propeller Model: HC-12X20-8C, HC-D2X20-8
Propeller T.C.:
Blade Model(s): 8428
Prop Diameter: 84.5" TO 82.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8428	BLADE CONFIG ITEM	2	Prop	

IDS No.: 2188 Rev.: Date: 11/21/2003

Modifier:
Engine: 6-440-C5
Power: 200 HP @ 2450 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: A734
Propeller Model: HC-12X20-2,-3; -D2X20-3
Propeller T.C.:
Blade Model(s): 8428
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8428	BLADE CONFIG ITEM	2	Prop	

IDS No.: 551 Rev.: Date: 10/2/1992
Modifier:
Engine: 6-440-C5
Power: 200 HP @ 2450 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 20.0 +-0.5
Cwt Angle:

Non-HPI Governor:

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: A734
Propeller Model: HC-12X20-8C, -D2X20-8
Propeller T.C.:
Blade Model(s): 8428
Prop Diameter: 84.5" TO 82.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8428	BLADE CONFIG ITEM	2	Prop	

IDS No.: 550 Rev.: Date: 10/2/1992
Modifier:
Engine: 6-440-C5
Power: 200 HP @ 2450 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
 Trade Name: WIDGEON
 Aircraft T.C./STC: A734
 Propeller Model: not procurable
 Propeller T.C.:
 Blade Model(s):
 Prop Diameter: 93"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 17.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
COUNTERWEIGHT	B-891-2	IDS Item	1	Blade	

IDS No.: 545 Rev.: Date: 3/21/2007
 Modifier:
 Engine: GO-435-C2, -C2B
 Power: 240 HP @ 2182 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 37.5 +-Unknown
 Cwt Angle: Positive

Non-HPI Governor:

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
 Trade Name: WIDGEON
 Aircraft T.C./STC: A734
 Propeller Model: HC-82X20-2, HC-A2X20-2
 Propeller T.C.: P24EA
 Blade Model(s): 9333C-3
 Prop Diameter: 90"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 18.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	9333C-3	BLADE	2	Prop	
SPINNER	835-1S	IDS Item	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2182 Rev.: Date: 11/21/2003
 Modifier:
 Engine: GO-435-C2B
 Power: 260 HP @ 2182 RPM
 Placard/Restr:
 Notes:

Startlock Angle: 23.5 +-1.5
 Feather/High Angle: 89.0 +-0.5
 Cwt Angle: Positive

Non-HPI Governor:

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
 Trade Name: WIDGEON
 Aircraft T.C./STC: A734
 Propeller Model: HC-82X20-2, HC-A2X20-2
 Propeller T.C.: P24EA
 Blade Model(s): 9333C-3
 Prop Diameter: 90"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 19.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	9333C-3	BLADE	2	Prop	
SPINNER	835-1S	IDS Item	1	Prop	

IDS No.: 2180 Rev.: Date: 11/21/2003

Modifier:
 Engine: GO-435-C2, -C2B
 Power: 240 HP @ 2182 RPM
 Placard/Restr:
 Notes:

Startlock Angle: 23.5 +-1.5
 Feather/High Angle: 89.0 +-0.5
 Cwt Angle: Positive

Non-HPI Governor:

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
 Trade Name: WIDGEON
 Aircraft T.C./STC: A734
 Propeller Model: HC-82V20-2, HC-A2V20-2
 Propeller T.C.: P24EA
 Blade Model(s): V9333C-3
 V9333N-3
 Prop Diameter: 90"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 18.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V9333C-3	BLADE	2	Prop	
BLADE	V9333N-3	BLADE	2	Prop	
SPINNER	835-1S	IDS Item	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2183 Rev.: Date: 11/21/2003

Modifier:
 Engine: GO-435-C2B
 Power: 260 HP @ 2182 RPM
 Placard/Restr:
 Notes:

Startlock Angle: 23.5 +-1.5
 Feather/High Angle: 89.0 +-0.5
 Cwt Angle: Positive

Non-HPI Governor:

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: A734
Propeller Model: HC-82V20-2, HC-A2V20-2
Propeller T.C.: P24EA
Blade Model(s): V9333C-3
V9333N-3
Prop Diameter: 90"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 19.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V9333C-3	BLADE	2	Prop	
BLADE	V9333N-3	BLADE	2	Prop	
SPINNER	835-1S	IDS Item	1	Prop	

IDS No.: 2181 Rev.: Date: 11/21/2003
Modifier:
Engine: GO-435-C2, -C2B
Power: 240 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 23.5 +-1.5
Feather/High Angle: 89.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: A734
Propeller Model: HC-A2MV20-2
Propeller T.C.: P24EA
Blade Model(s): MV9333N-3
Prop Diameter: 90"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 18.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A2210011	HC-A2MV20-2/MV9333N-3	2	A/C	
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-1S	IDS Item	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 547 Rev.: 1 Date: 1/7/2011
Modifier:
Engine: GO-435-C2B
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 23.5 +-1.5
Feather/High Angle: 89.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
 Trade Name: WIDGEON
 Aircraft T.C./STC: A734
 Propeller Model: HC-A2MV20-2
 Propeller T.C.: P24EA
 Blade Model(s): MV9333N-3
 Prop Diameter: 90"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 19.0 +-0.2

IDS No.: 546 Rev.: 1 Date: 1/7/2011

Modifier:
 Engine: GO-435-C2, -C2B
 Power: 240 HP @ 2182 RPM
 Placard/Restr:
 Notes:

Startlock Angle: 23.5 +-1.5
 Feather/High Angle: 89.0 +-0.5
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-1S	IDS Item	1	Prop	

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
 Trade Name: WIDGEON
 Aircraft T.C./STC: A734
 Propeller Model: HC-83X20-2, HC-A3X20-2, HC-83X20-2A
 Propeller T.C.: P6EA
 Blade Model(s): 8433
 Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 14.0 +-0.2

IDS No.: 2184 Rev.: Date: 11/21/2003

Modifier:
 Engine: GO-435-C2B
 Power: 260 HP @ 2182 RPM
 Placard/Restr:

Notes:

Startlock Angle: 21.3 +-1.5
 Feather/High Angle: 82.5 +-0.5
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: A734
Propeller Model: HC-83V20-2, HC-A3V20-2, HC-83V20-2A
Propeller T.C.: P6EA
Blade Model(s): V8433
 V8433N
Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 2185 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GO-435-C2B
Power: 260 HP @ 2182 RPM
Placard/Restr:

Notes:

Startlock Angle: 21.3 +-1.5
Feather/High Angle: 82.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433	BLADE	3	Prop	
BLADE	V8433N	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: A734
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV8433N
Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 548 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: GO-435-C2B
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 21.3 +-1.5
Feather/High Angle: 82.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A3210064	HC-A3MV20-2/MV8433N	2	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	2	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: A734
Propeller Model: HC-83X20-2, HC-A3X20-2, HC-83X20-2A
Propeller T.C.: P6EA
Blade Model(s): 8433
Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2186 Rev.: Date: 11/21/2003

Modifier:
Engine: GO-480-B1, -B1D
Power: 270 HP @ 2182 RPM
Placard/Restr:

Notes:

Startlock Angle: 22.8 +-1.5
Feather/High Angle: 84.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: A734
Propeller Model: HC-83V20-2, HC-A3V20-2
Propeller T.C.: P6EA
Blade Model(s): V8433
V8433N
Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	3	Prop	
BLADE	V8433N	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2187 Rev.: Date: 11/21/2003

Modifier:
Engine: GO-480-B1, -B1D
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 22.8 +-1.5
Feather/High Angle: 84.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: A734
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV8433N
Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.2

IDS No.: 549 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: GO-480-B1, -B1D
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 22.8 +-1.5
Feather/High Angle: 84.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3210070	HC-A3MV20-2/MV8433N	2	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	2	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-64
Propeller Model: HC-A2MV20-2
Propeller T.C.: P24EA
Blade Model(s): MV9333N-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 18.0 +-0.2

IDS No.: 557 **Rev.:** 1 **Date:** 1/7/2011
Modifier: VIKING AIR LTD.
Engine: GO-435-C2B
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 23.5 +-1.5
Feather/High Angle: 89.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-65,-64
Propeller Model: HC-83X20-2A
Propeller T.C.: P6EA
Blade Model(s): 8433
Prop Diameter: 84.6" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.2

IDS No.: 2193 **Rev.:** **Date:** 11/21/2003
Modifier: VIKING AIR LTD.
Engine: GO-480-B1
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 22.8 +-1.5
Feather/High Angle: 84.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-64
Propeller Model: HC-83X20-2A
Propeller T.C.: P6EA
Blade Model(s): 8433
Prop Diameter: 84.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 2192 **Rev.:** **Date:** 11/21/2003
Modifier: VIKING AIR LTD.
Engine: GO-435-C2B
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 21.3 +-1.5
Feather/High Angle: 82.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-64
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV8433N
Prop Diameter: 84.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +0.2

IDS No.: 558 **Rev.:** **Date:** 6/6/2006
Modifier: VIKING AIR LTD.
Engine: GO-435-C2B
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 21.3 +-1.5
Feather/High Angle: 82.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	2	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-65,-64
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV8433N
Prop Diameter: 84.6" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.2

IDS No.: 559 **Rev.:** 1 **Date:** 1/7/2011
Modifier: VIKING AIR LTD.
Engine: GO-480-B1
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 22.8 +-1.5
Feather/High Angle: 84.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3210069	HC-A3MV20-2/MV8433N	2	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	2	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-111
Propeller Model: HC-83X20-2A
Propeller T.C.: P6EA
Blade Model(s): 8433
Prop Diameter: 84.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.2

IDS No.: 2191 **Rev.:** **Date:** 11/21/2003
Modifier: VIKING AIR LTD.
Engine: GO-480-C1D6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-111
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV8433N
Prop Diameter: 84.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.2

IDS No.: 556 **Rev.:** 1 **Date:** 1/7/2011
Modifier: VIKING AIR LTD.
Engine: GO-480-C1D6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B2	GOVERNOR ASSEMBLY, B-2-()	2	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA835SO
Propeller Model: HC-A3VF-5R
Propeller T.C.: P6EA
Blade Model(s): V9333C-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -12.0 +-0.1
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V9333C-3	BLADE	3	Prop	
SPINNER	C-3043-7	IDS Item	1	Prop	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3-()	1	Prop	
COUNTERWEIGHT	833-29	IDS Item	1	Blade	
CWT_SLUG	A-890-12	PCP:SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3384-12H	BOLT, 1/4-28, HEX HEAD	2	Blade	

IDS No.: 2190 **Rev.:** **Date:** 11/21/2003

Modifier: AEROMAR INC.
Engine: GO-480-G2D6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 84.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA835SO
Propeller Model: HC-A3MVF-5R
Propeller T.C.: P6EA
Blade Model(s): MV9333N-3
Prop Diameter: 90.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -12.0 +-0.1
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3043-7	IDS Item	1	Prop	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3-()	2	A/C	
COUNTERWEIGHT	833-29	IDS Item	1	Blade	
CWT_SLUG	A-890-12	PCP:SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3384-12H	BOLT, 1/4-28, HEX HEAD	2	Blade	

IDS No.: 554 **Rev.:** 1 **Date:** 1/7/2011

Modifier: AEROMAR INC.
Engine: GO-480-G2D6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 84.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA2-13
Propeller Model: HC-82XF-2C
Propeller T.C.: P24EA
Blade Model(s): 8433
Prop Diameter: 84.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	833-9-2	IDS Item	1	Blade	

IDS No.: 2195 Rev.: Date: 11/21/2003

Modifier: JR McDERMOTT CO.
Engine: O-470-B
Power: 240 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA2-13
Propeller Model: HC-A2MVF-2
Propeller T.C.: P24EA
Blade Model(s): MV8433N
Prop Diameter: 84.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	833-9-2	IDS Item	1	Blade	

IDS No.: 564 Rev.: Date: 5/17/1998

Modifier: JR McDERMOTT CO.
Engine: O-470-B
Power: 240 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA2-13
Propeller Model: HC-A2MVF-2B
Propeller T.C.: P24EA
Blade Model(s): MV8433N
Prop Diameter: 84.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	833-9-2	IDS Item	1	Blade	

IDS No.: 563 **Rev.:** **Date:** 5/17/1998

Modifier: JR McDERMOTT CO.
Engine: IO-470-D
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: STC-SA4-2
Propeller Model: HC-93Z20-2D1
Propeller T.C.:
Blade Model(s): 9349-5
9349N-5
Prop Diameter: 88"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	9349-5	IDS Item	3	Prop	
BLADE	9349N-5	IDS Item	3	Prop	

IDS No.: 555 **Rev.:** **Date:** 10/7/1998

Modifier: GANDER AIRCRAFT
Engine: R680-E
Power: 300 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
 Trade Name: WIDGEON
 Aircraft T.C./STC: STC-SA4-2
 Propeller Model: HC-93Z20-2D1
 Propeller T.C.:
 Blade Model(s): 9349-9
 9349N-9

Prop Diameter: 84"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 16.5 +-0.2

IDS No.: 1567 Rev.: Date: 10/7/1998
 Modifier: GANDER AIRCRAFT
 Engine: R680-E
 Power: 300 HP @ 2300 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 83.0 +-1.0
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	9349-9	IDS Item	3	Prop	
BLADE	9349N-9	IDS Item	3	Prop	

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
 Trade Name: WIDGEON
 Aircraft T.C./STC: STC-SA4774NM
 Propeller Model: HC-C3YR-2UF, -2LUF
 Propeller T.C.: P25EA
 Blade Model(s): FC9587A-10
 FJC9587A-10

Prop Diameter: 87"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 12.3 +-0.2

IDS No.: 562 Rev.: Date: 1/12/2004
 Modifier: ACE AVIATION INC.
 Engine: TIO-540-J2BD, LTIO-540-J2BD
 Power: 300 HP @ 2575 RPM
 Placard/Restr:
 Notes:

Startlock Angle: 17.8 +-1.5
 Feather/High Angle: 82.0 +-0.5
 Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00189	HC-C3YR-2LUF/FJC9587A-10/SM11	2	A/C	
PROPELLER	C3R00207	HC-C3YR-2UF/FC9587A-10/SM11	2	A/C	
BLADE	FC9587A-10	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FJC9587A-10	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPIN MTG KIT	A-2476-11	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-15	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A, SCAN 30 (left side)
Trade Name: WIDGEON
Aircraft T.C./STC: SA4774NM
Propeller Model: HC-C3YR-2LUF
Propeller T.C.: P25EA
Blade Model(s): FJC9587A-10
Prop Diameter: 87"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.3 +-0.2

IDS No.: 1285 **Rev.:** **Date:** 5/5/2000
Modifier: A.C.E.AVIATION, INC.
Engine: LTIO-540-J2BD
Power: 300 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 17.8 +-1.5
Feather/High Angle: 82.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00186	HC-C3YR-2LUF/FJC9587A-10/SM11	1	A/C	
BLADE	FJC9587A-10	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPIN MTG KIT	A-2476-11	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-15	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A, SCAN 30 (right side)
Trade Name: WIDGEON
Aircraft T.C./STC: SA4774NM
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC9587A-10
Prop Diameter: 87"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.3 +-0.2

IDS No.: 1286 **Rev.:** **Date:** 5/5/2000
Modifier: A.C.E.AVIATION, INC.
Engine: TIO-540-J2BD (RIGHT SIDE)
Power: 300 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 17.8 +-1.5
Feather/High Angle: 82.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00206	HC-C3YR-2UF/FC9587A-10/SM11	1	A/C	
BLADE	FC9587A-10	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPIN MTG KIT	A-2476-11	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-15	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: Experimental
Propeller Model: PHC-A3VF-2B
Propeller T.C.: P6EA
Blade Model(s): V7636N
Prop Diameter: 76.625" TO 74.625"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636N	BLADE	3	Prop	
CWT_SLUG	A-30	IDS Item	3	Blade	

IDS No.: 2194 **Rev.:** **Date:** 11/21/2003
Modifier: G.J.NEWELL
Engine: IO-520-E
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 85.0 +-1.0
Cwt Angle:

Non-HPI Governor:

GRUMMAN (GULFSTREAM AERO.)

Model: G44, G44A
Trade Name: WIDGEON
Aircraft T.C./STC: Experimental
Propeller Model: PHC-A3MVF-2B
Propeller T.C.: P6EA
Blade Model(s): MV7636N
Prop Diameter: 76.625" TO 74.625"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
CWT_SLUG	A-30	IDS Item	3	Blade	

IDS No.: 560 **Rev.:** **Date:** 3/11/2003
Modifier: G.J.NEWELL
Engine: IO-520-E
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 85.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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GRUMMAN (GULFSTREAM AERO.)

Model: G73
Trade Name: MALLARD
Aircraft T.C./STC: STC SA2323WE
Propeller Model: HC-B3TN-3DY
Propeller T.C.: P15EA
Blade Model(s): T10178NB-5
Prop Diameter: 96.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +-0.4
Low Pitch Angle: 20.5 +-0.1

IDS No.: 544 **Rev.:** 2 **Date:** 6/4/2013
Modifier: FRAKES
Engine: PT6A-27
Power: 620 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.0 +-1.0
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10178NB-5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-090-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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GRUMMAN (GULFSTREAM AERO.)

Model: G-73
Trade Name: MALLARD
Aircraft T.C./STC: 226-I (CASAA)
Propeller Model: HC-D4N-3T
Propeller T.C.: P10NE

IDS No.: 1391 **Rev.:** 1 **Date:** 3/18/2011
Modifier: AERO ENGINEERS, AUSTRALIA
Engine: PT6A-34
Power: 680 HP @ 2200 RPM
Placard/Restr: Stabilized ground operation is prohibited between 450 and 1100 RPM. The propeller may be operated when feathered at or below 450 RPM.

Blade Model(s): D9511FK-2
Prop Diameter: 94"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +- 0.5
Low Pitch Angle: 19.5 +0.2, -0.0

Startlock Angle: -1.7 +-0.2
Feather/High Angle: 86.1 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00198KD	HC-D4N-3T/D9511FK-2	2	A/C	
PROPELLER	D4N00198S	HC-D4N-3T/D9511FK-2/D-5319P	2	A/C	
BLADE	D9511FK-2	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-5319-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H3101-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3101-1
DE-ICE KIT_PR	7931-67-933-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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GRUMMAN (MCKINNON)

Model: G21A
Trade Name: GOOSE
Aircraft T.C./STC: STC-SA1-52
Propeller Model: HC-B3(P,R,W,Z)30-2EA
Propeller T.C.: SEE NOTES
Blade Model(s): 10152-5.5
 10152N-5.5
 R10152N-5.5
Prop Diameter: 95.5" NO CUT OFF

IDS No.: 568 **Rev.:** 1 **Date:** 1/7/2011
Modifier: HARTZELL PROPELLER
Engine: R985 (with 4.5 & 6 order dampers)
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes: TC NO.: P2EA, date: 8/27/71 for W; TC NO.: P28EA, date: 3/31/67 for R; TC NO.: P29EA, date: 8/27/71 for P; TC NO.: P907, date: 3/7/67 for Z.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 87.0 +-2.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3300021	HC-B3R30-2EA/R10152-5.5	2	A/C	Replaced by B3310021
PROPELLER	B3310021	HC-B3R30-2EA/R10152N-5.5	2	A/C	
BLADE	10152-5.5	BLADE	3	Prop	
BLADE	10152N-5.5	BLADE	3	Prop	
BLADE	R10152N-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-17SPR	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C1	IDS Item	2	A/C	See STC
GOVERNOR	C2	IDS Item	2	A/C	See STC
GOVERNOR	C3	GOVERNOR ASSEMBLY, C-3- ()	2	A/C	See STC
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

GRUMMAN (MCKINNON)

Model: G21C, D
Trade Name: GOOSE
Aircraft T.C./STC: 4A24
Propeller Model: HC-83XF-3A
Propeller T.C.:
Blade Model(s):
Prop Diameter: 93.2" TO 91"

IDS No.: 2196 **Rev.:** **Date:** 11/21/2003
Modifier:
Engine: GSO-480-B2D6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -23.0 +-0.5
Low Pitch Angle: 17.5 +-0.2

Startlock Angle: NA
Feather/High Angle: 85.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
SPINNER	836-25P	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-26P	SPINNER ASSEMBLY	1	Prop	

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GRUMMAN (MCKINNON)

Model: G21C, D
 Trade Name: GOOSE
 Aircraft T.C./STC: 4A24
 Propeller Model: HC-83VF-3A
 Propeller T.C.:
 Blade Model(s):
 Prop Diameter: 93.2" TO 91"

Prop Setup:

Ref. Radius 30
 Reverse Angle: -23.0 +-0.5
 Low Pitch Angle: 17.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
SPINNER	836-25P	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-26P	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2197 Rev.: Date: 11/21/2003

Modifier:
 Engine: GSO-480-B2D6
 Power: 340 HP @ 2182 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 85.0 +-0.5
 Cwt Angle: Positive

Non-HPI Governor:

GRUMMAN (MCKINNON)

Model: G21E, G
 Trade Name: GOOSE
 Aircraft T.C./STC: 4A24
 Propeller Model: HC-B3TN-3DY
 Propeller T.C.: P15EA
 Blade Model(s): T10178B-5
 T10178NB-5
 Prop Diameter: 96.5" TO 96"

Prop Setup:

Ref. Radius 30
 Reverse Angle: -11.0 +-0.5
 Low Pitch Angle: 19.75 +-0.25

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10578S	HC-B3TN-3DY/T10178NB-5/C-3065P	2	A/C	
BLADE	T10178B-5	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178NB-5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-090-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

IDS No.: 567 Rev.: 2 Date: 6/4/2013

Modifier:
 Engine: PT6A-20, -27
 Power: 680 HP @ 2200 RPM
 Placard/Restr:
 Notes: Engine Ratings Note: PT6A-20 (550hp);
 Aeroplanes LLC (TC holder) granted
 approval for installation of de-ice kit 65-
 090-1 on Grumman Goose per letter dated
 9/30/2003.

Startlock Angle: 2.0 +-1.0
 Feather/High Angle: 86.0 +-1.0
 Cwt Angle: Positive

Non-HPI Governor:

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GRUMMAN (MCKINNON)

Model: G21G
Trade Name: GOOSE
Aircraft T.C./STC: STC SA2809WE
Propeller Model: HC-B3TN-5E
Propeller T.C.: P15EA
Blade Model(s): T10282NSB-6R
T10282SB-6R
Prop Diameter: 94.0" MIN

Prop Setup:

Ref. Radius: 30
Reverse Angle: UNKNOWN
Low Pitch Angle: UNKNOWN

IDS No.: 569 **Rev.:** 2 **Date:** 6/4/2013
Modifier: MCKINNON ENTERPRISES
Engine: TPE331-2UA
Power: 715 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: UNKNOWN
Feather/High Angle: UNKNOWN
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282NSB-6R	IDS ITEM, BLADE	3	Prop	
BLADE	T10282SB-6R	IDS*ITEM, BLADE	3	Prop	
SPINNER	C-3043-3	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

GRUMMAN G-164

Model: see SCHWEIZER
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 570 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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HAFEI AVIATION INDUSTRY CO.

Model: Y11-B
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: PHC-C3YF-2KUF
Propeller T.C.: P25EA
Blade Model(s): FC8468K-6R
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 576 **Rev.:** **Date:** 9/22/2006

Modifier:
Engine: TSIO-550-A1B
Power: 350 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 82.1 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8468K-6R	PCP:BLADE UNIT,4H2271-10 BOOT	3	Prop	
SPINNER	C-4558-3	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

HAFEI AVIATION INDUSTRY CO.

Model: Y11-B1
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: PHC-C3YF-2KUF
Propeller T.C.: P25EA
Blade Model(s): FC8468K-6R
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 575 **Rev.:** **Date:** 9/22/2006

Modifier:
Engine: TSIO-550-A1B
Power: 350 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 82.1 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8468K-6R	PCP:BLADE UNIT,4H2271-10 BOOT	3	Prop	
SPINNER	C-4558-3	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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HAFEI AVIATION INDUSTRY CO.

Model: Y12 IV
Trade Name:
Aircraft T.C./STC: A00006WI
Propeller Model: HC-B3TN-3B
Propeller T.C.: P15EA

Blade Model(s): T10173-3
 T10173B-3
 T10173N-3
 T10173NB-3

Prop Diameter: 97" Minimum

Prop Setup:

Ref. Radius: 30
Reverse Angle: -14.0 +-1.0
Low Pitch Angle: 18.5 +-0.1

IDS No.: 1157 **Rev.:** 2 **Date:** 4/8/2013
Modifier:
Engine: PT6A-27
Power: 620 HP @ 2120 RPM
Placard/Restr: The aircraft minimum gross weight is 7385 lbs.
Notes: Low pitch angle is approximate. Refer to aircraft maintenance instructions for torque and RPM requirements.

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10125	HC-B3TN-3B/T10173N-3	2	A/C	
PROPELLER	B3N10125KD	HC-B3TN-3B/T10173N-3	2	A/C	
PROPELLER	B3N10126	HC-B3TN-3B/T10173NB-3/DE-ICE	2	A/C	
PROPELLER	B3N10127	HC-B3TN-3B/T10173NB-3/BULK/DEI	2	A/C	
PROPELLER	B3N10127KD	HC-B3TN-3B/T10173NB-3/BULK/DEI	2	A/C	
PROPELLER	B3N10128	HC-B3TN-3B/T10173NB-3/BULK/DEI	2	A/C	
PROPELLER	B3N10128KD	HC-B3TN-3B/T10173NB-3/BULK/DEI	2	A/C	
BLADE	T10173-3	BLADE	3	Prop	
BLADE	T10173B-3	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10173N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10173NB-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT, HEX, SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-530-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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HAFEI AVIATION INDUSTRY CO.

Model: Y12E
Trade Name:
Aircraft T.C./STC: A00006WI
Propeller Model: HC-D4N-3N
Propeller T.C.: P10NE

Blade Model(s): D9511FK
Prop Diameter: 96" TO 95"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +- 0.5
Low Pitch Angle: 18.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00186S	HC-D4N-3N/D9511FK/D-630-P	2	A/C	
PROPELLER	D4N00186SKD	HC-D4N-3N/D9511FK/D-630-P	2	A/C	
BLADE	D9511FK	PCP:BLADE UNIT,ALUM 4H2271-12	4	Prop	
SPINNER	D-630-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-12
DE-ICE KIT_PR	7931-67-835-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-67-835-2	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

IDS No.: 1795 **Rev.:** **Date:** 11/25/2008

Modifier:
Engine: PT6A-135A
Power: 620 HP @ 1900 RPM
Placard/Restr: Stabilized ground operation is prohibited between 400 and 1050 propeller RPM. The propeller may be operated at or below 400 RPM when feathered.

Notes: Low pitch angle is approximate. Refer to aircraft maintenance instructions for torque and RPM requirements.

Startlock Angle: NA
Feather/High Angle: 86.1 +- 0.5
Cwt Angle:

Non-HPI Governor:

HANDLEY PAGE

Model: see BAE JETSTREAM
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 133 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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HARMON

Model: HARMON ROCKET
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-M2YR-1BF
Propeller T.C.: P43GL
Blade Model(s): F8475D-2
 F8475D-4
 F8475D-4*1
 F8475D-4*2
Prop Diameter: 82" TO 80"

IDS No.: 1070 **Rev.:** **Date:** 8/20/2009
Modifier:
Engine: IO-540-C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.1

Startlock Angle: NA
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	M2R00046	HC-M2YR-1BF/F8475D-4/SM32	1	A/C	
PROPELLER	M2R00047	HC-M2YR-1BF/F8475D-4[*1]/SM32	1	A/C	
PROPELLER	M2R00048	HC-M2YR-1BF/F8475D-2/SM32	1	A/C	
PROPELLER	M2R00049	HC-M2YR-1BF/F8475D-4[*2]/SM32	1	A/C	
BLADE	F8475D-2	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F8475D-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F8475D-4*1	PCP:BLADE UNIT, [3,1,1]	2	Prop	
BLADE	F8475D-4*2	PCP:BLADE UNIT, ALUM [3,5,1]	2	Prop	
SPINNER	C-3533	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3533-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	S-1-13	GOVERNOR ASSEMBLY, S-1-13	1	A/C	
GOVERNOR	V3-3	GOVERNOR ASSEMBLY, V-3(-)	1	A/C	Wide Deck
GOVERNOR	V3-7	GOVERNOR ASSEMBLY, V-3(-)	1	A/C	Narr deck non "A" eng S/N sufx
SPIN MTG KIT	A-2476-32	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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HARMON

Model: HARMON ROCKET
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-M2YR-1BF
Propeller T.C.: P43GL
Blade Model(s): F8475J-4
 F8475J-4*1
Prop Diameter: 80"-78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +/-0.1

IDS No.: 1506 **Rev.:** **Date:** 1/26/2010

Modifier:
Engine: IO-540-C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	M2R00043	HC-M2YR-1BF/F8475J-4[*1]/SM32	1	A/C	
PROPELLER	M2R00044	HC-M2YR-1BF/F8475J-4/SM32	1	A/C	
BLADE	F8475J-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F8475J-4*1	PCP:BLADE UNIT, ALUM [3,1,1]	2	Prop	
SPINNER	C-3533	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3533-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	S-1-13	GOVERNOR ASSEMBLY, S-1-13	1	A/C	
GOVERNOR	V3-3	GOVERNOR ASSEMBLY, V-3-()	1	A/C	Wide Deck
GOVERNOR	V3-7	GOVERNOR ASSEMBLY, V-3-()	1	A/C	Narr deck non "A" eng S/N sufx
SPIN MTG KIT	A-2476-32	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

HAWKER BEECHCRAFT

Model: 36, A36, F33A, V35, V35A, V35B
Trade Name: Bonanza
Aircraft T.C./STC: SA8676SW
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068
Prop Diameter: 82" to 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.0 +/- 0.2

IDS No.: 3188 **Rev.:** **Date:** 9/5/2012

Modifier: Western Skyways
Engine: IO-520-B,-BA,-BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 35.5 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F01900	PHC-C3YF-1RF/F8068/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	Blade, included with propeller
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	Buffed spinner (surface suitable for paint, sold separately)
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	Polished spinner, sold separately
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	Included with propeller
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-2R hub only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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HAWKER BEECHCRAFT

Model: 95-55, 95-(A)(B)55, 95-B55A, 95-B55B
Trade Name: Baron
Aircraft T.C./STC: STC-SA02561CH-D
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7391DB*1
Prop Diameter: 75" to 73.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: N/A
Low Pitch Angle: 12.0 +/- 0.2

IDS No.: 3056 **Rev.:** 2 **Date:** 5/16/2011
Modifier: Hartzell Propeller
Engine: IO-470-L
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.0 +/-1.0
Feather/High Angle: 80 +/- 0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00166	PHC-C3YF-2UF/FC7391DB[*1]/SM9	2	A/C	
PROPELLER	C3F00166KD	PHC-C3YF-2UF/FC7391DB[*1]/SM9	2	A/C	
BLADE	FC7391DB*1	PCP:BLADE UNIT, C-2131-3	3	Prop	
SPINNER	C-3567-9	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-9P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	Included with blade
DE-ICER	C-2131-3	BOOT, ANTI-ICING	1	Blade	
DE-ICE KIT_PR	103313	ANTI-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	USE WITH E-7167-2 HUB ONLY
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	USE WITH E-7167-12 HUB ONLY

HAWKER BEECHCRAFT

Model: E55
Trade Name: BARON
Aircraft T.C./STC: STC-SA02561CH-D
Propeller Model: PHC-J3YF-2UF
Propeller T.C.: P36EA
Blade Model(s): FC7391D
Prop Diameter: 75"- 73.5"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.8 +/- 0.2

IDS No.: 3058 **Rev.:** 1 **Date:** 5/19/2011
Modifier: HARTZELL PROPELLER
Engine: IO-520-C, -CB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: For E55's with factory air conditioning only.
 Not Available with de-ice/anti-ice.

Startlock Angle: 18.5 +/- 1.0
Feather/High Angle: 80.0 +/- 0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00116	PHC-J3YF-2UF/FC7391D/SM17	2	A/C	
PROPELLER	J3F00116KD	PHC-J3YF-2UF/FC7391D/SM17	2	A/C	
BLADE	FC7391D	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	C-3567-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-17	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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HAWKER BEECHCRAFT

Model: YT-34, T-34A, T34B
Trade Name: MENTOR
Aircraft T.C./STC: SA03069CH
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80"-78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0 +/- 0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 3157 **Rev.:** **Date:** 3/26/2012
Modifier: Aircraft Products Systems
Engine: IO-520-B, -BA, -BB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes: Notes:Optional engine model: IO-550-B
rated 300 HP at 2700 RPM

Startlock Angle:
Feather/High Angle: 36.0 +/- 1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00048	HC-C3YF-1RF/F8468A-6R/SM7	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	S-1-38	GOVERNOR ASSEMBLY, S-1-38	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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HAWKER BEECHCRAFT

Model: 95-C55, 95-D55, E55
Trade Name: BARON
Aircraft T.C./STC: STC-SA02561CH-D
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7391D
 FC7391DB*1

Prop Diameter: 75" to 73.5"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.8 +/-0.2

IDS No.: 3057 **Rev.:** 1 **Date:** 5/19/2011
Modifier: Hartzell Propeller Inc.
Engine: IO-520-C, -CB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +/- 1.0
Feather/High Angle: 80 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00161	PHC-C3YF-2UF/FC7391D/SM9	2	A/C	
PROPELLER	C3F00161KD	PHC-C3YF-2UF/FC7391D/SM9	2	A/C	
PROPELLER	C3F00167	PHC-C3YF-2UF/FC7391DB[*1]/SM9	2	A/C	Prop incl. blades with boot only
PROPELLER	C3F00167KD	PHC-C3YF-2UF/FC7391DB[*1]/SM9	2	A/C	Prop incl. blades with boot only
BLADE	FC7391D	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	IO-520 pitch stops
BLADE	FC7391DB*1	PCP:BLADE UNIT, C-2131-3	3	Prop	
SPINNER	C-3567-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3567-9	SPINNER ASSEMBLY, "CNC"	1	Prop	Eligible with anti-ice only
SPINNER	C-3567-9P	SPINNER ASSEMBLY, "CNC"	1	Prop	Eligible with anti-ice only
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	C-2131-3	BOOT, ANTI-ICING	1	Blade	
DE-ICE KIT_PR	103313	ANTI-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7167-2 hub only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7167-12 hub only

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HAWKER BEECHCRAFT

Model: 95-C55, D55, E55
Trade Name: Baron
Aircraft T.C./STC: SA3845SW
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7391D
Prop Diameter: 75" to 73.5"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.8 +/- 0.2

IDS No.: 3113 **Rev.:** **Date:** 11/3/2011
Modifier: D'Shannon
Engine: IO-520-C, -CB
Power: 285 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +/- 1.0
Feather/High Angle: 80.0 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00161	PHC-C3YF-2UF/FC7391D/SM9	2	A/C	
PROPELLER	C3F00161KD	PHC-C3YF-2UF/FC7391D/SM9	2	A/C	
BLADE	FC7391D	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	C-3567-1	SPINNER ASSEMBLY, "CNC"	1	Prop	Unpolished spinner suitable for paint
SPINNER	C-3567-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	Polished spinner
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7167-2 hub only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7167-12 hub only

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HAWKER BEECHCRAFT

Model: 200, B200
Trade Name: Raisbeck King Air
Aircraft T.C./STC: SA2698NM-S
Propeller Model: HC-D4N-3A
Propeller T.C.: P10NE

IDS No.: 3203 **Rev.:** 3 **Date:** 8/16/2013
Modifier: Raisbeck
Engine: PT6A-41,42
Power: 850 HP @ 2000 RPM
Placard/Restr: Stabilized ground operation is prohibited between 400 and 1150 RPM. The propeller may be operated when feathered at or below 400 RPM

Blade Model(s): D9515K
D9515K*1
D9515K*2

Prop Diameter: 96"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.3 +/-0.5
Low Pitch Angle: 18.3 +/-0.1

Notes:

Startlock Angle: n/a
Feather/High Angle: 82.4 +/-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	D4N00136	HC-D4N-3A/D9515K/BULKHEAD	2	A/C	Fully assembled prop including spinner bulkhead, no spinner dome, no dome screws/washers
PROPELLER	D4N00136KD	HC-D4N-3A/D9515K/BULKHEAD	2	A/C	Prop, dis-assembled for shipping, includes spinner bulkhead, no spinner dome or dome screws/washers
PROPELLER	D4N00136S	HC-D4N-3A/D9515K/D-630-7P	2	A/C	Assembled prop with spinner (spinner packed separately)
PROPELLER	D4N00136SKD	HC-D4N-3A/D9515K/D-630-7P	2	A/C	Prop with spinner, dis-assembled for shipping
PROPELLER	D4N00137	HC-D4N-3A/D9515K[*1]/BULKHEAD	2	A/C	Fully assembled prop including spinner bulkhead, no spinner dome, no dome screws/washers
PROPELLER	D4N00137KD	HC-D4N-3A/D9515K[*1]/BULKHEAD	2	A/C	Prop, dis-assembled for shipping, includes spinner bulkhead, no spinner dome or dome screws/washers
PROPELLER	D4N00137S	HC-D4N-3A/D9515K[*1]/D-630-7P	2	A/C	Assembled prop with spinner (spinner packed separately)
PROPELLER	D4N00137SKD	HC-D4N-3A/D9515K[*1]/D-630-7P	2	A/C	Prop with spinner, dis-assembled for shipping
PROPELLER	D4N00138	HC-D4N-3A/D9515K[*2]/BULKHEAD	2	A/C	Fully assembled prop including spinner bulkhead, no spinner dome, no dome screws/washers
PROPELLER	D4N00138KD	HC-D4N-3A/D9515K[*2]/BULKHEAD	2	A/C	Prop, dis-assembled for shipping, includes spinner bulkhead, no spinner dome or dome screws/washers
PROPELLER	D4N00138S	HC-D4N-3A/D9515K[*2]/D-630-7P	2	A/C	Assembled prop with spinner (spinner packed separately)
PROPELLER	D4N00138SKD	HC-D4N-3A/D9515K[*2]/D-630-7P	2	A/C	Prop with spinner, dis-assembled for shipping
BLADE	D9515K	PCP:BLADE UNIT, ALUM [6,26,11]	4	Prop	Blade, silver camber/black face. Tip with black camber/silver face
BLADE	D9515K*1	PCP:BLADE UNIT, ALUM [6,18,11]	4	Prop	Blade, silver camber/black face. Tip with black/base/black on camber only
BLADE	D9515K*2	PCP:BLADE UNIT, ALUM [1,1,11]	4	Prop	Blade, gray camber/black face. Tip with white/base/white on camber only.
SPINNER	D-630-7P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
SP_MT_KIT_DE-ICE	B-3384-2H	BOLT, 1/4-28, HEX HEAD	8	Prop	

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COUNTERWEIGHT	C-472-2	PCP:COUNTERWEIGHT	1	Blade	Included in propeller assembly
DE-ICER	104729	DE-ICE BOOT	1	Blade	Included with blade
DE-ICE KIT_PR	104779	DE-ICE KIT (ONE PROP)	1	Prop	Included in propeller assembly
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	Included in propeller assembly
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	Included in propeller assembly (shipped in separate bag)

HELIO

Model: H-391
Trade Name: COURIER
Aircraft T.C./STC: 1A8
Propeller Model: HC-12X20-8, HC-D2X20-8, HC-12X20-8C
Propeller T.C.: P48GL
Blade Model(s): 9333C
Prop Diameter: 93" TO 91"

IDS No.: 2198 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GO-435-C2
Power: 260 HP @ 2182 RPM
Placard/Restr:

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.25 +0.2

Startlock Angle: NA
Feather/High Angle: 29.25 +0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	9333C	BLADE	2	Prop	
SPINNER	D-164	IDS Item	1	Prop	Obsolete
GOVERNOR	B1	IDS Item	1	A/C	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3-()	1	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

HELIO

Model: H-391
Trade Name: COURIER
Aircraft T.C./STC: 1A8
Propeller Model: HC-12V20-8, HC-D2V20-8
Propeller T.C.: P48GL
Blade Model(s): V9333C
V9333N
Prop Diameter: 93" TO 91"

IDS No.: 2199 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GO-435-C2
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.25 +0.2

Startlock Angle: NA
Feather/High Angle: 29.25 +0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V9333C	BLADE	2	Prop	
BLADE	V9333N	BLADE	2	Prop	
SPINNER	D-164	IDS Item	1	Prop	Obsolete
GOVERNOR	B1	IDS Item	1	A/C	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3-()	1	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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HELIO

Model: H-391
Trade Name: COURIER
Aircraft T.C./STC: 1A8
Propeller Model: HC-D2MV20-8
Propeller T.C.: P48GL
Blade Model(s): MV9333N
Prop Diameter: 93" TO 91"

IDS No.: 582 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: GO-435-C2
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.25 +-0.2

Startlock Angle: NA
Feather/High Angle: 29.25 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	D2210035	HC-D2MV20-8/MV9333N/93-CG	1	A/C	
BLADE	MV9333N	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	D-164	IDS Item	1	Prop	Obsolete
GOVERNOR	B1	IDS Item	1	A/C	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3-()	1	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

HELIO

Model: H-391B
Trade Name: COURIER
Aircraft T.C./STC: 1A8
Propeller Model: HC-82X20-1A, HC-A2X20-1A, HC-82X20-1B
Propeller T.C.: P24EA
Blade Model(s):
Prop Diameter: 101" TO 95"

IDS No.: 2200 **Rev.:** **Date:**
Modifier:
Engine: GO-435-C2B, -C2B2, -C2B2-6
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 31.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
SPINNER	835-15	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B1	IDS Item	1	A/C	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3-()	1	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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HELIO

Model: H-391B
Trade Name: COURIER
Aircraft T.C./STC: 1A8
Propeller Model: HC-A2MV20-1A
Propeller T.C.: P24EA
Blade Model(s): MV10133N
Prop Diameter: 101" TO 95"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 583 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: GO-435-C2B, -C2B2, -C2B2-6
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +/-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A2210099	HC-A2MV20-1A/MV10133N	1	A/C	
BLADE	MV10133N	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-15	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B1	IDS Item	1	A/C	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3()	1	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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HELIO

Model: H-395 (L-28A, U-10B)
Trade Name: COURIER
Aircraft T.C./STC: 1A8
Propeller Model: HC-93Z20-1, -1B1
Propeller T.C.: P-891
Blade Model(s): 10151C
 10151C-5
 10151CN
 10151CN-5
Prop Diameter: 101" TO 95"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.2

IDS No.: 584 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: GO-480-G1D6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.8 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	10151C	IDS Item	3	Prop	
BLADE	10151C-5	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151CN	IDS Item	3	Prop	
BLADE	10151CN-5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-15R	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3-()	1	A/C	
GOVERNOR	B3-1	GOVERNOR ASSEMBLY, B-3-()	1	A/C	
GOVERNOR	F6-37	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

HELIO

Model: H-395A
Trade Name: COURIER
Aircraft T.C./STC: 1A8
Propeller Model: HC-82X20-1A, HC-A2X20-1A, HC-A2X20-1B
Propeller T.C.: P24EA
Blade Model(s):
Prop Diameter: 101" TO 95"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 2201 **Rev.:** **Date:**
Modifier:
Engine: GO-435-C2B2-6
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
SPINNER	835-15	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B1	IDS Item	1	A/C	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3-()	1	A/C	

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HELIO

Model: H-395A
Trade Name: COURIER
Aircraft T.C./STC: 1A8
Propeller Model: HC-A2MV20-1A
Propeller T.C.: P24EA
Blade Model(s): MV10133N
Prop Diameter: 101" TO 95"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 585 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: GO-435-C2B2-6
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV10133N	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-15	SPINNER ASSEMBLY	2	Prop	
GOVERNOR	B1	IDS Item	1	A/C	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3(-)	1	A/C	

HELIO

Model: HST-550
Trade Name: STALLION
Aircraft T.C./STC: A4EA
Propeller Model: HC-B3TN-3C
Propeller T.C.: P15EA
Blade Model(s): T10173C
T10173CN
Prop Diameter: 101.5" TO 98.8"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -17.0 +-0.5
Low Pitch Angle: 16.0 +-0.2

IDS No.: 590 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: PT6A-6A
Power: 550 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 78.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173C	BLADE	3	Prop	
BLADE	T10173CN	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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HELIO

Model: HST-550A (AU-24A)
Trade Name: STALLION
Aircraft T.C./STC: A4EA
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10178C
T10178CN

Prop Diameter: 101.5" TO 98.8"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -12.0 +-1.0
Low Pitch Angle: 14.0 +-1.0

IDS No.: 591 **Rev.:** 2 **Date:** 6/4/2013
Modifier:
Engine: PT6A-27
Power: 680 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10178C	BLADE	3	Prop	
BLADE	T10178CN	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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HELIO

Model: H-250
Trade Name: COURIER
Aircraft T.C./STC: 1A8
Propeller Model: HC-92WK-1D
Propeller T.C.: P16EA
Blade Model(s): W8847
W8847N
Prop Diameter: 88" TO 86"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 579 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: O-540-A1A5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	W8847	PCP:BLADE UNIT, ALUMINUM	2	Prop	REPLACED BY W8847N
BLADE	W8847N	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	C-2513-3	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-8	IDS Item	1	A/C	
GOVERNOR	F6-8L	IDS Item	1	A/C	#2521 & up
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	4	Prop	PRIMARY
MTG BOLT/STUD	A-1333-2	IDS Item	2	Prop	PRIMARY
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	SECONDARY
MTG BOLT/STUD	A-1333-6	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	SECONDARY

HELIO

Model: H-295, HT-295 (U-10D)
Trade Name: COURIER
Aircraft T.C./STC: 1A8
Propeller Model: HC-B3Z20-1
Propeller T.C.: P-907
Blade Model(s): 10151C-5
10151CN-5
Prop Diameter: 96.0" TO 95.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.2

IDS No.: 581 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: GO-480-G1D6,G1A6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.8 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3200102	HC-B3Z20-1/10151C-5	1	A/C	
PROPELLER	B3210102	HC-B3Z20-1/10151CN-5	1	A/C	
BLADE	10151C-5	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151CN-5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-15R	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3-()	1	A/C	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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HELIO

Model: H-500
Trade Name: TWIN COURIER
Aircraft T.C./STC: A2EA
Propeller Model: HC-92ZK-2B
Propeller T.C.: P892
Blade Model(s): 8447
 8447N

Prop Diameter: 84" TO 82"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.4 +-0.2

IDS No.: 586 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: O-540-A2B
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.7 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8447	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447N	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	TC
GOVERNOR	B3-2	IDS Item	1	A/C	
GOVERNOR	B4-7	IDS Item	1	A/C	
GOVERNOR	F6-6	IDS Item	1	A/C	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	

HELIO

Model: H-700
Trade Name: COURIER
Aircraft T.C./STC: 1A8
Propeller Model: HC-E3YR-1RF
Propeller T.C.:
Blade Model(s): F9587A-10
Prop Diameter: 87"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.7 +-0.2

IDS No.: 587 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: TIO-540-J2B
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F9587A-10	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	TC
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	Hz
GOVERNOR	F4-13	GOVERNOR ASSEMBLY, F-4()	1	A/C	Supersedes F4-30
GOVERNOR	F4-30	IDS Item	1	A/C	Superseded by F4-13
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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HELIO

Model: H-800
Trade Name: COURIER
Aircraft T.C./STC: 1A8
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8475R
Prop Diameter: 86"

IDS No.: 589 **Rev.:** 1 **Date:** 2/11/2013
Modifier:
Engine: IO-720-A1B
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.2

Startlock Angle: NA
Feather/High Angle: 30.8 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00088	HC-C3YR-1RF/F8475R/SM7	1	A/C	
PROPELLER	C3R00088KD	HC-C3YR-1RF/F8475R/SM7	1	A/C	
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-3A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

HINDUSTAN

Model: HPT 32
Trade Name: TRAINER
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YR-4CF
Propeller T.C.: P-920
Blade Model(s): FC8477-4R
Prop Diameter: 80"

IDS No.: 594 **Rev.:** **Date:** 11/29/2010
Modifier:
Engine: AEIO-540-D4B5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00243	HC-C2YR-4CF/FC8477-4R/SM8	1	A/C	
BLADE	FC8477-4R	PCP:BLADE UNIT, B-3202H-8	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-60P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-8	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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HOME BUILT

Model: BARACUDA
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-E3YR-1RF
Propeller T.C.:
Blade Model(s): F7663-2Q
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.1 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 598 **Rev.:** **Date:** 3/11/2003
Modifier:
Engine: IO-540-T4B5D
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-2.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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ICA (ROMANIA)

Model: IAR-823

Trade Name:

Aircraft T.C./STC: Unknown

Propeller Model: HC-92WK-1D

Propeller T.C.: P16EA

Blade Model(s): W9350C-4.6

W9350CN-4.6

Prop Diameter: 88

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle: 12.5 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2740

Rev.: 1

Date: 1/10/2011

Modifier:

Engine: IO-540-G1D5

Power: 290 HP @ 2575 RPM

Placard/Restr: Do not exceed 23" Hg manifold pressure below 2350 RPM.

Notes:

Startlock Angle:

Feather/High Angle: 28.5 +/-1.0

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	92K10041	HC-92WK-1D/W9350CN-4.6			
BLADE	W9350C-4.6	PCP:BLADE UNIT, ALUMINUM	2	Prop	Inactive for new production
BLADE	W9350CN-4.6	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	A/C	
SPINNER	835-30P	SPINNER ASSEMBLY	1	A/C	
GOVERNOR	F-6-6A	IDS ITEM	1	A/C	For Narrow Deck Engine Only
CWT_SLUG	A-29-2	SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	A-1333-6	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	

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ILYUSHIN

Model: IL-103
Trade Name:
Aircraft T.C./STC: A45CE
Propeller Model: BHC-C2YF-1BF
Propeller T.C.: P-920

Blade Model(s): F8459A-8R
F8459A-8R*1
Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1291 **Rev.:** **Date:** 10/3/2005
Modifier:
Engine: IO-360-ES
Power: 210 HP @ 2800 RPM
Placard/Restr: Avoid continuous ground operation between 1700 and 2100 RPM in cross and tail winds of over 10 knots.

Notes:

Startlock Angle: NA
Feather/High Angle: 30.5 +/-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00052	BHC-C2YF-1BF/F8459A-8R/SM4	1	A/C	
PROPELLER	C2F00060	BHC-C2YF-1BF/F8459A-8R[*1]/SM4	1	A/C	
BLADE	F8459A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F8459A-8R*1	PCP:BLADE UNIT, ALUM [1,12,4]	2	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E6-2	GOVERNOR ASSEMBLY, E-6-()	1	A/C	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

INTERCEPTOR

Model: see PROP JETS INC.
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 601 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

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INTERSTATE AIRCRAFT

Model: S-1B2
Trade Name: ARCTIC TERN
Aircraft T.C./STC: A-754
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F8468A-4R
Prop Diameter: 80" TO 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.7 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1759 **Rev.:** **Date:** 4/14/2004
Modifier:
Engine: 0-320-B3B
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 22.5 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00058	HC-C2YL-1BF/F8468A-4R/SM4	1	A/C	
BLADE	F8468A-4R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-4203-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

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ISRAEL AIRCRAFT INDUSTRIES

Model: 101, 101B
Trade Name: ARAVA
Aircraft T.C./STC: A32EU
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282NR
 T10282NRB
 T10282R
 T10282RB

IDS No.: 602 **Rev.:** 2 **Date:** 6/4/2013
Modifier:
Engine: PT6A-27, -36
Power: 750 HP @ 2200 RPM
Placard/Restr:
Notes: Engine Ratings Note: PT6A-27 (680hp)

Prop Diameter: 102.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 19.3 +-0.1

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: -1.0 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10541	HC-B3TN-3D/T10282NRB/BULK/DEI	2	A/C	
BLADE	T10282NR	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282NRB	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282R	BLADE	3	Prop	
BLADE	T10282RB	BLADE, 4E1188-5 BOOT	3	Prop	
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	24	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-035-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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JOBMASTER

Model: DGA-15P
Trade Name:
Aircraft T.C./STC: STC-SA3-716
Propeller Model: HC-B3Z30-2E
Propeller T.C.:
Blade Model(s): 10152-5.5
10152N-5.5
Prop Diameter: 96"

Prop Setup:
Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 603 **Rev.:** **Date:** 10/2/1992
Modifier: MAXWELL AIRCRAFT
Engine: R985-AN-6
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10152-5.5	BLADE	3	Prop	
BLADE	10152N-5.5	BLADE	3	Prop	
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	

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KING'S ENGINEERING FELLOWSHIP

Model: 44
Trade Name: ANGEL
Aircraft T.C./STC: A2WI
Propeller Model: HC-E3YR-2ALTF
Propeller T.C.: P33EA
Blade Model(s): FLC7468
FLC7468*1
Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.2

Non-HPI Items:

Non-HPI Spinner: KING'S

IDS No.: 605 **Rev.:** **Date:** 3/2/2001

Modifier:
Engine: IO-540-M1A5, -M1C5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Install hub bolts with heads toward flange.

Startlock Angle: 18.7 +-1.5
Feather/High Angle: 84.5 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00155	HC-E3YR-2ALTF/FLC7468[*1]	2	A/C	
BLADE	FLC7468	PCP:BLADE UNIT, ALUM [2,2,1]	3	Prop	
BLADE	FLC7468*1	PCP:BLADE UNIT, ALUM [2,3,1]	3	Prop	
GOVERNOR	V1-4	GOVERNOR ASSEMBLY, V-(1,2)-()	2	A/C	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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KOREA AEROSPACE INDUSTRIES LTD

Model: KT-1C
Trade Name: WOONGBEE
Aircraft T.C./STC: Unknown
Propeller Model: HC-E4N-2C
Propeller T.C.: P10NE

IDS No.: 2022 **Rev.:** 4 **Date:** 4/12/2013

Modifier:
Engine: PT6A-62
Power: 950 HP @ 2000 RPM
Placard/Restr: "Stabilized ground operation is prohibited between 1300 and 1650 RPM. Intentional power on spins, tail slides, stall turns, and Dutch rolls are prohibited."

Blade Model(s): E9512CB-1
 E9512CB-1*1

Notes: Reference Manual 149 for Airworthiness Limitations.

Prop Diameter: 95"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00013	HC-E4N-2C/E9512CB-1/BULK/DEICE	1	A/C	With Bulkhead and De-ice
PROPELLER	E4N00013S	HC-E4N-2C/E9512CB-1/D-630-1	1	A/C	
PROPELLER	E4N00014S	HC-E4N-2C/E9512CB-1[*1]/D630-1	1	A/C	
PROPELLER	E4N00015	HC-E4N-2C/E9512CB-1	1	A/C	
PROPELLER	E4N00015S	HC-E4N-2C/E9512CB-1/D-630-1P	1	A/C	
PROPELLER	E4N00016	HC-E4N-2C/E9512CB-1[*1]	1	A/C	
PROPELLER	E4N00016S	HC-E4N-2C/E9512CB-1[*1]/D630-1P	1	A/C	
BLADE	E9512CB-1	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
BLADE	E9512CB-1*1	PCP:BLADE UNIT, ALUM [1,6,1]	4	Prop	
SPINNER	D-630-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SP_MT_KIT_DE-ICE	B-3384-9H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SP_MT_KIT_DE-ICE	B-3851-0432	WASHER	8	Prop	
COUNTERWEIGHT	C-472-10	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-1745	WASHER, 3/8 "	3	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
DE-ICER	102878	DE-ICE BOOT	1	Blade	Superceedes 4H1601-10 & 7931-4E1601-10
DE-ICE KIT_PR	7931-67-870-4	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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KOREA AEROSPACE INDUSTRIES LTD

Model: KT-1P (Peruvian Air Force)
Trade Name: Woongbee
Aircraft T.C./STC: TC-09-001 (Korea)
Propeller Model: HC-E4N-2D
Propeller T.C.: P10NE

IDS No.: 3226 **Rev.:** 2 **Date:** 4/12/2013

Modifier:
Engine: PT6A-62
Power: 950 HP @ 2000 RPM

Placard/Restr: 1. Stabilized ground operation is prohibited between 1300 and 1650 RPM. 2. Intentional power-on spins, inverted left spins, tail slides and dutch rolls are prohibited. 3. Ground idle throttle position must be used for all erect spin maneuvers and flight idle throttle position for inverted right spins. 4. Intentional aerobatic maneuvers are prohibited when aircraft weight is above 6100 lbs. 5. Propeller blades are life limited and must be retired a

Blade Model(s): E9512GB-1*3
Prop Diameter: 95"-94"

Prop Setup:

Ref. Radius: 30
Reverse Angle: N/A
Low Pitch Angle: 12.0 +/-0.1

Notes:

Startlock Angle: N/A
Feather/High Angle: 87.0 +/-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N11100S	HC-E4N-2D/E9512GB-1*3/D-630-1P	1	A/C	
PROPELLER	E4N11101S	HC-E4N-2D/E9512GB-1*3/D-630-1	1	A/C	
BLADE	E9512GB-1*3	PCP:BLADE UNIT, ALUM [1,6,4]	4	Prop	Yellow Tips
SPINNER	D-630-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SP_MT_KIT_DE-ICE	B-3384-9H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SP_MT_KIT_DE-ICE	B-3851-0432	WASHER	8	Prop	
COUNTERWEIGHT	C-472-10	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-1745	WASHER, 3/8 "	3	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
DE-ICER	102878	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	7931-67-870-4	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	used with pulley/de-ice instead of the B-3384-9H included in de-ice kit

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KOREA AEROSPACE INDUSTRIES LTD

Model: KT-1T (Turkish Air Force)

Trade Name:

Aircraft T.C./STC: TC-09-001 (Korea)

Propeller Model: HC-E4N-2C

Propeller T.C.: P10NE

Blade Model(s): E9512CB-1*2

Prop Diameter: 95"

Prop Setup:

Ref. Radius: 30

Reverse Angle: NA

Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2795

Rev.: 2

Date: 4/12/2013

Modifier:

Engine: PT6A-62

Power: 950 HP @ 2000 RPM

Placard/Restr: "Stabilized ground operation is prohibited between 1300 and 1650 RPM. Intentional power on spins, tail slides, stall turns, and Dutch Rolls are prohibited."

Notes: Reference Manual 149 for Airworthiness Limitations.

Startlock Angle: NA

Feather/High Angle: 87.0 +-0.5

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00019S	HC-E4N-2C/E9512CB-1*2/630-1P	1	A/C	
BLADE	E9512CB-1*2	PCP:BLADE UNIT, ALUM [1,23,4]	4	Prop	Photo luminescent tip stripes
SPINNER	D-630-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SP_MT_KIT_DE-ICE	B-3384-9H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SP_MT_KIT_DE-ICE	B-3851-0432	WASHER	8	Prop	
COUNTERWEIGHT	C-472-10	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-1745	WASHER, 3/8 "	3	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
DE-ICER	102878	DE-ICE BOOT	1	Blade	Supercedes 4H1601-10 & 7931-4E1601-10
DE-ICE KIT_PR	7931-67-870-4	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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KOREA AEROSPACE INDUSTRIES LTD

Model: KT-1
Trade Name: WOONGBEE
Aircraft T.C./STC: Unknown
Propeller Model: HC-E4N-2
Propeller T.C.: P10NE

IDS No.: 1407 **Rev.:** 4 **Date:** 4/12/2013

Modifier:
Engine: PT6A-62
Power: 950 HP @ 2000 RPM
Placard/Restr: "Stabilized ground operation is prohibited between 1300 and 1650 RPM. Intentional power on spins, tail slides, stall turns, and dutch rolls are prohibited."

Blade Model(s): E9512CB-1
 E9512CB-1*1

Notes: Reference Manual 149 for Airworthiness Limitations.

Prop Diameter: 95"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +- 0.1

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00001	HC-E4N-2/E9512CB-1	1	A/C	Without De-Ice Kit
PROPELLER	E4N00001KD	HC-E4N-2/E9512CB-1	1	A/C	Without De-Ice Kit
PROPELLER	E4N00001S	HC-E4N-2/E9512CB-1/D-630-1P	1	A/C	Without De-Ice Kit
PROPELLER	E4N00002S	HC-E4N-2/E9512CB-1/D-630-1P	1	A/C	Contains 67-870-1 De-Ice Kit
PROPELLER	E4N00002SKD	HC-E4N-2/E9512CB-1/D-630-1P	1	A/C	Contains 67-870-1 De-Ice Kit
PROPELLER	E4N00003	HC-E4N-2/E9512CB-1/BULK/DEICE	1	A/C	With Bulkhead and De-ice kit
PROPELLER	E4N00003S	HC-E4N-2/E9512CB-1/D-630-1	1	A/C	Contains 67-870-1 De-Ice Kit
PROPELLER	E4N00005	HC-E4N-2/E9512CB-1[*1]	1	A/C	Without De-Ice Kit
PROPELLER	E4N00005KD	HC-E4N-2/E9512CB-1[*1]	1	A/C	Without De-Ice Kit
PROPELLER	E4N00005S	HC-E4N-2/E9512CB-1[*1]/D630-1P	1	A/C	Without De-Ice Kit
PROPELLER	E4N00007S	HC-E4N-2/E9512CB-1[*1]/D630-1P	1	A/C	Contains 67-870-1 De-Ice Kit
PROPELLER	E4N00007SKD	HC-E4N-2/E9512CB-1[*1]/D630-1P	1	A/C	Contains 67-870-1 De-Ice Kit
PROPELLER	E4N00009S	HC-E4N-2/E9512CB-1[*1]/D-630-1	1	A/C	Contains 67-870-1 De-Ice Kit
BLADE	E9512CB-1	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
BLADE	E9512CB-1*1	PCP:BLADE UNIT, ALUM [1,6,1]	4	Prop	
SPINNER	D-630-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-10	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-1745	WASHER, 3/8 "	3	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
DE-ICER	102878	DE-ICE BOOT	1	Blade	Superceedes 4H1601-10 & 7931-4E1601-10
DE-ICE KIT_PR	7931-67-870-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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KOREAN AIR AIRCRAFT

Model: CHK91-A1
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F7666A-2
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 606 Rev.: Date: 10/2/1992

Modifier:
Engine: IO-360-A1B6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

KWAD

Model: SUPER-V
Trade Name: SUPER-V
Aircraft T.C./STC: A5IN, 4A29
Propeller Model: HC-92ZK-2B
Propeller T.C.: P892
Blade Model(s): 8447-12A
 8447N-12A
Prop Diameter: 71.6" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.3 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8447-12A	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447N-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6	IDS Item	1	Prop	Superceded by 835-30
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT, MOUNTING, 1/2-20, HEX HEAD	2	Prop	

IDS No.: 607 Rev.: 1 Date: 1/7/2011

Modifier:
Engine: O-360-A1D, -A1A, -A1C
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 24.7 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

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LAKE (REVO)

Model: LA-4
Trade Name: AMPHIBIAN
Aircraft T.C./STC: 1A13
Propeller Model: HC-92WK-8L
Propeller T.C.: P16EA
Blade Model(s): L8447-12A
L8447N-12A
LW8447-12A
LW8447N-12A
Prop Diameter: 72" TO 70.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.2

IDS No.: 608 **Rev.:** **Date:** 7/26/2004

Modifier:
Engine: O-360-A1A, -A1D
Power: 180 HP @ 2700 RPM
Placard/Restr:

Notes: Aircraft also approved with HC-92ZK-8L/L8447-12A. TC doesn't specify angular tolerance. Minimum HP angle corresponds to TC.

Startlock Angle: NA
Feather/High Angle: 25.4 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	L8447-12A	IDS Item	2	Prop	
BLADE	L8447N-12A	IDS Item	2	Prop	
BLADE	LW8447-12A	BLADE UNIT, ALUMINUM	2	Prop	REPLACED BY LW8447N-12A
BLADE	LW8447N-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F2-3	IDS Item	1	A/C	
GOVERNOR	F2-6A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	A-1333-6	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	

LAKE (REVO)

Model: LA-4-200
Trade Name: BUCANEER
Aircraft T.C./STC: 1A13
Propeller Model: HC-C2YK-1BL(F)
Propeller T.C.: P-920

Blade Model(s): FL7666A-2
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

IDS No.: 609 **Rev.:** **Date:** 12/2/2006

Modifier:
Engine: IO-360-A1B
Power: 200 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2350 RPM.

Notes: Pusher application without spinner or SMK

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: NONE

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00210	HC-C2YK-1BLF/FL7666A-2	1	A/C	
BLADE	FL7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F2-6A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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LAKE (REVO)

Model: LA-4-200
Trade Name: BUCANEER
Aircraft T.C./STC: STC-SA4NE
Propeller Model: HC-E2YR-1BLF
Propeller T.C.: P9EA

Blade Model(s): FL7666A-2
Prop Diameter: 74" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E2R00065	HC-E2YR-1BLF/FL7666A-2/SM19	1	A/C	
BLADE	FL7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-50L	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-50LP	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F2-6A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 612 **Rev.:** **Date:** 3/16/2006

Modifier: AEROFAB INC
Engine: IO-360-A1B6
Power: 200 HP @ 2700 RPM
Placard/Restr: Do not exceed 24 inches manifold pressure below 2450 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Governor:

LAKE (REVO)

Model: LA-4-200
Trade Name: BUCANEER
Aircraft T.C./STC: STC-SA7NE
Propeller Model: HC-C3YR-1RLF
Propeller T.C.: P25EA
Blade Model(s): FL7663-8R
Prop Diameter: 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00153	HC-C3YR-1RLF/FL7663-8R	1	A/C	
BLADE	FL7663-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
GOVERNOR	F2	IDS Item	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 614 **Rev.:** **Date:** 10/2/1992

Modifier: AEROFAB INC
Engine: IO-360-A1B6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.6 +-1.0
Cwt Angle:

Non-HPI Governor:

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LAKE (REVO)

Model: LA-4-200
Trade Name: BUCANEER
Aircraft T.C./STC: STC-SA360GL
Propeller Model: HC-C2YK-1BLF
Propeller T.C.: P-920

Blade Model(s): FL7666A-4Q
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00220	HC-C2YK-1BLF/FL7666A-4Q	1	A/C	
BLADE	FL7666A-4Q	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 611 **Rev.:** **Date:** 3/15/2006

Modifier: ROBERT W HALDI
Engine: IO-360-(A,C)1(A,B,C),D1A
Power: 200 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2350 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Governor:

LAKE (REVO)

Model: LA-4-200
Trade Name: BUCANEER
Aircraft T.C./STC: STC-SA631CE
Propeller Model: HC-C2YK-1BL(F)
Propeller T.C.: P-920
Blade Model(s): FL7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FL7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 613 **Rev.:** **Date:** 10/2/1992

Modifier: LAKE 4 SALES CORP.
Engine: IO-360-A1A
Power: 200 HP @ 2700 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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LAKE (REVO)

Model: LA-4 S/N 345
Trade Name: Amphibian
Aircraft T.C./STC: SA2203SE
Propeller Model: HC-C2YK-1BLF
Propeller T.C.: P-920
Blade Model(s): FL7666A-4Q
Prop Diameter: 74" to 72"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 14.0 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00220	HC-C2YK-1BLF/FL7666A-4Q	1	A/C	
BLADE	FL7666A-4Q	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 3142 **Rev.:** **Date:** 1/31/2012

Modifier: Edward F. Forner
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Avoid continuous operation between 2,000 and 2,250 RPM

Startlock Angle:
Feather/High Angle: 29.0 +/- 1.0
Cwt Angle:

Non-HPI Governor:

LAKE (REVO)

Model: 250
Trade Name: RENEGADE
Aircraft T.C./STC: 1A13
Propeller Model: HC-E3YR-1RLF
Propeller T.C.: P33EA
Blade Model(s): FL7663D-2Q
Prop Diameter: 76" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +/- 0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E3R00001	HC-E3YR-1RLF/FL7663D-2Q/SM7	1	A/C	
BLADE	FL7663D-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-5495-L	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5495LP	IDS Item	1	Prop	
GOVERNOR	F2-6A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
GOVERNOR	F2-6AZ	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
GOVERNOR	V3-3	GOVERNOR ASSEMBLY, V-3-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 616 **Rev.:** **Date:** 10/2/1997

Modifier:
Engine: IO-540-C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes: 10/2/97 revision removed the 36.6 deg. high blade angle option and created IDS #1441

Startlock Angle: NA
Feather/High Angle: 26.0 +/- 1.0
Cwt Angle:

Non-HPI Governor:

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LAKE (REVO)

Model: 250
Trade Name: RENEGADE
Aircraft T.C./STC: 1A13
Propeller Model: HC-E3YR-1RLF
Propeller T.C.: P33EA
Blade Model(s): FL7663D-2Q
Prop Diameter: 76" NO CUT OFF

IDS No.: 1441 **Rev.:** **Date:** 10/2/1997
Modifier:
Engine: IO-540-C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes: 10/2/96 revision created IDS # 1441 by removing 36.6 deg. high blade angle from IDS # 616

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +-0.1

Startlock Angle: NA
Feather/High Angle: 36.6 +- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00018	HC-E3YR-1RLF/FL7663D-2Q/SM7	1	A/C	
BLADE	FL7663D-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-5495-L	SPINNER ASSEMBLY	1	A/C	
SPINNER	D-5495LP	IDS Item	1	A/C	
GOVERNOR	F2-6A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
GOVERNOR	F2-6AZ	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
GOVERNOR	V3-3	GOVERNOR ASSEMBLY, V-3-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

LAKE (REVO)

Model: 250
Trade Name: TURBO RENEGADE
Aircraft T.C./STC: SA469NE
Propeller Model: HC-E3YR-1RLF
Propeller T.C.: P33EA
Blade Model(s): FL7663D-2Q
Prop Diameter: 76" NO CUT OFF

IDS No.: 1782 **Rev.:** **Date:** 11/10/2000
Modifier: REVO, INC.
Engine: TIO-540-AA1AD
Power: 270 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

Startlock Angle: NA
Feather/High Angle: 36.6 +- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00002	HC-E3YR-1RLF/FL7663D-2Q/SM7	1	A/C	
BLADE	FL7663D-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-5495-L	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5495LP	IDS Item	1	Prop	
GOVERNOR	F2-6A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
GOVERNOR	F2-6AZ	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
GOVERNOR	V3-3	GOVERNOR ASSEMBLY, V-3-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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LANCAIR

Model: LANCAIR IV
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: PHC-H3YF-1RF
Propeller T.C.: P35EA
Blade Model(s): F7490
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +0.1

IDS No.: 1293 **Rev.:** **Date:** 1/13/1995

Modifier:
Engine: IO-550-G
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 40.0 MIN
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	H3F00006	PHC-H3YF-1RF/F7490/SM29	1	A/C	
BLADE	F7490	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-6841-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E6	GOVERNOR ASSEMBLY, E-6-()	1	A/C	
SPIN MTG KIT	A-2476-29	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

LANCAIR

Model: LANCAIR IV
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-H3YF-2UF
Propeller T.C.: P35EA
Blade Model(s): FC7693DF
 FC7693DF*3
Prop Diameter: 78" TO 75"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +0.2

IDS No.: 1841 **Rev.:** **Date:** 7/17/2007

Modifier:
Engine: TSIO-550-B
Power: 350 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.0 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	H3F00100	HC-H3YF-2UF/FC7693DF/SM17	1	A/C	
PROPELLER	H3F00100KD	HC-H3YF-2UF/FC7693DF/SM17	1	A/C	
PROPELLER	H3F00101	HC-H3YF-2UF/FC7693DF[*3]/SM17			
BLADE	FC7693DF	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	FC7693DF*3	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	D-3273-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3273-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-17	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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LANCAIR

Model: LANCAIR IV
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: PHC-H3YF-4BF
Propeller T.C.: P35EA

Blade Model(s): FC7490
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.6 +/-0.1

Non-HPI Items:

Non-HPI Spinner: TBD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	H3F00201	PHC-H3YF-4BF/FC7490/SM29	1	A/C	
BLADE	FC7490	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPIN MTG KIT	A-2476-29	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1769 **Rev.:** **Date:** 9/22/2000

Modifier:
Engine: TSIO-550-B
Power: 350 HP @ 2700 RPM
Placard/Restr: Do not operate above 30 inches manifold pressure below 2500 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 44.0 MIN
Cwt Angle:

Non-HPI Governor:

LANCAIR

Model: LANCAIR IV
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-H3YF-1RF
Propeller T.C.: P35EA
Blade Model(s): F7693DF
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	H3F00310	HC-H3YF-1RF/F7693DF/SM29	1	A/C	
PROPELLER	H3F00310KD	HC-H3YF-1RF/F7693DF/SM29	1	A/C	
BLADE	F7693DF	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-6446-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-6446-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-29	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1883 **Rev.:** **Date:** 4/22/2010

Modifier:
Engine: TSIO-550-B,-E
Power: 350 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 43.0 +/-1.0
Cwt Angle:

Non-HPI Governor:

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LANCAIR

Model: LANCAIR IV
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: PHC-H3YF-1RF
Propeller T.C.: P35EA

Blade Model(s): F7490
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.6 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	H3F00005	PHC-H3YF-1RF/F7490/SM29	1	A/C	
BLADE	F7490	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPIN MTG KIT	A-2476-29	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1158 **Rev.:** **Date:** 5/15/2012

Modifier:
Engine: TSIO-550-B
Power: 350 HP @ 2700 RPM
Placard/Restr: Do not operate above 30 inches manifold pressure below 2500 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 44.0 MIN
Cwt Angle:

Non-HPI Governor:

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LANCAIR

Model: LANCAIR IV
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-B3TN-3ACX
Propeller T.C.:
Blade Model(s): T8290NKX
T8290NX
Prop Diameter: 82

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2605 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: PT6A-34
Power: 500 HP @ 2200 RPM
Placard/Restr:
Notes: Remove TC and PC from hub and blades.
Remove propeller assembly S/N. De-ice system configuration for flight test only.

Startlock Angle: NA
Feather/High Angle: 84.0 +-0.5
Cwt Angle: 1.5 +-1.5

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10063SX	HC-B3TN-3ACX/T8290NX/3065-16P	1	A/C	
PROPELLER	B3N10065SX	HC-B3TN-3ACX/T8290NKX/3065-16P	1	A/C	
BLADE	T8290NKX	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T8290NX	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065-16	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-3065-16P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	
DE-ICER	4H3436-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3436-10
DE-ICE KIT_PR	7931-67-943-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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LANCAIR

Model: LEGACY 540
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA

Blade Model(s): F7694-4T
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2R00001	HC-F2YR-1F/F7694-4T/SM8	1	A/C	
BLADE	F7694-4T	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2295-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1628 **Rev.:** **Date:** 9/12/2003

Modifier:
Engine: IO-540-V4A5
Power: 260 HP @ 2700 RPM
Placard/Restr: Avoid continuous ground operation between 1750 and 2100 RPM. Do not operate above 21" MP below 2300 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 40.0 +-1.0
Cwt Angle:

Non-HPI Governor:

LANCAIR

Model: LEGACY
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F3YR-1ARF
Propeller T.C.: P31EA
Blade Model(s): F8468D-14
Prop Diameter: 72

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 14.1 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F3R00040	HC-F3YR-1ARF/F8468D-14/SM9	1	A/C	
BLADE	F8468D-14	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2469 **Rev.:** **Date:** 3/26/2004

Modifier:
Engine: IO-540-K1A5
Power: 300 HP @ 2700 RPM
Placard/Restr: Maximum manifold pressure 29.5"

Notes:

Startlock Angle:
Feather/High Angle: 40.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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LANCAIR

Model: LEGACY 2000
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7391D-3
F7391D-3*1
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

IDS No.: 1898 **Rev.:** 1 **Date:** 6/13/2013

Modifier:
Engine: IO-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 40.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00400	HC-J3YF-1RF/F7391D-3/SM7	1	A/C	
PROPELLER	J3F00402	HC-J3YF-1RF/F7391D-3[*1]/SM7	1	A/C	
BLADE	F7391D-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F7391D-3*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

LANCAIR

Model: LEGACY 2000
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: BHC-J2YF-1BF
Propeller T.C.: P37EA
Blade Model(s): F7694-4T
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +-0.2

IDS No.: 1722 **Rev.:** **Date:** 7/11/2001

Modifier:
Engine: IO-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr: Avoid continuous ground operation between 1850 and 2100 RPM
Notes:

Startlock Angle:
Feather/High Angle: 40.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J2F00015	BHC-J2YF-1BF/F7694-4T/SM8	1	A/C	
BLADE	F7694-4T	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2295-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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LANCAIR

Model: TURBO LEGACY
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-H3YF-2UFX
Propeller T.C.:
Blade Model(s): FC7391D-3X
Prop Diameter: 72"

IDS No.: 2501 **Rev.:** **Date:** 12/20/2004
Modifier:
Engine: TSIO-550-X
Power: 350 HP @ 2700 RPM
Placard/Restr:
Notes: Remove TC and PC marks from hub and blades. Remove production assembly S/N from hub.

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 15.2 +-0.2

Startlock Angle: 21.5 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	H3F00015X	HC-H3YF-2UFX/FC7391D-3X/SM9	1	A/C	
BLADE	FC7391D-3X	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-3P	SPINNER ASSEMBLY	1	A/C	For stock engine cowl
SPINNER	D-4578-P	SPINNER ASSEMBLY	1	A/C	For "BEHEL" style cowl
SPINNER	D-7267-1P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

LANCAIR

Model: TURBO LEGACY
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-H3YF-1RFX
Propeller T.C.:
Blade Model(s): F7391D-3X
Prop Diameter: 72"

IDS No.: 2500 **Rev.:** **Date:** 11/4/2004
Modifier:
Engine: TSIO-550-X
Power: 350 HP @ 2700 RPM
Placard/Restr:
Notes: Remove PC and TC marks from blade and hubs and remove production assembly S/N from hub.

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 15.2 +-0.2

Startlock Angle:
Feather/High Angle: 40.0 MIN
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	H3F00280X	HC-H3YF-1RFX/F7391D-3X/SM9	1	A/C	
BLADE	F7391D-3X	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3570-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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LANCAIR

Model: LEGACY FG
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YR-1FP
Propeller T.C.: P27EA
Blade Model(s): F7497
F7499
Prop Diameter: 74

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2621 **Rev.:** **Date:** 7/31/2006

Modifier:
Engine: IO-390-X
Power: 210 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2R10700	HC-F2YR-1FP/F7497/SM8	1	A/C	
BLADE	F7497	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
BLADE	F7499	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
SPINNER	A-2295	SPINNER ASSEMBLY	1	A/C	
SPINNER	A-2295-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

LANCAIR

Model: LEGACY 2000
Trade Name:
Aircraft T.C./STC: EXPERIMENTAL
Propeller Model: PHC-J3YF-2UF
Propeller T.C.: P36EA
Blade Model(s): FC7391D-3
Prop Diameter: 72 (NO REDUCTION ALLOWED)

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2655 **Rev.:** **Date:** 11/9/2006

Modifier:
Engine: IO-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 20.0 +-1.5
Feather/High Angle: 80.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00139	PHC-J3YF-2UF/FC7391D-3/SM9	1	A/C	
BLADE	FC7391D-3	PCP:BLADE UNIT, ALUM (6,1,5)	3	Prop	
SPINNER	C-4558-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4558-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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LANCAIR

Model: 320
Trade Name: LANCAIR
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YL-1F
Propeller T.C.: P27EA
Blade Model(s): F8468D-14
Prop Diameter: 70.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 618 **Rev.:** **Date:** 4/14/2004

Modifier:
Engine: IO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 40.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2L00070	HC-F2YL-1F/F8468D-14/SM31	1	A/C	
BLADE	F8468D-14	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPIN MTG KIT	A-2476-31	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

LANCAIR

Model: 360
Trade Name: LANCAIR
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA

Blade Model(s): F7666A-4
Prop Diameter: 74.0" TO 72.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 619 **Rev.:** **Date:** 7/8/2002

Modifier:
Engine: IO-360
Power: 200 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2350 RPM
Notes:

Startlock Angle: NA
Feather/High Angle: 37.7 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2R00038	HC-F2YR-1F/F7666A-4/SM31	1	A/C	
BLADE	F7666A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-31	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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LANCAIR

Model: 360
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA

IDS No.: 1193 **Rev.:** **Date:** 11/7/2006
Modifier:
Engine: IO-360-B1B
Power: 180 HP @ 2700 RPM
Placard/Restr: Stabilized operation is prohibited above 25" manifold pressure between 2300 and 2500 RPM and below 15" manifold pressure above 2600 RPM.

Blade Model(s): F7068-2
Prop Diameter: 68.0" TO 67.0"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: LANCAIR SPINNER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	F2R00070	HC-F2YR-1F/F7068-2/SM31	1	A/C	
BLADE	F7068-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-31	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

LANCAIR

Model: LANCAIR ES
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691
Prop Diameter: 78.0" TO 77.0"

IDS No.: 1681 **Rev.:** **Date:** 4/24/2001
Modifier:
Engine: IO-550-G, -G2B
Power: 300 HP @ 2700 RPM
Placard/Restr: Do not exceed 20 in. MP below 2200 RPM.
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.1 +-0.1

Startlock Angle: NA
Feather/High Angle: 35.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00025	PHC-J3YF-1RF/F7691/SM7	1	A/C	
BLADE	F7691	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-6446	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-6446-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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LANCAIR

Model: LANCAIR ES
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.2

IDS No.: 1958 **Rev.:** **Date:** 2/10/2005

Modifier:
Engine: IO-550-G, -G2B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 40.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00055	PHC-J3YF-1RF/F7693DF/SM7	1	A/C	
BLADE	F7693DF	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-6446-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

LANCAIR

Model: LANCAIR ES
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7691D
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.1 +-0.1

IDS No.: 1159 **Rev.:** **Date:** 8/12/1999

Modifier:
Engine: IO-550-G, -G2B
Power: 300 HP @ 2700 RPM
Placard/Restr: Do not exceed 20 in. MP below 2200 RPM.
Notes: Lancair spinner requires A-2476-29 spinner mounting kit.

Startlock Angle: NA
Feather/High Angle: 35.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: LANCAIR

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00024	PHC-J3YF-1RF/F7691D/SM29	1	A/C	
BLADE	F7691D	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPIN MTG KIT	A-2476-29	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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LANCAIR

Model: EVOLUTION
Trade Name: EVOLUTION
Aircraft T.C./STC: EXPERIMENTAL
Propeller Model: HC-E4N-3NX
Propeller T.C.:

IDS No.: 2686 **Rev.:** **Date:** 1/6/2009
Modifier:
Engine: PT6A-34
Power: 560 HP @ 2200 RPM
Placard/Restr: Stabilized ground operation between 400 and 1200 RPM is prohibited. The propeller may be operated at or below 400 RPM when feathered.
Notes: Remove TC, PC and assembly serial no. from hub and blades

Blade Model(s): D8292BX*2
D8292X
Prop Diameter: 82.5" TO 81.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0+-0.5
Low Pitch Angle: 19.7+-0.1

Startlock Angle: NA
Feather/High Angle: 83.2+-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E4N00503SX	HC-E4N-3NX/D8292X/D-630-1P	1	A/C	
PROPELLER	E4N00521SX	HC-E4N-3NX/D8292BX*2/D-630-1P	1	A/C	
BLADE	D8292BX*2	PCP:BLADE UNIT, ALUM, 102878	4	Prop	
BLADE	D8292X	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-630-1	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	D-630-1P	SPINNER ASSEMBLY, "CNC"	1	A/C	
COUNTERWEIGHT	C-472-3	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	102878	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	102759-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

Lavia Argentina S.A.

Model: PA-25-235
Trade Name: Puelche
Aircraft T.C./STC: Unknown
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693F
Prop Diameter: 78" TO 76"

IDS No.: 2835 **Rev.:** **Date:** 12/16/2008
Modifier:
Engine: O-540-B4B5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R01304	HC-C3YR-1RF/F7693F	1	A/C	
BLADE	F7693F	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	835-36	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-36P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	S-1-33	GOVERNOR ASSEMBLY, S-1-33	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

HARTZELL

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LAVIASA

Model: PA-25-260
Trade Name: PAWNEE
Aircraft T.C./STC: 2A8, 2A10
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8477
 F8477-1
Prop Diameter: 84" TO 83"

IDS No.: 1553 **Rev.:** **Date:** 11/7/2006
Modifier:
Engine: O-540-G1A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes: Aircraft TC states "Spinner - None Approved"; Governor model F-4-4A is compatible with narrow deck version (.895 to 1 drive ratio) of O-540-G1A5 engine as currently listed.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: NONE

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00151	HC-C2YK-1BF/F8477	1	A/C	
BLADE	F8477	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F8477-1	IDS Item	2	Prop	
GOVERNOR	F4-4A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

LOCKHEED

Model: 12A
Trade Name:
Aircraft T.C./STC: STC-SA4-33
Propeller Model: HC-(9,B)3(Z,W,P,R)30-2E
Propeller T.C.:
Blade Model(s): 10152-5.5
 10152N-5.5
Prop Diameter: 95.5"

IDS No.: 622 **Rev.:** **Date:** 10/2/1992
Modifier: HARTZELL PROPELLER
Engine: R985 (with 4.5 & 9 dampers)
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 88.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10152-5.5	BLADE	3	Prop	
BLADE	10152N-5.5	BLADE	3	Prop	
SPINNER	836-16SPR	IDS Item	1	Prop	
SPINNER	836-17SPR	SPINNER ASSEMBLY	1	Prop	Alcohol
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C1	IDS Item	2	A/C	See STC
GOVERNOR	C2	IDS Item	2	A/C	See STC
GOVERNOR	C3	GOVERNOR ASSEMBLY, C-3-()	2	A/C	

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LOCKHEED

Model: 12A
Trade Name:
Aircraft T.C./STC: STC-SA4-33
Propeller Model: HC-B3(Z,W)30-2D, -2E
Propeller T.C.:
Blade Model(s): 10160-6
 10160N-6

Prop Diameter: 95"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	10160-6	IDS Item	3	Prop	
BLADE	10160N-6	IDS Item	3	Prop	
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	

IDS No.: 623 **Rev.:** **Date:** 10/2/1992
Modifier: HARTZELL PROPELLER
Engine: R985 (with 4.5 & 9 dampers)
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 88.0 +0.5
Cwt Angle: Positive

Non-HPI Governor:

LUSCOMBE

Model: 8B,8C,8D,8E
Trade Name:
Aircraft T.C./STC: A-694
Propeller Model: HA-12UO, HA-12UF
Propeller T.C.:
Blade Model(s): 7214
 7214-2
 7214-2M
 7214-4
 7214-4M
 7214M
 7414
 7414M

Prop Diameter: 74" TO 68"

Prop Setup:

Ref. Radius: 0
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	7214	IDS Item	2	Prop	
BLADE	7214-2	IDS Item	2	Prop	
BLADE	7214-2M	IDS Item	2	Prop	
BLADE	7214-4	IDS Item	2	Prop	
BLADE	7214-4M	IDS Item	2	Prop	
BLADE	7214M	IDS Item	2	Prop	
BLADE	7414	IDS Item	2	Prop	
BLADE	7414M	IDS Item	2	Prop	

IDS No.: 624 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: A-75-8J, C-85-12; LYCO O-145-B1
Power: 85 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Governor:

HARTZELL

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LUSCOMBE

Model: 11
Trade Name:
Aircraft T.C./STC: STC-SA3-71
Propeller Model: HC-82XF-2, HC-A2XF-2
Propeller T.C.: P24EA
Blade Model(s): 8433-1
Prop Diameter: 83" TO 81.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-1	BLADE	2	Prop	
COUNTERWEIGHT	B-618	IDS Item	1	Blade	

IDS No.: 2202 **Rev.:** **Date:**
Modifier: GRAHAM FLYING
Engine: E-185-2
Power: 185 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 24.0 +/- 0.1
Cwt Angle: Positive

Non-HPI Governor:

LUSCOMBE

Model: 11
Trade Name:
Aircraft T.C./STC: STC-SA3-71
Propeller Model: HC-A2MVF-2
Propeller T.C.: P24EA
Blade Model(s): MV8433N-1
Prop Diameter: 83" TO 81.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-1	PCP:BLADE UNIT, ALUMINUM	2	Prop	
COUNTERWEIGHT	B-618	IDS Item	1	Blade	

IDS No.: 625 **Rev.:** **Date:** 5/17/1998
Modifier: GRAHAM FLYING
Engine: E-185-2
Power: 185 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 24.0 +/- 0.1
Cwt Angle: Positive

Non-HPI Governor:

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LUSCOMBE

Model: 11A
Trade Name:
Aircraft T.C./STC: A-804
Propeller Model: not procurable
Propeller T.C.:
Blade Model(s):
Prop Diameter: 83.0" TO 81.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +0.2

Non-HPI Items:

Non-HPI Spinner: LUSCOMBE

Hartzell Approved Items:

IDS No.: 627 Rev.: Date: 5/17/1998

Modifier:
Engine: E-185-2
Power: 185 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.0
Cwt Angle:

Non-HPI Governor:

LUSCOMBE

Model: 11A
Trade Name:
Aircraft T.C./STC: A-804
Propeller Model: HC-42XF-2
Propeller T.C.:
Blade Model(s): 8428-1
Prop Diameter: 83.0" TO 81.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +0.2

Non-HPI Items:

Non-HPI Spinner: LUSCOMBE

Hartzell Approved Items:

IDS No.: 628 Rev.: Date: 10/2/1992

Modifier:
Engine: E-165-2, E-185-2
Power: 165 HP @ 2050 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 22.2 +0.5
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8428-1	IDS Item	2	Prop	

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LUSCOMBE

Model: 11A
Trade Name:
Aircraft T.C./STC: STC-SA3-71
Propeller Model: HC-12X20-7, HC-D2X20-7, HC-12X20-7D
Propeller T.C.: P48GL
Blade Model(s): 8433-1
Prop Diameter: 83"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433-1	BLADE	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2203 **Rev.:** **Date:**

Modifier: GRAHAM FLYING
Engine: E-185-2
Power: 185 HP @ 2300 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 23.5 MIN
Cwt Angle: Positive

Non-HPI Governor:

LUSCOMBE

Model: 11A
Trade Name:
Aircraft T.C./STC: STC-SA3-71
Propeller Model: HC-D2MV20-7
Propeller T.C.: P48GL
Blade Model(s): MV8433N-1
Prop Diameter: 83"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	D2210017	HC-D2MV20-7/MV8433N-1/LESS HYD	1	A/C	
PROPELLER	D2210018	HC-D2MV20-7/MV8433N-1 VLV.&HYD	1	A/C	
BLADE	MV8433N-1	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 626 **Rev.:** 1 **Date:** 1/7/2011

Modifier: GRAHAM FLYING
Engine: E-185-2
Power: 185 HP @ 2300 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 23.5 MIN
Cwt Angle: Positive

Non-HPI Governor:

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MAULE

Model: M-4-180V
Trade Name:
Aircraft T.C./STC: 3A23
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A
Prop Diameter: 76" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2719 **Rev.:** **Date:** 7/17/2007

Modifier:
Engine: O-360-C1F
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 28.8 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00021	HC-C2YR-1BF/F7666A/SM19	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MAULE

Model: M-4-220C, S, T
Trade Name:
Aircraft T.C./STC: STC-SA1199NW
Propeller Model: HC-C2YF-1BF
Propeller T.C.: P-920
Blade Model(s): F8459A-4
Prop Diameter: 80.0" TO 76.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1417 **Rev.:** **Date:** 7/21/1999

Modifier: L'I'L RED AERO, INC.
Engine: 6A-350-C1
Power: 220 HP @ 2800 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8459A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-4203	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-4203-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-2	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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MAULE

Model: M-5-180C, M-6-180, MX-7-180

Trade Name:

Aircraft T.C./STC: 3A23

Propeller Model: HC-C2YR-1BF

Propeller T.C.: P-920

Blade Model(s): F7666A

Prop Diameter: 76" TO 72"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 629

Rev.:

Date: 5/27/2008

Modifier:

Engine: O-360-C1F

Power: 180 HP @ 2700 RPM

Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:

Startlock Angle: NA

Feather/High Angle: 28.8 +-1.0

Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00021	HC-C2YR-1BF/F7666A/SM19	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MAULE

Model: M-5-200

Trade Name:

Aircraft T.C./STC: 3A23

Propeller Model: HC-E2YR-1BF

Propeller T.C.: P9EA

Blade Model(s): F8467-7R

Prop Diameter: 77" TO 76.5"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 630

Rev.:

Date: 10/2/1992

Modifier:

Engine: IO-360-J1A6D

Power: 200 HP @ 2575 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 31.5 +-1.5

Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E2R00043	HC-E2YR-1BF/F8467-7R	1	A/C	
BLADE	F8467-7R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MAULE

Model: M-5-210TC
Trade Name:
Aircraft T.C./STC: 3A23
Propeller Model: HC-E2YR-1BF
Propeller T.C.: P9EA
Blade Model(s): F8467-7R
Prop Diameter: 77" TO 76.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E2R00044	HC-E2YR-1BF/F8467-7R	1	A/C	
BLADE	F8467-7R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 631 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: TO-360-F1A6D
Power: 210 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.5 +-1.5
Cwt Angle:

Non-HPI Governor:

MAULE

Model: M-5-210TC
Trade Name:
Aircraft T.C./STC: 3A23
Propeller Model: HC-E2YR-1BF
Propeller T.C.: P9EA
Blade Model(s): F8467-7R
Prop Diameter: 77" TO 76.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E2R00045	HC-E2YR-1BF/F8467-7R	1	A/C	
BLADE	F8467-7R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 632 **Rev.:** **Date:** 10/15/2002

Modifier:
Engine: TO-360-F1A6D
Power: 210 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.5 +-1.5
Cwt Angle:

Non-HPI Governor:

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MAULE

Model: M-5-235C, M-6-235, M(X)-7-235

Trade Name:

Aircraft T.C./STC: 3A23

Propeller Model: HC-C2YR-1BF

Propeller T.C.: P-920

Blade Model(s): F8468A-3R

F8468A-6R

Prop Diameter: 81.0" TO 77.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 16.0 +-0.1

IDS No.: 634

Rev.:

Date: 2/7/2005

Modifier:

Engine: O-540-J1A5D, IO-540-W1A5D

Power: 235 HP @ 2400 RPM

Placard/Restr: Do not exceed 23 inches MP below 2050 RPM

Notes: F8468A-3R requires larger tire size per TCDS 3A23

Startlock Angle: NA

Feather/High Angle: 30.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00038	HC-C2YR-1BF/F8468A-3R/SM19	1	A/C	
PROPELLER	C2R00040	HC-C2YR-1BF/F8468A-6R/SM19	1	A/C	
BLADE	F8468A-3R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MAULE

Model: M-5-235C, M-6-235, M(X)7-235, M-7-235B,-
C

Trade Name:

Aircraft T.C./STC: 3A23

Propeller Model: HC-C3YR-1RF

Propeller T.C.: P25EA

Blade Model(s): F7693F

Prop Diameter: 78"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 14.2 +-0.1

IDS No.: 1864

Rev.:

Date: 5/27/2008

Modifier:

Engine: IO-540-W1A5D, IO-540-W1A5

Power: 235 HP @ 2400 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 31.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00902	HC-C3YR-1RF/F7693F/SM5	1	A/C	
BLADE	F7693F	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-5	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MAULE

Model: M9-230
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-I3YR-1C
Propeller T.C.: P33EA
Blade Model(s): 7690J
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1973 **Rev.:** 2 **Date:** 12/19/2012

Modifier:
Engine: SR305
Power: 230 HP @ 2200 RPM
Placard/Restr:

Notes: Refer to Manual 145 for Airworthiness Limitations.

Startlock Angle: NA
Feather/High Angle: 37.0 MIN
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I3R00800	HC-I3YR-1C/7690J/SM7	1	A/C	
BLADE	7690J	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	V-5-10L	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
GOVERNOR	V5-7L	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MAULE

Model: M-7-235
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8468A-3R
F8468A-6R
Prop Diameter: 81.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.8 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1219 **Rev.:** **Date:** 6/14/2007

Modifier:
Engine: O-540-B4B5
Power: 235 HP @ 2575 RPM
Placard/Restr:

Notes: -3R balde requires large tire

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00037	HC-C2YR-1BF/F8468A-3R/SM19	1	A/C	
PROPELLER	C2R00041	HC-C2YR-1BF/F8468A-6R/SM19	1	A/C	
BLADE	F8468A-3R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MAULE

Model: M(T)-7-235()
Trade Name:
Aircraft T.C./STC: 3A23
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693F*1
Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.2 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1518 **Rev.:** **Date:** 10/6/1999

Modifier:
Engine: O-540-J3A5
Power: 235 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00040	HC-C3YR-1RF/F7693F [*1]	1	A/C	
BLADE	F7693F*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-5	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MAULE

Model: M(T)-7-235()
Trade Name:
Aircraft T.C./STC: 3A23
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8477D-6
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.7 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1519 **Rev.:** **Date:** 3/10/1998

Modifier:
Engine: O-540-J3A5
Power: 235 HP @ 2400 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00076	HC-C2YR-1BF/F8477D-6/SM19	1	A/C	
BLADE	F8477D-6	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MAULE

Model: M(T)-7-235()
Trade Name:
Aircraft T.C./STC: 3A23
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693F*1
Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1516 **Rev.:** **Date:** 5/27/2008

Modifier:
Engine: O-540-B4B5
Power: 235 HP @ 2575 RPM
Placard/Restr:

Notes: S-1-13 Governor approved for aircraft models M-7-235B & M-7-235C only.

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00042	HC-C3YR-1RF/F7693F[*1]/SM5	1	A/C	
BLADE	F7693F*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-5	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MAULE

Model: M(T)-7-235()
Trade Name:
Aircraft T.C./STC: 3A23
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8477D-6
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.3 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1517 **Rev.:** **Date:** 6/14/2007

Modifier:
Engine: O-540-B4B5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00075	HC-C2YR-1BF/F8477D-6/SM19	1	A/C	
BLADE	F8477D-6	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	S-1-13	GOVERNOR ASSEMBLY, S-1-13	1	A/C	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MAULE

Model: M(T)-7-260
Trade Name:
Aircraft T.C./STC: 3A23
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8477D-6
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

IDS No.: 1444 **Rev.:** **Date:** 9/22/1999

Modifier:
Engine: IO-540-V4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00071	HC-C2YR-1BF/F8477D-6/SM19	1	A/C	
BLADE	F8477D-6	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MAULE

Model: M-7-260, M-7-260C, M(T)-7-260
Trade Name:
Aircraft T.C./STC: 3A23
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693F-1
F7693F-1*1
Prop Diameter: 77" to 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 1528 **Rev.:** **Date:** 6/29/2006

Modifier:
Engine: IO-540-V4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00036	HC-C3YR-1RF/F7693F-1/SM5	1	A/C	
PROPELLER	C3R00039	HC-C3YR-1RF/F7693F-1[*1]/SM5	1	A/C	
BLADE	F7693F-1	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F7693F-1*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	S-1-15	GOVERNOR ASSEMBLY, S-1-15	1	A/C	
SPIN MTG KIT	A-2476-5	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MAULE

Model: M-7-260, M-7-260C, M(T)-7-260

Trade Name:

Aircraft T.C./STC: 3A23

Propeller Model: HC-C3YR-1RF

Propeller T.C.: P25EA

Blade Model(s): F7693F
F7693F*1

Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius: 30

Reverse Angle: NA

Low Pitch Angle: 12.0 +-0.2

IDS No.: 1296

Rev.:

Date: 5/27/2008

Modifier:

Engine: IO-540-V4A5

Power: 260 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 31.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00033	HC-C3YR-1RF/F7693F[*1]/SM5	1	A/C	
PROPELLER	C3R00035	HC-C3YR-1RF/F7693F/SM5	1	A/C	
PROPELLER	C3R00035KD	HC-C3YR-1RF/F7693F/SM5	1	A/C	
BLADE	F7693F	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F7693F*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-5	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MAULE

Model: M-7-420
Trade Name:
Aircraft T.C./STC: STC-SA2661SO
Propeller Model: HC-B3TF-7A
Propeller T.C.: P15EA
Blade Model(s): T10173-11R
 T10173F-11R
 T10173FN-11R
 T10173N-11R

Prop Diameter: 90.5" TO 88.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 12.2 +-0.1

IDS No.: 635 **Rev.:** 1 **Date:** 1/7/2011

Modifier: MAULE TECHNOLOGIES

Engine: 250-B17C

Power: 420 HP @ 2030 RPM

Placard/Restr:

Notes: Both "F" and Non-"F" blades are vibration approved, but this STC only covers the "F" blades.

Startlock Angle: NA

Feather/High Angle: 81.1 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3F10050S	HC-B3TF-7A/T10173N-11R/A3640P	1	A/C	
PROPELLER	B3F10051	HC-B3TF-7A/T10173FN-11R	1	A/C	
PROPELLER	B3F10051S	HC-B3TF-7A/T10173FN-11R/A3640P	1	A/C	
BLADE	T10173-11R	BLADE	3	Prop	
BLADE	T10173F-11R	BLADE	3	Prop	
BLADE	T10173FN-11R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10173N-11R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-3640	SPINNER ASSEMBLY	1	Prop	
SPINNER	A-3640-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3648	SPINNER - MTG KIT	1	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-3	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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MAULE

Model: MX (T)-7-420
Trade Name:
Aircraft T.C./STC: 3A23
Propeller Model: HC-B3TF-7A
Propeller T.C.: P15EA
Blade Model(s): T10173F-21R
 T10173FN-21R
Prop Diameter: 80.5" TO 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 12.2 +-0.1

IDS No.: 636 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: 250-B17C
Power: 369 HP @ 2030 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 81.1 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3F10066	HC-B3TF-7A/T10173FN-21R	1	A/C	
PROPELLER	B3F10066S	HC-B3TF-7A/T10173FN-21R/A3640P	1	A/C	
BLADE	T10173F-21R	BLADE	3	Prop	
BLADE	T10173FN-21R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-3640-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3648	SPINNER - MTG KIT	1	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-3	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

MCCULLOCH

Model: J-2
Trade Name:
Aircraft T.C./STC: H6WE
Propeller Model: HC-C3YR-1RLF
Propeller T.C.: P25EA
Blade Model(s): FL7663-4R
Prop Diameter: 74"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.1

IDS No.: 637 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: IO-360
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.6 +-2.4
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FL7663-4R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
GOVERNOR	H1-1	IDS Item			
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MCKINNON

Model: see GRUMMAN

Trade Name:
Aircraft T.C./STC:
Propeller Model:

Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 638 Rev.: Date: 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

MESSERSCHMITT

Model: 207

Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-92ZK-8D

Propeller T.C.: P892
Blade Model(s): 8447A-12A
8447AN-12A

Prop Diameter: 72

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1932 Rev.: Date: 9/8/2004

Modifier:
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.0 +-1.0
Cwt Angle: NA

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	92K00110	HC-92ZK-8D/8447A-12A	1	A/C	
BLADE	8447A-12A	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447AN-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	4	Prop	Primary
MTG BOLT/STUD	A-1333-2	IDS Item	2	Prop	Primary
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Secondary
MTG BOLT/STUD	A-1333-6	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Secondary

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MESSERSCHMITT

Model: BO209-150FV, RV
Trade Name:
Aircraft T.C./STC: A27EU
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F7663A-6
Prop Diameter: 70" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.2 +-0.2

Non-HPI Items:

Non-HPI Spinner: MBB

IDS No.: 639 **Rev.:** **Date:** 6/6/2006

Modifier:
Engine: O-320-E1C, -E1F
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.0 +-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00051	HC-C2YL-1BF/F7663A-6	1	A/C	
BLADE	F7663A-6	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

MESSERSCHMITT

Model: BO209-160FV, RV
Trade Name:
Aircraft T.C./STC: A27EU
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F7663A-6
Prop Diameter: 70" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.95 +-0.2

Non-HPI Items:

Non-HPI Spinner: MBB, 209-61056

IDS No.: 640 **Rev.:** **Date:** 6/30/2008

Modifier:
Engine: IO-320-D1A, -D1B
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.0 +-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00053	HC-C2YL-1BF/F7663A-6			
BLADE	F7663A-6	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

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MEYERS

Model: MAC145
Trade Name:
Aircraft T.C./STC: 3A1
Propeller Model: HA-12UF
Propeller T.C.:
Blade Model(s): 8032-6
Prop Diameter: 74" TO 72.5"

Prop Setup:

Ref. Radius 0
Reverse Angle: NA
Low Pitch Angle: 15.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8032-6	IDS Item	2	Prop	

MEYERS 200

Model: see PROP JETS INC.
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 641 Rev.: Date: 10/2/1992

Modifier:
Engine: C-145-2
Power: 145 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Governor:

IDS No.: 642 Rev.: Date: 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

HARTZELL

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MICCO

Model: MAC-145B
Trade Name: SP-26
Aircraft T.C./STC: 3A1
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693F
Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1614 **Rev.:** **Date:** 10/31/2000
Modifier:
Engine: IO-540-T4B5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00038	HC-C3YR-1RF/F7693F/SM18	1	A/C	
BLADE	F7693F	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-18	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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mitsubishi

Model: MU-2B,MU-2B-10 (MU-2B)

Trade Name:

Aircraft T.C./STC: A2PC

Propeller Model: HC-B3TN-5M

Propeller T.C.: P15EA

Blade Model(s): T10176NS-5
T10176NSB-5
T10176NSK-5
T10176S-5
T10176SB-5
T10176SK-5

Prop Diameter: 96" NO CUT OFF

Prop Setup:

Ref. Radius 30

Reverse Angle: -6.5 +-0.5

Low Pitch Angle: 12.0 F.I.

IDS No.: 643

Rev.: 1

Date: 1/7/2011

Modifier:

Engine: TPE331-25A, -25AA, -25AB

Power: 575 HP @ 2000 RPM

Placard/Restr:

Notes: 4E1188-5 may be replaced by 4E2200-10 per BFG dwg 7E1384.

Startlock Angle: 2.4 +-0.1

Feather/High Angle: 86.5 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10785S	HC-B3TN-5M/T10176NSB-5/C3043-3	2	A/C	
BLADE	T10176NS-5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10176NSB-5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10176NSK-5	IDS ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10176S-5	BLADE	3	Prop	
BLADE	T10176SB-5	BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10176SK-5	IDS*ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
SPINNER	C-3043-3	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-8H	BOLT, 1/4-28, HEX HEAD	9	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	9	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	9	Prop	
SP_MT_KIT_DE-ICE	B-3384-23	BOLT, 1/4-28, HEX HEAD	9	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	9	Prop	
SP_MT_KIT_DE-ICE	B-3851-0463	WASHER	27	Prop	
SP_MT_KIT_DE-ICE	B-7070-42	IDS Item	27	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-77-195-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

MITSUBISHI

Model: MU-2B, MU-2B-10 (MU-2B)

Trade Name:

Aircraft T.C./STC: A2PC

Propeller Model: HC-B3TN-5M

Propeller T.C.: P15EA

Blade Model(s): T10178-11
 T10178-11R
 T10178B-11*1
 T10178B-11*2
 T10178B-11R
 T10178B-11R*1
 T10178N-11
 T10178N-11R
 T10178NB-11*1
 T10178NB-11*2
 T10178NB-11R
 T10178NB-11R*1
 T10178NSB-11R

Prop Diameter: 90.5" TO 90"

Prop Setup:

Ref. Radius: 30

Reverse Angle: -6.5 +-0.5

Low Pitch Angle: 12.0 F.I.

IDS No.: 644

Rev.: 1

Date: 1/7/2011

Modifier:

Engine: TPE331-25A, -25AA, -25AB

Power: 575 HP @ 2000 RPM

Placard/Restr:

Notes: -5M Supersedes -5C and -5E

Startlock Angle: 2.5 +-0.2

Feather/High Angle: 86.0 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10738	HC-B3TN-5M/T10178NSB-11R	2	A/C	
PROPELLER	B3N10830S	HC-B3TN-5M/T10178NB-11R/3043-3	2	A/C	
BLADE	T10178-11	BLADE	3	Prop	
BLADE	T10178-11R	BLADE	3	Prop	
BLADE	T10178B-11*1	IDS*ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178B-11*2	IDS*ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178B-11R	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178B-11R*1	IDS*ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178N-11	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178N-11R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178NB-11*1	IDS ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178NB-11*2	IDS ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178NB-11R	BLADE UNIT, ALUMINUM, 4H1188-5	3	Prop	
BLADE	T10178NB-11R*1	IDS ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178NSB-11R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3043-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-8H	BOLT, 1/4-28, HEX HEAD	9	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	9	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	9	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-10	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-27H	BOLT, 1/4-28, HEX HEAD	2	Blade	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-77-190-1	IDS ITEM - DE-ICE KIT	1	Prop	For use with 4H1188-3 de-cer
DE-ICE KIT_PR	7931-77-195-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

mitsubishi

Model: MU-2B-15, -20, -30 (MU-2D,F,G)

Trade Name:

Aircraft T.C./STC: A2PC

Propeller Model: HC-B3TN-5M

Propeller T.C.: P15EA

Blade Model(s): T10178-11
 T10178-11R
 T10178B-11*1
 T10178B-11*2
 T10178B-11R
 T10178B-11R*1
 T10178N-11
 T10178N-11R
 T10178NB-11*1
 T10178NB-11*2
 T10178NB-11R
 T10178NB-11R*1
 T10178NSB-11R

Prop Diameter: 90.5" TO 90"

Prop Setup:

Ref. Radius 30

Reverse Angle: -6.5 +-0.5

Low Pitch Angle: 12.0 F.I.

IDS No.: 645

Rev.: 1

Date: 1/7/2011

Modifier:

Engine: TPE331-1-151A

Power: 665 HP @ 2000 RPM

Placard/Restr:

Notes: Current Production Model is HC-B3TN-5M

Startlock Angle: 2.5 +-0.2

Feather/High Angle: 86.0 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10738	HC-B3TN-5M/T10178NSB-11R	2	A/C	
PROPELLER	B3N10830S	HC-B3TN-5M/T10178NB-11R/3043-3	2	A/C	
BLADE	T10178-11	BLADE	3	Prop	
BLADE	T10178-11R	BLADE	3	Prop	
BLADE	T10178B-11*1	IDS*ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178B-11*2	IDS*ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178B-11R	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178B-11R*1	IDS*ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178N-11	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178N-11R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178NB-11*1	IDS ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178NB-11*2	IDS ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178NB-11R	BLADE UNIT, ALUMINUM, 4H1188-5	3	Prop	
BLADE	T10178NB-11R*1	IDS ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178NSB-11R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3043-2	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-8H	BOLT, 1/4-28, HEX HEAD	9	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	9	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	9	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-10	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-27H	BOLT, 1/4-28, HEX HEAD	2	Blade	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-77-190-1	IDS ITEM - DE-ICE KIT	1	Prop	For use with 4H1188-3 de-icer
DE-ICE KIT_PR	7931-77-195-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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mitsubishi

Model: MU-2B-25A, -26A
Trade Name:
Aircraft T.C./STC: A10SW
Propeller Model: HC-B4TN-5DL, -5GL, -5JL
Propeller T.C.: P40EA
Blade Model(s): LT10282NSB-5.3
Prop Diameter: 97.7"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -6.5 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1298 **Rev.:** 2 **Date:** 9/12/2011
Modifier:
Engine: TPE331-5-252M
Power: 715 HP @ 1591 RPM
Placard/Restr:
Notes: Reference Manual 139 for Airworthiness Limitations.

Startlock Angle: 2.5 +-0.1
Feather/High Angle: 87.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LT10282NSB-5.3R	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
SPINNER	C-3410-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3410-3P	IDS Item	1	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H1188-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-7
DE-ICE KIT_PR	7931-65-165-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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mitsubishi

Model: MU-2B-25, -26, -35, -36

Trade Name: (MU-2K, M, J, L)

Aircraft T.C./STC: A10SW

Propeller Model: HC-B3TN-5M

Propeller T.C.: P15EA

Blade Model(s): T10178B-11*1
T10178B-11*2
T10178B-11R
T10178B-11R*1
T10178NB-11*1
T10178NB-11*2
T10178NB-11R
T10178NB-11R*1

Prop Diameter: 90.5" TO 90"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -6.5 +/-0.5
Low Pitch Angle: 12.0 F.I.

IDS No.: 647 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: TPE331-6-251M
Power: 665 HP @ 2000 RPM
Placard/Restr:
Notes: Engine HP rating is 715hp for MU-2B-36
Feather 86 per A2PC, 87 per A10SW

Startlock Angle: 2.5 +/-0.2
Feather/High Angle: 87.0 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10832S	HC-B3TN-5M/T10178NB-11R/3043-3	2	A/C	
BLADE	T10178B-11*1	IDS*ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178B-11*2	IDS*ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178B-11R	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178B-11R*1	IDS*ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178NB-11*1	IDS ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178NB-11*2	IDS ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178NB-11R	BLADE UNIT, ALUMINUM, 4H1188-5	3	Prop	
BLADE	T10178NB-11R*1	IDS ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
SPINNER	C-3043-3	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-10	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-27H	BOLT, 1/4-28, HEX HEAD	2	Blade	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-77-190-1	IDS ITEM - DE-ICE KIT	1	Prop	For use with 4H1188-3 de-icer
DE-ICE KIT_PR	7931-77-195-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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MITSUBISHI

Model: MU-2B-25, -26, -35, -36

Trade Name: (MU-2K, M, J, L)

Aircraft T.C./STC: A2PC

Propeller Model: HC-B3TN-5M

Propeller T.C.: P15EA

Blade Model(s): T10178B-11*1
T10178B-11*2
T10178B-11R
T10178B-11R*1
T10178NB-11*1
T10178NB-11*2
T10178NB-11R
T10178NB-11R*1
T10178NSB-11R

Prop Diameter: 90.5" TO 90"

Prop Setup:

Ref. Radius 30

Reverse Angle: -6.5 +/-0.5

Low Pitch Angle: 12.0 F.I.

IDS No.: 646

Rev.: 1

Date: 1/7/2011

Modifier:

Engine: TPE331-6-251M

Power: 665 HP @ 2000 RPM

Placard/Restr:

Notes: Engine HP rating is 715hp for MU-2B-36
Prop model is HC-B3TN-5 and feather 86
per A2PC; Latest hub model is HC-B3TN-5M;
Current Production Model is HC-B3TN-5M

Startlock Angle: 2.5 +/-0.2

Feather/High Angle: 86.0 +/- 0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10731S	HC-B3TN-5M/T10178NB-11R/3043-3	2	A/C	
PROPELLER	B3N10738	HC-B3TN-5M/T10178NSB-11R	2	A/C	
PROPELLER	B3N10830S	HC-B3TN-5M/T10178NB-11R/3043-3	2	A/C	
BLADE	T10178B-11*1	IDS*ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178B-11*2	IDS*ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178B-11R	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178B-11R*1	IDS*ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178NB-11*1	IDS ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178NB-11*2	IDS ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178NB-11R	BLADE UNIT, ALUMINUM, 4H1188-5	3	Prop	
BLADE	T10178NB-11R*1	IDS ITEM, BLADE, 4E1188-3 BOOT	3	Prop	
BLADE	T10178NSB-11R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3043-3	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-8H	BOLT, 1/4-28, HEX HEAD	9	Prop	
SPIN MTG KIT	B-3808-4	NUT, HEX, SELF-LOCKING	9	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	9	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-10	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-27H	BOLT, 1/4-28, HEX HEAD	2	Blade	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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mitsubishi

Model: MU-2B-25, 26, 35, 36

Trade Name:

Aircraft T.C./STC: STC SA09565SC

Propeller Model: HC-B3TN-5M

Propeller T.C.: P15EA

Blade Model(s): T10178NSB-11R

Prop Diameter: 90.375" TO 89.375"

Prop Setup:

Ref. Radius 30

Reverse Angle: -6.5 +-0.5

Low Pitch Angle: 12.0 F.I.

IDS No.: 1618

Rev.: 1

Date: 1/10/2011

Modifier: INTERCONTINENTAL JET, INC.

Engine: TPE331-10AV-511M

Power: 665 HP @ 2000 RPM

Placard/Restr:

Notes: Engine HP rating is 715hp for MU-2B-36

Startlock Angle: 2.5 +-0.1

Feather/High Angle: 87.0 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10831S	HC-B3TN-5M/T10178NSB-11R/SPIN	2	A/C	
BLADE	T10178NSB-11R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3043-3P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-10	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-27H	BOLT, 1/4-28, HEX HEAD	2	Blade	
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-77-195-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

mitsubishi

Model: MU-2B-26A, MU-2B-40 (MU-2P)

Trade Name: SOLITARE

Aircraft T.C./STC: A10SW

Propeller Model: HC-B4TN-5DL, -5GL

Propeller T.C.: P40EA

Blade Model(s): LT10282NS-5.3R

LT10282NSK-5.3

Prop Diameter: 97.7"

Prop Setup:

Ref. Radius 30

Reverse Angle: -6.5 +-0.5

Low Pitch Angle: 12.0 +-0.1 F.I.

IDS No.: 1915

Rev.: 2

Date: 9/12/2011

Modifier:

Engine: TPE331-5-252M, -10-501M, -10-511M

Power: 665 HP @ 1591 RPM

Placard/Restr:

Notes: 2.5 start lock for -GL. Reference Manual 139 for Airworthiness Limitations.

Startlock Angle: 2.5 +-0.1

Feather/High Angle: 88.0 +-0.7

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	LT10282NS-5.3R	IDS Item	4	Prop	
BLADE	LT10282NSK-5.3R	IDS ITEM, BLADE, BOOT TBD	4	Prop	
SPINNER	C-3410-1P	SPINNER ASSEMBLY	1	Prop	For -5DL
SPINNER	C-3410-3P	IDS Item	1	Prop	For -5GL
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-2	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICE KIT_PR	7931-65-165-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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MITSUBISHI

Model: MU-2B-26A, MU-2B-40 (MU-2P)

Trade Name: SOLITARE

Aircraft T.C./STC: A10SW

Propeller Model: HC-B4TN-5JL

Propeller T.C.: P40EA

Blade Model(s): LT10282NSB-5.3
LT10282NSB53R

Prop Diameter: 97.7"

Prop Setup:

Ref. Radius 30

Reverse Angle: -6.5 +-0.5

Low Pitch Angle: 12.0 +-0.1 F.I.

IDS No.: 648

Rev.: 3

Date: 9/12/2011

Modifier:

Engine: TPE331-5-252M, -10-501M, -10-511M

Power: 665 HP @ 1591 RPM

Placard/Restr:

Notes: Reference Manual 139 for Airworthiness Limitations.

Startlock Angle: 2.5 +-0.1

Feather/High Angle: 88.0 +-0.7

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10811	HC-B4TN-5JL/LT10282NSB-5.3R	2	A/C	
PROPELLER	B4N10812	HC-B4TN-5JL/LT10282NSB53R[*1]	2	A/C	
BLADE	LT10282NSB-5.3R	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
BLADE	LT10282NSB53R*1	PCP:BLADE UNIT, ALUM [3,1,1]	4	Prop	
SPINNER	C-3410-3P	IDS Item	1	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-2	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H1188-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-7
DE-ICE KIT_PR	7931-65-165-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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MITSUBISHI

Model: MU-2B-30
Trade Name:
Aircraft T.C./STC: STC-SA336GL-D
Propeller Model: HC-B4TN-5DL, -5GL, -5JL
Propeller T.C.: P40EA
Blade Model(s): LT10282NSB-5.3
Prop Diameter: 97.7"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -6.5 +-0.5
Low Pitch Angle: NA

IDS No.: 650 **Rev.:** 2 **Date:** 9/12/2011
Modifier: AIRESEARCH AVIATION
Engine: TPE331-5-252M
Power: 665 HP @ 1591 RPM
Placard/Restr:
Notes: Reference Manual 139 for Airworthiness Limitations.

Startlock Angle: 2.5 +-0.1
Feather/High Angle: 87.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	LT10282NSB-5.3R	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
SPINNER	C-3410-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3410-3P	IDS Item	1	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H1188-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-7
DE-ICE KIT_PR	7931-65-165-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

MITSUBISHI

Model: MU-2B-35A, -36A
Trade Name:
Aircraft T.C./STC: A10SW
Propeller Model: HC-B4TN-5DL, -5GL, -5JL
Propeller T.C.: P40EA
Blade Model(s): LT10282NSB-5.3
Prop Diameter: 97.7"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -6.5 +-0.5
Low Pitch Angle: NA

IDS No.: 1300 **Rev.:** 2 **Date:** 9/12/2011
Modifier:
Engine: TPE331-5-252
Power: 715 HP @ 1591 RPM
Placard/Restr:
Notes: Reference Manual 139 for Airworthiness Limitations.

Startlock Angle: 2.5 +-0.1
Feather/High Angle: 87.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	LT10282NSB-5.3R	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
SPINNER	C-3410-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3410-3P	IDS Item	1	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H1188-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-7
DE-ICE KIT_PR	7931-65-165-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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mitsubishi

Model: MU-2B-36A, MU-2B-60 (MU-2N)
Trade Name: MARQUISE
Aircraft T.C./STC: A10SW
Propeller Model: HC-B4TN-5DL, -5GL, -5JL
Propeller T.C.: P40EA
Blade Model(s): LT10282NS-5.3R
 LT10282NSB-5.3
 LT10282NSB53R
 LT10282NSK-5.3

Prop Diameter: 97.7"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -6.5 +/-0.5
Low Pitch Angle: 12.0 +/-0.1 F.I.

IDS No.: 649 **Rev.:** 4 **Date:** 9/12/2011
Modifier:
Engine: TPE331-5-252M, -10-501M, -10-511M
Power: 715 HP @ 1591 RPM
Placard/Restr:
Notes: 2.5 start lock for -GL,-JL. Reference Manual 139 for Airworthiness Limitations.

Startlock Angle: 2.5 +/-0.1
Feather/High Angle: 88.0 +/-0.7
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10811	HC-B4TN-5JL/LT10282NSB-5.3R	2	A/C	
PROPELLER	B4N10812	HC-B4TN-5JL/LT10282NSB53R[*1]	2	A/C	
BLADE	LT10282NS-5.3R	IDS Item	4	Prop	
BLADE	LT10282NSB-5.3R	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
BLADE	LT10282NSB53R*1	PCP:BLADE UNIT, ALUM [3,1,1]	4	Prop	
BLADE	LT10282NSK-5.3R	IDS ITEM, BLADE, BOOT TBD	4	Prop	
SPINNER	C-3410-1P	SPINNER ASSEMBLY	1	Prop	For -5DL
SPINNER	C-3410-3P	IDS Item	1	Prop	For -5GL,JL
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-2	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H1188-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-7
DE-ICE KIT_PR	7931-65-165-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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mitsubishi

Model: MU-2B-40, -60
Trade Name:
Aircraft T.C./STC: A10SW
Propeller Model: HC-B4TN-5DL, -5GL, -5JL
Propeller T.C.: P40EA
Blade Model(s): LT10282NSB-5.3
Prop Diameter: 97.7"

IDS No.: 1299 **Rev.:** 2 **Date:** 9/12/2011
Modifier:
Engine: TPE331-10
Power: 715 HP @ 1591 RPM
Placard/Restr:
Notes: Reference Manual 139 for Airworthiness Limitations.

Prop Setup:

Ref. Radius: 30
Reverse Angle: -6.5 +/-0.5
Low Pitch Angle: NA

Startlock Angle: 2.5 +/-0.1
Feather/High Angle: 87.8 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	LT10282NSB-5.3R	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
SPINNER	C-3410-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3410-3P	IDS Item	1	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H1188-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-7
DE-ICE KIT_PR	7931-65-165-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

MONOCOUE

Model: 90AL-115
Trade Name:
Aircraft T.C./STC: STC-SA1017CE
Propeller Model: HC-C2YL-4F
Propeller T.C.:
Blade Model(s): FC7663
Prop Diameter: 76"

IDS No.: 651 **Rev.:** **Date:** 10/2/1992
Modifier: MURLIN SMITH
Engine: IO-320-E1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC7663	PCP:BLADE UNIT, ALUMINUM	2	Prop	
COUNTERWEIGHT	B-3202H-7	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

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MOONEY

Model: M20
Trade Name:
Aircraft T.C./STC: 2A3
Propeller Model: HC-82XL-1B, HC-82XL-1, HC-A2XL-1
Propeller T.C.: P24EA
Blade Model(s): 7636D
Prop Diameter: 76.2" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636D	BLADE	2	Prop	
SPINNER	835-30P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-322	BOLT,7/16-20,HEX HEAD	6	Prop	

IDS No.: 2204 **Rev.:** **Date:**

Modifier:
Engine: O-320
Power: 150 HP @ 2700 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 25.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: HAMILTON, WOODWARD

MOONEY

Model: M20
Trade Name:
Aircraft T.C./STC: 2A3
Propeller Model: HC-A2VL-1
Propeller T.C.: P24EA
Blade Model(s): V7636
V7636N
Prop Diameter: 76.2" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636	IDS ITEM	2	Prop	
BLADE	V7636N	BLADE	2	Prop	
SPINNER	835-30P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-322	BOLT,7/16-20,HEX HEAD	6	Prop	

IDS No.: 2317 **Rev.:** **Date:** 11/24/2003

Modifier:
Engine: O-320
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: HAMILTON, WOODWARD

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MOONEY

Model: M20
Trade Name:
Aircraft T.C./STC: 2A3
Propeller Model: HC-A2MVL-1
Propeller T.C.: P24EA
Blade Model(s): MV7636N
Prop Diameter: 76.2" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 652 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: O-320
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: HAMILTON, WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A22L1001	HC-A2MVL-1/MV7636N	1	A/C	
BLADE	MV7636N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-30P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-322	BOLT,7/16-20,HEX HEAD	6	Prop	

MOONEY

Model: M20
Trade Name:
Aircraft T.C./STC: STC-SA320GL
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F7666A-4Q
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.1 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 660 **Rev.:** **Date:** 10/2/1992

Modifier: JET ENTERPRISES
Engine: IO-360-A1A
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.3 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7666A-4Q	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-20	IDS Item	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M20TN
Trade Name: ACCLAIM
Aircraft T.C./STC: SA02482CH
Propeller Model: PHC-J3YF-1N
Propeller T.C.: P36EA

Blade Model(s): N7605C-2
 N7605CB-2
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.0+-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 3146 **Rev.:** **Date:** 2/13/2012

Modifier: MidWest Modifications LLC
Engine: TSIO-550-G-AP
Power: 310 HP @ 2700 RPM
Placard/Restr: Manifold Pressure limited to 34". Do not operate above 30.5" below 2500 RPM.

Notes: Refer to Service Letter HC-SL-61-265 for special instructions applicable to certain hub part numbers when TKS anti-ice is installed.

Startlock Angle:
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F80800	PHC-J3YF-1N/N7605C-2/SM40	1	A/C	
PROPELLER	J3F81000	PHC-J3YF-1N/N7605CB-2/SM40	1	A/C	
BLADE	N7605C-2	PCP:BLADE ASSY, COMPOSITE	3	Prop	
BLADE	N7605CB-2	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	A-2295-10	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-10P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-40	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-9	BOOT, ANTI-ICING	1	Blade	Incl. in N7605CB-2 Blade BOM
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (12")

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MOONEY

Model: M20TN
Trade Name: ACCLAIM
Aircraft T.C./STC: SA02482CH
Propeller Model: PHC-J3YF-1N
Propeller T.C.: P36EA

Blade Model(s): N7605-2
 N7605B-2
Prop Diameter: 76

IDS No.: 2769 **Rev.:** **Date:** 3/13/2008
Modifier: MidWest Modifications LLC
Engine: TSIO-550-G-AP
Power: 310 HP @ 2700 RPM
Placard/Restr: Manifold Pressure limited to 34". Do not operate above 30.5" below 2500 RPM.
Notes: Refer to Service Letter HC-SL-61-265 for special instructions applicable to certain hub part numbers when TKS anti-ice is installed.

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.2

Startlock Angle:
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F20800	PHC-J3YF-1N/N7605-2/SM40			
PROPELLER	J3F21000	PHC-J3YF-1N/N7605B-2/SM40			
BLADE	N7605-2	PCP:BLADE ASSY, COMPOSITE	3	Prop	
BLADE	N7605B-2	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	A-2295-10	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	A-2295-10P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-40	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-9	BOOT, ANTI-ICING	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (12")

MOONEY

Model: M20E, M20F
Trade Name:
Aircraft T.C./STC: SA09695AC
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920
Blade Model(s): F7497
Prop Diameter: 74" to 72.5"

IDS No.: 2922 **Rev.:** **Date:** 11/3/2009
Modifier: Alamo Aerospace
Engine: IO-390-A3A6
Power: 210 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 15.7 +/- 0.2

Startlock Angle:
Feather/High Angle: 29.0 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R10711	HC-C2YR-1BFP/F7497	1	A/C	
BLADE	F7497	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
SPINNER	835-20	IDS Item	1	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-54	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-835-33P	SPINNER ASSEMBLY	1	Prop	
SPINNER	A-835-54P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M20E, F, J
Trade Name:
Aircraft T.C./STC: SA09695AC
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA

Blade Model(s): F7282
Prop Diameter: 74" to 73"

IDS No.: 2898 **Rev.:** **Date:** 12/8/2009
Modifier: Alamo Aerospace
Engine: IO-390-A3A6
Power: 210 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation below 15 inches manifold pressure between 1950 and 2350 RPM.
Notes: Prop model for M20E,F and 835-47(P) spinner only. No mounting kit.
 Use A-2476-7 Spinner Mounting Kit with A-2295-4(P) Spinner only.

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.7 +/-0.1

Startlock Angle:
Feather/High Angle: 30.0+/- 0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00922	HC-C3YR-1RF/F7282	1	A/C	Prop for M20E,F
PROPELLER	C3R00923	HC-C3YR-1RF/F7282/SM7	1	A/C	Prop for M20J
BLADE	F7282	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-47	SPINNER ASSEMBLY, "CNC"	1	Prop	Spinner for M20E,F only
SPINNER	835-47P	SPINNER ASSEMBLY, "CNC"	1	Prop	Spinner for M20E,F only
SPINNER	A-2295-4	SPINNER ASSEMBLY, "CNC"	1	Prop	Spinner for M20J only
SPINNER	A-2295-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	Spinner for M20J only
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	For M20J (See Notes)
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MOONEY

Model: M20S
Trade Name: EAGLE
Aircraft T.C./STC: SA02988AT
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF-2*1
Prop Diameter: 78

IDS No.: 2527 **Rev.:** **Date:** 1/25/2005
Modifier: PowerLite LLC
Engine: IO-550-G
Power: 280 HP @ 2500 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +/-0.2

Startlock Angle: NA
Feather/High Angle: 38.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00056	PHC-J3YF-1RF/F7693DF-2[*1]/S40	1	A/C	
BLADE	F7693DF-2*1	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
SPINNER	A-2295-10P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-40	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M20A
Trade Name:
Aircraft T.C./STC: 2A3
Propeller Model: HC-92ZK-8D
Propeller T.C.: P892
Blade Model(s): 8447-12A
 8447N-12A
Prop Diameter: 71.6" TO 70"

Prop Setup:

Ref. Radius: 27
Reverse Angle: NA
Low Pitch Angle: 15.4 +-0.2

IDS No.: 653 **Rev.:** **Date:** 9/10/2004
Modifier:
Engine: O-360-A1A, -A1D
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.1 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8447-12A	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447N-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30P	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6	IDS Item	1	Prop	Superseded, use 835-30P
MTG BOLT/STUD	A-1333	BOLT, MOUNTING, 1/2-20, HEX HEAD	4	Prop	
MTG BOLT/STUD	A-1333-2	IDS Item	2	Prop	

MOONEY

Model: M20A,B,C,D,G
Trade Name:
Aircraft T.C./STC: 2A3
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74.0" TO 72.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 1171 **Rev.:** **Date:** 8/26/2006
Modifier:
Engine: O-360-A1A, -A1D, -A2D
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: EDO
 AIRE/MCCAULEY/WOODW
 ARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00048	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-20	IDS Item	1	Prop	REPLACED BY 835-33
SPINNER	835-33	SPINNER ASSEMBLY	1	A/C	
SPINNER	835-33P	SPINNER ASSEMBLY	1	A/C	
GOVERNOR	D1-6	GOVERNOR ASSEMBLY, D-1-()	1	A/C	
GOVERNOR	H1	GOVERNOR ASSEMBLY, H-1-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M20C, D, G
Trade Name:
Aircraft T.C./STC: STC-SA4529NM-D
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7282
Prop Diameter: 74.0" TO 73.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00021	HC-C3YR-1RF/F7282	1	A/C	
PROPELLER	C3R00021KD	HC-C3YR-1RF/F7282	1	A/C	
PROPELLER	C3R00021SKDTP*1	C3R00021/835-47P	1	A/C	
PROPELLER	C3R00021STP*1	C3R00021/835-47P	1	A/C	
BLADE	F7282	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-47	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-47P	SPINNER ASSEMBLY, "CNC"	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1394 **Rev.:** **Date:** 5/13/2010
Modifier: HARTZELL PROPELLER
Engine: O-360-A1A, A1D
Power: 180 HP @ 2700 RPM
Placard/Restr: Refer to STC and 8110-3
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-0.5
Cwt Angle:

Non-HPI Governor:

MOONEY

Model: M20C, D, E, F, G
Trade Name:
Aircraft T.C./STC: STC-SA4502NM

Propeller Model: HC-C2YK-1B(F)
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74.0" TO 72.5 "

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00045	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-20	IDS Item	1	Prop	Starter Ring Gear Mntd-no SMK
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	Starter Ring Gear Mntd-no SMK
GOVERNOR	H1	GOVERNOR ASSEMBLY, H-1-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 76 **Rev.:** **Date:** 11/9/2006
Modifier: PAUL E. LOEWEN
Engine: IO-360-A1A, -A1B, -A1B6, -A1B6D (-A1B6 OR -A1B6D, M20E & F)
Power: 200 HP @ 2700 RPM
Placard/Restr: With IO-360-A1A, A1B engines: Avoid continuous operation between 2000 and 2350 RPM.
Notes: H-1 governor is suitable only for use on IO-360-A1B6D model engine. Other engine models listed will require a different governor model.

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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MOONEY

Model: M20E,F
Trade Name:
Aircraft T.C./STC: STC-SA4529NM-D
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7282
Prop Diameter: 74.0" TO 73.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

IDS No.: 2450 **Rev.:** **Date:** 5/13/2010
Modifier: HARTZELL PROPELLER
Engine: IO-360-A1A
Power: 200 HP @ 2700 RPM
Placard/Restr: Refer to STC and 8110-3
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00920	HC-C3YR-1RF/F7282	1	A/C	
PROPELLER	C3R00920KD	HC-C3YR-1RF/F7282	1	A/C	
PROPELLER	C3R00920SKDTP	C3R00920/835-47P	1	A/C	
PROPELLER	C3R00920STP	C3R00920/835-47P	1	A/C	
BLADE	F7282	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-47	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-47P	SPINNER ASSEMBLY, "CNC"	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MOONEY

Model: M20E,F
Trade Name:
Aircraft T.C./STC: 2A3
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F7666-2
 F7666A-2
Prop Diameter: 74" TO 72.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +- 0.2

IDS No.: 655 **Rev.:** **Date:** 10/4/2004
Modifier:
Engine: IO-360-A1A
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes: "K" Flange approved.

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: MOONEY (M20F ONLY)

Non-HPI Governor: MCCAULEY/EDO AIRE

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R00025	HC-C2YR-1BF/F7666A-2	1	A/C	
BLADE	F7666-2	IDS Item	2	Prop	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-20	IDS Item	1	Prop	REPLACED BY 835-33
SPINNER	835-33	SPINNER ASSEMBLY	1	A/C	
SPINNER	835-33P	SPINNER ASSEMBLY	1	A/C	
GOVERNOR	D1-4	IDS Item	1	A/C	
GOVERNOR	D1-6	GOVERNOR ASSEMBLY, D-1-()	1	A/C	
GOVERNOR	H1	GOVERNOR ASSEMBLY, H-1-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M20E, F
Trade Name:
Aircraft T.C./STC: SA02414CH-D
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920

IDS No.: 2674 **Rev.:** 2 **Date:** 10/26/2010
Modifier: HARTZELL PROPELLER INC
Engine: IO-360-A1A
Power: 200 HP @ 2700 RPM
Placard/Restr: Continuous operation is prohibited above 24 inches manifold pressure between 2350 and 2550 RPM.

Blade Model(s): F7497*1
Prop Diameter: 74

Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 15.7 +-0.2

Startlock Angle:
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R10703	HC-C2YR-1BFP/F7497[*1]	1	A/C	
BLADE	F7497*1	PCP:BLADE UNIT, ALUM [6,16,11]	2	Prop	
SPINNER	103585	SPINNER ASSEMBLY, COMPOSITE	1	Prop	
SPINNER	835-54	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-54P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	835-58	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-58P	SPINNER ASSEMBLY, "CNC"	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MOONEY

Model: M20E, F
Trade Name:
Aircraft T.C./STC: STC-SA4529NM-D
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7282
Prop Diameter: 74.0" TO 73.0"

IDS No.: 1393 **Rev.:** **Date:** 5/13/2010
Modifier: HARTZELL PROPELLER
Engine: IO-360-A1A
Power: 200 HP @ 2700 RPM
Placard/Restr: Refer to STC and 8110-3

Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

Startlock Angle: NA
Feather/High Angle: 30.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00022	HC-C3YR-1RF/F7282	1	A/C	
PROPELLER	C3R00022KD	HC-C3YR-1RF/F7282	1	A/C	
BLADE	F7282	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-47	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-47P	SPINNER ASSEMBLY, "CNC"	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M20J
Trade Name:
Aircraft T.C./STC: 2A3
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F7666A-3Q
Prop Diameter: 73" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.1 +-0.1

IDS No.: 656 **Rev.:** **Date:** 11/22/2005

Modifier:
Engine: IO-360-A1B6D, -A3B6D
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.3 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00055	HC-C2YK-1BF/F7666A-3Q	1	A/C	
BLADE	F7666A-3Q	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MOONEY

Model: M20J
Trade Name:
Aircraft T.C./STC: STC-SA4529NM-D
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7282
Prop Diameter: 74.0" TO 73.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

IDS No.: 661 **Rev.:** **Date:** 5/13/2010

Modifier: HARTZELL PROPELLER
Engine: IO-360-A3B6(D), -A1B6D
Power: 200 HP @ 2700 RPM
Placard/Restr: Refer to AFMS
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00020	HC-C3YR-1RF/F7282/SM7	1	A/C	
PROPELLER	C3R00020KD	HC-C3YR-1RF/F7282/SM7	1	A/C	
PROPELLER	C3R00020SKDTP	C3R00020/SM7/A-2295-4P	1	A/C	
PROPELLER	C3R00020STP	C3R00020/SM7/A-2295-4P	1	A/C	
PROPELLER	C3R00022	HC-C3YR-1RF/F7282	1	A/C	
PROPELLER	C3R00022KD	HC-C3YR-1RF/F7282	1	A/C	
BLADE	F7282	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-4	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M20J
Trade Name: MISSILE
Aircraft T.C./STC: STC-SA00081SE
Propeller Model: PHC-C3YF-2UF
Propeller T.C.: P25EA
Blade Model(s): FC7382
Prop Diameter: 75.0" TO 73.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 662 **Rev.:** **Date:** 11/9/2006
Modifier: STC/MOONEY LIMITED (ROCKET)
Engine: IO-550-A
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Use template

Startlock Angle: 19.5 +-1.5
Feather/High Angle: 79.1 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00250	PHC-C3YF-2UF/FC7382/SM6	1	A/C	
BLADE	FC7382	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-3273-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-2 Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-12 Hub Only

MOONEY

Model: M20K
Trade Name:
Aircraft T.C./STC: 2A3
Propeller Model: BHC-J2YF-1BF
Propeller T.C.: P37EA
Blade Model(s): F8459A-11Q
Prop Diameter: 73" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.7 +-0.1

IDS No.: 657 **Rev.:** **Date:** 10/22/2008
Modifier:
Engine: TSIO-360-G1B, GB3, GB4, LB1, MB1
Power: 210 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J2F00008	BHC-J2YF-1BF/F8459A-11Q/SM19			
BLADE	F8459A-11Q	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2295	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M20K
Trade Name: 231, 252
Aircraft T.C./STC: STC-SA1505GL
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7663
 F7663A-2R
 F7663A-2R*1
 F7663A-2R*2
 F7663AK-2R
 F7663AK-2R*1
 F7663AK-2R*3

IDS No.: 659 **Rev.:** 1 **Date:** 5/30/2012
Modifier: HARTZELL PROPELLER
Engine: TSIO-360-GB
Power: 210 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Diameter: 76.0" TO 74.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00010	PHC-J3YF-1RF/F7663A-2R[*2]/SM7	1	A/C	
PROPELLER	J3F00010KD	PHC-J3YF-1RF/F7663A-2R[*2]/SM7	1	A/C	
PROPELLER	J3F00010SKDTP	J3F00010/SM7/A-2295-1P	1	A/C	
PROPELLER	J3F00010STP	J3F00010/SM7/A-2295-1P	1	A/C	
PROPELLER	J3F00047	PHC-J3YF-1RF/F7663AK-2R[*1]SM7	1	A/C	
PROPELLER	J3F00047KD	PHC-J3YF-1RF/F7663AK-2R[*1]SM7	1	A/C	
PROPELLER	J3F00047SKDTP	J3F00047/SM7/A-2295-2P/DE-ICE	1	A/C	
PROPELLER	J3F00047STP	J3F00047/SM7/A-2295-2P/DE-ICE	1	A/C	
PROPELLER	J3F00049	PHC-J3YF-1RF/F7663AK-2R[*3]SM7	1	A/C	
PROPELLER	J3F00049KD	PHC-J3YF-1RF/F7663AK-2R[*3]SM7	1	A/C	
PROPELLER	J3F00049SKDTP	J3F00049/SM7/A-2295-2P/DE-ICE	1	A/C	
PROPELLER	J3F00049STP	J3F00049/SM7/A-2295-2P/DE-ICE	1	A/C	
BLADE	F7663	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F7663A-2R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F7663A-2R*1	IDS Item	3	Prop	
BLADE	F7663A-2R*2	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	Supersedes F7663A-2R/this inst
BLADE	F7663AK-2R	PCP:BLADE UNIT,ALUM, 4H2200-3	3	Prop	
BLADE	F7663AK-2R*1	PCP:BLADE UNIT,ALUM 4H2351-3	3	Prop	
BLADE	F7663AK-2R*3	PCP:BLADE UNIT,ALUM 4H2200-3	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-2	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-2P	SPINNER ASSEMBLY, "CNC"	1	Prop	w/ De-ice
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	2H1291	STRAP, RESTRAINER, DE-ICE	1	Blade	Blade component(on booted bld)
DE-ICER	4H2200-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-3
DE-ICER	4H2351-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2351-3
DE-ICE KIT_PR	7931-67-750-1	DE-ICE KIT (ONE PROP)	1	Prop	28V,Included w/J3F00049S(KD)TP
DE-ICE KIT_PR	7931-67-805-1	DE-ICE KIT (ONE PROP)	1	Prop	12V
DE-ICE KIT_A/F	7931-67-750-2	AIRFRAME DE-ICE KIT	1	A/C	28V,Included w/J3F00049S(KD)TP
DE-ICE KIT_A/F	7931-67-805-2	AIRFRAME DE-ICE KIT	1	A/C	12V
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M20L
Trade Name: PFM
Aircraft T.C./STC: 2A3
Propeller Model: BHC-J2YF-1C
Propeller T.C.: P37EA
Blade Model(s): B7421
Prop Diameter: 74" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.3 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 658 **Rev.:** 1 **Date:** 9/9/2011
Modifier:
Engine: PFM-3200#3
Power: 217 HP @ 2343 RPM
Placard/Restr:
Notes: Reference Manual 145 for Airworthiness Limitations.

Startlock Angle: NA
Feather/High Angle: 40.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	B7421	PCP:BLADE ASSY, COMPOSITE	2	Prop	
SPINNER	D-5413-P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M20R
Trade Name: OVATION
Aircraft T.C./STC: SA02004CH
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF-2*1
 F7693DFB-2
Prop Diameter: 76" TO 75"

IDS No.: 1981 **Rev.:** **Date:** 3/21/2007
Modifier: HARTZELL PROPELLER INC.
Engine: IO-550-G
Power: 280 HP @ 2500 RPM
Placard/Restr:
Notes: ANTI-ICE; *Hub clamping bolts which hold the TKS brackets in place, must be installed with the head of the bolt on the engine side of hub on smooth forged hubs.

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +-0.2

Startlock Angle: NA
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F00056	PHC-J3YF-1RF/F7693DF-2[*1]/S40	1	A/C	
PROPELLER	J3F00056KD	PHC-J3YF-1RF/F7693DF-2[*1]/S40	1	A/C	
PROPELLER	J3F00056SKDTP	J3F00056/SM40/A-2295-10P	1	A/C	
PROPELLER	J3F00056STP	J3F00056/SM40/A-2295-10P	1	A/C	
PROPELLER	J3F09100	PHC-J3YF-1RF/F7693DFB-2/SM40	1	A/C	
PROPELLER	J3F09105S	PHC-J3YF-1RF/F7693DFB-2/SM40	1	A/C	
PROPELLER	J3F09105SKD	PHC-J3YF-1RF/F7693DFB-2/SM40	1	A/C	
PROPELLER	J3F09105SKDTP	PHC-J3YF-1RF/F7693DFB-2/SM40	1	A/C	
PROPELLER	J3F09105STP	PHC-J3YF-1RF/F7693DFB-2/SM40	1	A/C	
BLADE	F7693DF-2*1	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
BLADE	F7693DFB-2	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-10	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	A-2295-10P	SPINNER ASSEMBLY, "CNC"	1	A/C	
GOVERNOR	S-1-3	GOVERNOR ASSEMBLY, S-1-3	1	A/C	New Governor Model
SPIN MTG KIT	A-2476-40	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-11	BOOT, ANTI-ICING	1	Blade	
DE-ICE KIT_PR	7931-08151-25	ANTI-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M20(R, S)
Trade Name: OVATION & EAGLE
Aircraft T.C./STC: SA02193CH
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF-2*1
F7693DFB-2
Prop Diameter: 78"

IDS No.: 2606 **Rev.:** 1 **Date:** 3/5/2013

Modifier: Midwest Modifications LLC

Engine: IO-550-G-AP

Power: 310 HP @ 2700 RPM

Placard/Restr:

Notes: ANTI-ICE: * Hub clamping bolts which hold the TKS bracket in place must be installed with head of the bolt on engine side of hub on smooth forged hubs.

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.2

Startlock Angle:

Feather/High Angle: 38.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F09071	PHC-J3YF-1RF/F7693DF-2[*1/SM40	1	A/C	
PROPELLER	J3F09106	PHC-J3YF-1RF/F7693DFB-2/SM40	1	A/C	
BLADE	F7693DF-2*1	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
BLADE	F7693DFB-2	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-10P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-40	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-11	BOOT, ANTI-ICING	1	Blade	
DE-ICE KIT_PR	7931-08151-25	ANTI-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M20(R,S)
Trade Name: OVATION & EAGLE
Aircraft T.C./STC: SA02482CH
Propeller Model: PHC-J3YF-1N
Propeller T.C.: P36EA
Blade Model(s): N7605C-2
 N7605CB-2
Prop Diameter: 76"

IDS No.: 3147 **Rev.:** **Date:** 2/13/2012
Modifier: MidWest Modifications LLC
Engine: IO-550-G-AP
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes: Refer to Service Letter HC-SL-61-265 for special instructions applicable to certain hub part numbers when TKS anti-ice is installed.

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.2

Startlock Angle:
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F80800	PHC-J3YF-1N/N7605C-2/SM40	1	A/C	
PROPELLER	J3F81000	PHC-J3YF-1N/N7605CB-2/SM40	1	A/C	
BLADE	N7605C-2	PCP:BLADE ASSY, COMPOSITE	3	Prop	
BLADE	N7605CB-2	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	A-2295-10	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-10P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-40	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-9	BOOT, ANTI-ICING	1	Blade	Incl. in N7605CB-2 blade BOM
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (12")

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MOONEY

Model: M20(R,S)
Trade Name: OVATION & EAGLE
Aircraft T.C./STC: SA02482CH
Propeller Model: PHC-J3YF-1N
Propeller T.C.: P36EA
Blade Model(s): N7605-2
 N7605B-2
Prop Diameter: 76

IDS No.: 2671 **Rev.:** **Date:** 3/13/2008
Modifier: MidWest Modifications LLC
Engine: IO-550-G-AP
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes: Refer to Service Letter HC-SL-61-265 for special instructions applicable to certain hub part numbers when TKS anti-ice is installed.

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.0 +-0.2

Startlock Angle:
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F20800	PHC-J3YF-1N/N7605-2/SM40			
PROPELLER	J3F21000	PHC-J3YF-1N/N7605B-2/SM40			
BLADE	N7605-2	PCP:BLADE ASSY, COMPOSITE	3	Prop	
BLADE	N7605B-2	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	A-2295-10	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	A-2295-10P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-40	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-9	BOOT, ANTI-ICING	1	Blade	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (12")

MOONEY

Model: M20TN
Trade Name: ACCLAIM
Aircraft T.C./STC: TBD
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7693DF-2*1
Prop Diameter: 76

IDS No.: 2567 **Rev.:** **Date:** 8/26/2006
Modifier:
Engine: TSIO-550-G
Power: 280 HP @ 2500 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 16.5 +-0.2

Startlock Angle:
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J3F00056	PHC-J3YF-1RF/F7693DF-2[*1]/S40	1	A/C	
PROPELLER	J3F00056KD	PHC-J3YF-1RF/F7693DF-2[*1]/S40	1	A/C	
BLADE	F7693DF-2*1	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
SPINNER	A-2295-10	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-10P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	S-1-3	GOVERNOR ASSEMBLY, S-1-3	1	A/C	
SPIN MTG KIT	A-2476-40	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M22
Trade Name: MUSTANG
Aircraft T.C./STC: A6SW
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8475-4
Prop Diameter: 80" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

IDS No.: 663 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: TIO-541-A1A
Power: 310 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 40.5 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8475-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-5	IDS Item	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MOONEY

Model: M20(A-D,G)
Trade Name:
Aircraft T.C./STC: SA02414CH-D
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920
Blade Model(s): F7497*1
Prop Diameter: 74"-72.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 14.8 +-0.2

IDS No.: 2718 **Rev.:** 2 **Date:** 10/26/2010

Modifier: HARTZELL PROPELLER INC
Engine: O-360-A1(A,D)
Power: 180 HP @ 2700 RPM
Placard/Restr: None
Notes:

Startlock Angle:
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R10704	HC-C2YR-1BFP/F7497[*1]	1	A/C	
BLADE	F7497*1	PCP:BLADE UNIT, ALUM [6,16,11]	2	Prop	
SPINNER	103585	SPINNER ASSEMBLY, COMPOSITE	1	Prop	
SPINNER	835-54	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-54P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-58	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-58P	SPINNER ASSEMBLY, "CNC"	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M20J
Trade Name:
Aircraft T.C./STC: SA02414CH-D
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920
Blade Model(s): F7497*1
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 15.7 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2720 **Rev.:** 2 **Date:** 10/19/2010

Modifier: HARTZELL PROPELLER INC
Engine: IO-360-A(1,3)B6D, A3B6
Power: 200 HP @ 2700 RPM
Placard/Restr: None
Notes:

Startlock Angle:
Feather/High Angle: 29.0 +/-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R10705	HC-C2YR-1BFP/F7497[*1]/SM10	1	A/C	
BLADE	F7497*1	PCP:BLADE UNIT, ALUM [6,16,11]	2	Prop	
SPINNER	A-2295-5	SPINNER ASSEMBLY	1	A/C	
SPINNER	A-2295-5P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-10*	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MOONEY

Model: M20J
Trade Name:
Aircraft T.C./STC: SA09695AC
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920
Blade Model(s):
Prop Diameter: 74" to 72.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 15.7 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2923 **Rev.:** **Date:** 11/4/2009

Modifier: Alamo Aerospace
Engine: IO-390-A3A6
Power: 210 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 29.0 +/- 1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R10710	HC-C2YR-1BFP/F7497/SM19	1	Blade	
PROPELLER	F7497	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
SPINNER	A-2295-5	SPINNER ASSEMBLY	1	Prop	
SPINNER	A-2295-5P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M20R,S, TN
Trade Name:
Aircraft T.C./STC: SA03024CH
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7498*1
 F7498B*1
Prop Diameter: 76" to 74"

IDS No.: 3177 **Rev.:** 2 **Date:** 10/29/2012
Modifier: Minnis Aviation
Engine: IO-550-G-PL, IO-550-N, TSIO-550-G
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes: IO-550-G-PL engine modified per STC SE02930AT. ANTI ICE; Hub clamping bolts that hold the TKS brackets in place must be installed with the head of the bolt on the engine side of the hub on smooth forged hubs."

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 16.5 +/-0.2

Startlock Angle:
Feather/High Angle: 38.0 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F07507	PHC-J3YF-1RF/F7498[*1]/SM40	1	A/C	
PROPELLER	J3F07550	PHC-J3YF-1RF/F7498B[*1]/SM40	1	A/C	
PROPELLER	J3F07551	PHC-J3YF-1RF/F7498B[*1]/SM40	1	A/C	
PROPELLER	J3F07551KD	PHC-J3YF-1RF/F7498B[*1]/SM40	1	A/C	
BLADE	F7498*1	PCP:BLADE UNIT, ALUM [6,1,11]	3	Prop	
BLADE	F7498B*1	PCP:BLADE UNIT, ALUM [6,1,11]	3	Prop	
SPINNER	A-2295-10	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-10P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-40	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-11	BOOT, ANTI-ICING	1	Blade	
DE-ICE KIT_PR	7931-08151-25	ANTI-ICE KIT (ONE PROP)	1	Prop	Included in Props J3F07551 AND J3F07551KD
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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MOONEY

Model: M20TN
Trade Name: ACCLAIM
Aircraft T.C./STC: 2A3
Propeller Model: PHC-J3YF-1RF
Propeller T.C.: P36EA
Blade Model(s): F7498
F7498*1
Prop Diameter: 76 to 74

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 17.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J3F07505	PHC-J3YF-1RF/F7498/SM40	1	A/C	
PROPELLER	J3F07505KD	PHC-J3YF-1RF/F7498/SM40	1	A/C	
PROPELLER	J3F07506	PHC-J3YF-1RF/F7498[*1]/SM40			
PROPELLER	J3F07506KD	PHC-J3YF-1RF/F7498[*1]/SM40	1	A/C	
BLADE	F7498	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
BLADE	F7498*1	PCP:BLADE UNIT, ALUM [6,1,11]	3	Prop	
SPINNER	A-2295-10	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	A-2295-10P	SPINNER ASSEMBLY, "CNC"	1	A/C	
GOVERNOR	S-1-3	GOVERNOR ASSEMBLY, S-1-3	1	A/C	
SPIN MTG KIT	A-2476-40	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2744 **Rev.:** 1 **Date:** 11/7/2011
Modifier:
Engine: TSIO-550-G
Power: 280 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Governor:

MORANE SAULNIER

Model: see AEROSPATIALE
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 664 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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MORAVAN

Model: 242L
Trade Name: ZLIN
Aircraft T.C./STC: A76EU
Propeller Model: HC-C3YR-4BF
Propeller T.C.: P25EA
Blade Model(s): FC6890
Prop Diameter: 70" TO 69"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1307 **Rev.:** **Date:** 9/23/2004

Modifier:
Engine: AEIO-360-A1B6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00240	HC-C3YR-4BF/FC6890/SM9			
PROPELLER	C3R00240KD	HC-C3YR-4BF/FC6890/SM9			
BLADE	FC6890	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-5205-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-56	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-7	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MORAVAN

Model: Z-42
Trade Name: ZLIN
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YL-1B
Propeller T.C.: P-920
Blade Model(s): F7663A-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 665 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: AIO-320
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.0 +-2.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

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MORAVAN

Model: 526L
Trade Name: ZLIN
Aircraft T.C./STC: A30EU
Propeller Model: HC-C2YK-4
Propeller T.C.:
Blade Model(s): FC7666A-2
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 667 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: AIO-360-B1B
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.2 +-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	C-2513-5	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MUDRY

Model: CAP 21
Trade Name:
Aircraft T.C./STC: UNKNOWN
Propeller Model: HC-C2YK-4BF
Propeller T.C.: P-920

Blade Model(s): FC7666A-2
Prop Diameter: 74

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2587 **Rev.:** **Date:** 7/28/2005

Modifier:
Engine: AEIO-360-A1B
Power: 200 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2350 RPM. Avoid continuous operation above 2600 RPM in aerobatic flight.
Notes:

Startlock Angle:
Feather/High Angle: 28.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00570	HC-C2YK-4BF/FC7666A-2	1	A/C	
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	C-2513-5	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2513-5P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MULTITECH (TEMCO)

Model: D16
Trade Name: TWIN NAVION
Aircraft T.C./STC: 2A1
Propeller Model: HC-82XL-2, HC-A2XL-2
Propeller T.C.: P24EA
Blade Model(s):
Prop Diameter: 74.2" TO 72.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2206 Rev.: Date:

Modifier:
Engine: O-290-D2A
Power: 140 HP @ 2750 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 78.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: HAMILTON, WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

MULTITECH (TEMCO)

Model: D16
Trade Name: TWIN NAVION
Aircraft T.C./STC: 2A1
Propeller Model: HC-82XL-2, HC-A2XL-2
Propeller T.C.: P24EA
Blade Model(s):
Prop Diameter: 74.2" TO 72.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.3 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2205 Rev.: Date:

Modifier:
Engine: O-320-A1A
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 78.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: HAMILTON, WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

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MULTITECH (TEMCO)

Model: D16
Trade Name: TWIN NAVION
Aircraft T.C./STC: 2A1
Propeller Model: HC-A2MVL-2
Propeller T.C.: P24EA
Blade Model(s): MV7636N-2
Prop Diameter: 74.2" TO 72.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 671 Rev.: Date: 5/17/1998

Modifier:
Engine: O-290-D2A
Power: 140 HP @ 2750 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 78.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: HAMILTON, WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV7636N-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

MULTITECH (TEMCO)

Model: D16
Trade Name: TWIN NAVION
Aircraft T.C./STC: 2A1
Propeller Model: HC-A2MVL-2
Propeller T.C.: P24EA
Blade Model(s): MV7636N-2
Prop Diameter: 74.2" TO 72.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.3 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 670 Rev.: Date: 6/13/2006

Modifier:
Engine: O-320-A1A
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 78.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: HAMILTON, WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV7636N-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

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MULTITECH (TEMCO)

Model: D16A, D16
Trade Name: TWIN NAVION
Aircraft T.C./STC: 2A1
Propeller Model: HC-82VL-2, HC-A2VL-2
Propeller T.C.: P24EA
Blade Model(s): V8433N-12
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.1 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2207 **Rev.:** **Date:**
Modifier:
Engine: O-340-A1A
Power: 170 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: HAMILTON, WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433N-12	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	Modified see T.C.
MTG BOLT/STUD	B-6489-20	BOLT,7/16-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

MULTITECH (TEMCO)

Model: D16A, D16
Trade Name: TWIN NAVION
Aircraft T.C./STC: 2A1
Propeller Model: HC-A2MVL-2
Propeller T.C.: P24EA
Blade Model(s): MV8433N-12
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.1 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 672 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: O-340-A1A
Power: 170 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: HAMILTON, WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A2L10040	HC-A2MVL-2/MV8433N-12	2	A/C	
BLADE	MV8433N-12	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	Modified see T.C.
MTG BOLT/STUD	B-6489-20	BOLT,7/16-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

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MURPHY AIRCRAFT MFG.

Model: YUKON
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920

IDS No.: 2714 **Rev.:** **Date:** 6/14/2007
Modifier:
Engine: IO-390-X
Power: 210 HP @ 2700 RPM
Placard/Restr: Continuous operation is prohibited above 24" manifold pressure below 2250 RPM, and below 8" manifold pressure between 1950 and 2300 RPM.

Blade Model(s): F8477-4
Prop Diameter: 80

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 10.5 +-0.2

Startlock Angle:
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R11250	HC-C2YR-1BFP/F8477-4/SM19	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MURPHY AIRCRAFT MFG. LTD

Model: MOOSE
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YR-1RLFX
Propeller T.C.:
Blade Model(s): FJ9587CX
Prop Diameter: 97"

IDS No.: 1843 **Rev.:** 1 **Date:** 12/13/2010
Modifier: GESOCO INDUSTRIES INC.
Engine: M14P
Power: 360 HP @ 1908 RPM
Placard/Restr:
Notes: Left hand tractor configuration; Remove TC and PC from hub and blades

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 17.0 +-0.2

Startlock Angle:
Feather/High Angle: 39.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00135X	HC-C3YR-1RLFX/FJ9587CX/SM5	1	A/C	
BLADE	FJ9587CX	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-7709	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V-3-21X	GOVERNOR ASSEMBLY, V-3-()	1	A/C	
SPIN MTG KIT	A-2476-5	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MURPHY AIRCRAFT MFG. LTD

Model: SR2500
Trade Name: SUPER REBEL
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-2R
Prop Diameter: 84" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.3 +- 0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1608 **Rev.:** **Date:** 1/21/1999

Modifier:
Engine: IO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +- 1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8468A-2R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V5-4	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MURPHY AIRCRAFT MFG. LTD

Model: SR2500
Trade Name: SUPER REBEL
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-2R
Prop Diameter: 84" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.3 +- 0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1626 **Rev.:** **Date:** 3/12/1999

Modifier:
Engine: O-540-A4A5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +- 1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00054	HC-C3YR-1RF/F8468A-2R/SM7	1	A/C	
BLADE	F8468A-2R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V3-5	GOVERNOR ASSEMBLY, V-3-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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MURPHY AIRCRAFT MFG. LTD.

Model: SR2500
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.2 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1538 **Rev.:** **Date:** 7/14/1998

Modifier:
Engine: (I)O-360-(A,B,C) SERIES
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes: Must use C-1576 damper assembly

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

MURPHY AIRCRAFT MFG. LTD.

Model: SR2500
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8477
Prop Diameter: 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00070	HC-C2YR-1BF/F8477/SM19	1	A/C	
BLADE	F8477	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V3-5	GOVERNOR ASSEMBLY, V-3-()	1	A/C	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1308 **Rev.:** **Date:** 1/29/1997

Modifier:
Engine: O-540-A4A5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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MUSTANG AERONAUTICS

Model: MUSTANG II
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F7663A-4
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00046	HC-C2YL-1BF/F7663A-4/SM8	1	A/C	
BLADE	F7663A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2297-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

IDS No.: 2473 **Rev.:** **Date:** 4/14/2004

Modifier:
Engine: IO-320
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

MUSTANG AERONAUTICS

Model: MUSTANG II
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YL-1F
Propeller T.C.: P27EA
Blade Model(s): F7663A-4
Prop Diameter: 70", 73"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2L00041	HC-F2YL-1F/F7663A-4	1	A/C	
BLADE	F7663A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	C-4565	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F2-7AZ	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

IDS No.: 1634 **Rev.:** **Date:** 4/14/2004

Modifier:
Engine: IO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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MUSTANG AERONAUTICS

Model: MUSTANG II
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +/-0.2

IDS No.: 1635 **Rev.:** **Date:** 3/24/1999
Modifier: MUSTANG AERONAUTICS
Engine: IO-360 SERIES
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 35.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00011	HC-C2YK-1BF/F7666A-2/SM8	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2297-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

MXR

Model: MX-R / MX-S
Trade Name:
Aircraft T.C./STC: EXPERIMENTAL
Propeller Model: HC-C3YR-1A
Propeller T.C.: P25EA
Blade Model(s): 7690E
Prop Diameter: 78" No cut-off

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 11.6 +/- 0.1

IDS No.: 2872 **Rev.:** **Date:** 6/29/2009
Modifier:
Engine: AEIO-540
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00014	HC-C3YR-1A/7690E/SM34	1	A/C	
BLADE	7690E	PCP:BLADE ASSY, COMP [3,1,1]	3	Prop	
SPINNER	D-7409	SPINNER ASSEMBLY, COMPOSITE	1	Prop	
DE-ICE KIT_PR	A-2476-34	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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NANCHANG

Model: N-5
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8475R
Prop Diameter: 86"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00091	HC-C3YR-1RF/F8475R/SM7	1	A/C	
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 673 **Rev.:** **Date:** 2/9/1990

Modifier:
Engine: IO-720-D1B
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor:

NARDI

Model: FN-333
Trade Name: LANE-SIAI RIVIERA
Aircraft T.C./STC: 7A5
Propeller Model: not procurable
Propeller T.C.:
Blade Model(s):
Prop Diameter: 78.6" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -14.5 +-0.5
Low Pitch Angle: 12.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
SPINNER	835-11S	SPINNER ASSEMBLY	1	Prop	

IDS No.: 674 **Rev.:** **Date:** 5/17/1998

Modifier:
Engine: IO-470-P
Power: 250 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.5
Cwt Angle: Positive

Non-HPI Governor:

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NARDI

Model: FN-333
Trade Name: LANE-SIAI RIVIERA
Aircraft T.C./STC: 7A5
Propeller Model: HC-A2X20-5L, HC-82X20-5L
Propeller T.C.: P24EA
Blade Model(s):
Prop Diameter: 84" TO 81"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -14.0 +-0.5
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2208 **Rev.:** **Date:**

Modifier:
Engine: IO-470-P
Power: 250 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
SPINNER	835-17	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

NARDI

Model: FN-333
Trade Name: LANE-SIAI RIVIERA
Aircraft T.C./STC: 7A5
Propeller Model: HC-A2MV20-5L
Propeller T.C.: P24EA
Blade Model(s): LMV8433N
Prop Diameter: 84" TO 81"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -14.0 +-0.5
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 675 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: IO-470-P
Power: 250 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A2210201	HC-A2MV20-5L/LMV8433N	1	A/C	
BLADE	LMV8433N	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-17	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: not procurable
Propeller T.C.:
Blade Model(s):
Prop Diameter: 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.7 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
COUNTERWEIGHT	833-6	IDS Item	1	Blade	3 5/8"

IDS No.: 676 **Rev.:** **Date:** 5/17/1998

Modifier:
Engine: E-185-3
Power: 185 HP @ 2300 RPM
Placard/Restr:
Notes: Engine S/N 5122D and up

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor: NONE

NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: not procurable
Propeller T.C.:
Blade Model(s):
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 681 **Rev.:** **Date:** 10/7/1998

Modifier:
Engine: E-185-3, -9
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 23.0
Cwt Angle: Positive

Non-HPI Governor:

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NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: not procurable
Propeller T.C.:
Blade Model(s):
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 679 **Rev.:** **Date:** 10/7/1998

Modifier:
Engine: E-185-3, -9
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.5
Cwt Angle: Positive

Non-HPI Governor:

NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: HC-D2X20-7, HC-D2X20-8
Propeller T.C.: P48GL
Blade Model(s): 8433
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2299 **Rev.:** **Date:**

Modifier:
Engine: E-185-3, -9
Power: 185 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 23.5 MIN
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	
GOVERNOR	A1	IDS Item	1	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: HC-D2V20-7, HC-D2V20-8
Propeller T.C.: P48GL
Blade Model(s): V8433
V8433N
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +0.2

IDS No.: 2300 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: E-185-3, -9
Power: 185 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 23.5 MIN
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	
GOVERNOR	A1	IDS Item	1	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: HC-D2MV20-(7,8)
Propeller T.C.: P48GL
Blade Model(s): MV8433N
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +0.2

IDS No.: 1560 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: E-185-3, -9
Power: 185 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 23.5 MIN
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D2210015	HC-D2MV20-7/MV8433N/LESS HYD.	1	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
GOVERNOR	A1	IDS Item	1	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: STC-SA1-635
Propeller Model: HC-82X20-4A1, HC-A2X20-4A1
Propeller T.C.: P24EA
Blade Model(s): 8433
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433	BLADE	2	Prop	
SPINNER	837-6	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	A1-C	GOVERNOR ASSEMBLY, A-1-()	1	A/C	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
CWT_SLUG	A-619-3	SLUG, COUNTERWEIGHT	2	Blade	
MTG BOLT/STUD	A-2053	PCP:NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2215 **Rev.:** **Date:** 11/21/2003

Modifier: HARTZELL PROPELLER

Engine: E-185

Power: 205 HP @ 2600 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: 26.5 +0.5

Cwt Angle: Positive

Non-HPI Governor:

NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: STC-SA1-635
Propeller Model: HC-82X20-4A1, HC-A2X20-4A1
Propeller T.C.: P24EA
Blade Model(s): 8433
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433	BLADE	2	Prop	
SPINNER	837-6	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	A1-C	GOVERNOR ASSEMBLY, A-1-()	1	A/C	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
CWT_SLUG	A-619-4	SLUG, COUNTERWEIGHT	2	Blade	
MTG BOLT/STUD	A-2053	PCP:NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2216 **Rev.:** **Date:** 11/21/2003

Modifier: HARTZELL PROPELLER

Engine: E-185-3, -9

Power: 205 HP @ 2600 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 26.5 +0.5

Cwt Angle: Positive

Non-HPI Governor:

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NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: STC-SA1-635
Propeller Model: HC-A2MV20-4A1
Propeller T.C.: P24EA
Blade Model(s): MV8433N
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 687 **Rev.:** 2 **Date:** 1/7/2011
Modifier: HARTZELL PROPELLER
Engine: E-185
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 26.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	837-6	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	A1-C	GOVERNOR ASSEMBLY, A-1-()	1	A/C	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
CWT_SLUG	A-619-1	SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3840-6	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-2053	PCP:NUT,SHAFT,20 SPLINE	1	Prop	

NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: STC-SA1-635
Propeller Model: HC-A2MV20-4A1
Propeller T.C.: P24EA
Blade Model(s): MV8433N
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 688 **Rev.:** 2 **Date:** 1/7/2011
Modifier: HARTZELL PROPELLER
Engine: E-185-3, -9
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A2210041	HC-A2MV20-4A1/MV8433N/A224-4	1	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	837-6	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	A1-C	GOVERNOR ASSEMBLY, A-1-()	1	A/C	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
CWT_SLUG	A-619-1	SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3840-6	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-2053	PCP:NUT,SHAFT,20 SPLINE	1	Prop	

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NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: STC-SA1-635
Propeller Model: HC-82X20-4A1, HC-A2X20-4A1
Propeller T.C.: P24EA
Blade Model(s): 8433
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433	BLADE	2	Prop	
SPINNER	837-6	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	A1-C	GOVERNOR ASSEMBLY, A-1-()	1	A/C	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
CWT_SLUG	A-619-1	SLUG, COUNTERWEIGHT	2	Blade	
MTG BOLT/STUD	A-2053	PCP:NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2217 Rev.: Date: 11/21/2003

Modifier: HARTZELL PROPELLER

Engine: E-225-4

Power: 224 HP @ 2600 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: 26.5 +-0.5

Cwt Angle: Positive

Non-HPI Governor:

NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: STC-SA1-635
Propeller Model: HC-A2X20-4A1
Propeller T.C.: P24EA
Blade Model(s): 8433
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433	BLADE	2	Prop	
SPINNER	837-6	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
CWT_SLUG	A-619-2	SLUG, COUNTERWEIGHT	2	Blade	
MTG BOLT/STUD	A-2053	PCP:NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2213 Rev.: Date: 11/21/2003

Modifier: HARTZELL PROPELLER

Engine: E-225-4

Power: 225 HP @ 2650 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: 26.5 +-0.5

Cwt Angle: Positive

Non-HPI Governor:

HARTZELL

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NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: STC-SA1-635
Propeller Model: HC-A2V20-4A1
Propeller T.C.: P24EA
Blade Model(s): V8433
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433	BLADE	2	Prop	
SPINNER	837-6	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
CWT_SLUG	A-619-2	SLUG, COUNTERWEIGHT	2	Blade	
MTG BOLT/STUD	A-2053	PCP:NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2214 **Rev.:** **Date:** 11/21/2003

Modifier: HARTZELL PROPELLER

Engine: E-225-4

Power: 225 HP @ 2650 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: 26.5 +-0.5

Cwt Angle: Positive

Non-HPI Governor:

NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: STC-SA1-635
Propeller Model: HC-A2MV20-4A1
Propeller T.C.: P24EA
Blade Model(s): MV8433N
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A2210043	HC-A2MV20-4A1/MV8433N/A224-4	1	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	837-6	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
CWT_SLUG	A-619-1	SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3840-6	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-2053	PCP:NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 686 **Rev.:** 2 **Date:** 1/7/2011

Modifier: HARTZELL PROPELLER

Engine: E-225-4

Power: 225 HP @ 2650 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: 26.5 +-0.5

Cwt Angle: Positive

Non-HPI Governor:

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NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: STC-SA1-635
Propeller Model: HC-A2MV20-4A1
Propeller T.C.: P24EA
Blade Model(s): MV8433N
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	837-6	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	A1-C	GOVERNOR ASSEMBLY, A-1-()	1	A/C	
GOVERNOR	C-137-1B	T - DRIVE - ASSEMBLY	1	A/C	T Drive
CWT_SLUG	A-619-1	SLUG, COUNTERWEIGHT	2	Blade	
MTG BOLT/STUD	A-2053	PCP:NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 689 **Rev.:** 1 **Date:** 1/7/2011
Modifier: HARTZELL PROPELLER
Engine: E-225-4
Power: 224 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 26.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: STC-SA4-118
Propeller Model: HC-12X20-7, HC-D2X20-7, HC-12X20-7C
Propeller T.C.: P48GL
Blade Model(s): 8433
Prop Diameter: 84.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	

IDS No.: 2218 **Rev.:** **Date:** 11/21/2003
Modifier: ROBERT DOUTHIT
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: STC-SA4-118
Propeller Model: HC-12V20-7, HC-D2V20-7,
HC12V20-7C
Propeller T.C.: P48GL
Blade Model(s): V8433
V8433N
Prop Diameter: 84.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	

IDS No.: 2219 Rev.: Date: 11/21/2003

Modifier: ROBERT DOUTHIT

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle:

Cwt Angle:

Non-HPI Governor:

NAVION

Model: NAVION
Trade Name:
Aircraft T.C./STC: STC-SA4-118
Propeller Model: HC-D2MV20-7
Propeller T.C.: P48GL
Blade Model(s): MV8433N
Prop Diameter: 84.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	

IDS No.: 691 Rev.: Date: 5/17/1998

Modifier: ROBERT DOUTHIT

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle:

Cwt Angle:

Non-HPI Governor:

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NAVION

Model: NAVION, NAVION A
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: HC-12X20-1
Propeller T.C.:
Blade Model(s): 8428
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8428	BLADE CONFIG ITEM	2	Prop	

IDS No.: 678 Rev.: Date: 10/2/1992

Modifier:
Engine: E-185-3, -9
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 23.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

NAVION

Model: NAVION, NAVION A
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: HC-12X20-5
Propeller T.C.:
Blade Model(s): 8428
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8428	BLADE CONFIG ITEM	2	Prop	
COUNTERWEIGHT	833-22	IDS Item	1	Blade	

IDS No.: 680 Rev.: Date: 10/2/1992

Modifier:
Engine: E-185-3, -9
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 23.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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NAVION

Model: NAVION, NAVION A
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: HC-12X20-7,-7B,-7C,-8 series
Propeller T.C.:
Blade Model(s): 8428
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8428	BLADE CONFIG ITEM	2	Prop	
GOVERNOR	A1	IDS Item	1	A/C	

IDS No.: 683 Rev.: Date: 10/2/1992

Modifier:
Engine: E-185-3, -9
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 23.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

NAVION

Model: NAVION, NAVION A
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: HC-12V20-7, HC-D2V20-7, HC-12V20-7B
Propeller T.C.: P48GL
Blade Model(s): V8433
 V8433N
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2210 Rev.: Date: 11/21/2003

Modifier:
Engine: E-225-4
Power: 224 HP @ 2600 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 23.0 MIN
Cwt Angle: Positive

Non-HPI Governor:

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NAVION

Model: NAVION, NAVION A
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: HC-12X20-7, HC-D2X20-7, HC-12X20-7B
Propeller T.C.: P48GL
Blade Model(s): 8433
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2209 **Rev.:** **Date:**

Modifier:
Engine: E-225-4
Power: 224 HP @ 2600 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 23.0 MIN
Cwt Angle: Positive

Non-HPI Governor:

NAVION

Model: NAVION, NAVION A
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: HC-D2MV20-7
Propeller T.C.: P48GL
Blade Model(s): MV8433N
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D2210014	HC-D2MV20-7/MV8433N/LESS HYD.	1	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 677 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: E-225-4
Power: 224 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 23.0 MIN
Cwt Angle: Positive

Non-HPI Governor:

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NAVION

Model: NAVION A
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: not procurable
Propeller T.C.:
Blade Model(s):
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1569 Rev.: Date: 10/7/1998

Modifier:
Engine: E-185-3, -9
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 23.0
Cwt Angle: Positive

Non-HPI Governor:

NAVION

Model: NAVION A
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: not procurable
Propeller T.C.:
Blade Model(s):
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1568 Rev.: Date: 10/7/1998

Modifier:
Engine: E-185-3, -9
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.5
Cwt Angle: Positive

Non-HPI Governor:

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NAVION

Model: NAVION A
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: HC-D2X20-7, HC-D2X20-8
Propeller T.C.: P48GL
Blade Model(s): 8433
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	2	Prop	
GOVERNOR	A1	IDS Item	1	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2211 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: E-185-3, -9
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 23.5 MIN
Cwt Angle: Positive

Non-HPI Governor:

NAVION

Model: NAVION A
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: HC-D2V20-7, HC-D2V20-8
Propeller T.C.: P48GL
Blade Model(s): V8433
V8433N
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	
GOVERNOR	A1	IDS Item	1	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2212 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: E-185-3, -9
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 23.5 MIN
Cwt Angle: Positive

Non-HPI Governor:

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NAVION

Model: NAVION A
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: HC-D2MV20-(7,8)
Propeller T.C.: P48GL
Blade Model(s): MV8433N
Prop Diameter: 84" TO 82.4"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.5 +0.2

IDS No.: 682 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: E-185-3, -9
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 23.5 MIN
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D2210012	HC-D2MV20-7/MV8433N/VLV. & HYD	1	A/C	
PROPELLER	D2210016	HC-D2MV20-7/MV8433N/LESS HYD.	1	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
GOVERNOR	A1	IDS Item	1	A/C	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

NAVION

Model: NAVION B
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: HC-D2MV20-8
Propeller T.C.: P48GL
Blade Model(s): MV9333N
Prop Diameter: 93" TO 91.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.5+-0.2

IDS No.: 684 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: GO-435-C2
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 MIN
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D2210034	HC-D2MV20-8/MV9333N/LESS HYD.	1	A/C	
BLADE	MV9333N	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	D-164	IDS Item	1	Prop	Obsolete
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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NAVION

Model: NAVION B
Trade Name:
Aircraft T.C./STC: A782
Propeller Model: HC-D3MV20-8D
Propeller T.C.: P51GL
Blade Model(s): MV8433N
Prop Diameter: 84.6" TO 84.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D3210051	HC-D3MV20-8D/MV8433N	1	A/C	
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 685 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: GO-435-C2
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

NAVION

Model: B
Trade Name:
Aircraft T.C./STC: STC-SA752WE
Propeller Model: HC-83X20-2C1
Propeller T.C.:
Blade Model(s): MV9333N-3
Prop Diameter: 90"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	

IDS No.: 690 **Rev.:** 1 **Date:** 1/7/2011

Modifier: DELUCA OF CALIFORNIA
Engine: GO-480-B1D
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

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NAVY

Model: N3N-3
Trade Name:
Aircraft T.C./STC: STC-SA4-1313
Propeller Model: HA-B3Z30-1
Propeller T.C.:
Blade Model(s): 10160-6
10160N-6

Prop Diameter: 95.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10160-6	IDS Item	3	Prop	
BLADE	10160N-6	IDS Item	3	Prop	
SPINNER	836-16R	IDS Item	1	Prop	836-16R Spinner is Obsolete

NEICO

Model: see LANCAIR
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 692 **Rev.:** **Date:** 1/13/2005
Modifier: WEST COAST PROP
Engine: R985
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes: 836-16R spinner assembly is obsolete

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

IDS No.: 693 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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NEIVA

Model: L-42
Trade Name: REGENTE
Aircraft T.C./STC: NA
Propeller Model: BHC-C2YF-1BF
Propeller T.C.:
Blade Model(s): F7663
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 312 **Rev.:** **Date:** 8/18/1999

Modifier:
Engine: IO-360-D
Power: 210 HP @ 2800 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.5 +-1.5
Cwt Angle:

Non-HPI Governor:

NEW GLASAIR/NEW GLASTAR

Model: SPORTSMAN 2+2
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

Non-HPI Items:

Non-HPI Spinner: NEW GLASAIR

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00081	HC-C2YR-1BF/F8477-4/SM19	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1984 **Rev.:** **Date:** 4/27/2004

Modifier:
Engine: IO-360-A1F6
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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NEW GLASAIR/NEW GLASTAR

Model: GS-1 GLASTAR
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA
Blade Model(s): F8477-4
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1960 **Rev.:** **Date:** 8/6/2006

Modifier:
Engine: IO-360-B1B
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Must use C-1576 damper assembly

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2R00080	HC-F2YR-1F/F8477-4/SM16/C-1576	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-60P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

NEW GLASAIR/NEW GLASTAR

Model: GS-1
Trade Name: GLASTAR
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
Prop Diameter: 80

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2480 **Rev.:** **Date:** 7/19/2005

Modifier:
Engine: IO-360-B1B
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Must use C-1576 damper assembly

Startlock Angle: NA
Feather/High Angle: 30.9 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00074	HC-C2YR-1BF/F8477-4/SM16/C1576	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	A/C	
SPINNER	836-60P	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-3568	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

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NOMAD

Model: see AEROSPACE TECHNOLOGIES

Trade Name:

Aircraft T.C./STC:

Propeller Model:

Propeller T.C.:

Blade Model(s):

Prop Diameter:

Prop Setup:

Ref. Radius

Reverse Angle:

Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

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IDS No.: 694

Rev.:

Date: 10/2/1992

Modifier:

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle:

Non-HPI Governor:

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NORD

Model: 262 FRAKES
Trade Name: MOHAWK (FRAKES)
Aircraft T.C./STC: STC-SA2369SW
Propeller Model: HC-B5MP-3(A)
Propeller T.C.: P44GL

IDS No.: 695 **Rev.:** 1 **Date:** 1/7/2011

Modifier: FRAKES
Engine: PT6A-45A
Power: 1120 HP @ 1700 RPM

Placard/Restr: The required placards, restrictions and recommendations for ground operations are as follows: A) Stabilized ground operation below 900 RPM prohibited. B) Stabilized operation in range 1150 to 1400 RPM prohibited. 1) Recommendation - Taxi between 900 and 1150 Rpm in order to keep operation to a minimum through 1150 to 1400 RPM range in cross winds and tail winds, advance through 1150 RPM only after aircraft is lined up on runway for takeoff.

Blade Model(s): M10282A+6
M10282AB+6
M10282AN+6
M10282ANB+6
Prop Diameter: 111.3" TO 111.0"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -3.75 +-0.25
Low Pitch Angle: 21.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 90.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	M10282A+6	BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10282AB+6	BLADE, 4E1601-7 BOOT	5	Prop	
BLADE	M10282AN+6	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10282ANB+6	PCP:BLADE UNIT, ALUM 4H1601-7	5	Prop	
SPINNER	D-3434-8P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	B-4015	PCP:SLUG, COUNTERWEIGHT	1	Blade	
DE-ICER	4H1601-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-7
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	101058	SHIM, MOUNTING, PROPELLER	1	Prop	Ref SB275
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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NORMAN AEROPLANE

Model: NAC 6
Trade Name: FIELDMASTER
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3TN-3
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
Prop Diameter: 106.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.0 +/-0.5
Low Pitch Angle: 18.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 698 **Rev.:** 2 **Date:** 6/4/2013

Modifier:
Engine: PT6A-34AG
Power: 750 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +/-1.0
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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NORMAN AEROPLANE

Model: NAC 6-65
Trade Name: FIELDMASTER
Aircraft T.C./STC: Unknown
Propeller Model: HC-B5MP-3C
Propeller T.C.: P44GL
Blade Model(s): M10876A
 M10876AN
 M10876ANS
 M10876AS

Prop Diameter: 111.0" TO 110.7"

Prop Setup:

Ref. Radius 42
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 16.5 +-0.1

IDS No.: 699 **Rev.:** 1 **Date:** 1/7/2011
Modifier: AERO NOR TEC
Engine: PT6A-65AG
Power: 1230 HP @ 1700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 79.0 +-0.5
Cwt Angle: 2.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10107S	HC-B5MP-3C/M10876ANS/D-3434-8P	1	A/C	
PROPELLER	B5P10107SKD	HC-B5MP-3C/M10876ANS/D-3434-8P	1	A/C	
BLADE	M10876A	BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10876AN	IDS ITEM, BLADE	5	Prop	
BLADE	M10876ANS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10876AS	BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-3434-8	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-8P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3343	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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NUVENTURE

Model:
Trade Name: VENTURE
Aircraft T.C./STC: Experimental
Propeller Model: BHC-C2YF-1BF
Propeller T.C.: P-920

Blade Model(s): F7694D-6T
Prop Diameter: 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00029	BHC-C2YF-1BF/F7694D-6T/SM14	1	A/C	
BLADE	F7694D-6T	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2295-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-14	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1831 **Rev.:** **Date:** 9/21/2004

Modifier:
Engine: IO-550-N6B
Power: 310 HP @ 2700 RPM
Placard/Restr: Avoid continuous ground operation between 1850 and 2100 rpm.

Notes:

Startlock Angle: NA
Feather/High Angle: 37.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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OSPREY AIRCRAFT

Model: GP4
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-M2YR-1BF
Propeller T.C.: P43GL

Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.4 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	M2R00031	HC-M2YR-1BF/F7666A-2/SM4	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1201 **Rev.:** **Date:** 6/14/2007
Modifier:
Engine: IO-360-A1A
Power: 200 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2350 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Governor:

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PACIFIC AEROSPACE

Model: 750XL
Trade Name: P-750 XSTOL
Aircraft T.C./STC: A50CE
Propeller Model: HC-E4N-3P
Propeller T.C.: P10NE

IDS No.: 2934 **Rev.:** 2 **Date:** 11/20/2012

Modifier:
Engine: PT6A-34
Power: 750 HP @ 2000 RPM
Placard/Restr: Avoid continuous ground operation between 450 and 1050 RPM. Operation below 450 RPM is acceptable with the propeller feathered.

Blade Model(s): D9900
Prop Diameter: 100" Minimum

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +/- 0.5
Low Pitch Angle: 19.3 +/-0.1

Startlock Angle:
Feather/High Angle: 89.5+/-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00170	HC-E4N-3P/D9900	1	A/C	
PROPELLER	E4N00170KD	HC-E4N-3P/D9900	1	A/C	
PROPELLER	E4N00170S	HC-E4N-3P/D9900/D-630-3P	1	A/C	
PROPELLER	E4N00170SKD	HC-E4N-3P/D9900/D-630-3P	1	A/C	
BLADE	D9900	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-630-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-630-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-2H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

PACIFIC AEROSPACE

Model: CT4A, CT4B
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: BHC-C2YF-1BF
Propeller T.C.: P-920
Blade Model(s): F7663
Prop Diameter: 76"

IDS No.: 701 **Rev.:** **Date:** 9/21/2004

Modifier:
Engine: IO-360-D, -H, -HB
Power: 210 HP @ 2800 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +/-0.2

Startlock Angle: NA
Feather/High Angle: 30.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00011	BHC-C2YF-1BF/F7663/SM14	1	A/C	
BLADE	F7663	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-44	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-14	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

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PACIFIC AEROSPACE

Model: CT4E
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C3YR-4BF
Propeller T.C.: P25EA

Blade Model(s): FC7663-2R*1
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 700 **Rev.:** **Date:** 9/22/2007
Modifier:
Engine: AEIO-540-L1B5
Power: 300 HP @ 2700 RPM
Placard/Restr: Do not exceed 23 inches Hg manifold pressure below 2200 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00235	HC-C3YR-4BF/FC7663-2R[*1]/SM9	1	A/C	
PROPELLER	C3R00235KD	HC-C3YR-4BF/FC7663-2R[*1]/SM9	1	A/C	
BLADE	FC7663-2R*1	PCP:BLADE UNIT, B-3202H-2 CWT	3	Prop	
SPINNER	D-5205	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V4-3	GOVERNOR ASSEMBLY, V-4-()	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PACIFIC AEROSPACE (FLETCHER)

Model: FU-24 CRESCO 08-600

Trade Name:

Aircraft T.C./STC: A-11 (NZ)

Propeller Model: HC-B3TN-3D

Propeller T.C.: P15EA

Blade Model(s): T10282N

Prop Diameter: 102.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: -14.5 +-0.5

Low Pitch Angle: 18.0 +-0.1

IDS No.: 707

Rev.: 2

Date: 6/4/2013

Modifier:

Engine: PT6A-34 Ag

Power: 750 HP @ 2200 RPM

Placard/Restr:

Notes: Minimum weight is 3200 lbs.

Startlock Angle: NA

Feather/High Angle: 87.0 +-0.5

Cwt Angle: -1.5 TO POS.

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10440	HC-B3TN-3D/T10282N	1	A/C	
PROPELLER	B3N10440KD	HC-B3TN-3D/T10282N	1	A/C	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

PACIFIC AEROSPACE (FLETCHER)

Model: FU-24, FU-24A

Trade Name:

Aircraft T.C./STC: 4A12

Propeller Model: BHC-92ZF-1D1

Propeller T.C.: P-892

Blade Model(s): 8847

8847N

Prop Diameter: 88" NO CUT OFF

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.0 +-0.2

IDS No.: 703

Rev.: 1

Date: 1/7/2011

Modifier:

Engine: O-470-M, -N

Power: 240 HP @ 2610 RPM

Placard/Restr:

Notes: TC specifies HC-92ZF-1B1, which is not a valid model.

Startlock Angle: NA

Feather/High Angle: 24.4 +-1.0

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8847	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8847N	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
SPINNER	837-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	837-4	IDS Item	1	Prop	

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PACIFIC AEROSPACE (FLETCHER)

Model: FU-24, FU-24A
 Trade Name:
 Aircraft T.C./STC: 4A12
 Propeller Model: HC-A2MVF-1A
 Propeller T.C.: P24EA
 Blade Model(s): MV8833N
 Prop Diameter: 88" TO 86"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 10.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 702 Rev.: Date: 5/17/1998

Modifier:
 Engine: O-470-E
 Power: 225 HP @ 2600 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 27.0 +-0.5
 Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8833N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

PACIFIC AEROSPACE (FLETCHER)

Model: FU-24-950
 Trade Name:
 Aircraft T.C./STC: Unknown
 Propeller Model: HC-C3YR-1RF
 Propeller T.C.: P25EA
 Blade Model(s): F8475R
 Prop Diameter: 86" TO 80"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 705 Rev.: 1 Date: 2/11/2013

Modifier:
 Engine: IO-720-A1A
 Power: 400 HP @ 2650 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 30.0 +-1.0
 Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00090	HC-C3YR-1RF/F8475R	1	A/C	
PROPELLER	C3R00090KD	HC-C3YR-1RF/F8475R	1	A/C	
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-36	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-1D	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PACIFIC AEROSPACE (FLETCHER)

Model: FU-24-950, -954

Trade Name:

Aircraft T.C./STC: Unknown

Propeller Model: HC-C3YR-1RF

Propeller T.C.: P25EA

Blade Model(s): F8483

F8483-2Q

Prop Diameter: 86" TO 80"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.0 +-0.2

IDS No.: 706

Rev.: 1

Date: 2/11/2013

Modifier:

Engine: IO-720-A1A, A1B

Power: 400 HP @ 2650 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 25.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00104	HC-C3YR-1RF/F8483	1	A/C	
PROPELLER	C3R00104KD	HC-C3YR-1RF/F8483	1	A/C	
BLADE	F8483	PCP:BLADE UNIT, ALUMINUM	1	Prop	
BLADE	F8483-2Q	PCP:BLADE UNIT, ALUMINUM	1	Prop	
SPINNER	835-36	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-1D	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PACIFIC AEROSPACE (FLETCHER)

Model: FU-24-954, FU-24A-954

Trade Name:

Aircraft T.C./STC: A9PC

Propeller Model: HC-C3YR-1RF

Propeller T.C.: P25EA

Blade Model(s): F8475

F8475R

Prop Diameter: 86" TO 84"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle:

IDS No.: 704

Rev.:

Date: 10/2/1992

Modifier:

Engine: IO-720-A1A, -A1B

Power: 400 HP @ 2650 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle:

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8475	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
GOVERNOR	F4-1D	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PACIFIC AEROSPACE LTD.

Model: 750XL
Trade Name: P-750 XSTOL
Aircraft T.C./STC: A50CE
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282NS+4
 T10282NSK+4
Prop Diameter: 106" minimum

IDS No.: 1743 **Rev.:** 4 **Date:** 11/12/2013
Modifier:
Engine: PT6A-34
Power: 750 HP @ 2200 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: -8.1 +-0.5
Low Pitch Angle: 18.5 +-0.5

Startlock Angle: NA
Feather/High Angle: 86.3 +-1.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10460	HC-B3TN-3D/T10282NS+4	1	A/C	
PROPELLER	B3N10460KD	HC-B3TN-3D/T10282NS+4	1	A/C	
PROPELLER	B3N10460S	HC-B3TN-3D/T10282NS+4/C3065-1P	1	A/C	
PROPELLER	B3N10475S	HC-B3TN-3D/T10282NSK+4/3065-1P	1	A/C	
PROPELLER	B3N10475SKD	HC-B3TN-3D/T10282NSK+4/3065-1P	1	A/C	
BLADE	T10282NS+4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282NSK+4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3851-0432	WASHER	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	104112	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	104116	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	104128	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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PAKISTAN AERONAUTICAL

Model: MUSHSHAK see AMF PAKISTON

Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 708 Rev.: Date: 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

PERFORMANCE AIRCRAFT

Model: FORMULA GT

Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8475J-4
Prop Diameter: 78" TO 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1765 Rev.: Date: 8/15/2000

Modifier:
Engine: IO-540 SERIES
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00116	HC-C2YK-1BF/F8475J-4/SM8	1	A/C	
BLADE	F8475J-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIAGGIO

Model: P-136-L1
Trade Name: ROYAL GULL
Aircraft T.C./STC: A813
Propeller Model: HC-83X20-2L, HC-A3X20-2L, HC-83X20-2CL
Propeller T.C.: P6EA
Blade Model(s):
Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
SPINNER	835-11S	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2220 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GO-480-B, -B1B, -B1D
Power: 270 HP @ 2182 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

PIAGGIO

Model: P-136-L1
Trade Name: ROYAL GULL
Aircraft T.C./STC: A813
Propeller Model: HC-83V20-2L, HC-A3V20-2L, HC-83V20-2CL
Propeller T.C.: P6EA
Blade Model(s): LV8433N
Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LV8433N	BLADE	3	Prop	
SPINNER	835-11S	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2221 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GO-480-B, -B1B, -B1D
Power: 270 HP @ 2182 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

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PIAGGIO

Model: P-136-L1
Trade Name: ROYAL GULL
Aircraft T.C./STC: A813
Propeller Model: HC-A3MV20-2L
Propeller T.C.: P6EA
Blade Model(s): LMV8433N
Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LMV8433N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-11S	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 712 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: GO-480-B, -B1B, -B1D
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

PIAGGIO

Model: P-136-L1
Trade Name: ROYAL GULL
Aircraft T.C./STC: Unknown
Propeller Model: HC-A3V20-2L
Propeller T.C.: P6EA
Blade Model(s): LV8433N
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LV8433N	BLADE	3	Prop	

IDS No.: 2391 **Rev.:** **Date:** 12/2/2003

Modifier:
Engine: GO-480-G1D6
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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PIAGGIO

Model: P-136-L1
Trade Name: ROYAL GULL
Aircraft T.C./STC: Unknown
Propeller Model: HC-A3X20-2L
Propeller T.C.: P913
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2390 **Rev.:** **Date:** 12/2/2003

Modifier:
Engine: GO-480-G1D6
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle:

Non-HPI Governor:

PIAGGIO

Model: P-136-L2
Trade Name: ROYAL GULL
Aircraft T.C./STC: A-813
Propeller Model: HC-83X20-2CL, HC-83X20-2L,
 HC-A3X20-2L
Propeller T.C.: P6EA
Blade Model(s):
Prop Diameter: 88" TO 87"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 18.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2222 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GSO-480-A1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:

Notes: Blade configuration corresponds with diameter limits in aircraft TCDS.

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
SPINNER	835-11S	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-5	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	3	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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PIAGGIO

Model: P-136-L2
Trade Name: ROYAL GULL
Aircraft T.C./STC: A-813
Propeller Model: HC-A3V20-2CL, HC-A3V20-2L
Propeller T.C.: P6EA
Blade Model(s): LV9333N
LV9333N-5
Prop Diameter: 88" TO 87"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 18.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2318 **Rev.:** **Date:** 11/24/2003

Modifier:
Engine: GSO-480-A1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes: Blade configuration corresponds with diameter limits in aircraft TCDS.

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LV9333N	BLADE	3	Prop	
BLADE	LV9333N-5	BLADE	3	Prop	
SPINNER	835-11S	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-5	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	3	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

PIAGGIO

Model: P-136-L2
Trade Name: ROYAL GULL
Aircraft T.C./STC: A-813
Propeller Model: HC-A3MV20-2L
Propeller T.C.: P6EA
Blade Model(s): LMV9333N-5
Prop Diameter: 88" TO 87"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 18.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 713 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: GSO-480-A1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes: Blade configuration corresponds with diameter limits in aircraft TCDS.

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3210097	HC-A3MV20-2L/LMV9333N-5	2	A/C	
BLADE	LMV9333N-5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-11S	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-5	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	3	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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PIAGGIO

Model: P-136-L2
Trade Name: ROYAL GULL
Aircraft T.C./STC: SA5944NM
Propeller Model: HC-A3VF-5AL
Propeller T.C.: P6EA
Blade Model(s): LV9333N-5
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: 19.3 +-0.5
Low Pitch Angle: 18.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	LV9333N-5	BLADE	3	Prop	

IDS No.: 2392 Rev.: Date: 12/2/2003

Modifier:
Engine: GSO-480-B2C6
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle:

Non-HPI Governor:

PIAGGIO

Model: P-136-L2
Trade Name: ROYAL GULL
Aircraft T.C./STC: Unknown
Propeller Model: HC-83XF-3AL
Propeller T.C.: P6EA

Blade Model(s):
Prop Diameter: 88" TO 87"

Prop Setup:

Ref. Radius 30
Reverse Angle: -19.3 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
SPINNER	835-39	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

IDS No.: 2304 Rev.: Date: 11/21/2003

Modifier:
Engine: GSO-480-B2C6
Power: 340 HP @ 2182 RPM
Placard/Restr: "Do not exceed 1500 RPM in reverse"
"Reverse propellers for water taxi operation only"

Notes:

Startlock Angle: 18.0 +-0.2
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

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PIAGGIO

Model: P-136-L2
Trade Name: ROYAL GULL
Aircraft T.C./STC: Unknown
Propeller Model: HC-A3MVF-5AL
Propeller T.C.: P6EA

IDS No.: 1582 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: GSO-480-B2C6
Power: 340 HP @ 2182 RPM
Placard/Restr: "Do not exceed 1500 RPM in reverse"
 "Reverse propellers for water taxi operation only"

Blade Model(s): LMV9333N-5
Prop Diameter: 88" TO 87"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -19.3 +-0.5
Low Pitch Angle: NA

Startlock Angle: 18.0 +-0.2
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3F10112	HC-A3MVF-5AL/LMV9333N-5	2	A/C	
BLADE	LMV9333N-5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-39	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

PIAGGIO

Model: P-149D
Trade Name:
Aircraft T.C./STC: German
Propeller Model: HC-83V20-1F, HC-A3V20-1F
Propeller T.C.: P6EA

IDS No.: 2223 **Rev.:** **Date:** 11/21/2003
Modifier: HOFFMANN
Engine: GO-480-G1A6,-G1D6, IGO-480-A1B6
Power: 295 HP @ 2182 RPM
Placard/Restr: Avoid continuous operation between 1300 and 1650 rpm, and between 2100 and 2500 rpm.

Blade Model(s): V9333C-3
 V9333N-3
Prop Diameter: 90.625"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 32.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V9333C-3	BLADE	3	Prop	
BLADE	V9333N-3	BLADE	3	Prop	
SPINNER	837-17	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-5	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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PIAGGIO

Model: P-149D
Trade Name:
Aircraft T.C./STC: German
Propeller Model: HC-A3MV20-1F
Propeller T.C.: P6EA

IDS No.: 714 **Rev.:** 1 **Date:** 1/7/2011
Modifier: HOFFMANN
Engine: GO-480-G1A6,-G1D6, IGO-480-A1B6
Power: 295 HP @ 2182 RPM
Placard/Restr: Avoid continuous operation between 1300 and 1650 rpm, and between 2100 and 2500 rpm.

Blade Model(s): MV9333N-3
Prop Diameter: 90.625"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +0.2

Startlock Angle: NA
Feather/High Angle: 32.5 +0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3210050	HC-A3MV20-1F/MV9333N-3	1	A/C	
PROPELLER	A3210050KD	HC-A3MV20-1F/MV9333N-3	1	A/C	
BLADE	MV9333N-3	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	837-17	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-5	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

PIAGGIO

Model: P-149D
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-83X20-1D, HC-A3X20-1D
Propeller T.C.: P6EA
Blade Model(s): 8433
Prop Diameter:

IDS No.: 2295 **Rev.:** **Date:** 11/21/2003
Modifier: HOFFMANN
Engine: GO-480-B1A6
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +0.1

Startlock Angle: NA
Feather/High Angle: 33.5 +0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	3	Prop	
SPINNER	837-17	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4()	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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PIAGGIO

Model: P-149D
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-83V20-1D, HC-A3V20-1D
Propeller T.C.: P6EA
Blade Model(s): V8433
V8433N

Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.1

IDS No.: 2296 **Rev.:**
Modifier: HOFFMANN
Engine: GO-480-B1A6
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Date: 11/21/2003

Startlock Angle: NA
Feather/High Angle: 33.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	3	Prop	
BLADE	V8433N	BLADE	3	Prop	
SPINNER	837-17	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4-()	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

PIAGGIO

Model: P-149D
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-A3MV20-1D
Propeller T.C.: P6EA
Blade Model(s): MV8433N
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.1

IDS No.: 1054 **Rev.:** 1
Modifier: HOFFMANN
Engine: GO-480-B1A6
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Date: 1/10/2011

Startlock Angle: NA
Feather/High Angle: 33.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3210020	HC-A3MV20-1D/MV8433N			
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	837-17	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4-()	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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PIAGGIO

Model: P.166 DP1
Trade Name: ROYAL GULL
Aircraft T.C./STC: EASA A.384
Propeller Model: HC-B3TN-3DL
Propeller T.C.: P15EA
Blade Model(s): LT10282-9.5R
 LT10282N-9.5R

Prop Diameter: 93.0" - 91.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +/-0.5
Low Pitch Angle: 18.0 +/- 0.1

IDS No.: 1644 **Rev.:** 2 **Date:** 6/4/2013

Modifier:
Engine: PT6A-121
Power: 615 HP @ 1900 RPM
Placard/Restr:
Notes: Build as pusher.

Startlock Angle: NA
Feather/High Angle: 85.5 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	LT10282-9.5R	BLADE	3	Prop	
BLADE	LT10282N-9.5R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-6929	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

PIAGGIO

Model: P-166
Trade Name: ROYAL GULL
Aircraft T.C./STC: 7A4
Propeller Model: HC-A3X20-2CL, HC-83X20-2CL
Propeller T.C.: P6EA
Blade Model(s):
Prop Diameter: 93.6" TO 92"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +/-0.2

IDS No.: 2224 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GSO-480-B1C6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
SPINNER	835-11S	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-5	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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PIAGGIO

Model: P-166
Trade Name: ROYAL GULL
Aircraft T.C./STC: 7A4
Propeller Model: HC-83V20-2CL
Propeller T.C.: P6EA
Blade Model(s): LV9333N
Prop Diameter: 93.6" TO 92"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

IDS No.: 2319 **Rev.:** **Date:** 11/24/2003

Modifier:
Engine: GSO-480-B1C6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LV9333N	BLADE	3	Prop	
SPINNER	835-11S	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-5	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

PIAGGIO

Model: P-166
Trade Name: ROYAL GULL
Aircraft T.C./STC: 7A4
Propeller Model: HC-A3MV20-2L
Propeller T.C.: P6EA
Blade Model(s): LMV9333N
Prop Diameter: 93.6" TO 92"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

IDS No.: 715 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: GSO-480-B1C6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LMV9333N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-11S	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-5	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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PIAGGIO

Model: P-166
Trade Name: ROYAL GULL
Aircraft T.C./STC: Unknown
Propeller Model: HC-83VF-5AL, HC-A3VF-5AL
Propeller T.C.: P6EA
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: -18.5 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

IDS No.: 2225 Rev.: Date: 11/21/2003
Modifier:
Engine: GSO-480
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.0 +-0.1
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

PIAGGIO

Model: P-166
Trade Name: ROYAL GULL
Aircraft T.C./STC: Unknown
Propeller Model: HC-A3MVF-5AL
Propeller T.C.: P6EA
Blade Model(s): LMV9333N-5
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: -18.5 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LMV9333N-5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

IDS No.: 717 Rev.: 1 Date: 1/7/2011
Modifier:
Engine: GSO-480
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.0 +-0.1
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

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PIAGGIO

Model: P-166B, C
Trade Name: ROYAL GULL
Aircraft T.C./STC: 7A4
Propeller Model: HC-B3Z30-2BL
Propeller T.C.: P907
Blade Model(s): L10151-8
L10151N-8
Prop Diameter: 93.5" TO 92"

Prop Setup:

Ref. Radius: 33
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 716 **Rev.:** 1 **Date:** 1/7/2011
Modifier:
Engine: IGSO-540-A1C
Power: 380 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	L10151-8	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	L10151N-8	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-32SPRL	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-619-2	SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

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PIAGGIO

Model: P.166 DL3
Trade Name: ROYAL GULL
Aircraft T.C./STC: 7A4, EASA A.384
Propeller Model: HC-B3TN-3DL
Propeller T.C.: P15EA
Blade Model(s): LT10282-9.5R
 LT10282N-9.5R
Prop Diameter: 93.0" TO 91.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 20.0 +-0.1

IDS No.: 718 **Rev.:** 2 **Date:** 6/4/2013
Modifier:
Engine: LTP-101-600, -600A-1, -600A-1A
Power: 599 HP @ 1950 RPM
Placard/Restr:
Notes: Build as pusher.

Startlock Angle: NA
Feather/High Angle: 85.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10565	HC-B3TN-3DL/LT10282N-9.5R	2	A/C	
BLADE	LT10282-9.5R	BLADE	3	Prop	
BLADE	LT10282N-9.5R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-4033-L	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PIAGGIO

Model: P-180 (left side)
Trade Name: AVANTI
Aircraft T.C./STC: A59EU
Propeller Model: HC-E5N-3
Propeller T.C.: P20NE

Blade Model(s): HE8218
Prop Diameter: 85" TO 84.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -13.0 +/-0.5
Low Pitch Angle: 18.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	HE8218	BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-5527	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5527-1	IDS Item	1	Prop	
SPINNER	D-5527-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5527-P	5527-P POLISHED SPINNER ASSY	1	Prop	
SPIN MTG KIT	B-3384-1H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	10	Prop	
COUNTERWEIGHT	C-472-12	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-1713	SLUG, COUNTERWEIGHT	10	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

IDS No.: 719 **Rev.:** 1 **Date:** 9/9/2011

Modifier:

Engine: PT6A-66 CTR-ROTATING

Power: 850 HP @ 2000 RPM

Placard/Restr: Stabilized ground operation between 600 and 900 RPM is prohibited. Operation at or below 600 RPM is permissible with propeller feathered; Stabilized ground operation is prohibited between 1300 and 1600 RPM.

Notes: Use Aeroshell 22 grease per Manual 202A. Refer to Manual 149 for Airworthiness Limitations.

Startlock Angle: NA

Feather/High Angle: 89.0 +/-0.5

Cwt Angle:

Non-HPI Governor:

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PIAGGIO

Model: P-180 (right side)
Trade Name: AVANTI
Aircraft T.C./STC: A59EU
Propeller Model: HC-E5N-3L
Propeller T.C.: P20NE

Blade Model(s): LE8218
Prop Diameter: 85" TO 84.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -13.0 +/-0.5
Low Pitch Angle: 18.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LE8218	BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-5527-1L	IDS Item	1	Prop	
SPINNER	D-5527-1LP	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5527L	IDS Item	1	Prop	
SPINNER	D-5527-LP	5527-LP POLISHED SPINNER ASSY	1	Prop	
SPIN MTG KIT	B-3384-1H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	10	Prop	
COUNTERWEIGHT	C-472-12	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-1713	SLUG, COUNTERWEIGHT	10	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

IDS No.: 720 **Rev.:** 1 **Date:** 9/9/2011

Modifier:

Engine: PT6A-66

Power: 850 HP @ 2000 RPM

Placard/Restr: Stabilized ground operation between 600 and 900 RPM is prohibited. Operation at or below 600 RPM is permissible with propeller feathered; Stabilized ground operation is prohibited between 1300 and 1600 RPM.

Notes: Use Aeroshell 22 grease per Manual 202A. Refer to Manual 149 for Airworthiness Limitations.

Startlock Angle: NA

Feather/High Angle: 89.0 +/-0.5

Cwt Angle:

Non-HPI Governor:

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PIAGGIO

Model: P-180 (left side)
Trade Name: AVANTI
Aircraft T.C./STC: A59EU
Propeller Model: HC-E5N-3A
Propeller T.C.: P20NE

IDS No.: 1189 **Rev.:** 2 **Date:** 2/28/2012

Modifier:
Engine: PT6A-66 CTR-ROTATING
Power: 850 HP @ 2000 RPM
Placard/Restr: Stabilized ground operation between 600 and 900 RPM is prohibited. Operation at or below 600 RPM is permissible with propeller feathered; Stabilized ground operation is prohibited between 1300 and 1600 RPM.

Blade Model(s): HE8218
 HE8218*1
Prop Diameter: 85" TO 84.5"

Notes: Use Aeroshell 22 grease per Manual 202A. No yellow station stripe. Refer to Manual 149 for Airworthiness Limitations.

Prop Setup:

Ref. Radius 30
Reverse Angle: -13.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 89.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E5N00030	HC-E5N-3A/HE8218	1	A/C	
PROPELLER	E5N00030KD	HC-E5N-3A/HE8218	1	A/C	
PROPELLER	E5N00040	HC-E5N-3A/HE8218[*1]	1	A/C	
PROPELLER	E5N00040KD	HC-E5N-3A/HE8218[*1]	1	A/C	
BLADE	HE8218	BLADE UNIT, ALUMINUM	5	Prop	
BLADE	HE8218*1	PCP:BLADE UNIT, ALUM [3,3,1]	5	Prop	
SPINNER	D-5527-1	IDS Item	1	Prop	
SPINNER	D-5527-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-1H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	10	Prop	
SPIN MTG KIT	C-3317-257-5	O - RING	3	Prop	
COUNTERWEIGHT	C-472-12	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-1713	SLUG, COUNTERWEIGHT	10	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PIAGGIO

Model: P-180 (right side)
Trade Name: AVANTI
Aircraft T.C./STC: A59EU
Propeller Model: HC-E5N-3AL
Propeller T.C.: P20NE

IDS No.: 1190 **Rev.:** 2 **Date:** 2/28/2012

Modifier:
Engine: PT6A-66
Power: 850 HP @ 2000 RPM
Placard/Restr: Stabilized ground operation between 600 and 900 RPM is prohibited. Operation at or below 600 RPM is permissible with propeller feathered; Stabilized ground operation is prohibited between 1300 and 1600 RPM.

Blade Model(s): LE8218
 LE8218*1
Prop Diameter: 85" TO 84.5"

Notes: Use Aeroshell 22 grease per Manual 202A. No yellow station stripe. Refer to Manual 149 for Airworthiness Limitations.

Prop Setup:

Ref. Radius: 30
Reverse Angle: -13.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 89.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E5N00120	HC-E5N-3AL/LE8218	1	A/C	
PROPELLER	E5N00120KD	HC-E5N-3AL/LE8218	1	A/C	
PROPELLER	E5N00130	HC-E5N-3AL/LE8218[*1]	1	A/C	
PROPELLER	E5N00130KD	HC-E5N-3AL/LE8218[*1]	1	A/C	
BLADE	LE8218	BLADE UNIT, ALUMINUM	5	Prop	
BLADE	LE8218*1	PCP:BLADE UNIT, ALUM [3,3,1]	5	Prop	
SPINNER	D-5527-1L	IDS Item	1	Prop	
SPINNER	D-5527-1LP	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-1H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	10	Prop	
COUNTERWEIGHT	C-472-12	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-1713	SLUG, COUNTERWEIGHT	10	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PILATUS

Model: PC-6/350; PC-6/350-H1, -H2
Trade Name: PORTER
Aircraft T.C./STC: 7A15
Propeller Model: HC-B3W30-2B
Propeller T.C.: P2EA
Blade Model(s): W9349N+.5
Prop Diameter: 93.5" NO CUT OFF

IDS No.: 3236 **Rev.:** **Date:** 9/19/2013
Modifier:
Engine: IGO-540-A1A
Power: 350 HP @ 2182 RPM
Placard/Restr:
Notes: W shank propeller is interchangeable with Z shank propeller as specified on Prop TC P-907.

Prop Setup:

Ref. Radius: 30"
Reverse Angle: N/A
Low Pitch Angle: 15.0 +/- 0.2

Startlock Angle: N/A
Feather/High Angle: 87.0 +/- 0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3310010	HC-B3W30-2B/W9349N+.5	1	A/C	
BLADE	W9349N+.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

PILATUS

Model: PC-3
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-83X20-2A, HC-A3X20-2, HC-A3X20-2A
Propeller T.C.: P6EA
Blade Model(s): 8433
Prop Diameter: 84.6"

IDS No.: 2226 **Rev.:** **Date:** 11/21/2003
Modifier:
Engine: GO-435-C2A
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes: Note: Blade angles are for assembly only.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +/-0.2

Startlock Angle: NA
Feather/High Angle: 82.0 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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PILATUS

Model: PC-3
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-83V20-2A, HC-A3V20-2, HC-A3V20-2A
Propeller T.C.: P6EA
Blade Model(s): V8433
V8433N
Prop Diameter: 84.6"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	3	Prop	
BLADE	V8433N	BLADE	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2227 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GO-435-C2A
Power: 260 HP @ 2182 RPM
Placard/Restr:

Notes: Note: Blade angles are for assembly only.

Startlock Angle: NA
Feather/High Angle: 82.0 +0.5
Cwt Angle: Positive

Non-HPI Governor:

PILATUS

Model: PC-3
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV8433N
Prop Diameter: 84.6"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 721 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: GO-435-C2A
Power: 260 HP @ 2182 RPM
Placard/Restr:

Notes: Note: Blade angles are for assembly only.

Startlock Angle: NA
Feather/High Angle: 82.0 +0.5
Cwt Angle: Positive

Non-HPI Governor:

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PILATUS

Model: PC-4
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-A3X20-2
Propeller T.C.: P913
Blade Model(s): 8433
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433	BLADE	3	Prop	

IDS No.: 2393 Rev.: Date: 12/2/2003

Modifier:
Engine: GO-435-C2A
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.0 +0.5
Cwt Angle:

Non-HPI Governor:

PILATUS

Model: PC-4
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-A3V20-2
Propeller T.C.: P6EA
Blade Model(s): V8433
V8433N

Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433	BLADE	3	Prop	
BLADE	V8433N	BLADE	3	Prop	

IDS No.: 2394 Rev.: Date: 12/2/2003

Modifier:
Engine: GO-435-C2A
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.0 +0.5
Cwt Angle:

Non-HPI Governor:

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PILATUS

Model: PC-6; PC-6-H1, -H2
Trade Name: PORTER
Aircraft T.C./STC: 7A15
Propeller Model: HC-83X20-1, HC-83X20-1B, HC-A3X20-1B
Propeller T.C.: P6EA
Blade Model(s): 9333C
Prop Diameter: 93.6" TO 88"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	9333C	BLADE	3	Prop	
SPINNER	836-15	IDS Item	1	Prop	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3-()	1	A/C	
COUNTERWEIGHT	833-25R	IDS Item	1	Blade	

IDS No.: 2228 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GSO-480-B1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

PILATUS

Model: PC-6; PC-6-H1, -H2
Trade Name: PORTER
Aircraft T.C./STC: 7A15
Propeller Model: HC-83X20-1D, HC-A3X20-1D
Propeller T.C.: P6EA
Blade Model(s): 9333C
Prop Diameter: 93.6" TO 88"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	9333C	BLADE	3	Prop	
SPINNER	836-15	IDS Item	1	Prop	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3-()	1	A/C	
COUNTERWEIGHT	833-25R	IDS Item	1	Blade	

IDS No.: 2229 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GSO-480-B1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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PILATUS

Model: PC-6; PC-6-H1, -H2
Trade Name: PORTER
Aircraft T.C./STC: 7A15
Propeller Model: HC-83V20-1, HC-83V20-1B, HC-A3V20-1B
Propeller T.C.: P6EA
Blade Model(s): V9333C
V9333N
Prop Diameter: 93.6" TO 88"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V9333C	BLADE	3	Prop	
BLADE	V9333N	BLADE	3	Prop	
SPINNER	836-15	IDS Item	1	Prop	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3-()	1	A/C	
COUNTERWEIGHT	833-25R	IDS Item	1	Blade	

IDS No.: 2230 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: GSO-480-B1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

PILATUS

Model: PC-6; PC-6-H1, -H2
Trade Name: PORTER
Aircraft T.C./STC: 7A15
Propeller Model: HC-A3MV20-1B, 1D
Propeller T.C.: P6EA
Blade Model(s): MV9333N
Prop Diameter: 93.6" TO 88"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV9333N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-15	IDS Item	1	Prop	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3-()	1	A/C	
COUNTERWEIGHT	833-25R	IDS Item	1	Blade	

IDS No.: 722 **Rev.:** **Date:** 6/6/2006

Modifier:
Engine: GSO-480-B1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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PILATUS

Model: PC-6; PC-6-H1, -H2
Trade Name: PORTER
Aircraft T.C./STC: 7A15
Propeller Model: HC-83V20-1D, HC-A3V20-1D
Propeller T.C.: P6EA
Blade Model(s): V9333C
 V9333N

Prop Diameter: 93.6" TO 88"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

IDS No.: 2231 **Rev.:** **Date:** 11/21/2003
Modifier:
Engine: GSO-480-B1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V9333C	BLADE	3	Prop	
BLADE	V9333N	BLADE	3	Prop	
SPINNER	836-15	IDS Item	1	Prop	
GOVERNOR	B3	GOVERNOR ASSEMBLY, B-3-()	1	A/C	
COUNTERWEIGHT	833-25R	IDS Item	1	Blade	

PILATUS

Model: PC-6/350; PC-6/350-H1, -H2
Trade Name: PORTER
Aircraft T.C./STC: 7A15
Propeller Model: HC-B3Z30-2B
Propeller T.C.: P907
Blade Model(s): 9349N+1/2
Prop Diameter: 93.5" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.2

IDS No.: 723 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: IGO-540-A1A
Power: 350 HP @ 2182 RPM
Placard/Restr: None
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	9349N+1/2	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

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PILATUS

Model: PC-6/A-H2
Trade Name: TURBO PORTER
Aircraft T.C./STC: STC-SA273EA
Propeller Model: HC-B3TN-3B
Propeller T.C.: P15EA
Blade Model(s): T10173N
Prop Diameter: 101.5"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle:

IDS No.: 728 **Rev.:** **Date:** 2/17/1997
Modifier: STYLES AVIATION
Engine: PT6A
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10173N	IDS Item	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

PILATUS

Model: PC-6/B-H2, PC-6/B1-H2
Trade Name: TURBO PORTER
Aircraft T.C./STC: 7A15
Propeller Model: HC-B3TN-3C
Propeller T.C.: P15EA
Blade Model(s): T10173C
 T10173CN
Prop Diameter: 101.5" TO 99"

Prop Setup:

Ref. Radius 30
Reverse Angle: -11.5 +0.5
Low Pitch Angle: 15.0 +0.1

IDS No.: 724 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: PT6A-6A, -20
Power: 550 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.5 +0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10173C	BLADE	3	Prop	
BLADE	T10173CN	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PILATUS

Model: PC-6/B2-H2
Trade Name: TURBO PORTER
Aircraft T.C./STC: 7A15
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10173C
 T10173CK
 T10173CN
 T10173CNK
 T10178C
 T10178CK
 T10178CN
 T10178CNK

IDS No.: 725 **Rev.:** 2 **Date:** 6/4/2013
Modifier:
Engine: PT6A-27
Power: 550 HP @ 2200 RPM
Placard/Restr:
Notes:

Prop Diameter: 101.5" TO 99"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 19.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 85.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10370S	HC-B3TN-3D/T10173CN/C-3065-P	1	A/C	
PROPELLER	B3N10380S	HC-B3TN-3D/T10173CNK/C-3065-P	1	A/C	
BLADE	T10173C	BLADE	3	Prop	
BLADE	T10173CK	IDS*ITEM, BLADE	3	Prop	
BLADE	T10173CN	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10173CNK	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178C	BLADE	3	Prop	
BLADE	T10178CK	IDS*ITEM, BLADE,4E2200-10 BOOT	3	Prop	
BLADE	T10178CN	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178CNK	IDS ITEM, BLADE,4E2200-10 BOOT	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	24	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICE KIT_PR	7931-67-050-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3074	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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PILATUS

Model: PC-6/B2-H4
Trade Name: TURBO PORTER
Aircraft T.C./STC: 7A15
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10178CNR
 T10178CNRK
 T10178CR
 T10178CRK

IDS No.: 1839 **Rev.:** 3 **Date:** 6/4/2013
Modifier:
Engine: PT6A-27
Power: 550 HP @ 2000 RPM
Placard/Restr:
Notes: Pilatus derates engine to 2000 RPM

Prop Diameter: 101.5" TO 99"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.5 +-0.5
Low Pitch Angle: 19.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 85.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10410KD	HC-B3TN-3D/T10178CNR	1	A/C	
PROPELLER	B3N10410S	HC-B3TN-3D/T10178CNR/C-3065-P	1	A/C	
PROPELLER	B3N10410SKD	HC-B3TN-3D/T10178CNR/C-3065-P	1	A/C	
PROPELLER	B3N10420	HC-B3TN-3D/T10178CNRK/BULKHEAD	1	A/C	
PROPELLER	B3N10420S	HC-B3TN-3D/T10178CNRK/C-3065-P	1	A/C	
BLADE	T10178CNR	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178CNRK	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178CR	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178CRK	IDS*ITEM, BLADE	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICE KIT_PR	7931-67-050-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3074	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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PILATUS

Model: PC-6/B,B1-H2
Trade Name: TURBO PORTER
Aircraft T.C./STC: STC-SA614EA
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10178C
T10178CN
Prop Diameter: 101.5"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle:

IDS No.: 731 **Rev.:** 1 **Date:** 1/10/2011
Modifier: STYLES AVIATION
Engine: PT6A-27
Power: 680 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10178C	BLADE	3	Prop	
BLADE	T10178CN	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PILATUS

Model: PC-6/B1-H2, /B2-H2, /B2-H4

Trade Name: TURBO PORTER

Aircraft T.C./STC: STC-SA377CH

Propeller Model: HC-D4N-3P

Propeller T.C.: P10NE

Blade Model(s): D9511F
D9511F*2
D9511FK*3

Prop Diameter: 96.0" TO 95.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: -10.25 +-0.75

Low Pitch Angle: 20.5 +-0.1

IDS No.: 1161

Rev.: 1

Date: 2/6/2013

Modifier: HARTZELL PROPELLER

Engine: PT6A-20, -27, B2-H2 & B2-H4

Power: 550 HP @ 2200 RPM

Placard/Restr: Stabilized ground operation is prohibited between 440 and 1056 RPM

Notes: Engine RPM rating is 2000rpm for B2-H4. De-ice equipment for this STC'd prop is approved under Pilatus Type Certificate 7A15.

Startlock Angle: NA

Feather/High Angle: 86.1 +-0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00160S	HC-D4N-3P/D9511F/D-630-P	1	A/C	
PROPELLER	D4N00160SKD	HC-D4N-3P/D9511F/D-630-P	1	A/C	
PROPELLER	D4N00161S	HC-D4N-3P/D9511FK[*3]/D-630-P	1	A/C	
PROPELLER	D4N00161SKD	HC-D4N-3P/D9511FK[*3]/D-630-P	1	A/C	
PROPELLER	D4N00163S	HC-D4N-3P/D9511F/D-630-P	1	A/C	
PROPELLER	D4N00163SKD	HC-D4N-3P/D9511F/D-630-P	1	A/C	
BLADE	D9511F	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
BLADE	D9511F*2	IDS Item	4	Prop	
BLADE	D9511FK*3	PCP:BLADE UNIT, ALUM 4H2271-10	4	Prop	
SPINNER	D-630-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	B-3384-2	IDS Item	8	Prop	Secondary
SPIN MTG KIT	B-3384-2H	BOLT, 1/4-28, HEX HEAD	8	Prop	Primary
SPIN MTG KIT	B-3851-0432	WASHER	8	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-4	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-1713	SLUG, COUNTERWEIGHT	2	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICE KIT_PR	7931-67-896-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-67-896-2	IDS ITEM (AIRFRAME DE-ICE KIT)	1	A/C	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3074	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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PILATUS

Model: PC-6/B1-H2
Trade Name: TURBO PORTER
Aircraft T.C./STC: STC-SA545EA
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10178C
 T10178CN
Prop Diameter: 101.5"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle:

IDS No.: 730 **Rev.:** **Date:** 1/9/2004
Modifier: STYLES AVIATION
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10178C	BLADE	3	Prop	
BLADE	T10178CN	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

PILATUS

Model: PC-6/C-H2
Trade Name: TURBO PORTER
Aircraft T.C./STC: 7A15
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s): T10178C
 T10178CN
Prop Diameter: 101.5" TO 99"

Prop Setup:

Ref. Radius 30
Reverse Angle: -9.5 +-0.5
Low Pitch Angle: NA

IDS No.: 726 **Rev.:** 2 **Date:** 6/4/2013
Modifier:
Engine: TPE331-25D
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.0 +-0.1
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10178C	BLADE	3	Prop	
BLADE	T10178CN	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3043-1P	IDS Item	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PILATUS

Model: PC-6/C1-H2
Trade Name: TURBO PORTER
Aircraft T.C./STC: 7A15
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s): T10178C

IDS No.: 727 **Rev.:** 2 **Date:** 6/4/2013
Modifier:
Engine: TPE331-1-100
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

T10178CN
T10178CNR
T10178CR

Prop Diameter: 101.5" TO 99"

Prop Setup:

Ref. Radius 30
Reverse Angle: -9.5 +-0.5
Low Pitch Angle: NA

Startlock Angle: 2.0 +-0.2
Feather/High Angle: 87.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10770	HC-B3TN-5C/T10178CN	1	A/C	
PROPELLER	B3N10771	HC-B3TN-5C/T10178CNR	1	A/C	
BLADE	T10178C	BLADE	3	Prop	
BLADE	T10178CN	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178CNR	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178CR	BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3043-1P	IDS Item	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PILATUS

Model: PC-6/A,C-H2
Trade Name: TURBO PORTER
Aircraft T.C./STC: STC-SA368EA
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s): T10178C
 T10178CN
Prop Diameter: 101.5"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle:

IDS No.: 729 **Rev.:** 2 **Date:** 6/4/2013
Modifier: STYLES AVIATION
Engine: TPE331-25D, -25DA, -250B, -71
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10178C	BLADE	3	Prop	
BLADE	T10178CN	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3043-1	IDS Item	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PILATUS

Model: PC-7
Trade Name: TURBO TRAINER
Aircraft T.C./STC: A50EU
Propeller Model: HC-B3TN-2(F)
Propeller T.C.: P15EA
Blade Model(s): T10173C-8
T10173CK-8
T10173CN-8
T10173CNK-8
Prop Diameter: 93.5" TO 92 3/8"

IDS No.: 732 **Rev.:** 2 **Date:** 9/12/2011

Modifier:
Engine: PT6A-25A
Power: 550 HP @ 2200 RPM
Placard/Restr:

Notes: The aircraft weight limits are min. gross weight of 3100 lbs and max. gross weight of 4200 lbs for Aerobatic Category operation and 5950 lbs for Utility Category operation. D-5203P has holes for dynamic balance weights in bulkhead. Reference Manual 139 for Airworthiness Limitations. Production Assemblies: Supply Pilatus with HPI Kit #A-6452, Slip Ring Assy 4E2442-2 (If requesting De-Ice feature). Pilatus to modify affected parts per SB-21-006.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 83.5 +-1.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10031S	HC-B3TN-2/T10173CN-8/D-5203-P	1	A/C	
PROPELLER	B3N10031SKD	HC-B3TN-2/T10173CN-8/D-5203-P	1	A/C	
PROPELLER	B3N10035	HC-B3TN-2/T10173CNK-8/BULK/DEI	1	A/C	
PROPELLER	B3N10035S	HC-B3TN-2/T10173CNK-8/D-5203-P	1	A/C	
PROPELLER	B3N10035SKD	HC-B3TN-2/T10173CNK-8/D-5203-P	1	A/C	
BLADE	T10173C-8	BLADE	3	Prop	
BLADE	T10173CK-8	BLADE, 4E2200-10 BOOT	3	Prop	
BLADE	T10173CN-8	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10173CNK-8	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5203-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	12	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	
CWT_SLUG	A-619-3	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3840-10	SCREW, 10-32, FILLISTER HEAD	2	Blade	
CWT_SLUG	B-3840-2	IDS Item	2	Blade	
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICE KIT_PR	7931-67-050-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	4E2442-2	SLIP RING ASSEMBLY	1	Prop	See Pilatus SB-21-006
MISC ACCES	A-6452	KIT,RET.VAPOR CYCLE COMP	1	Prop	See Pilatus SB-21-006

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PILATUS

Model: PC-7
Trade Name: TURBO TRAINER
Aircraft T.C./STC: STC-SA8323SW
Propeller Model: HC-B3TN-2
Propeller T.C.: P15EA
Blade Model(s): T10178-8R
T10178N-8R
Prop Diameter: 93.5" TO 91.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 733 **Rev.:** 2 **Date:** 9/12/2011
Modifier: SIERRA IND.
Engine: PT6A-25C
Power: 750 HP @ 2200 RPM
Placard/Restr:
Notes: Min diameter is per vibration approval.
Reference Manual 139 for Airworthiness
Limitations.

Startlock Angle: NA
Feather/High Angle: 83.5 +/-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10178-8R	BLADE	3	Prop	
BLADE	T10178N-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-619-3	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3840-10	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PILATUS

Model: PC-7 MKII
Trade Name: TURBO TRAINER
Aircraft T.C./STC: Unknown
Propeller Model: HC-D4N-2D
Propeller T.C.: P10NE

Blade Model(s): D9512A
D9512AK
Prop Diameter: 96.0" TO 95.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.1

IDS No.: 1194 **Rev.:** 1 **Date:** 9/9/2011
Modifier:
Engine: PT6A-25C
Power: 700 HP @ 2040 RPM
Placard/Restr: Ground Operation: "Prohibit sustained operation at propeller speeds between 1200 and 1700 RPM."
Notes: Refer to Manual 149 for Airworthiness Limitations.

Startlock Angle: NA
Feather/High Angle: 86.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00005S	HC-D4N-2D/D9512A/D-630-1	1	A/C	
PROPELLER	D4N00005SKD	HC-D4N-2D/D9512A/D-630-1	1	A/C	
PROPELLER	D4N00007S	HC-D4N-2D/D9512AK/D-630-1	1	A/C	
BLADE	D9512A	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	D9512AK	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-630-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	B-3384-2H	BOLT, 1/4-28, HEX HEAD	8	Prop	No drive pulley
SPIN MTG KIT	B-3384-9H	BOLT, 1/4-28, HEX HEAD	8	Prop	With drive pulley
SPIN MTG KIT	B-3851-0432	WASHER	8	Prop	With drive pulley
SPIN MTG KIT	B-3851-0432	WASHER	8	Prop	No drive pulley
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	No drive pulley
COUNTERWEIGHT	C-472-2	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-1713	SLUG, COUNTERWEIGHT	4	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICE KIT_PR	7931-67-480-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-67-480-3	DE-ICE KIT (ONE PROP)	1	Prop	w/ Drive pulley
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PILATUS

Model: PC-7 MKII
Trade Name: TURBO TRAINER
Aircraft T.C./STC: Unknown
Propeller Model: HC-D4N-2E
Propeller T.C.: P10NE

IDS No.: 1448 **Rev.:** 3 **Date:** 5/30/2012
Modifier:
Engine: PT6A-25C
Power: 700 HP @ 2040 RPM
Placard/Restr: Ground Operation: "Prohibit sustained operation at propeller speeds between 1200 and 1700 RPM."
Notes: Refer to Manual 149 for Airworthiness Limitations.

Blade Model(s): D9512A
D9512AK
Prop Diameter: 96.0" TO 95.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 86.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00016S	HC-D4N-2E/D9512A/D-630-1P	1	A/C	
PROPELLER	D4N00016SKD	HC-D4N-2E/D9512A/D-630-1P	1	A/C	
PROPELLER	D4N00017S	HC-D4N-2E/D9512AK/D-630-1P	1	A/C	
PROPELLER	D4N00017SKD	HC-D4N-2E/D9512AK/D-630-1P	1	A/C	
PROPELLER	D4N00018SKD	HC-D4N-2E/D9512AK/D-630-1	1	A/C	
BLADE	D9512A	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	D9512AK	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-630-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	B-3384-2H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	8	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	No drive pulley
SP_MT_KIT_DE-ICE	B-3384-9H	BOLT, 1/4-28, HEX HEAD	8	Prop	With drive pulley
SP_MT_KIT_DE-ICE	B-3851-0432	WASHER	8	Prop	With drive pulley
COUNTERWEIGHT	C-472-2	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-1713	SLUG, COUNTERWEIGHT	4	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICE KIT_PR	7931-67-480-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-67-480-3	DE-ICE KIT (ONE PROP)	1	Prop	w/ Drive pulley
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PILATUS

Model: PC-9
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-D4N-2A
Propeller T.C.: P10NE

Blade Model(s): D9512A
 D9512AK
Prop Diameter: 96" TO 95"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

IDS No.: 734 **Rev.:** 1 **Date:** 9/9/2011
Modifier:
Engine: PT6A-62
Power: 950 HP @ 2000 RPM
Placard/Restr: Ground Operation: "Prohibit sustained operation at propeller speeds between 1200 and 1700 RPM."
Notes: Refer to Manual 149 for Airworthiness Limitations.

Startlock Angle: NA
Feather/High Angle: 86.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00002	HC-D4N-2A/D9512A	1	A/C	
PROPELLER	D4N00002S	HC-D4N-2A/D9512A/D-630-1P	1	A/C	
PROPELLER	D4N00002SKD	HC-D4N-2A/D9512A/D-630-1P	1	A/C	
PROPELLER	D4N00004	HC-D4N-2A/D9512AK	1	A/C	
PROPELLER	D4N00004S	HC-D4N-2A/D9512AK/D-630-1P	1	A/C	
BLADE	D9512A	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	D9512AK	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-630-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	B-3384-2H	BOLT, 1/4-28, HEX HEAD	8	Prop	No drive pulley
SPIN MTG KIT	B-3384-9H	BOLT, 1/4-28, HEX HEAD	8	Prop	With drive pulley
SPIN MTG KIT	B-3851-0432	WASHER	8	Prop	
SP_MTG_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-2	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-1713	SLUG, COUNTERWEIGHT	4	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICE KIT_PR	7931-67-480-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-67-480-3	DE-ICE KIT (ONE PROP)	1	Prop	w/ Drive pulley
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PILATUS

Model: PC-9
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-D4N-2AA
Propeller T.C.: P10NE

Blade Model(s): D9512AEK
Prop Diameter: 96" TO 95"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1451 **Rev.:** 1 **Date:** 9/9/2011

Modifier:
Engine: PT6A-62
Power: 950 HP @ 2000 RPM
Placard/Restr: Ground Operation: "Prohibit sustained operation at propeller speeds between 1200 and 1700 RPM."
Notes: Refer to Manual 149 for Airworthiness Limitations.

Startlock Angle: NA
Feather/High Angle: 86.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00011S	HC-D4N-2AA/D9512AEK/D-630-1P	1	A/C	
BLADE	D9512AEK	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-630-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	No drive pulley
COUNTERWEIGHT	C-472-2	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-1713	SLUG, COUNTERWEIGHT	4	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICE KIT_PR	7931-67-480-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-67-480-3	DE-ICE KIT (ONE PROP)	1	Prop	w/ Drive pulley
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PILATUS

Model: PC-12
Trade Name:
Aircraft T.C./STC: A78EU
Propeller Model: HC-E4A-3D
Propeller T.C.: P10NE

IDS No.: 735 **Rev.:** 1 **Date:** 9/4/2012
Modifier:
Engine: PT6A-67B
Power: 1200 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation is prohibited between 350 and 950 RPM. The aircraft weight limit is 5511 lbs. minimum.

Blade Model(s): E10477K
 E10477K*1
Prop Diameter: 105.0" TO 104.0"

Notes:

Prop Setup:

Ref. Radius: 42
Reverse Angle: -17.5 +-0.5
Low Pitch Angle: 19.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 79.6 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4A00110	HC-E4A-3D/E10477K	1	A/C	
PROPELLER	E4A00110KD	HC-E4A-3D/E10477K	1	A/C	
PROPELLER	E4A00110S	HC-E4A-3D/E10477K/D-5500-1	1	A/C	
PROPELLER	E4A00111	HC-E4A-3D/E10477K/BULK/DE-ICE	1	A/C	
PROPELLER	E4A00111KD	HC-E4A-3D/E10477K/BULK/DE-ICE	1	A/C	
PROPELLER	E4A00111S	HC-E4A-3D/E10477K/D-5500-1P	1	A/C	
PROPELLER	E4A00111SKD	HC-E4A-3D/E10477K/D-5500-1P	1	A/C	
PROPELLER	E4A00111SKD	HC-E4A-3D/E10477K[*1/D-5500-1P	1	A/C	
BLADE	E10477K	PCP:BLADE UNIT, ALUM [6,1,1]	4	Prop	Silver painted blade
BLADE	E10477K*1	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	Gray painted blade
SPINNER	D-5500-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5500-1F	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5500-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	D-6021-1	PCP:COUNTERWEIGHT	1	Blade	
COUNTERWEIGHT	D-6021-3	PCP:COUNTERWEIGHT	1	Blade	Superseeds D-6021-1
DE-ICER	102855	DE-ICE BOOT	1	Blade	Superseeds 4E, 4H3051-10
DE-ICER	4H3051-10	DE-ICE BOOT	1	Blade	Superseeds 7931-4E3051-10
DE-ICE KIT_PR	103253	DE-ICE KIT (ONE PROP)	1	Prop	Superseeds 7931-67-925-1
DE-ICE KIT_PR	7931-67-925-1	DE-ICE KIT (ONE PROP)	1	Prop	Used with 4H3051-10 boot only
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	
MISC ACCES	A-3074	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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PILATUS

Model: PC-12/47E
 Trade Name:
 Aircraft T.C./STC: A78EU
 Propeller Model: HC-E4A-3D
 Propeller T.C.: P10NE

IDS No.: 2667 Rev.: 2 Date: 2/1/2011
 Modifier:
 Engine: PT6A-67P
 Power: 1200 HP @ 1700 RPM
 Placard/Restr: Stabilized ground operation is prohibited between 350 and 950 RPM. The aircraft weight limit is 5511 lbs. minimum.

Blade Model(s): E10477SK
 Prop Diameter: 105.0" TO 104.0"

Notes:

Prop Setup:

Ref. Radius 42
 Reverse Angle: -17.5 +- 0.5
 Low Pitch Angle: 19.0 +- 0.2

Startlock Angle: NA
 Feather/High Angle: 79.6 +- 0.5
 Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E4A00112	HC-E4A-3D/E10477SK/BULK/DE-ICE	1	A/C	De-Iced propeller, includes spinner bulkhead but no dome
PROPELLER	E4A00112KD	HC-E4A-3D/E10477SK/BULK/DE-ICE	1	A/C	De-Iced propeller, includes spinner bulkhead but no dome
PROPELLER	E4A00112S	HC-E4A-3D/E10477SK/D-5500-1P	1	A/C	De-Iced propeller, includes polished spinner
PROPELLER	E4A00112SKD	HC-E4A-3D/E10477SK/D-5500-1P	1	A/C	De-Iced propeller, includes polished spinner, dis-assembled for shipment
PROPELLER	E4A00116S	HC-E4A-3D/E10477SK/D-5500-1F	1	A/C	De-Iced propeller, includes chrome spinner
PROPELLER	E4A00116SKD	HC-E4A-3D/E10477SK/D-5500-1F	1	A/C	De-Iced propeller, includes chrome spinner, dis-assembled for shipment
BLADE	E10477SK	PCP:BLADE UNIT, ALUMINUM	4	Prop	Booted blade
SPINNER	D-5500-1	SPINNER ASSEMBLY			Buffed spinner (surface suitable for paint)
SPINNER	D-5500-1F	SPINNER ASSEMBLY	1	Prop	Spinner has Chrome Finish
SPINNER	D-5500-1P	SPINNER ASSEMBLY	1	Prop	Polished spinner
SP_MT_KIT_DE-ICE	A-2070-10	SCREW, 1/4-28, BUTTON HEAD	8	Prop	Included with every de-iced prop on this IDS
COUNTERWEIGHT	D-6021-1	PCP:COUNTERWEIGHT	1	Blade	Use only with 4H3051-10 Boot
COUNTERWEIGHT	D-6021-3	PCP:COUNTERWEIGHT	1	Blade	Superseeds D-6021-1
DE-ICER	102855	DE-ICE BOOT	1	Blade	Superseeds 4E,4H3051-10
DE-ICER	4H3051-10	DE-ICE BOOT	1	Blade	Replaced by 102855 for new production, blade component
DE-ICE KIT_PR	103253	DE-ICE KIT (ONE PROP)	1	Prop	Superseeds 7931-67-925-1
DE-ICE KIT_PR	7931-67-925-1	DE-ICE KIT (ONE PROP)	1	Prop	Used with 4H3051-10 boot only
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	Included with every prop on this IDS
MISC ACCES	A-3074	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	Included with every prop on this IDS

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PILATUS

Model: PC-21
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-E5A-2
Propeller T.C.: P20NE

Blade Model(s): E9193B
 E9193K

Prop Diameter: 94

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

IDS No.: 2452 **Rev.:** 2 **Date:** 9/9/2011

Modifier:
Engine: PT6A-68B
Power: 1600 HP @ 2000 RPM
Placard/Restr: Avoid continuous ground operation above 1600 RPM when surface winds are from behind the propeller disc.
Notes: Reference Manual 147 for Airworthiness Limitations.

Startlock Angle: NA
Feather/High Angle: 86.9 +0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: N/A

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E5A00700	HC-E5A-2/E9193B	1	A/C	
PROPELLER	E5A00700KD	HC-E5A-2/E9193B	1	A/C	
PROPELLER	E5A00700S	HC-E5A-2/E9193B/E-7480	1	A/C	
PROPELLER	E5A00700SKD	HC-E5A-2/E9193B/E-7480	1	A/C	
PROPELLER	E5A00750	HC-E5A-2/E9193K	1	A/C	
PROPELLER	E5A00750KD	HC-E5A-2/E9193K	1	A/C	
PROPELLER	E5A00750S	HC-E5A-2/E9193K/E-7480	1	A/C	
PROPELLER	E5A00750SKD	HC-E5A-2/E9193K/E-7480	1	A/C	
PROPELLER	E5A00751	HC-E5A-2/E9193K/BULK/DE-ICE	1	A/C	
PROPELLER	E5A00751KD	HC-E5A-2/E9193K/BULK/DE-ICE	1	A/C	
PROPELLER	E5A00751KD	HC-E5A-2/E9193K/BULK/DE-ICE	1	A/C	
BLADE	E9193B	PCP:BLADE ASSY, COMP,4H4072-2	5	Prop	
BLADE	E9193K	PCP:BLADE ASSY, COMP,4H4072-1	5	Prop	
SPINNER	E-7480	SPINNER ASSEMBLY, COMPOSITE	1	Prop	
COUNTERWEIGHT	C-472-16	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H4072-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E4072-1
DE-ICER	4H4072-2	FAIRING, RUBBER	1	Blade	Supersedes 7931-4E4072-2
DE-ICE KIT_PR	103769	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	C-6006	NUT,MOUNTING,9/16-18,12 POINT	12	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (12")

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PINE AIR

Model: see KWAD

Trade Name:

Aircraft T.C./STC:

Propeller Model:

Propeller T.C.:

Blade Model(s):

Prop Diameter:

Prop Setup:

Ref. Radius

Reverse Angle:

Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 736

Rev.:

Date: 10/2/1992

Modifier:

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle:

Non-HPI Governor:

PIPER

Model: PA-31T, T1

Trade Name: CHEYENNE

Aircraft T.C./STC: SA00863SE

Propeller Model: HC-B3TN-3B

Propeller T.C.: P15EA

Blade Model(s): T10178B-8R

Prop Diameter: 93.5

Prop Setup:

Ref. Radius 30

Reverse Angle: -11.0 +-0.5

Low Pitch Angle: 20.2 +-0.1

Non-HPI Items:

Non-HPI Spinner: PIPER

Hartzell Approved Items:

IDS No.: 2833

Rev.:

Date: 1/5/2009

Modifier: Blackhawk Modifications, Inc.

Engine: PT6A-135, -135A

Power: 620 HP @ 1900 RPM

Placard/Restr:

Notes: PA-31T uses 620 HP engine rating; PA-31T1 uses 500 HP engine rating

Startlock Angle: N/A

Feather/High Angle: 88.2 +-0.5

Cwt Angle: POSITIVE

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10178B-8R	BLADE (NO.6), 4E1188-6 BOOT	3	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PIPER

Model: PA-36-285, PA-36-300
Trade Name: Brave
Aircraft T.C./STC: SA1291CE
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8475R
Prop Diameter: 86" to 80"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.0 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00094	HC-C3YR-1RF/F8475R	1	A/C	
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3552-1	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-1A	IDS ITEM	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 3216 **Rev.:** **Date:** 2/19/2013
Modifier: Clinton R. Anderson
Engine: IO-720-A1B
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 25.0 +/- 0.5
Cwt Angle:

Non-HPI Governor:

PIPER

Model: PA-36-300
Trade Name: Brave
Aircraft T.C./STC: STC SVA 529
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-92

Blade Model(s): F8475T+2
Prop Diameter: 86" no cut off

Prop Setup:

Ref. Radius
Reverse Angle: 30 N/A
Low Pitch Angle: 12.0 +/- 0.2

Non-HPI Items:

Non-HPI Spinner: Piper Drawing 99374 (taken from)

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R00054	HC-C2YR-1BF/F8475T+2/SM14	1	A/C	
BLADE	F8475T+2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	Used only if 3-blade Hartzell is being replaced.
SPINNER	835-23P	SPINNER ASSEMBLY	1	Prop	Used only if 3-blade Hartzell is being replaced.
SPIN MTG KIT	A-2476-14	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 3252 **Rev.:** **Date:** 7/24/2013
Modifier: Tapp's Aviation Pty Ltd.
Engine: IO-540-K1G5
Power: 300 HP @ 2700 RPM
Placard/Restr: DO NOT EXCEED 24 INCHES MANIFOLD PRESSURE BETWEEN 2300 AND 2475 RPM

Notes: If a Hartzell 2-blade prop is replaced, use the original Piper spinner. If a Hartzell 3-blade prop is replaced, use Hartzell spinner 835-23.

Startlock Angle: N/A
Feather/High Angle: 29.0 +/- 1
Cwt Angle: .0

Non-HPI Governor: m aircraft TCDS)

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PIPER

Model: PA-14
Trade Name: FAMILY CRUISER
Aircraft T.C./STC: STC-SA196SW
Propeller Model: HC-82VL-6F, HC-A2VL-6F
Propeller T.C.: P24EA
Blade Model(s): V7636D-4
V7636N-4

Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

IDS No.: 2232 **Rev.:** **Date:** 6/22/2004
Modifier: JB SIMPSON
Engine: O-235-C1
Power: 115 HP @ 2800 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.5 +-1.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30

PIPER

Model: PA-14
Trade Name: FAMILY CRUISER
Aircraft T.C./STC: STC-SA196SW
Propeller Model: HC-A2MVL-6F
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

IDS No.: 738 **Rev.:** **Date:** 1/12/2004
Modifier: JB SIMPSON
Engine: O-235-C1
Power: 115 HP @ 2800 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.5 +-1.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30

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PIPER

Model: PA-18
Trade Name: SUPER CUB
Aircraft T.C./STC: STO1919CH
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F8468A-4
Prop Diameter: 76"

IDS No.: 2482 **Rev.:** **Date:** 5/25/2004
Modifier: PROFESSIONAL PILOTS, INC
Engine: O-320-B2B
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes: Engine is modified to use a constant speed prop in accordance with Lycoming Service Instruction 1435.

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 10.0 +-0.1

Startlock Angle:
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00057	HC-C2YL-1BF/F8468A-4/SM4	1	A/C	
BLADE	F8468A-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-4203-P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

PIPER

Model: PA-18
Trade Name: SUPER CUB
Aircraft T.C./STC: STO1919CH
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
Prop Diameter: 80" TO 78"

IDS No.: 2038 **Rev.:** 1 **Date:** 2/1/2013
Modifier: PROFESSIONAL PILOTS
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Must use C-1576 damper assembly

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 30.9 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00065	HC-C2YR-1BF/F8477-4/SM16	1	A/C	
PROPELLER	C2R00074	HC-C2YR-1BF/F8477-4/SM16/C1576	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V-3-22	GOVERNOR ASSEMBLY, V-3-()	1	A/C	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

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PIPER

Model: PA-18A-150
Trade Name: SUPER CUB
Aircraft T.C./STC: STC-SA4-254
Propeller Model: HC-82VL-6F, HC-A2VL-6F
Propeller T.C.: P24EA
Blade Model(s): V7636D-4
V7636N-4

Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2235 **Rev.:** **Date:** 1/12/2004
Modifier: ELLEN BELLOTI
Engine: O-320-A2A, -A2B
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.5 +-1.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30

PIPER

Model: PA-18A-150
Trade Name: SUPER CUB
Aircraft T.C./STC: STC-SA4-254
Propeller Model: HC-A2MVL-6F
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 742 **Rev.:** **Date:** 1/12/2004
Modifier: ELLEN BELLOTI
Engine: O-320-A2A, -A2B
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.5 +-1.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30

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PIPER

Model: PA-18(A)(S)-150
Trade Name: SUPER CUB
Aircraft T.C./STC: STC-SA284AL
Propeller Model: HC-C2YL-1B
Propeller T.C.: P-920
Blade Model(s): F7663-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

IDS No.: 740 **Rev.:** **Date:** 10/2/1992
Modifier: BACHNERS A/C
Engine: O-320
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

PIPER

Model: PA-18(A)(S)-150
Trade Name: SUPER CUB
Aircraft T.C./STC: STC-SA284AL
Propeller Model: HC-A2XL-1 HC-A2XL-2, HC-A2XL-6
Propeller T.C.: P24EA
Blade Model(s): 7636-4
7636D-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	2	Prop	
BLADE	7636D-4	BLADE	2	Prop	

IDS No.: 2233 **Rev.:** **Date:** 11/21/2003
Modifier: BACHNERS A/C
Engine: O-320-A2A, -A2A
Power: 150 HP @ 2700 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

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PIPER

Model: PA-18(A)(S)-150
Trade Name: SUPER CUB
Aircraft T.C./STC: STC-SA284AL
Propeller Model: HC-A2VL-1, HC-A2VL-2, HC-A2VL-6
Propeller T.C.: P24EA
Blade Model(s): V7636D-4
V7636N-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2234 **Rev.:** **Date:** 11/21/2003
Modifier: BACHNERS A/C
Engine: O-320-A2A, -A2A
Power: 150 HP @ 2700 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	

PIPER

Model: PA-18(A)(S)-150
Trade Name: SUPER CUB
Aircraft T.C./STC: STC-SA284AL
Propeller Model: HC-A2MVL-1,-6F
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 739 **Rev.:** **Date:** 5/17/1998
Modifier: BACHNERS A/C
Engine: O-320-A2A, -A2A
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	

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PIPER

Model: PA-18(A)(S)-150
Trade Name: SUPER CUB
Aircraft T.C./STC: STC-SA4-1143
Propeller Model: HC-A2MVL-6F
Propeller T.C.: P24EA
Blade Model(s): MV7636N-2
Prop Diameter: 74.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30

IDS No.: 741 **Rev.:** **Date:** 1/12/2004
Modifier: WESTERN COMMANDER
Engine: O-320-A3B
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.5 +-1.5
Cwt Angle:

Non-HPI Governor:

PIPER

Model: PA-22-150, PA-22S-150
Trade Name: TRIPACER
Aircraft T.C./STC: 1A6
Propeller Model: HC-A2MVL-6F
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6	IDS Item	1	Prop	Superseded by 835-30

IDS No.: 743 **Rev.:** **Date:** 1/12/2004
Modifier:
Engine: O-320-A1A, -A1B
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 26.0 +-0.5
Cwt Angle:

Non-HPI Governor:

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PIPER

Model: PA-23
Trade Name: APACHE
Aircraft T.C./STC: 1A10
Propeller Model: HC-82XL-2, HC-A2XL-2
Propeller T.C.: P24EA
Blade Model(s): 7636D
Prop Diameter: 76.2" TO 74.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2236 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: O-320-A(1,3)(A,B)
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636D	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

PIPER

Model: PA-23
Trade Name: APACHE
Aircraft T.C./STC: 1A10
Propeller Model: HC-82XL-2, HC-A2XL-2
Propeller T.C.: P24EA
Blade Model(s): 7636-4
7636D-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2237 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: O-320-A(1,3)(A,B)
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	2	Prop	
BLADE	7636D-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-6489-20	BOLT,7/16-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

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PIPER

Model: PA-23
Trade Name: APACHE
Aircraft T.C./STC: 1A10
Propeller Model: HC-82VL-2, HC-A2VL-2
Propeller T.C.: P24EA
Blade Model(s): V7636D-4
V7636N-4

Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2238 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: O-320-A(1,3)(A,B)
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +/-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-6489-20	BOLT,7/16-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

PIPER

Model: PA-23
Trade Name: APACHE
Aircraft T.C./STC: 1A10
Propeller Model: HC-A2VL-2
Propeller T.C.: P24EA
Blade Model(s): V7636
V7636N

Prop Diameter: 76.2" TO 74.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2320 **Rev.:** **Date:** 11/24/2003

Modifier:
Engine: O-320-A(1,3)(A,B)
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.5 +/-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636	IDS ITEM	2	Prop	
BLADE	V7636N	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

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PIPER

Model: PA-23
 Trade Name: APACHE
 Aircraft T.C./STC: 1A10
 Propeller Model: HC-A2MVL-2
 Propeller T.C.: P24EA
 Blade Model(s): MV7636N
 Prop Diameter: 76.2" TO 74.5"

IDS No.: 744 Rev.: Date: 5/17/1998
 Modifier:
 Engine: O-320-A(1,3)(A,B)
 Power: 150 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 10.0 +-0.1

Startlock Angle: NA
 Feather/High Angle: 80.5 +-0.5
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV7636N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

PIPER

Model: PA-23
 Trade Name: APACHE
 Aircraft T.C./STC: 1A10
 Propeller Model: HC-A2MVL-2
 Propeller T.C.: P24EA
 Blade Model(s): MV7636N-4
 Prop Diameter: 72.2" TO 70"

IDS No.: 745 Rev.: 1 Date: 1/10/2011
 Modifier:
 Engine: O-320-A(1,3)(A,B)
 Power: 150 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 12.0 +-0.1

Startlock Angle: NA
 Feather/High Angle: 80.0 +-0.5
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A2L10020	HC-A2MVL-2/MV7636N-4	2	A/C	
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-6489-20	BOLT,7/16-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

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PIPER

Model: PA-23
Trade Name: APACHE
Aircraft T.C./STC: STC-SA00721CH
Propeller Model: HC-C2YL-2CUF
Propeller T.C.: P-920
Blade Model(s): FC7663-4*2
 FC7663-4*3
Prop Diameter: 72" TO 71"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8+- 0.2

IDS No.: 1202 **Rev.:** **Date:** 11/18/2004
Modifier: HARTZELL PROPELLER
Engine: O-320
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 17.3 +-1.5
Feather/High Angle: 78.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: Woodward

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2L00106	HC-C2YL-2CUF/FC7663-4[*2]	2	A/C	
PROPELLER	C2L00106STP	C2L00106/836-29P/TWIN	2	A/C	
BLADE	FC7663-4*2	PCP:BLADE UNIT, B-3202H-5 CWT	2	Prop	
BLADE	FC7663-4*3	IDS ITEM,[3,1,1],B-3202H-5 CWT	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-29P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

PIPER

Model: PA-23
Trade Name: APACHE
Aircraft T.C./STC: STC-SA1-6
Propeller Model: HC-82XL-2, HC-A2XL-2
Propeller T.C.: P24EA
Blade Model(s): 7636-4
 7636D-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

IDS No.: 2252 **Rev.:** **Date:** 11/21/2003
Modifier: HARTZELL PROPELLER
Engine: O-320-A1A, -A1B, -A3A, -A3B
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	7636-4	BLADE	2	Prop	
BLADE	7636D-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

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PIPER

Model: PA-23
Trade Name: APACHE
Aircraft T.C./STC: STC-SA1-6
Propeller Model: HC-82VL-2, HC-A2VL-2
Propeller T.C.: P24EA
Blade Model(s): V7636D-4
V7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2253 **Rev.:** **Date:** 11/21/2003
Modifier: HARTZELL PROPELLER
Engine: O-320-A1A, -A1B, -A3A, -A3B
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +/-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

PIPER

Model: PA-23
Trade Name: APACHE
Aircraft T.C./STC: STC-SA1-6
Propeller Model: HC-A2MVL-2
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 755 **Rev.:** **Date:** 5/17/1998
Modifier: HARTZELL PROPELLER
Engine: O-320-A1A, -A1B, -A3A, -A3B
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +/-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

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PIPER

Model: PA-23 SERIES
Trade Name: APACHE
Aircraft T.C./STC: STC-SA2-1088
Propeller Model: HC-82XL-2, HC-A2XL-2, HC-82XL-2B
Propeller T.C.: P24EA
Blade Model(s): 7636-4
7636D-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	2	Prop	
BLADE	7636D-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2254 **Rev.:** **Date:** 11/21/2003

Modifier: TW SMITH INC
Engine: O-320-B3B
Power: 160 HP @ 2700 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

PIPER

Model: PA-23 SERIES
Trade Name: APACHE
Aircraft T.C./STC: STC-SA2-1088
Propeller Model: HC-82VL-2, HC-A2VL-2, HC-82VL-2B
Propeller T.C.: P24EA
Blade Model(s): V7636D-4
V7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2255 **Rev.:** **Date:** 11/21/2003

Modifier: TW SMITH INC
Engine: O-320-B3B
Power: 160 HP @ 2700 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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PIPER

Model: PA-23 SERIES
Trade Name: APACHE
Aircraft T.C./STC: STC-SA2-1088
Propeller Model: HC-A2MVL-2
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

IDS No.: 756 **Rev.:** **Date:** 5/17/1998
Modifier: TW SMITH INC
Engine: O-320-B3B
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +0.5
Cwt Angle: Positive

Non-HPI Governor:

PIPER

Model: PA-23
Trade Name: APACHE
Aircraft T.C./STC: STC-SA4-783
Propeller Model: HC-82XL-2, HC-A2XL-2, HC-82XL-2C
Propeller T.C.: P24EA
Blade Model(s): 7636D
 8433-12
Prop Diameter: 72.2", 76.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	7636D	BLADE	2	Prop	
BLADE	8433-12	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-6	IDS Item	1	Prop	

IDS No.: 2256 **Rev.:** **Date:** 11/21/2003
Modifier: MCKENZIE FLYING SERVICE
Engine: O-340-A1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

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PIPER

Model: PA-23
Trade Name: APACHE
Aircraft T.C./STC: STC-SA4-783
Propeller Model: HC-A2VL-2, HC-82VL-2C
Propeller T.C.: P24EA
Blade Model(s): V7636
V7636N
V8433N-12
Prop Diameter: 72.2", 76.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

IDS No.: 2322 **Rev.:** **Date:** 11/24/2003
Modifier: McKENZIE FLYING SERVICE
Engine: O-340-A1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636	IDS ITEM	2	Prop	
BLADE	V7636N	BLADE	2	Prop	
BLADE	V8433N-12	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-6	IDS Item	1	Prop	

PIPER

Model: PA-23
Trade Name: APACHE
Aircraft T.C./STC: STC-SA4-783
Propeller Model: HC-A2MVL-2
Propeller T.C.: P24EA
Blade Model(s): MV7636N
MV8433N-12
Prop Diameter: 72.2", 76.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

IDS No.: 757 **Rev.:** **Date:** 5/17/1998
Modifier: McKENZIE FLYING SERVICE
Engine: O-340-A1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	MV8433N-12	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-6	IDS Item	2	A/C	

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PIPER

Model: PA-23
Trade Name: APACHE
Aircraft T.C./STC: STC-SA3-728/SA29CE
Propeller Model: HC-92ZK-2B
Propeller T.C.: P892
Blade Model(s): 8447-12A
8447N-12A

Prop Diameter: 71.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.25 +-0.25

IDS No.: 762 **Rev.:** 1 **Date:** 1/10/2011
Modifier: JACKSON M. REED
Engine: O-360-A1D
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8447-12A	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447N-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	

PIPER

Model: PA-23
Trade Name: APACHE
Aircraft T.C./STC: STC-SA3-728/SA29CE
Propeller Model: HC-C2YK-2RBF
Propeller T.C.: P-920

Blade Model(s): F7666-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.25 +-0.25

IDS No.: 761 **Rev.:** **Date:** 8/26/2006
Modifier: Jackson M. Reed
Engine: O-360-A1D
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: 19.75 +-1.50
Feather/High Angle: 83.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7666-4	IDS Item	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-23
Trade Name: APACHE
Aircraft T.C./STC: STC-SA285CE
Propeller Model: HC-C2YK-2RBF
Propeller T.C.: P-920
Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 760 **Rev.:** **Date:** 10/2/1992
Modifier: KWAD CO.
Engine: IO-360-B1B
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 19.5 +-1.5
Feather/High Angle: 80.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-21	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-3	IDS Item	2	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-23
Trade Name: APACHE
Aircraft T.C./STC: STC-SA1306SW
Propeller Model: HC-C2YK-2CF
Propeller T.C.: P-920
Blade Model(s): FC7666A-4*1
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

IDS No.: 758 **Rev.:** **Date:** 10/2/1992
Modifier: JW MILLER AVIATION
Engine: IO-360-C1C
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 20.5 +-1.5
Feather/High Angle: 80.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC7666A-4*1	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-23-160
 Trade Name: APACHE
 Aircraft T.C./STC: 1A10
 Propeller Model: HC-82XL-2, HC-A2XL-2
 Propeller T.C.: P24EA
 Blade Model(s): 7636D
 Prop Diameter: 76.2" TO 74.5"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 10.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	7636D	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	2	Prop	
GOVERNOR	B4-2	GOVERNOR ASSEMBLY, B-4(-)	1	Prop	

IDS No.: 2239 Rev.: Date: 6/22/2004

Modifier:
 Engine: O-320-(B,C)(1,3)(A,B)
 Power: 160 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 80.5 +-0.5
 Cwt Angle: Positive

Non-HPI Governor: WOODWARD

PIPER

Model: PA-23-160
 Trade Name: APACHE
 Aircraft T.C./STC: 1A10
 Propeller Model: HC-82XL-2, HC-A2XL-2
 Propeller T.C.: P24EA
 Blade Model(s): 7636-4
 7636D-4
 Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	7636-4	BLADE	2	Prop	
BLADE	7636D-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-3	IDS Item	1	Prop	

IDS No.: 2240 Rev.: Date: 11/21/2003

Modifier:
 Engine: O-320-(B,C)(1,3)(A,B)
 Power: 160 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 80.0 +-0.5
 Cwt Angle: Positive

Non-HPI Governor: WOODWARD

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PIPER

Model: PA-23-160
Trade Name: APACHE
Aircraft T.C./STC: 1A10
Propeller Model: HC-82VL-2, HC-A2VL-2
Propeller T.C.: P24EA
Blade Model(s): V7636D-4
V7636N-4

Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2241 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: O-320-(B,C)(1,3)(A,B)
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-3	IDS Item	1	Prop	

PIPER

Model: PA-23-160
Trade Name: APACHE
Aircraft T.C./STC: 1A10
Propeller Model: HC-A2VL-2
Propeller T.C.: P24EA
Blade Model(s): V7636
V7636N

Prop Diameter: 76.2" TO 74.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2321 **Rev.:** **Date:** 11/24/2003

Modifier:
Engine: O-320-(B,C)(1,3)(A,B)
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636	IDS ITEM	2	Prop	
BLADE	V7636N	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-2	GOVERNOR ASSEMBLY, B-4(-)	1	Prop	

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PIPER

Model: PA-23-160
Trade Name: APACHE
Aircraft T.C./STC: 1A10
Propeller Model: HC-A2MVL-2
Propeller T.C.: P24EA
Blade Model(s): MV7636N
Prop Diameter: 76.2" TO 74.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.1

IDS No.: 746 **Rev.:** **Date:** 5/17/1998

Modifier:
Engine: O-320-(B,C)(1,3)(A,B)
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-2	GOVERNOR ASSEMBLY, B-4(-)	2	A/C	

PIPER

Model: PA-23-160
Trade Name: APACHE
Aircraft T.C./STC: 1A10
Propeller Model: HC-A2MVL-2
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

IDS No.: 747 **Rev.:** **Date:** 5/17/1998

Modifier:
Engine: O-320-(B,C)(1,3)(A,B)
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-3	IDS Item	2	A/C	

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PIPER

Model: PA-23, PA-23-160
Trade Name: APACHE
Aircraft T.C./STC: SA899SW
Propeller Model: HC-C2YK-2RB(F)
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 14.5 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00521	HC-C2YK-2RBF/F7666A-2	2	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-21	SPINNER ASSEMBLY	1	Prop	Starter Ring Gear Mounted
SPINNER	835-21P	SPINNER ASSEMBLY	1	Prop	Starter Ring Gear Mounted
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2666 **Rev.:** **Date:** 12/11/2006
Modifier: APACHE MODIFICATION AIRCRAFT
Engine: O-360-A1D
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000-2250 RPM.

Notes:

Startlock Angle: 20.0 +/- 1.5
Feather/High Angle: 80.0 +/-0.5
Cwt Angle:

Non-HPI Governor:

PIPER

Model: PA-23, PA-23-160
Trade Name: APACHE
Aircraft T.C./STC: STC-SA1-5
Propeller Model: HC-A2XL-2, HC-82XL-2, HCA2SL-2C, HC-82XL-2C

Propeller T.C.: P24EA
Blade Model(s): 7636-4
 7636D-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	2	Prop	
BLADE	7636D-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-4	IDS Item	1	Prop	

IDS No.: 2248 **Rev.:** **Date:** 11/21/2003
Modifier: HARTZELL PROPELLER
Engine: O-320-A(1,3)(A,B)-150hp
Power: 150 HP @ 2700 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +/-1.0
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

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PIPER

Model: PA-23, PA-23-160
Trade Name: APACHE
Aircraft T.C./STC: STC-SA1-5
Propeller Model: HC-A2VL-2, HC-82VL-2, HC-A2VL-2C, HC-82VL-2C
Propeller T.C.: P24EA
Blade Model(s): V7636D-4
V7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2249 **Rev.:** **Date:** 11/21/2003
Modifier: HARTZELL PROPELLER
Engine: O-320-A(1,3)(A,B)-150hp
Power: 150 HP @ 2700 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-4	IDS Item	1	Prop	

PIPER

Model: PA-23, PA-23-160
Trade Name: APACHE
Aircraft T.C./STC: STC-SA1-5
Propeller Model: HC-A2MVL-2
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 753 **Rev.:** **Date:** 5/17/1998
Modifier: HARTZELL PROPELLER
Engine: O-320-A(1,3)(A,B)-150hp
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-4	IDS Item	2	A/C	

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PIPER

Model: PA-23, PA-23-160
Trade Name: APACHE
Aircraft T.C./STC: STC-SA1-5
Propeller Model: HC-A2XL-2, HC-82XL-2
Propeller T.C.: P24EA
Blade Model(s): 7636-4
7636D-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2250 **Rev.:** **Date:** 11/21/2003
Modifier: HARTZELL PROPELLER
Engine: O-320-(B,C)(1,3)(A,B)
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	2	Prop	
BLADE	7636D-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-5	IDS Item	1	Prop	

PIPER

Model: PA-23, PA-23-160
Trade Name: APACHE
Aircraft T.C./STC: STC-SA1-5
Propeller Model: HC-A2VL-2, HC-82VL-2
Propeller T.C.: P24EA
Blade Model(s): V7636D-4
V7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2251 **Rev.:** **Date:** 11/21/2003
Modifier: HARTZELL PROPELLER
Engine: O-320-(B,C)(1,3)(A,B)
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-5	IDS Item	1	Prop	

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PIPER

Model: PA-23, PA-23-160
Trade Name: APACHE
Aircraft T.C./STC: STC-SA1-5
Propeller Model: HC-A2MVL-2
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 754 **Rev.:** **Date:** 5/17/1998
Modifier: HARTZELL PROPELLER
Engine: O-320-(B,C)(1,3)(A,B)
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-5	IDS Item	2	A/C	

PIPER

Model: PA-23-160
Trade Name: APACHE
Aircraft T.C./STC: STC-SA395WE
Propeller Model: HC-C2YK-2RBF
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 763 **Rev.:** **Date:** 8/26/2006
Modifier: MET-CO-AIR
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM
Notes:

Startlock Angle: NA
Feather/High Angle: 79.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00520	HC-C2YK-2RBF/F7666A-2	2	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-29P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-23, PA-23-160
Trade Name: APACHE
Aircraft T.C./STC: STC-SA899SW
Propeller Model: HC-C2YK-2CUF
Propeller T.C.: P-920

Blade Model(s): FC7666A-2*2
 FC7666A-4Q*1

Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1492 **Rev.:** **Date:** 8/26/2006
Modifier: APACHE MODIFICATION AIRCRAFT
Engine: O-360-A1D
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: 18.0 - 21.0

Feather/High Angle: 79.0 +-1.0

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00471	HC-C2YK-2CUF/FC7666A-2[*2]	2	A/C	
PROPELLER	C2K00481	HC-C2YK-2CUF/FC7666A-4Q[*1]	2	A/C	
BLADE	FC7666A-2*2	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
BLADE	FC7666A-4Q*1	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-29P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-23-160
Trade Name: APACHE
Aircraft T.C./STC: STC-SA1306SW
Propeller Model: HC-C2YK-2CF
Propeller T.C.: P-920

Blade Model(s): FC7666A-4*1

Prop Diameter: 72"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 759 **Rev.:** **Date:** 10/2/1992

Modifier: JW MILLER AV.
Engine: IO-360-C1C
Power: 200 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: 20.5 +-1.5

Feather/High Angle: 80.0 +-1.0

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC7666A-4*1	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-23-235
Trade Name: APACHE
Aircraft T.C./STC: 1A10
Propeller Model: HC-82XK-2, HC-A2XK-2
Propeller T.C.: P24EA
Blade Model(s): 8433-10
Prop Diameter: 74.2" TO 73"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +/-0.2

Non-HPI Items:

Non-HPI Spinner: PIPER

IDS No.: 2242 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: O-540-B1A5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +/-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-10	BLADE	2	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Primary
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Secondary

PIPER

Model: PA-23-235
Trade Name: APACHE
Aircraft T.C./STC: 1A10
Propeller Model: HC-82VK-2, HC-A2VK-2
Propeller T.C.: P24EA
Blade Model(s): V8433-10
V8433N-10
Prop Diameter: 74.2" TO 73"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +/-0.2

Non-HPI Items:

Non-HPI Spinner: PIPER

IDS No.: 2243 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: O-540-B1A5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +/-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-10	BLADE	2	Prop	
BLADE	V8433N-10	BLADE	2	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Primary
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Secondary

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PIPER

Model: PA-23-235
Trade Name: APACHE
Aircraft T.C./STC: 1A10
Propeller Model: HC-A2MVK-2
Propeller T.C.: P24EA
Blade Model(s): MV8433N-10
Prop Diameter: 74.2" TO 73"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +0.2

IDS No.: 748 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: O-540-B1A5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A2K10041	HC-A2MVK-2/MV8433N-10	2	A/C	
BLADE	MV8433N-10	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Primary
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Secondary

PIPER

Model: PA-23-235, 250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA495CE
Propeller Model: HC-83XK-2B, HC-A3XK-2B
Propeller T.C.: P6EA
Blade Model(s): 7636-4
7636D-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.1

IDS No.: 2263 **Rev.:** **Date:** 11/21/2003
Modifier: ROBERT WILLIAMS
Engine: O-540-A1B5, -A1D5, -A3D5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 81.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	3	Prop	
BLADE	7636D-4	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

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PIPER

Model: PA-23-235, 250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA495CE
Propeller Model: HC-83VK-2B, HC-A3VK-2B
Propeller T.C.: P6EA
Blade Model(s): V7636D-4
V7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.1

IDS No.: 2264 **Rev.:** **Date:** 11/21/2003
Modifier: ROBERT WILLIAMS
Engine: O-540-A1B5, -A1D5, -A3D5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 81.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	3	Prop	
BLADE	V7636N-4	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	3	Prop	

PIPER

Model: PA-23-235, 250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA495CE
Propeller Model: HC-A3MVK-2B
Propeller T.C.: P6EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.1

IDS No.: 771 **Rev.:** 1 **Date:** 1/10/2011
Modifier: ROBERT WILLIAMS
Engine: O-540-A1B5, -A1D5, -A3D5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 81.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	3	Prop	

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PIPER

Model: PA-23-235, 250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA495CE
Propeller Model: HC-83XK-2B, HC-A3XK-2B
Propeller T.C.: P6EA
Blade Model(s): 7636-4
7636D-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.1

IDS No.: 2261 **Rev.:** **Date:** 11/21/2003
Modifier: ROBERT WILLIAMS
Engine: O-540-B1A5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 81.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	3	Prop	
BLADE	7636D-4	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	3	Prop	

PIPER

Model: PA-23-235, 250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA495CE
Propeller Model: HC-83VK-2B, HC-A3VK-2B
Propeller T.C.: P6EA
Blade Model(s): V7636D-4
V7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.1

IDS No.: 2262 **Rev.:** **Date:** 11/21/2003
Modifier: ROBERT WILLIAMS
Engine: O-540-B1A5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 81.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	3	Prop	
BLADE	V7636N-4	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	3	Prop	

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PIPER

Model: PA-23-235, 250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA495CE
Propeller Model: HC-A3MVK-2B
Propeller T.C.: P6EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +0.1

IDS No.: 770 **Rev.:** 1 **Date:** 1/10/2011
Modifier: ROBERT WILLIAMS
Engine: O-540-B1A5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 81.0 +0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	3	Prop	

PIPER

Model: PA-23-250, PA-E23-250
Trade Name: AZTEC
Aircraft T.C./STC: 1A10
Propeller Model: HC-E2YR-2RBSF
Propeller T.C.: P9EA
Blade Model(s): F8465-7R
 F8465B-7R
Prop Diameter: 77.0" TO 76.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +0.2

IDS No.: 751 **Rev.:** 1 **Date:** 10/9/2013
Modifier:
Engine: IO-540-C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes: "K" Flange also approved. Deice installed per BFG STC SA195EA.

Startlock Angle: 20.0 +-1.5
Feather/High Angle: 80.0 +-1.0
Cwt Angle: NA

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E2R00170	HC-E2YR-2RBSF/F8465-7R/SM4	2	A/C	
PROPELLER	E2R00180	HC-E2YR-2RBSF/F8465B-7R/SM4	2	A/C	
BLADE	F8465-7R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F8465B-7R	PCP:BLADE UNIT, ALUM 4H1188-3	2	Prop	
GOVERNOR	F6-28	GOVERNOR ASSEMBLY, F-6-()	2	A/C	For wide deck engines
GOVERNOR	F6-5A	GOVERNOR ASSEMBLY, F-6-()	2	A/C	
GOVERNOR	F8-28	GOVERNOR ASSEMBLY, F-8-()	2	A/C	For wide deck engines
GOVERNOR	F8-5A	IDS Item	2	A/C	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICE KIT_PR	7931-77-870-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-23-250, PA-E23-250
Trade Name: AZTEC
Aircraft T.C./STC: 1A10
Propeller Model: HC-E2YR-2RBSF
Propeller T.C.: P9EA
Blade Model(s): F8465-7R
 F8465B-7R
 F8465B-7R*1
Prop Diameter: 77" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.2 +-0.1

IDS No.: 752 **Rev.:** **Date:** 6/20/2008
Modifier:
Engine: TIO-540-C1A
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 20.7 +-1.5
Feather/High Angle: 80.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E2R00179	HC-E2YR-2RBSF/F8465B-7R			
PROPELLER	E2R00181	HC-E2YR-2RBSF/F8465B-7R[*1]	2	A/C	
BLADE	F8465-7R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F8465B-7R	PCP:BLADE UNIT, ALUM 4H1188-3	2	Prop	
BLADE	F8465B-7R*1	PCP:BLADE UNIT,ALUM 4H1214-2	2	Prop	
GOVERNOR	F6-5A	GOVERNOR ASSEMBLY, F-6-()	2	A/C	Narrow Deck Only
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICER	4H1214-2	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	7931-77-170	IDS ITEM		Prop	1/2 per Prop (1 per AC)
DE-ICE KIT_PR	7931-77-870	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-23-250; SN<27-2000
Trade Name: AZTEC
Aircraft T.C./STC: 1A10
Propeller Model: HC-82XK-2, HC-A2XK-2
Propeller T.C.: P24EA
Blade Model(s): 8433-10
Prop Diameter: 74.2" TO 73"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.1

IDS No.: 2244 **Rev.:** **Date:** 11/21/2003
Modifier:
Engine: IO-540-C(1,4)B5, O-540-A(1,3)(B,D)5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes: 24V only

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433-10	BLADE	2	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4-()	1	Prop	
DE-ICER	7931-4E1188-1	IDS Item	1	Blade	Blade Component
DE-ICE KIT_PR	7931-77-310	IDS ITEM - DE-ICE KIT	1	Prop	

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PIPER

Model: PA-23-250; SN<27-2505
Trade Name: AZTEC
Aircraft T.C./STC: 1A10
Propeller Model: HC-82XK-2C1, HC-A2XK-2
Propeller T.C.: P24EA
Blade Model(s): 8433-10
Prop Diameter: 74.2" TO 73"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.1

IDS No.: 2246 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-540-C(1,4)B5, O-540-A(1,3)(B,D)5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-10	BLADE	2	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4()	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Primary
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Secondary

PIPER

Model: PA-23-250; SN<27-2000
Trade Name: AZTEC
Aircraft T.C./STC: 1A10
Propeller Model: HC-82VK-2, HC-A2VK-2
Propeller T.C.: P24EA
Blade Model(s): V8433-10
V8433NB-10
Prop Diameter: 74.2" TO 73"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.1

IDS No.: 2245 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-540-C(1,4)B5, O-540-A(1,3)(B,D)5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes: 24V only

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-10	BLADE	2	Prop	
BLADE	V8433NB-10	BLADE, 4E1188-1 BOOT	2	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4()	1	Prop	
DE-ICER	7931-4E1188-1	IDS Item	1	Blade	Blade Component
DE-ICE KIT_PR	7931-77-310	IDS ITEM - DE-ICE KIT	1	Prop	

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PIPER

Model: PA-23-250; SN<27-2505
Trade Name: AZTEC
Aircraft T.C./STC: 1A10
Propeller Model: HC-82VK-2C1, HC-A2VK-2
Propeller T.C.: P24EA
Blade Model(s): V8433-10
Prop Diameter: 74.2" TO 73"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.1

IDS No.: 2247 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-540-C(1,4)B5, O-540-A(1,3)(B,D)5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433-10	BLADE	2	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4()	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Primary
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Secondary

PIPER

Model: PA-23-250; SN<27-2000
Trade Name: AZTEC
Aircraft T.C./STC: 1A10
Propeller Model: HC-A2MVK-2
Propeller T.C.: P24EA
Blade Model(s): MV8433NB-10
Prop Diameter: 74.2" TO 73"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.1

IDS No.: 749 **Rev.:** **Date:** 7/24/1998

Modifier:
Engine: IO-540-C(1,4)B5, O-540-A(1,3)(B,D)5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes: 24V only

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8433NB-10	BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4()	2	A/C	
DE-ICER	7931-4E1188-1	IDS Item	1	Blade	Blade Component
DE-ICE KIT_PR	7931-77-310	IDS ITEM - DE-ICE KIT	1	Prop	

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PIPER

Model: PA-23-250; SN<27-2505
Trade Name: AZTEC
Aircraft T.C./STC: 1A10
Propeller Model: HC-A2MVK-2
Propeller T.C.: P24EA
Blade Model(s): MV8433N-10
Prop Diameter: 74.2" TO 73"

IDS No.: 750 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: IO-540-C(1,4)B5, O-540-A(1,3)(B,D)5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.1

Startlock Angle: NA
Feather/High Angle: 80.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A2K10040	HC-A2MVK-2/MV8433N-10	2	A/C	
BLADE	MV8433N-10	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4()	2	A/C	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Primary
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Secondary

PIPER

Model: PA-(E)23-250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA164CE
Propeller Model: HC-83XK-2B, HC-A3XK-2B
Propeller T.C.: P6EA
Blade Model(s): 7636-4
 7636D-4
Prop Diameter: 72.6"

IDS No.: 2257 **Rev.:** **Date:** 11/21/2003
Modifier: KWAD CO.
Engine: O-540-A1B5, -A3D5, -A1D5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.8 +-0.1

Startlock Angle: NA
Feather/High Angle: 81.5 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	7636-4	BLADE	3	Prop	
BLADE	7636D-4	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4()	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

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PIPER

Model: PA-(E)23-250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA164CE
Propeller Model: HC-83VK-2B, HC-A3VK-2B
Propeller T.C.: P6EA
Blade Model(s): V7636D-4
V7636N-4

Prop Diameter: 72.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.8 +-0.1

IDS No.: 2258 **Rev.:** **Date:** 11/21/2003
Modifier: KWAD CO.
Engine: O-540-A1B5, -A3D5, -A1D5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 81.5 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	3	Prop	
BLADE	V7636N-4	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4()	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	3	Prop	

PIPER

Model: PA-23-250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA164CE
Propeller Model: HC-A3XK-2B
Propeller T.C.: P913
Blade Model(s): 7636-4
7636D-4

Prop Diameter: 72"

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

IDS No.: 2395 **Rev.:** **Date:** 12/18/2003
Modifier: KWAD CO.
Engine: O-540-A1B5, -A3D5, A1D5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	3	Prop	
BLADE	7636D-4	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4()	1	Prop	

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PIPER

Model: PA-E23-250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA164CE
Propeller Model: HC-A3XK-2B
Propeller T.C.: P913
Blade Model(s): 7636D-4
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636D-4	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4()	1	Prop	

IDS No.: 2399 **Rev.:** **Date:** 12/18/2003

Modifier: KWAD CO.
Engine: O-540-A1B5, A3D5, A1D5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

PIPER

Model: PA-23-250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA164CE
Propeller Model: HC-A3VK-2B
Propeller T.C.: P6EA
Blade Model(s): V7636D-4
V7636N-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	3	Prop	
BLADE	V7636N-4	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4()	1	Prop	

IDS No.: 2396 **Rev.:** **Date:** 12/18/2003

Modifier: KWAD CO.
Engine: O-540-A1B5, -A3D5, -A1D5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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PIPER

Model: PA-E23-250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA164CE
Propeller Model: HC-A3VK-2B
Propeller T.C.: P6EA
Blade Model(s): V7636D-4
Prop Diameter:

IDS No.: 2400 **Rev.:** **Date:** 12/18/2003
Modifier: KWAD CO.
Engine: O-540-A1B5, -A3D5, -A1D5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4-()	1	Prop	

PIPER

Model: PA-(E)23-250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA164CE
Propeller Model: HC-A3MVK-2B
Propeller T.C.: P6EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.6"

IDS No.: 765 **Rev.:** 1 **Date:** 1/10/2011
Modifier: KWAD CO.
Engine: O-540-A1B5, -A3D5, -A1D5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.8 +-0.1

Startlock Angle: NA
Feather/High Angle: 81.5 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4	GOVERNOR ASSEMBLY, B-4-()	2	A/C	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

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PIPER

Model: PA-23-250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA179CE
Propeller Model: HC-A3MVK-2C
Propeller T.C.: P6EA
Blade Model(s): MV8433N-10
Prop Diameter: 74.6" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

IDS No.: 768 **Rev.:** 1 **Date:** 1/10/2011
Modifier: KWAD CO.
Engine: IO-540-A1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 80.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-10	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

PIPER

Model: PA-23-250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA441NW
Propeller Model: HC-E3YR-2ATF
Propeller T.C.: P33EA
Blade Model(s): FC7663-2R
Prop Diameter: 76" TO 75"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 773 **Rev.:** **Date:** 3/27/2001
Modifier: AAR OF OKLAHOMA
Engine: TIO-540-C1A
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 80.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00170	HC-E3YR-2ATF/FC7663-2R/SM5	2	A/C	
BLADE	FC7663-2R	PCP:BLADE UNIT, B-3202H-5	3	Prop	
SPIN MTG KIT	A-2476-5	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-23-250 (CERTAIN SER #)
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA1063CE
Propeller Model: HC-E3YR-2ATF
Propeller T.C.:
Blade Model(s): FC7663-2R
Prop Diameter: 76" TO 75"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 772 **Rev.:** **Date:** 10/2/1992
Modifier: AEROSTOL CO.
Engine: TIO-540-C1A
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 80.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC7663-2R	PCP:BLADE UNIT, B-3202H-5	3	Prop	
SPINNER	D-3273	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-23-250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA179CE
Propeller Model: HC-83XK-2B, HC-A3XK-2B
Propeller T.C.: P6EA
Blade Model(s): 7636-4
 7636D-4
Prop Diameter: 72.6" TO 70.25"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

IDS No.: 2259 **Rev.:** **Date:** 11/21/2003
Modifier: KWAD CO.
Engine: IO-540-G1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 81.5 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	7636-4	BLADE	3	Prop	
BLADE	7636D-4	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1328	BOLT, MOUNTING, 1/2-20, 12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT, MOUNTING, 1/2-20, HEX HEAD	3	Prop	

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PIPER

Model: PA-23-250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA179CE
Propeller Model: HC-83VK-2B, HC-A3VK-2B
Propeller T.C.: P6EA
Blade Model(s): V7636D-4
 V7636N-4

IDS No.: 2260 **Rev.:** **Date:** 11/21/2003
Modifier: KWAD CO.
Engine: IO-540-G1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Diameter: 72.6" TO 70.25"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 81.5 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	3	Prop	
BLADE	V7636N-4	BLADE	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

PIPER

Model: PA-23-250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA179CE
Propeller Model: HC-A3MVK-2B
Propeller T.C.: P6EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.6" TO 70.25"

IDS No.: 767 **Rev.:** 1 **Date:** 1/10/2011
Modifier: KWAD CO.
Engine: IO-540-G1A5
Power: 290 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 81.5 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-29	SLUG, COUNTERWEIGHT	3	Blade	
CWT_SLUG	B-3840-8	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

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PIPER

Model: PA-23-250 (CERTAIN SER #)
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA1063CE
Propeller Model: HC-E3YR-2ATF
Propeller T.C.:
Blade Model(s): FC7663-2R
Prop Diameter: 76" TO 75"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 764 **Rev.:** **Date:** 10/2/1992
Modifier: AEROSTOL CO.
Engine: IO-540-J4A5, -C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 80.0 +-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC7663-2R	PCP:BLADE UNIT, B-3202H-5	3	Prop	
SPINNER	D-3273	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-23-250
Trade Name: AZTEC
Aircraft T.C./STC: STC-SA441NW
Propeller Model: HC-E3YR-2ATF
Propeller T.C.:
Blade Model(s): FC7663-2R
Prop Diameter: 76" TO 75"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner: PIPER

IDS No.: 769 **Rev.:** **Date:** 10/2/1992
Modifier: WESTERN SKYWAYS
Engine: IO-540-J4A5, -C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 80.0 +-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC7663-2R	PCP:BLADE UNIT, B-3202H-5	3	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-23-250
Trade Name: AZTEC
Aircraft T.C./STC: SA02874CH-D
Propeller Model: HC-E2YR-2BTF
Propeller T.C.: P9EA

IDS No.: 2864 **Rev.:** 3 **Date:** 1/26/2011
Modifier: HARTZELL PROPELLER
Engine: IO-540-C4B5, TIO-540-C1A
Power: 250 HP @ 2575 RPM
Placard/Restr: IO-540-C4B5 - Prop feather/functional checks must be above 1400 RPM
TIO-540-C1A - Prop feather/functional checks must be above 1100 RPM

Blade Model(s): FC7693F+1
FC7693FB+1
FC7693FB+1*1

Prop Diameter: 77"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 16.9 +/- 0.2

Notes:

Startlock Angle: 23.0 +/- 1.5
Feather/High Angle: 80.5 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E2R00122	HC-E2YR-2BTF/FC7693FB+1/SM4	2	A/C	
PROPELLER	E2R00123	HC-E2YR-2BTF/FC7693F+1/SM4	2	A/C	
PROPELLER	E2R00124	HC-E2YR-2BTF/FC7693FB+1[*1/SM4	2	A/C	
BLADE	FC7693F+1	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FC7693FB+1	PCP:BLADE UNIT, ALUM, 103680	2	Prop	
BLADE	FC7693FB+1*1	PCP:BLADE UNIT, ALUM, 103679	2	Prop	
SPINNER	103409	SPINNER ASSEMBLY	1	Prop	
SPINNER	103409F1	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	103679	DE-ICE BOOT	1	Blade	14v boot for FC7693FB+1*1
DE-ICER	103680	DE-ICE BOOT	1	Blade	28v boot for FC7693FB+1
DE-ICE KIT_PR	103719	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-77-870-1*	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-24
Trade Name: COMANCHE
Aircraft T.C./STC: 1A15
Propeller Model: HC-92ZK-8D
Propeller T.C.: P892
Blade Model(s): 8447A-12A
8447AN-12A
Prop Diameter: 72.25" TO 70.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 774 **Rev.:** **Date:** 9/10/2004
Modifier:
Engine: O-360-A1A, -A1D
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8447A-12A	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447AN-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6	IDS Item	1	Prop	Superseded by 835-30
GOVERNOR	D1-1	IDS Item	1	A/C	
GOVERNOR	D1-5	IDS Item	1	A/C	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	4	Prop	
MTG BOLT/STUD	A-1333-2	IDS Item	2	Prop	

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PIPER

Model: PA-24
Trade Name: COMANCHE
Aircraft T.C./STC: STC-SA00631CH
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-4
 F7666A-4*1
Prop Diameter: 72.0" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 1315 **Rev.:** 3 **Date:** 9/24/2012
Modifier: HARTZELL PROPELLER INC.
Engine: O-360-A1A, -A1D
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R00027	HC-C2YR-1BF/F7666A-4	1	A/C	
BLADE	F7666A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F7666A-4*1	IDS ITEM, BLADE, [3,1,1]	2	Prop	
SPINNER	103585	SPINNER ASSEMBLY, COMPOSITE	1	Prop	Surface primed - suitable for paint
SPINNER	103585F1	SPINNER ASSEMBLY, COMPOSITE	1	Prop	Painted Matterhorn White
SPINNER	103585F2	SPINNER ASSEMBLY, COMPOSITE	1	Prop	Painted Silver Metallic
SPINNER	835-54	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-54P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-58	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-58P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	D1-1	IDS Item	1	A/C	
GOVERNOR	D1-5	IDS Item	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-24 SERIES
Trade Name: COMANCHE
Aircraft T.C./STC: STC-SE3552(3553)NM
Propeller Model: HC-A2XK-1
Propeller T.C.: P908
Blade Model(s): 8433-7
Prop Diameter: 76"

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

IDS No.: 2397 **Rev.:** **Date:** 12/18/2003
Modifier: JOHNSTON AIRCRAFT
Engine: O-540-B1B5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433-7	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

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PIPER

Model: PA-24 SERIES
Trade Name: COMANCHE
Aircraft T.C./STC: STC-SE3552 (3553)NM
Propeller Model: HC-A2VK-1
Propeller T.C.: P24EA
Blade Model(s): V8433-7
V8433N-7
Prop Diameter: 76"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

IDS No.: 2398 **Rev.:** **Date:** 12/18/2003
Modifier: JOHNSTON AIRCRAFT
Engine: O-540-B1B5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433-7	BLADE	2	Prop	
BLADE	V8433N-7	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

PIPER

Model: PA-24-250
Trade Name: COMANCHE
Aircraft T.C./STC: 1A15
Propeller Model: HC-82XK-1, HC-A2XK-1, HC-82XK-1D
Propeller T.C.: P24EA
Blade Model(s): 8433-7
Prop Diameter: 77 7/16" TO 76"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.5+/-0.2

IDS No.: 2265 **Rev.:** **Date:** 1/12/2004
Modifier:
Engine: O-540-A1A,-A1(A,B,C,D)5;IO-540-C1B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 MIN
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433-7	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6	IDS Item	1	Prop	Superseded by 835-30
GOVERNOR	B4-2	GOVERNOR ASSEMBLY, B-4()	1	A/C	
CWT_SLUG	A-619-1	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3840-6	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1333-2	IDS Item	2	Prop	Primary
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	4	Prop	
MTG BOLT/STUD	A-1333-6	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Secondary

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PIPER

Model: PA-24-250
Trade Name: COMANCHE
Aircraft T.C./STC: 1A15
Propeller Model: HC-82VK-1, HC-A2VK-1, HC-82VK-1D
Propeller T.C.: P24EA
Blade Model(s): V8433-7
 V8433N-7
Prop Diameter: 77 7/16" TO 76"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.5+-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2266 **Rev.:** **Date:** 1/12/2004

Modifier:
Engine: O-540-A1A,-A1(A,B,C,D)5;IO-540-C1B5
Power: 250 HP @ 2575 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 MIN
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-7	BLADE	2	Prop	
BLADE	V8433N-7	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6	IDS Item	1	Prop	Superseded by 835-30
GOVERNOR	B4-2	GOVERNOR ASSEMBLY, B-4-()	1	A/C	
CWT_SLUG	A-619-1	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3840-6	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1333-2	IDS Item	2	Prop	Primary
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	4	Prop	
MTG BOLT/STUD	A-1333-6	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Secondary

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PIPER

Model: PA-24-250
Trade Name: COMANCHE
Aircraft T.C./STC: 1A15
Propeller Model: HC-A2MVK-1
Propeller T.C.: P24EA
Blade Model(s): MV8433N-7
Prop Diameter: 77 7/16" TO 76"

IDS No.: 775 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: O-540-A1A,-A1(A,B,C,D)5;IO-540-C1B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5+/-0.2

Startlock Angle: NA
Feather/High Angle: 31.0 MIN
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A2K10020	HC-A2MVK-1/MV8433N-7	1	A/C	
BLADE	MV8433N-7	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6	IDS Item	1	Prop	Superceded by 835-30
GOVERNOR	B4-2	GOVERNOR ASSEMBLY, B-4-()	1	A/C	
CWT_SLUG	A-619-1	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3840-6	SCREW, 10-32, FILLISTER HEAD	2	Blade	
MTG BOLT/STUD	A-1333-2	IDS Item	2	Prop	Primary
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	4	Prop	
MTG BOLT/STUD	A-1333-6	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	Secondary

PIPER

Model: PA-24-250
Trade Name: COMANCHE
Aircraft T.C./STC: STC-SA3550NM
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8477D-5R
Prop Diameter: 79"

IDS No.: 776 **Rev.:** **Date:** 10/3/1997
Modifier: JOHNSTON AIRCRAFT SERVICE
Engine: O-540-A4(A,B,C,D)5, IO-540-C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.4 +/-0.1

Startlock Angle: NA
Feather/High Angle: 31.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8477D-5R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-3519	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-4A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-24-250
Trade Name: COMANCHE
Aircraft T.C./STC: STC-00423LA
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7590
Prop Diameter: 77"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.2 +-0.2

IDS No.: 1406 **Rev.:** 1 **Date:** 6/13/2012
Modifier: JOHNSTON AIRCRAFT SERVICE
Engine: O-540-A4(A,B,C,D)5, IO-540-C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00027	HC-C3YR-1RF/F7590/SM7	1	A/C	
PROPELLER	C3R00027KD	HC-C3YR-1RF/F7590/SM7	1	A/C	
BLADE	F7590	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	835-52	IDS Item	1	Prop	
SPINNER	835-52P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-4	IDS Item	1	A/C	
GOVERNOR	F4-4A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	For C-3535-1P only
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-24-250
Trade Name: COMANCHE
Aircraft T.C./STC: STC-SA3451WE
Propeller Model: HC-A3MVK-4
Propeller T.C.: P6EA
Blade Model(s): MV7636N
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: UNKNOWN

IDS No.: 1938 **Rev.:** 1 **Date:** 1/10/2011
Modifier: AIRCRAFT TECHNICAL SERVICE INC.
Engine: IO-540-C1B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: UNKNOWN
Cwt Angle: NA

Non-HPI Items:

Non-HPI Spinner: UNKNOWN

Non-HPI Governor: UNKNOWN

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	6	Prop	

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PIPER

Model: PA-24-260
Trade Name: COMANCHE
Aircraft T.C./STC: 1A15
Propeller Model: HC-C2YK-1B(F)
Propeller T.C.: P-920

Blade Model(s): F8467-7R
Prop Diameter: 77" TO 75"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner: PIPER

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00080	HC-C2YK-1BF/F8467-7R	1	A/C	
BLADE	F8467-7R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F4-4	IDS Item	1	A/C	
GOVERNOR	F4-4A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 778 **Rev.:** **Date:** 1/4/2002

Modifier:
Engine: O-540-E4A5; IO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr: If diameter becomes less than 75 inches:
 avoid continuous operation between 2500
 and 2600 RPM above 25 in. MP.

Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

PIPER

Model: PA-24-260
Trade Name: COMANCHE
Aircraft T.C./STC: 1A15
Propeller Model: HC-E2YR-1BF
Propeller T.C.: P9EA
Blade Model(s): F8467-7R
Prop Diameter: 77" TO 75"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner: PIPER

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E2R00046	HC-E2YR-1BF/F8467-7R	1	A/C	
BLADE	F8467-7R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F4-4	IDS Item	1	A/C	Narrow Deck Engine Only
GOVERNOR	F4-4A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	Narrow Deck Engine Only
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 777 **Rev.:** **Date:** 9/7/2007

Modifier:
Engine: IO-540-N1A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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PIPER

Model: PA-24-260
Trade Name: COMANCHE
Aircraft T.C./STC: 1A15
Propeller Model: HC-E2YR-1BF
Propeller T.C.: P9EA
Blade Model(s): F8467-7R
Prop Diameter: 77" TO 75"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.65 +-0.15

IDS No.: 779 **Rev.:** **Date:** 4/6/1998
Modifier:
Engine: IO-540-R1A5 (turbo)
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E2R00040	HC-E2YR-1BF/F8467-7R	1	A/C	
BLADE	F8467-7R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F4-4	IDS Item	1	A/C	
GOVERNOR	F4-4A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-24-260
Trade Name: COMANCHE 260, 260B
Aircraft T.C./STC: STC-SA288CH
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7590
 F7590*1
Prop Diameter: 77.0" TO 76.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.8 +-0.2

IDS No.: 1162 **Rev.:** **Date:** 4/25/2005
Modifier: HARTZELL PROPELLER
Engine: IO-540-D4A5, -E4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00023	HC-C3YR-1RF/F7590	1	A/C	
PROPELLER	C3R00023KD	HC-C3YR-1RF/F7590	1	A/C	
PROPELLER	C3R00023SKDTP	C3R00023/835-52P	1	A/C	
PROPELLER	C3R00023STP	C3R00023/835-52P	1	A/C	
BLADE	F7590	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
BLADE	F7590*1	PCP:BLADE UNIT, ALUM [3,1,5]	3	Prop	
SPINNER	835-52P	SPINNER ASSEMBLY, "CNC"	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-24-260
Trade Name: COMANCHE 260C
Aircraft T.C./STC: STC-SA288CH
Propeller Model: HC-E3YR-1RF
Propeller T.C.: P33EA
Blade Model(s): F7590
Prop Diameter: 77"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E3R00019	HC-E3YR-1RF/F7590/SM23	1	A/C	
PROPELLER	E3R00019KD	HC-E3YR-1RF/F7590/SM23	1	A/C	
PROPELLER	E3R00019SKDTP	E3R00019/SM23/C-4582-P	1	A/C	
PROPELLER	E3R00019STP	E3R00019/SM23/C-4582-P	1	A/C	
BLADE	F7590	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	C-4582-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-4	IDS Item	1	A/C	
GOVERNOR	F4-4A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1810 **Rev.:** **Date:** 12/20/2004
Modifier: HARTZELL PROPELLER
Engine: IO-540-D4A5, -N1A5, -R1A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes: For Commanche 260C only (S/N 24-4783 AND 24-4804 - 24-5034)

Startlock Angle: NA
Feather/High Angle: 30.5 +-1.0
Cwt Angle:

Non-HPI Governor:

PIPER

Model: PA-24-260
Trade Name: COMANCHE
Aircraft T.C./STC: STC-SA3551NM
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8477D-5R
Prop Diameter: 79"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.4 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00185	HC-C2YK-1BF/F8477D-5R	1	A/C	
BLADE	F8477D-5R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-3519	SPINNER ASSEMBLY	1	Prop	Starter Ring Gear Mntd-No SMK
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 780 **Rev.:** **Date:** 11/9/2006
Modifier: JOHNSTON AIRCRAFT SERVICE
Engine: O-540-E4A5, IO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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PIPER

Model: PA-24-400
Trade Name: COMANCHE
Aircraft T.C./STC: 1A15
Propeller Model: HC-A3VK-4
Propeller T.C.: P6EA
Blade Model(s): V8433-7
V8433N-7
Prop Diameter: 77 5/8" TO 75 5/8"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

IDS No.: 2267 **Rev.:** **Date:** 11/21/2003
Modifier:
Engine: IO-720-A1A
Power: 400 HP @ 2650 RPM
Placard/Restr: Do not exceed 24 in. MP below 2000 RPM
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-7	BLADE	3	Prop	
BLADE	V8433N-7	BLADE	3	Prop	
GOVERNOR	F4-1	IDS Item	1	A/C	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	6	Prop	

PIPER

Model: PA-24-400
Trade Name: COMANCHE
Aircraft T.C./STC: 1A15
Propeller Model: HC-A3MVK-4
Propeller T.C.: P6EA
Blade Model(s): MV8433N-7
Prop Diameter: 77 5/8" TO 75 5/8"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

IDS No.: 782 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: IO-720-A1A
Power: 400 HP @ 2650 RPM
Placard/Restr: Do not exceed 24 in. MP below 2000 RPM
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3K10216	HC-A3MVK-4/MV8433N-7	1	A/C	
BLADE	MV8433N-7	PCP:BLADE UNIT, ALUMINUM	3	Prop	
GOVERNOR	F4-1	IDS Item	1	A/C	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	6	Prop	

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PIPER

Model: PA-24S
Trade Name: COMANCHE
Aircraft T.C./STC: STC-SA511WE
Propeller Model: HC-82XK-1, HC-A2XK-1
Propeller T.C.: P24EA
Blade Model(s): 8433-7
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-7	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-619-1	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3840-6	SCREW, 10-32, FILLISTER HEAD	2	Blade	

IDS No.: 2268 **Rev.:** **Date:** 11/21/2003
Modifier: JOHNSTON AIRCRAFT SERVICE
Engine: O-540-B1B5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

PIPER

Model: PA-24S
Trade Name: COMANCHE
Aircraft T.C./STC: STC-SA511WE
Propeller Model: HC-82VK-1, HC-A2VK-1
Propeller T.C.: P24EA
Blade Model(s): V8433-7
V8433N-7
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-7	BLADE	2	Prop	
BLADE	V8433N-7	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-619-1	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3840-6	SCREW, 10-32, FILLISTER HEAD	2	Blade	

IDS No.: 2269 **Rev.:** **Date:** 11/21/2003
Modifier: JOHNSTON AIRCRAFT SERVICE
Engine: O-540-B1B5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

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PIPER

Model: PA-24S
Trade Name: COMANCHE
Aircraft T.C./STC: STC-SA511WE
Propeller Model: HC-A2MVK-1
Propeller T.C.: P24EA
Blade Model(s): MV8433N-7
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-7	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-619-1	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3840-6	SCREW, 10-32, FILLISTER HEAD	2	Blade	

IDS No.: 783 **Rev.:** 1 **Date:** 1/10/2011
Modifier: JOHNSTON AIRCRAFT SERVICE
Engine: O-540-B1B5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

PIPER

Model: PA-25
Trade Name: PAWNEE
Aircraft T.C./STC: STC-SA2-1197
Propeller Model: HC-92ZK-8D
Propeller T.C.: P892
Blade Model(s): 8447A-12A
8447AN-12A
Prop Diameter: 71.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.25

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8447A-12A	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447AN-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1333	BOLT, MOUNTING, 1/2-20, HEX HEAD	4	Prop	
MTG BOLT/STUD	A-1333-2	IDS Item	2	Prop	

IDS No.: 785 **Rev.:** **Date:** 9/10/2004
Modifier: E. HORTON, JR.
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.5 +-1.5
Cwt Angle:

Non-HPI Governor: WOODWARD

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PIPER

Model: PA-25-260
Trade Name: PAWNEE
Aircraft T.C./STC: 2A8, 2A10
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8477
 F8477-1
Prop Diameter: 84" TO 83"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.1

Non-HPI Items:

Non-HPI Spinner: NONE

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00150	HC-C2YK-1BF/F8477	1	A/C	
BLADE	F8477	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F8477-1	IDS Item	2	Prop	
GOVERNOR	F4-4A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	"NARROW DECK" O-540-G1A5 ONLY
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 784 **Rev.:** **Date:** 4/12/2005

Modifier:
Engine: O-540-G1A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes: Current T.C. holder is Latino American De Aviacion (LAVIA) S.A. Piper is previous T.C. holder.

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

PIPER

Model: PA-28
Trade Name: CHEROKEE
Aircraft T.C./STC: STC-SA222SW
Propeller Model: HC-82VL-6F, HC-A2VL-6F
Propeller T.C.: P24EA
Blade Model(s): V7636D-4
 V7636N-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2271 **Rev.:** **Date:** 1/12/2004

Modifier: HUTCHINSON A/C
Engine: O-320-A2B
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 26.5 +-1.5
Cwt Angle:

Non-HPI Governor:

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PIPER

Model: PA-28
Trade Name: CHEROKEE
Aircraft T.C./STC: STC-SA222SW
Propeller Model: HC-A2MVL-6F
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

IDS No.: 788 **Rev.:** **Date:** 1/12/2004
Modifier: HUTCHINSON A/C
Engine: O-320-A2B
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 26.5 +-1.5
Cwt Angle:

Non-HPI Governor:

PIPER

Model: PA-28-140
Trade Name: CHEROKEE
Aircraft T.C./STC: STC-SA2052SE
Propeller Model: HC-82VL-6F, HC-A2VL-6F
Propeller T.C.: P24EA
Blade Model(s): V8433N-12
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433N-12	BLADE	2	Prop	

IDS No.: 2270 **Rev.:** **Date:** 11/21/2003
Modifier: PROPELLERS INC.
Engine: O-320-E2A
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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PIPER

Model: PA-28-140
Trade Name: CHEROKEE
Aircraft T.C./STC: STC-SA2052SE
Propeller Model: HC-A2MVL-6F
Propeller T.C.: P24EA
Blade Model(s): MV8433N-12
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-12	PCP:BLADE UNIT, ALUMINUM	2	Prop	

IDS No.: 786 **Rev.:** **Date:** 5/17/1998
Modifier: PROPELLERS INC.
Engine: O-320-E2A
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

PIPER

Model: PA-28-140, 150, 160
Trade Name: CHEROKEE
Aircraft T.C./STC: STC-SA793CE
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00045	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 791 **Rev.:** **Date:** 8/26/2006
Modifier: ROBERT WILLIAMS (AVCON)
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +/-1.0
Cwt Angle:

Non-HPI Governor:

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PIPER

Model: PA-28-180
Trade Name: CHEROKEE
Aircraft T.C./STC: STC-SA2213WE
Propeller Model: HC-C2YK-1B
Propeller T.C.: P-920

Blade Model(s): F7666A
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: UNKNOWN

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 790 **Rev.:** **Date:** 10/12/2006
Modifier: PROPELLERS INC.
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: UNKNOWN
Cwt Angle:

Non-HPI Governor:

PIPER

Model: PA-28-201T
Trade Name: TURBO DAKOTA
Aircraft T.C./STC: 2A13
Propeller Model: BHC-C2YF-1()F
Propeller T.C.: P-920
Blade Model(s): F8459A-8R
Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.4 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00050	BHC-C2YF-1BF/F8459A-8R/SM4	1	A/C	
BLADE	F8459A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E5	GOVERNOR ASSEMBLY, E-5-()	1	A/C	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	1.120 +- .030 STUD HEIGHT

IDS No.: 795 **Rev.:** **Date:** 6/15/2005
Modifier:
Engine: TSIO-360-FB
Power: 200 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD G210681

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PIPER

Model: PA-28-235
Trade Name: CHEROKEE PATHFINDER
Aircraft T.C./STC: 2A13
Propeller Model: HC-C2YK-1(J)F
Propeller T.C.: P-920
Blade Model(s): F8468A-4
Prop Diameter: 80.0" NO CUT OFF

IDS No.: 800 **Rev.:** 1 **Date:** 1/3/2011
Modifier:
Engine: O-540-B4B5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Startlock Angle: NA
Feather/High Angle: 27.0 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00102	HC-C2YK-1BF/F8468A-4	1	A/C	
BLADE	F8468A-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
GOVERNOR	F4-13	GOVERNOR ASSEMBLY, F-4(-)	1	A/C	Sec'ndry, wide deck "A" S/N eng
GOVERNOR	F4-13Z	GOVERNOR ASSEMBLY, F-4(-)	1	A/C	Primary, wide deck "A" S/N eng
GOVERNOR	F4-3A	GOVERNOR ASSEMBLY, F-4(-)	1	A/C	Sec'ndry, nar deck non "A" sufx
GOVERNOR	F4-3AZ	GOVERNOR ASSEMBLY, F-4(-)	1	A/C	Primary, nar deck non "A" eng s
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-28-235
Trade Name: CHARGER/PATHFINDER
Aircraft T.C./STC: SA01190LA
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693F
Prop Diameter: 78" TO 77"

IDS No.: 1697 **Rev.:** **Date:** 3/9/2010
Modifier: HARTZELL PROPELLER
Engine: O-540-B2B5, B4B5
Power: 235 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00047	HC-C3YR-1RF/F7693F/SM23	1	A/C	
PROPELLER	C3R00047KD	HC-C3YR-1RF/F7693F/SM23	1	A/C	
PROPELLER	C3R00047SKDTP	C3R00047/SM23/C-3535-1P	1	A/C	
PROPELLER	C3R00047STP	C3R00047/SM23/C-3535-1P	1	A/C	
BLADE	F7693F	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-28-236
Trade Name: DAKOTA
Aircraft T.C./STC: 2A13
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA
Blade Model(s): F8468A-4R
Prop Diameter: 80.0" TO 78.0"

IDS No.: 801 **Rev.:** **Date:** 11/5/1996
Modifier:
Engine: O-540-J3A5D
Power: 235 HP @ 2400 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.25 +0.25

Startlock Angle: NA
Feather/High Angle: 32.0 +2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	F2R00060	HC-F2YR-1F/F8468A-4R/SM4	1	A/C	
BLADE	F8468A-4R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3568-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-21	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-28-236
Trade Name: DAKOTA
Aircraft T.C./STC: SA01191LA
Propeller Model: HC-F3YR-1ARF
Propeller T.C.: P31EA
Blade Model(s): F7693F
 F7693F*2
Prop Diameter: 78" TO 76"

IDS No.: 1713 **Rev.:** 1 **Date:** 7/18/2013
Modifier: HARTZELL PROPELLER
Engine: O-540-J3A5D
Power: 235 HP @ 2400 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.3 +0.2

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	F3R00030	HC-F3YR-1ARF/F7693F[*2]/SM6	1	A/C	
PROPELLER	F3R00030KD	HC-F3YR-1ARF/F7693F[*2]/SM6	1	A/C	
PROPELLER	F3R00030SKDTP	F3R00030/SM6/C-3570-P	1	A/C	
PROPELLER	F3R00030STP	F3R00030/SM6/C-3570-P	1	A/C	
BLADE	F7693F	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	Superseded by F7693F*2
BLADE	F7693F*2	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	Supersedes F7693F
SPINNER	C-3570	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3570-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-21	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-28-180
Trade Name: CHEROKEE
Aircraft T.C./STC: SA556SW
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-2R
Prop Diameter: 76

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00051	HC-C2YK-1BF/F7666A-2R	1	A/C	
BLADE	F7666A-2R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-33P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2722 **Rev.:** **Date:** 7/19/2007
Modifier: HUTCHINSON ACFT SVC
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle: NA

Non-HPI Governor: WOODWARD

PIPER

Model: PA-28R-180
Trade Name: ARROW
Aircraft T.C./STC: 2A13
Propeller Model: HC-C2YK-1() (F)
Propeller T.C.: P-920

Blade Model(s): F7666A
Prop Diameter: 76.0" TO 74.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner: PIPER

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00041	HC-C2YK-1BF/F7666A	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
GOVERNOR	F2-2A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
GOVERNOR	F2-7A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
GOVERNOR	F2-7AZ	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 789 **Rev.:** **Date:** 11/9/2006
Modifier:
Engine: IO-360-B1E
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000-2200 RPM
Notes: (OEM Ring Gear Mounted Spinner - No SMK)

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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PIPER

Model: PA-28R-180
Trade Name: ARROW
Aircraft T.C./STC: STC-SA4528NM
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7282
Prop Diameter: 74.0" TO 73.0"

IDS No.: 1395 **Rev.:** 1 **Date:** 8/12/2010
Modifier: HARTZELL PROPELLER
Engine: IO-360-B1E
Power: 180 HP @ 2700 RPM
Placard/Restr: Refer to STC and 8110-3 form
Notes: 835-52P Spinner Assembly no longer supplied with STC-SA4528NM kit as of 7/21/2010

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +0.2

Startlock Angle: NA
Feather/High Angle: 30.0 +0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00021SKDTP*2	C3R00021/835-47P	1	A/C	
PROPELLER	C3R00021STP*2	C3R00021/835-47P	1	A/C	
BLADE	F7282	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-47	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-47P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-52P	SPINNER ASSEMBLY, "CNC"	1	Prop	No longer supplied with Top Prop kit as of 7/21/10
GOVERNOR	F2-7A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
GOVERNOR	F2-7AZ	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-28R-200
Trade Name: ARROW II
Aircraft T.C./STC: 2A13
Propeller Model: HC-C2YK-1() (F)
Propeller T.C.: P-920

IDS No.: 792 **Rev.:** **Date:** 6/14/2007
Modifier:
Engine: IO-360-C1C
Power: 200 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2350 RPM.

Blade Model(s): F7666A-2
Prop Diameter: 74.0" TO 72.5"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +0.2

Startlock Angle: NA
Feather/High Angle: 29.0 +2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00047	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F2-7A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
GOVERNOR	F2-7AZ	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-28R-200,-201, PA-28RT-201
Trade Name: ARROW II, III, IV
Aircraft T.C./STC: STC-SA4528NM
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7282
 F7282*1
Prop Diameter: 74.0" TO 73.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

IDS No.: 793 **Rev.:** 1 **Date:** 8/12/2010
Modifier: HARTZELL PROPELLER
Engine: IO-360-C1C(6)
Power: 200 HP @ 2700 RPM
Placard/Restr: Refer to STC and 8110-3 form
Notes: 835-52P Spinner Assembly no longer supplied with STC-SA4528NM kit as of 7/21/2010

Startlock Angle: NA
Feather/High Angle: 30.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00022	HC-C3YR-1RF/F7282	1	A/C	
PROPELLER	C3R00022KD	HC-C3YR-1RF/F7282	1	A/C	
PROPELLER	C3R00022SKDTP*1	C3R00022/835-47P	1	A/C	
PROPELLER	C3R00022STP*1	C3R00022/835-47P	1	A/C	
BLADE	F7282	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F7282*1	IDS Item	3	Prop	
SPINNER	835-47	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-47P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-52P	SPINNER ASSEMBLY, "CNC"	1	Prop	No longer supplied with Top Prop kit as of 7/21/10
GOVERNOR	F2-7A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
GOVERNOR	F2-7AZ	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-28R-201T
Trade Name: TURBO ARROW III
Aircraft T.C./STC: 2A13
Propeller Model: BHC-C2YF-1BF
Propeller T.C.: P-920

IDS No.: 797 **Rev.:** **Date:** 6/23/2005
Modifier:
Engine: TSIO-360-F, -FB
Power: 200 HP @ 2575 RPM
Placard/Restr: Avoid continuous operation between 2000-2200 RPM with engine manifold pressure above 32" Hg. Avoid continuous ground operation in cross and tail winds of over 10 knots between 1700 and 2100 RPM.

Blade Model(s): F8459A-8R
Prop Diameter: 76.0" TO 75.0"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.4 +-0.2

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00050	BHC-C2YF-1BF/F8459A-8R/SM4	1	A/C	
BLADE	F8459A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E5	GOVERNOR ASSEMBLY, E-5-()	1	A/C	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-28R-201
Trade Name: ARROW III
Aircraft T.C./STC: 2A13
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F7666A-2R
Prop Diameter: 74" TO 72"

IDS No.: 794 **Rev.:** **Date:** 8/6/2002
Modifier:
Engine: IO-360-C1C6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00051	HC-C2YK-1BF/F7666A-2R	1	A/C	
BLADE	F7666A-2R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F2-7	IDS Item	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-28R(T)-201T
Trade Name: TURBO ARROW III (IV)
Aircraft T.C./STC: SA01024CH
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7663-4T
 F7663-4T*1
Prop Diameter: 74.0" TO 72.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +/-0.2

IDS No.: 1507 **Rev.:** 1 **Date:** 10/7/2010
Modifier: HARTZELL PROPELLER
Engine: TSIO-360-F,FB
Power: 200 HP @ 2575 RPM
Placard/Restr:
Notes: Top Prop

Startlock Angle: NA
Feather/High Angle: 33.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: Woodward

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00111	PHC-C3YF-1RF/F7663-4T/SM7	1	A/C	
PROPELLER	C3F00111KD	PHC-C3YF-1RF/F7663-4T/SM7	1	A/C	
PROPELLER	C3F00111SKDTP	C3F00111/SM7/C-3570-P	1	A/C	
PROPELLER	C3F00111STP	C3F00111/SM7/C-3570-P	1	A/C	
BLADE	F7663-4T	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F7663-4T*1	IDS Item	3	Prop	
SPINNER	C-3570	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3570-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E5	GOVERNOR ASSEMBLY, E-5-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-6	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

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PIPER

Model: PA-28R-200
Trade Name: ARROW
Aircraft T.C./STC: SA02555CH
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920

IDS No.: 2776 **Rev.:** 2 **Date:** 12/3/2013
Modifier: PROFESSIONAL PILOTS
Engine: IO-360-C1C
Power: 200 HP @ 2700 RPM
Placard/Restr: Continuous operation is prohibited above 24" manifold pressure between 2350 and 2550 RPM.

Blade Model(s): F7497*1
Prop Diameter: 74" to 72"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R10709	HC-C2YR-1BFP/F7497[*1]	1	A/C	
BLADE	F7497*1	PCP:BLADE UNIT, ALUM [6,16,11]	2	Prop	
SPINNER	103585	SPINNER ASSEMBLY, COMPOSITE	1	Prop	Primed for Paint
SPINNER	103585F1	SPINNER ASSEMBLY, COMPOSITE	1	Prop	Matterhorn White
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-33P	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-54	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-54P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	S-1-24	GOVERNOR ASSEMBLY, S-1-24	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-28RT-201T
Trade Name: TURBO ARROW IV
Aircraft T.C./STC: 2A13
Propeller Model: BHC-C2YF-1()F
Propeller T.C.: P-920
Blade Model(s): F8459A-8R
Prop Diameter: 76.0" TO 75.0"

IDS No.: 798 **Rev.:** **Date:** 10/3/2005
Modifier:
Engine: TSIO-360-FB
Power: 200 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.4 +-0.2

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2F00051	BHC-C2YF-1BF/F8459A-8R	1	A/C	
BLADE	F8459A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	C-2298-2	IDS Item	1	Prop	Hz
SPINNER	C-3568	SPINNER ASSEMBLY	1	Prop	tc
GOVERNOR	E5	GOVERNOR ASSEMBLY, E-5-()	1	A/C	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-28RT-201T
Trade Name: TURBO ARROW IV
Aircraft T.C./STC: 2A13
Propeller Model: PHC-C3YF-1()F
Propeller T.C.: P25EA
Blade Model(s): F7663-2R
Prop Diameter: 76.0" TO 72.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.2

IDS No.: 799 **Rev.:** 1 **Date:** 10/7/2010
Modifier:
Engine: TSIO-360-FB
Power: 200 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00110	PHC-C3YF-1RF/F7663-2R/SM7	1	A/C	
PROPELLER	C3F00110KD	PHC-C3YF-1RF/F7663-2R/SM7	1	A/C	
BLADE	F7663-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3570	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E5	GOVERNOR ASSEMBLY, E-5-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-6	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

PIPER

Model: PA-28RT-201
Trade Name: ARROW IV
Aircraft T.C./STC: 2A13
Propeller Model: HC-C2YK-1()F
Propeller T.C.: P-920
Blade Model(s): F7666A-2R
Prop Diameter: 74.0" TO 72.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 796 **Rev.:** **Date:** 3/23/1995
Modifier:
Engine: IO-360-C1C6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes: SN 28R-7918001 to28R-7918267

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7666A-2R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F2-7A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
GOVERNOR	F2-7AZ	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-30
Trade Name: TWIN COMANCHE
Aircraft T.C./STC: A1EA
Propeller Model: HC-E2YL-2,-2A,-2B(S)(F),-2C,-2D
Propeller T.C.: P9EA
Blade Model(s): F7663-4
Prop Diameter: 72" TO 70"

IDS No.: 802 **Rev.:** **Date:** 11/9/2006
Modifier:
Engine: IO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Startlock Angle: 17.5 +-1.5
Feather/High Angle: 78.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E2L00083	HC-E2YL-2BSF/F7663-4/SM8	2	A/C	
BLADE	F7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F6-3A	GOVERNOR ASSEMBLY, F-6-()	2	A/C	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

PIPER

Model: PA-30 C/R (left side)
Trade Name: TWIN COMANCHE
Aircraft T.C./STC: A1EA
Propeller Model: HC-E2YL-2(B, BS)(F)
Propeller T.C.: P9EA
Blade Model(s): F7663-4
Prop Diameter: 72"

IDS No.: 803 **Rev.:** **Date:** 12/19/2005
Modifier:
Engine: IO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes: A1EA contains invalid prop models

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Startlock Angle: 17.5 +-1.5
Feather/High Angle: 78.0+-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F6	IDS Item	1	A/C	
GOVERNOR	F6-3A	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
GOVERNOR	F6-3S	IDS Item	1	A/C	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

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PIPER

Model: PA-30 C/R (right side)
Trade Name: TWIN COMANCHE
Aircraft T.C./STC: A1EA
Propeller Model: HC-E2YL-2(BL, BLS)(F)
Propeller T.C.: P9EA
Blade Model(s): FJ7663-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner: PIPER

IDS No.: 1773 **Rev.:** **Date:** 12/19/2005

Modifier:
Engine: LIO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:

Notes: A1EA contains invalid prop models. Refer to Piper S.L. 552 for optional C/R kit

Startlock Angle: 17.5 +-1.5
Feather/High Angle: 78.0 +-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FJ7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F6-3AL	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

PIPER

Model: PA-30
Trade Name: TWIN COMANCHE
Aircraft T.C./STC: STC-SA214CH
Propeller Model: HC-E2YL-2BSF
Propeller T.C.: P9EA
Blade Model(s): F7663D-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1211 **Rev.:** **Date:** 4/14/2004

Modifier: KNOTS 2 U INC.
Engine: IO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:

Notes:
Startlock Angle: 17.5 +-1.5
Feather/High Angle: 78.0 +-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E2L00090	HC-E2YL-2BSF/F7663D-4/SM8	2	A/C	
BLADE	F7663D-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	D-5749-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

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PIPER

Model: PA-30, PA39 (LEFT SIDE)

Trade Name: TWIN COMANCHE

Aircraft T.C./STC: STC-SA557GL

Propeller Model: HC-E2YL-2BSF

Propeller T.C.: P9EA

Blade Model(s): F7663-6Q
F7663-6Q*1

Prop Diameter: 70"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.0 +-0.1

IDS No.: 805

Rev.:

Date: 6/27/2005

Modifier: HARTZELL PROPELLER

Engine: IO-320-(B,C)1A

Power: 160 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: 17.5 +-1.5

Feather/High Angle: 78.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E2L00095	HC-E2YL-2BSF/F7663-6Q/SM8	1	A/C	
PROPELLER	E2L00095STP	E2L00095/SM8/D-5749-P/TWIN	1	A/C	
PROPELLER	E2L00095STP*1	E2L00095/SM8/D-5749-P	1	A/C	
BLADE	F7663-6Q	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F7663-6Q*1	IDS Item	2	Prop	
SPINNER	D-5749	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5749-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6	IDS Item	1	A/C	Left
GOVERNOR	F6-3A	GOVERNOR ASSEMBLY, F-6-()	1	A/C	Left
GOVERNOR	F6-3S	IDS Item	1	A/C	Left
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

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PIPER

Model: PA-30, PA-39 (RIGHT SIDE)
Trade Name: TWIN COMANCHE
Aircraft T.C./STC: STC-SA557GL
Propeller Model: HC-E2YL-2BLSF
Propeller T.C.: P9EA
Blade Model(s): FJ7663-6Q
 FJ7663-6Q*1
Prop Diameter: 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

IDS No.: 2538 **Rev.:** **Date:** 6/27/2005
Modifier: HARTZELL PROPELLER
Engine: LIO-320-(B,C)1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 17.5 +-1.5
Feather/High Angle: 78.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E2L00061	HC-E2YL-2BLSF/FJ7663-6Q/SM8	1	A/C	
PROPELLER	E2L00061STP	E2L00061/SM8/D-5749-LP	1	A/C	
BLADE	FJ7663-6Q	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FJ7663-6Q*1	IDS ITEM, BLADE, [3,1,1]	2	Prop	
SPINNER	D-5749-L	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5749-LP	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-3AL	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

PIPER

Model: PA-30
Trade Name: TWIN COMANCHE
Aircraft T.C./STC: STC-SA1151SW
Propeller Model: HC-C2YK-2CUF
Propeller T.C.: P-920
Blade Model(s): FC7666A-4*1
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

IDS No.: 804 **Rev.:** **Date:** 6/6/2006
Modifier: J.W. MILLER
Engine: IO-360-C1C, -C1F
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 20.5 +-1.5
Feather/High Angle: 80.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00479	HC-C2YK-2CUF/FC7666A-4[*1]	2	A/C	
BLADE	FC7666A-4*1	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-3A	GOVERNOR ASSEMBLY, F-6-()	2	A/C	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-31
Trade Name: NAVAJO
Aircraft T.C./STC: A20SO
Propeller Model: HC-E2YR-2BTF
Propeller T.C.: P9EA
Blade Model(s): FC8475-4
 FC8475B-4
Prop Diameter: 80" TO 78"

IDS No.: 807 **Rev.:** **Date:** 1/29/2002
Modifier:
Engine: TIO-540-A1A, A1B, A2A, A2B
Power: 310 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.1

Startlock Angle: 20.0 +-1.5
Feather/High Angle: 81.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E2R00125	HC-E2YR-2BTF/FC8475-4	2	A/C	
BLADE	FC8475-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FC8475B-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F6-11A	GOVERNOR ASSEMBLY, F-6-()	2	A/C	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-31
Trade Name: NAVAJO
Aircraft T.C./STC: A20SO
Propeller Model: HC-E3YR-2(A)(T)F
Propeller T.C.: P33EA
Blade Model(s): FC8468-6R
 FC8468B-6R*1
Prop Diameter: 80" TO 78"

IDS No.: 1570 **Rev.:** **Date:** 2/17/2006
Modifier:
Engine: TIO-540-A2C
Power: 310 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.1

Startlock Angle: 18.7 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00191	HC-E3YR-2ATF/FC8468-6R/SM11	2	A/C	
PROPELLER	E3R00191KD	HC-E3YR-2ATF/FC8468-6R/SM11	2	A/C	
BLADE	FC8468-6R	PCP:BLADE,UNIT, ALUM B-3202H-2	3	Prop	
BLADE	FC8468B-6R*1	PCP:BLADE UNIT,4H1188-3 BOOT	3	Prop	
GOVERNOR	F6-24	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
SPIN MTG KIT	A-2476-11	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICE KIT_PR	7931-77-845-1A	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-31-T2
Trade Name: CHEYENNE IIXL
Aircraft T.C./STC: A8EA
Propeller Model: HC-B3TN-3B
Propeller T.C.: P15EA
Blade Model(s): T10178B-8R*1
 T10178NB-8R*1
Prop Diameter: 93.5" TO 93"

IDS No.: 821 **Rev.:** 2 **Date:** 6/4/2013
Modifier:
Engine: PT6A-135
Power: 620 HP @ 1900 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 20.2 +-0.1

Startlock Angle: NA
Feather/High Angle: 88.2 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10211	HC-B3TN-3B/T10178NB-8R[*1]/DEI	2	A/C	
BLADE	T10178B-8R*1	IDS*ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178NB-8R*1	T10178N-8R BLADE,4H1188-5 BOOT	3	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	24	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3867-0432	IDS Item	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-040-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PIPER

Model: PA-31-T1
Trade Name: CHEYENNE I/IA
Aircraft T.C./STC: STC-SA1787NM
Propeller Model: HC-B3TN-3B
Propeller T.C.: P15EA
Blade Model(s): T10178-10Q
 T10178N-10Q

Prop Diameter: 91.5"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle:

IDS No.: 822 **Rev.:** 1 **Date:** 1/10/2011
Modifier: AERO AIR
Engine: PT6A-11
Power: 500 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10178-10Q	IDS*ITEM, BLADE	3	Prop	
BLADE	T10178N-10Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

PIPER

Model: PA-31-T2
Trade Name: CHEYENNE IIXL
Aircraft T.C./STC: STC-SA4743NM
Propeller Model: HC-B3TN-3B
Propeller T.C.: P15EA
Blade Model(s): T10178-10Q
 T10178B-10Q
 T10178N-10Q
 T10178NB-10Q

Prop Diameter: 91"

Prop Setup:

Ref. Radius 30
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 20.2 +-0.1

IDS No.: 825 **Rev.:** 1 **Date:** 1/10/2011
Modifier: AERO AIR
Engine: PT6A-135
Power: 620 HP @ 1900 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 88.2 +-0.5
Cwt Angle: Unknown

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10178-10Q	IDS*ITEM, BLADE	3	Prop	
BLADE	T10178B-10Q	IDS*ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178N-10Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10178NB-10Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-3384-34H	IDS Item	2	Blade	
CWT_SLUG	A-890-10	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary Option (w/A890-6)
CWT_SLUG	A-890-14	PCP:SLUG, COUNTERWEIGHT	1	Blade	Secondary Option (w/A-890-8)
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary Option (w/A-890-10)
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Secondary Option (w/A-890-14)
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PIPER

Model: PA-31-300
Trade Name: NAVAJO
Aircraft T.C./STC: A20SO
Propeller Model: HC-E2YR-2B(T)
Propeller T.C.:
Blade Model(s): FC8475A-4
Prop Diameter: 80" TO 78"

IDS No.: 806 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: IO-540-M1A5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

Startlock Angle: 18.0 +-1.5
Feather/High Angle: 81.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8475A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F6-15A	GOVERNOR ASSEMBLY, F-6-()	2	A/C	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-31-310
Trade Name: NAVAJO
Aircraft T.C./STC: A20SO
Propeller Model: HC-E3YR-2(A)(T)(F)
Propeller T.C.: P33EA
Blade Model(s): FC8468-6R
FC8468B-6R*1
Prop Diameter: 80" TO 78"

IDS No.: 808 **Rev.:** **Date:** 11/20/2006
Modifier:
Engine: TIO-540-A2A, -A2B
Power: 310 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E3R00185	HC-E3YR-2ATF/FC8468-6R/SM11	2	A/C	
PROPELLER	E3R00185KD	HC-E3YR-2ATF/FC8468-6R/SM11			
PROPELLER	E3R00211	HC-E3YR-2ATF/FC8468B-6R*1/SM11	2	A/C	
PROPELLER	E3R00211KD	HC-E3YR-2ATF/FC8468B-6R*1/SM11	2	A/C	
BLADE	FC8468-6R	PCP:BLADE,UNIT, ALUM B-3202H-2	3	Prop	
BLADE	FC8468B-6R*1	PCP:BLADE UNIT,4H1188-3 BOOT	3	Prop	
GOVERNOR	F6-24	GOVERNOR ASSEMBLY, F-6-()	2	A/C	
SPIN MTG KIT	A-2476-11	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICE KIT_PR	7931-77-845-1A	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-31-325 (left side)
Trade Name: NAVAJO C/R
Aircraft T.C./STC: A20SO
Propeller Model: HC-E3YR-2A(T)F
Propeller T.C.: P33EA
Blade Model(s): FC8468-6R
 FC8468B-6R*1
Prop Diameter: 80" TO 78"

IDS No.: 810 **Rev.:** **Date:** 2/17/2006
Modifier:
Engine: TIO-540-F2BD
Power: 325 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.1

Startlock Angle: 18.7 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00191	HC-E3YR-2ATF/FC8468-6R/SM11	1	A/C	
PROPELLER	E3R00191KD	HC-E3YR-2ATF/FC8468-6R/SM11	1	A/C	
PROPELLER	E3R00212	HC-E3YR-2ATF/FC8468B-6R[*1]	1	A/C	
BLADE	FC8468-6R	PCP:BLADE,UNIT, ALUM B-3202H-2	3	Prop	
BLADE	FC8468B-6R*1	PCP:BLADE UNIT,4H1188-3 BOOT	3	Prop	
GOVERNOR	F6-24	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
GOVERNOR	F6-24Z	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-11	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICE KIT_PR	7931-77-845-1A	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-31-325 (right side)
Trade Name: NAVAJO C/R
Aircraft T.C./STC: A20SO
Propeller Model: HC-E3YR-2AL(T)F
Propeller T.C.: P33EA
Blade Model(s): FJC8468-6R
 FJC8468B-6R
Prop Diameter: 80" TO 78"

IDS No.: 811 **Rev.:** **Date:** 3/25/2002
Modifier:
Engine: LTIO-540-F2BD (right)
Power: 325 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.1

Startlock Angle: 18.7 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00121	HC-E3YR-2ALTF/FJC8468-6R/SM11	1	A/C	
PROPELLER	E3R00143	HC-E3YR-2ALTF/FJC8468B-6R/SM11	1	A/C	
BLADE	FJC8468-6R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FJC8468B-6R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
GOVERNOR	F6-24L	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
GOVERNOR	F6-24LZ	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
GOVERNOR	F8-24L	GOVERNOR ASSEMBLY, F-8-()	1	A/C	14 Volt
GOVERNOR	F8-24LZ	GOVERNOR ASSEMBLY, F-8-()	1	A/C	14 Volt
GOVERNOR	F8-48L	GOVERNOR ASSEMBLY, F-8-()	1	A/C	28 Volt
GOVERNOR	F8-48LZ	GOVERNOR ASSEMBLY, F-8-()	1	A/C	28 Volt
SPIN MTG KIT	A-2476-11	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-3
DE-ICE KIT_PR	7931-77-845-1B	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-31-325, -350 (left side)
Trade Name: NAVAJO CHIEFTAIN (PANTHER)
Aircraft T.C./STC: STC-SA970S0/1151SO
Propeller Model: HC-C4YR-2
Propeller T.C.: P52GL
Blade Model(s): FC7663D-6Q
 FC7663DB-6Q
 FC7663DB-6Q*1

Prop Diameter: 73.75"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.2 +-0.1

IDS No.: 1116 **Rev.:** **Date:** 11/20/2006
Modifier: COLEMILL
Engine: TIO-540-J2BD
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes: STC SA1151SO also applies

Startlock Angle: 19.7 +-1.5

Feather/High Angle: 83.5 +-0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C4R00035	HC-C4YR-2/FC7663DB-6Q/SM20	1	A/C	
PROPELLER	C4R00039	HC-C4YR-2/FC7663DB-6Q[*1]/SM20	1	A/C	
BLADE	FC7663D-6Q	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	FC7663DB-6Q	PCP:BLADE UNIT, ALUM 4H1601-7	4	Prop	
BLADE	FC7663DB-6Q*1	PCP:BLADE UNIT,ALUM, 4H1601-14	4	Prop	
SPINNER	D-4511	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4511-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-20	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-14	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-14
DE-ICER	4H1601-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-7
DE-ICE KIT_PR	7931-65-225	DE-ICE KIT,4H1967-1 (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-65-225*1	DE-ICE KIT,4H1967-3(ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-31-325, -350 (right side)
Trade Name: NAVAJO CHIEFTAIN (PANTHER)
Aircraft T.C./STC: STC-SA970S0/1151SO
Propeller Model: HC-C4YR-2L
Propeller T.C.: P52GL
Blade Model(s): FJC7663D-6Q
 FJC7663DB-6Q

Prop Diameter: 73.75"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.2 +/-0.1

IDS No.: 817 **Rev.:** **Date:** 11/20/2006
Modifier: COLEMILL
Engine: LTIO-540-J2BD
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes: STC SA1151SO also applies

Startlock Angle: 19.7 +/-1.5
Feather/High Angle: 83.5 +/-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C4R00055	HC-C4YR-2L/FJC7663DB-6Q/SM20	1	A/C	
BLADE	FJC7663D-6Q	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	FJC7663DB-6Q	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-4511-L	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4511-LP	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-20	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-7
DE-ICE KIT_PR	7931-65-225-3	DE-ICE KIT, 4H1967-1(ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-31-350 (left side)
Trade Name: NAVAJO CHIEFTAIN, T-1020
Aircraft T.C./STC: A20SO
Propeller Model: HC-E3YR-2A(T)(F)
Propeller T.C.: P33EA
Blade Model(s): FC8468-6R
 FC8468B-6R*1
Prop Diameter: 80.0" TO 78.0"

IDS No.: 814 **Rev.:** **Date:** 10/1/2008
Modifier:
Engine: TIO-540-J2B, -J2BD
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes: Aircraft has C/R engines. This prop is for the left side.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

Startlock Angle: 18.9 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00190	HC-E3YR-2ATF/FC8468-6R/SM11	1	A/C	
PROPELLER	E3R00190KD	HC-E3YR-2ATF/FC8468-6R/SM11	1	A/C	
PROPELLER	E3R00213	HC-E3YR-2ATF/FC8468B-6R*1/SM11			
BLADE	FC8468-6R	PCP:BLADE,UNIT, ALUM B-3202H-2	3	Prop	
BLADE	FC8468B-6R*1	PCP:BLADE UNIT,4H1188-3 BOOT	3	Prop	
GOVERNOR	F6-24Z	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-11	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICE KIT_PR	7931-77-845-1A	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-31-350 (right side)
Trade Name: NAVAJO CHIEFTAIN, T-1020
Aircraft T.C./STC: A20SO
Propeller Model: HC-E3YR-2AL(T)(F)
Propeller T.C.: P33EA
Blade Model(s): FJC8468-6R
 FJC8468B-6R

IDS No.: 815 **Rev.:** **Date:** 10/1/2008
Modifier:
Engine: LTIO-540-J2B, -J2BD
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes: Aircraft has C/R engines. This prop is for the right side.

Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

Startlock Angle: 18.9 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E3R00120	HC-E3YR-2ALTF/FJC8468-6R/SM11	1	A/C	
PROPELLER	E3R00120KD	HC-E3YR-2ALTF/FJC8468-6R/SM11	1	A/C	
PROPELLER	E3R00144	HC-E3YR-2ALTF/FJC8468B-6R/SM11	1	A/C	
BLADE	FJC8468-6R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FJC8468B-6R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
GOVERNOR	F6-24LZ	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-11	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-3
DE-ICE KIT_PR	7931-77-845-1B	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-31-350 (left side)
Trade Name: NAVAJO
Aircraft T.C./STC: STC-SA3642NM
Propeller Model: HC-E3YR-2ATF
Propeller T.C.: P33EA
Blade Model(s): FC8468B-8Q

IDS No.: 818 **Rev.:** **Date:** 11/20/2006
Modifier: CAPE SMITH AIR
Engine: TIO-540-J2BD
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes: See IDS #1951 for LH prop

Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

Startlock Angle: 18.9 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8468B-8Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
GOVERNOR	F6-24	GOVERNOR ASSEMBLY, F-6-()			
GOVERNOR	F6-24L	GOVERNOR ASSEMBLY, F-6-()			
GOVERNOR	F8-24L	GOVERNOR ASSEMBLY, F-8-()			
GOVERNOR	F8-48L	GOVERNOR ASSEMBLY, F-8-()			
SPIN MTG KIT	A-2476-11	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-3
DE-ICE KIT_PR	7931-77-845-1A	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-31-350 (right side)
Trade Name: NAVAJO
Aircraft T.C./STC: STC-SA3642NM
Propeller Model: HC-E3YR-2ALTF
Propeller T.C.: P33EA
Blade Model(s): FJC8468B-8Q
Prop Diameter: 78"

IDS No.: 1951 **Rev.:** **Date:** 11/20/2006
Modifier: CAPE SMITH AIR
Engine: LTIO-540-J2BD
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes: See IDS #818 for RH prop

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.4 +-0.1

Startlock Angle: 18.9 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FJC8468B-8Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
GOVERNOR	F6-24	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
GOVERNOR	F6-24L	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
GOVERNOR	F8-24L	GOVERNOR ASSEMBLY, F-8-()	1	Prop	
GOVERNOR	F8-48L	GOVERNOR ASSEMBLY, F-8-()	1	Prop	
SPIN MTG KIT	A-2476-11	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-3
DE-ICE KIT_PR	7931-77-845-1B	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-31P
Trade Name: PRESSURIZED NAVAJO
Aircraft T.C./STC: A8EA
Propeller Model: HC-C3YN-2L(A)UF
Propeller T.C.: P25EA
Blade Model(s): FJC9684-3R
 FJC9684B-3R
Prop Diameter: 93" NO CUT OFF

IDS No.: 819 **Rev.:** **Date:** 5/7/2008
Modifier:
Engine: TIGO-541-E
Power: 425 HP @ 2133 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.2 +-0.1

Startlock Angle: 22.7 +-1.5
Feather/High Angle: 85.7 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3N00100	HC-C3YN-2LUF/FJC9684-3R	2	A/C	
PROPELLER	C3N00150	HC-C3YN-2LUF/FJC9684B-3R/SM13			
BLADE	FJC9684-3R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FJC9684B-3R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPIN MTG KIT	A-2476-13	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1601-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-3
DE-ICE KIT_PR	7931-77-940	IDS ITEM - DE-ICE KIT	1	A/C	
MTG BOLT/STUD	A-3254	STUD, MOUNTING, 9/16-18	8	Prop	

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PIPER

Model: PA-31P
Trade Name: COMANCHERO 500
Aircraft T.C./STC: STC SA4268SW
Propeller Model: HC-B3TN-3B
Propeller T.C.: P15EA
Blade Model(s): T10173ANB-6Q
Prop Diameter: 95.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle: 20.0 +/-0.1

IDS No.: 823 **Rev.:** 1 **Date:** 1/10/2011
Modifier: SCHAFFER AIRCRAFT CORP.
Engine: PT6A-135
Power: 620 HP @ 1900 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.5 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173ANB-6Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-4258	BULKHEAD UNIT	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-040-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PIPER

Model: PA-31P-350 (left side)
Trade Name: MOJAVE
Aircraft T.C./STC: A8EA
Propeller Model: HC-I3YR-2UF
Propeller T.C.: P33EA
Blade Model(s): FC7854
 FC7854K
Prop Diameter: 80" NO CUT OFF

IDS No.: 813 **Rev.:** 1 **Date:** 9/7/2010
Modifier:
Engine: TIO-540-V2AD (left)
Power: 350 HP @ 2600 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

Startlock Angle: 18.0 +-1.5
Feather/High Angle: 80.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I3R00015	HC-I3YR-2UF/FC7854	1	A/C	
BLADE	FC7854	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7854K	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-4841	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V1	GOVERNOR ASSEMBLY, V-(1,2)-()	1	A/C	
GOVERNOR	V1-L	GOVERNOR ASSEMBLY, V-(1,2)-()	1	A/C	
GOVERNOR	V2-L	GOVERNOR ASSEMBLY, V-(1,2)-()	1	A/C	Synchrophasing
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-7	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICE KIT_PR	7931-67-370-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-31P-350 (right side)
Trade Name: MOJAVE
Aircraft T.C./STC: A8EA
Propeller Model: HC-I3YR-2LUF
Propeller T.C.: P33EA
Blade Model(s): FJC7854
 FJC7854K
Prop Diameter: 80" NO CUT OFF

IDS No.: 816 **Rev.:** 1 **Date:** 9/7/2010
Modifier:
Engine: LTIO-540-V2AD (right)
Power: 350 HP @ 2600 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

Startlock Angle: 18.0 +-1.5
Feather/High Angle: 80.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I3R00045	HC-I3YR-2LUF/FJC7854	1	A/C	
BLADE	FJC7854	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FJC7854K	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-4841	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V1	GOVERNOR ASSEMBLY, V-(1,2)-()			
GOVERNOR	V1-L	GOVERNOR ASSEMBLY, V-(1,2)-()	1	A/C	
GOVERNOR	V2-L	GOVERNOR ASSEMBLY, V-(1,2)-()	1	A/C	Synchrophasing
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-7L	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICE KIT_PR	7931-67-370-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-31T, PA-31T1, PA-31T3

Trade Name: CHEYENNE

Aircraft T.C./STC: A8EA

Propeller Model: HC-B3TN-3B

Propeller T.C.: P15EA

Blade Model(s): T10173-8
T10173B-8
T10173K-8
T10173N-8
T10173NB-8
T10173NK-8

Prop Diameter: 93.5" TO 93.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: -11.0 +-0.5

Low Pitch Angle: 20.2 +-0.1

IDS No.: 820

Rev.: 1

Date: 1/10/2011

Modifier:

Engine: PT6A-28, -11

Power: 620 HP @ 2200 RPM

Placard/Restr:

Notes: Engine Ratings Note: PT6A-11 (500hp)

Startlock Angle: NA

Feather/High Angle: 87.0 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: HARTZELL BULKHEAD,
PIPER DOME

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10182	HC-B3TN-3B/T10173NB-8/BULK/DEI	2	A/C	
PROPELLER	B3N10182KD	HC-B3TN-3B/T10173NB-8/BULK/DEI	2	A/C	
BLADE	T10173-8	BLADE	3	Prop	
BLADE	T10173B-8	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10173K-8	BLADE, 4E2200-10 BOOT	3	Prop	
BLADE	T10173N-8	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10173NB-8	PCP:BLADE UNIT, ALUM, 4H1188-5	3	Prop	
BLADE	T10173NK-8	PCP:BLADE UNIT, ALUM 4H2200-10	3	Prop	
SPINNER	D-4258	BULKHEAD UNIT	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	For "K" boot, 65-055-1 kit
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	For "B" de-icer, 65-040-1 kit
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	For "K" boot, 65-055-1 kit
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	For "B" de-icer, 65-040-1 kit
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	For "B" de-icer, 65-040-1 kit
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	For "K" boot, 65-055-1 kit
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	For "K" boot, 65-055-1 kit
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICE KIT_PR	7931-65-040-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-67-055-1	DE-ICE KIT (ONE PROP)	1	Prop	"K" de-ice
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

PIPER

Model: PA-31T
Trade Name:
Aircraft T.C./STC: STC-SA4335SW
Propeller Model: HC-B3TN-3C
Propeller T.C.: P15EA
Blade Model(s): T10178B-8R*1
 T10178NB-8R*1
 T10178NK-8R

Prop Diameter: 93.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle: 20.2 +/-0.1

IDS No.: 824 **Rev.:** 2 **Date:** 6/4/2013
Modifier: STANDARD AERO INC.
Engine: PT6A-135(A)
Power: 750 HP @ 1900 RPM
Placard/Restr:
Notes: OEM de-ice per customer request

Startlock Angle: NA
Feather/High Angle: 87.5 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10298	HC-B3TN-3C/T10178NB-8R[*1]/DEI	2	A/C	
PROPELLER	B3N10299	HC-B3TN-3C/T10178NB-8R[*1]	2	A/C	
PROPELLER	B3N10301	HC-B3TN-3C/T10178NK-8R/DE-ICE	2	A/C	
BLADE	T10178B-8R*1	IDS*ITEM, BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10178NB-8R*1	T10178N-8R BLADE,4H1188-5 BOOT	3	Prop	
BLADE	T10178NK-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-4258	BULKHEAD UNIT	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICE KIT_PR	7931-65-040-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_PR	7931-67-055-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PIPER

Model: PA-31T, PA-31T1, PA-31T2

Trade Name: CHEYENNE

Aircraft T.C./STC: STC-SA00863SE

Propeller Model: HC-E4N-3N

Propeller T.C.: P10NE

Blade Model(s): D8990S
D8990SK

Prop Diameter: 90.0" to 89.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: -10.0 +/-0.5

Low Pitch Angle: 20.5 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1784

Rev.: 1

Date: 8/12/2010

Modifier: Blackhawk Modifications, Inc.

Engine: PT6A-135(A)

Power: 620 HP @ 1900 RPM

Placard/Restr: "Stabilized ground operation is prohibited between 500 and 1070 RPM. The propeller may be operated feathered at or below 500 RPM."

Notes: Engine ratings: 620 HP (PA-31T and PA-31T2); 500 HP (PA-31T1)

Startlock Angle: NA

Feather/High Angle: 85.8 +/-0.5

Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00134	HC-E4N-3N/D8990SK	2	A/C	
PROPELLER	E4N00134S	HC-E4N-3N/D8990SK/D-630-4P	2	A/C	
BLADE	D8990S	PCP:BLADE UNIT, ALUMINUM			De-Ice boot must be installed on blade for the prop to conform to the aircraft Type Certificate
BLADE	D8990SK	PCP:BLADE UNIT, ALUM,4H2271-12	4	Prop	
SPINNER	D-5710-4	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5710-4P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-3	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H2271-12	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-12
DE-ICE KIT_PR	7931-5E2729-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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PIPER

Model: PA-31T, PA-31T1
Trade Name: CHEYENNE
Aircraft T.C./STC: STC-SA01248SE
Propeller Model: HC-E4N-3N
Propeller T.C.: P10NE

IDS No.: 2836 **Rev.:** 1 **Date:** 8/12/2010
Modifier: Blackhawk Modifications, Inc.
Engine: PT6A-11, -28
Power: 620 HP @ 2200 RPM
Placard/Restr: "Stabilized ground operation is prohibited between 500 and 1070 RPM. The propeller may be operated feathered at or below 500 RPM."

Blade Model(s): D8990S
 D8990SB
 D8990SB*1

Notes: PT6A-11 (500 HP) used on PA-31T1;
 PT6A-28 (620 HP) used on PA31T

Prop Diameter: 90.0" to 89.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle: 20.5 +/-0.1

Startlock Angle: NA
Feather/High Angle: 85.8 +/-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00133S	HC-E4N-3N/D8990SB/D-5710-4P	2	A/C	
PROPELLER	E4N00137S	HC-E4N-3N/D8990SB[*1/D-5710-4P	2	A/C	
BLADE	D8990S	PCP:BLADE UNIT, ALUMINUM			De-Ice boot must be installed on blade for the prop to conform to the aircraft Type Certificate
BLADE	D8990SB	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
BLADE	D8990SB*1	PCP:BLADE UNIT, ALUM [3,1,1]	4	Prop	
SPINNER	D-5710-4	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5710-4P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-3	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H1601-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-10
DE-ICE KIT_PR	7931-5E2729-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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PIPER

Model: PA-32-260
Trade Name: CHEROKEE SIX 260
Aircraft T.C./STC: A3SO
Propeller Model: HC-C2YK-1()F
Propeller T.C.: P-920
Blade Model(s): F8477-2
Prop Diameter: 82" TO 80.5"

IDS No.: 827 **Rev.:** **Date:** 8/12/1999
Modifier:
Engine: O-540-E4B5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 32.0 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00160	HC-C2YK-1BF/F8477-2	1	A/C	
BLADE	F8477-2	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
GOVERNOR	F4-11	GOVERNOR ASSEMBLY, F-4()	1	A/C	Wide deck "A" engine S/N suffix
GOVERNOR	F4-4	IDS Item	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-32-260
Trade Name: CHEROKEE SIX 260
Aircraft T.C./STC: STC-SA1105CH
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693F
 F7693F*1
 F7693F*2
Prop Diameter: 78" TO 76"

IDS No.: 1593 **Rev.:** 1 **Date:** 7/18/2013
Modifier: HARTZELL PROPELLER
Engine: O-540-E4B5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.7 +-0.2

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00031	HC-C3YR-1RF/F7693F[*2]/SM23	1	A/C	
PROPELLER	C3R00031KD	HC-C3YR-1RF/F7693F[*2]/SM23	1	A/C	
PROPELLER	C3R00031SKDTP	C3R00031/SM23/C-3535-1P	1	A/C	
PROPELLER	C3R00031STP	C3R00031/SM23/C-3535-1P	1	A/C	
BLADE	F7693F	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	Superseded by F7693F*2
BLADE	F7693F*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
BLADE	F7693F*2	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	Supersedes F7693F
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-32-300, PA-32S-300
Trade Name: CHEROKEE SIX 300
Aircraft T.C./STC: A3SO
Propeller Model: HC-C2YK-1()F
Propeller T.C.: P-920
Blade Model(s): F8475R
Prop Diameter: 84" TO 82.3"

IDS No.: 828 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: IO-540-K1A5, -K1G5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.4 +-0.2

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F4-11	GOVERNOR ASSEMBLY, F-4()	1	A/C	Wide deck "A" engine S/N sufx
GOVERNOR	F4-4	IDS Item	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-32-300, PA-32S-300
Trade Name: CHEROKEE SIX 300
Aircraft T.C./STC: A3SO

Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8475D-4
Prop Diameter: 80.0" TO 78.5"

IDS No.: 829 **Rev.:** **Date:** 4/2/2002
Modifier:
Engine: IO-540-K1A5, -K1G5 (-K1A5 ONLY, -32S-300)
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00130	HC-C2YK-1BF/F8475D-4	1	A/C	
BLADE	F8475D-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
GOVERNOR	F4-11	GOVERNOR ASSEMBLY, F-4()	1	A/C	Wide deck "A" engine S/N sufx
GOVERNOR	F4-11Z	GOVERNOR ASSEMBLY, F-4()	1	A/C	Wide deck "A" engine S/N sufx
GOVERNOR	F4-4A	GOVERNOR ASSEMBLY, F-4()	1	A/C	Nar deck non A engine S/N sufx
GOVERNOR	F4-4AZ	GOVERNOR ASSEMBLY, F-4()	1	A/C	Nar deck non A engine S/N sufx
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-32-300, PA-32S-300
Trade Name: CHEROKEE SIX 300
Aircraft T.C./STC: A3SO

Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8475R
Prop Diameter: 84.0" TO 82.3"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.4 +-0.2

Non-HPI Items:

Non-HPI Spinner: PIPER

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F4-11	GOVERNOR ASSEMBLY, F-4(-)	1	A/C	Wide deck "A" engine S/N sufx
GOVERNOR	F4-4	IDS Item	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1318 **Rev.:** **Date:** 3/18/1996
Modifier:
Engine: IO-540-K1A5, -K1G5 (-K1A5 ONLY, -32S-300)
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

PIPER

Model: PA-32R-301, PA-32-301FT
Trade Name: SARATOGA II HP, PIPER 6X
Aircraft T.C./STC: STC SA02256CH

Propeller Model: HC-I3YR-1RF
Propeller T.C.: P33EA
Blade Model(s): F7693F
 F7693F*2

Prop Diameter: 78

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.4 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	I3R00114	HC-I3YR-1RF/F7693F[*2]/SM25	1	A/C	
PROPELLER	I3R00114KD	HC-I3YR-1RF/F7693F[*2]/SM25	1	A/C	
BLADE	F7693F	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	Superseded by F7693F*2
BLADE	F7693F*2	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
SPINNER	C-3575-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3575-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V5-4	GOVERNOR ASSEMBLY, V-5(-)	1	A/C	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2620 **Rev.:** 2 **Date:** 8/5/2013
Modifier: PROFESSIONAL PILOTS INC.
Engine: IO-540-K1G5(D)
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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PIPER

Model: PA-32-301
Trade Name: SARATOGA
Aircraft T.C./STC: A3SO
Propeller Model: HC-C3YR-1()F
Propeller T.C.: P25EA
Blade Model(s): F7663R
Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.4 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 834 **Rev.:** **Date:** 1/26/2005

Modifier:
Engine: IO-540-K1G5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	835-47	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-32-301
Trade Name: SARATOGA
Aircraft T.C./STC: A3SO
Propeller Model: HC-C2YR-1()F
Propeller T.C.: P-920
Blade Model(s): F8475D-4
Prop Diameter: 80.0" TO 78.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner: PIPER

IDS No.: 833 **Rev.:** **Date:** 3/3/2003

Modifier:
Engine: IO-540-K1G5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: "K" Flange approved.

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00060	HC-C2YR-1BF/F8475D-4	1	A/C	
BLADE	F8475D-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4()	1	A/C	Primary
GOVERNOR	F4-11BZ	GOVERNOR ASSEMBLY, F-4()	1	A/C	Secondary
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-32-301T
Trade Name: TURBO SARATOGA
Aircraft T.C./STC: A3SO
Propeller Model: HC-E2YR-1()F
Propeller T.C.: P9EA
Blade Model(s): F8477-4
Prop Diameter: 80" TO 78.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.6 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 838 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: TIO-540-S1AD
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4()	1	A/C	
GOVERNOR	F4-11BZ	GOVERNOR ASSEMBLY, F-4()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-32(R,S,RT)-300/PA-32(-,R)-301

Trade Name: CHEROKEE SIX, LANCE,
SARATOGA

Aircraft T.C./STC: STC SA02256CH

Propeller Model: HC-C3YR-1RF

Propeller T.C.: P25EA

Blade Model(s): F7693F

F7693F*1

F7693F*2

Prop Diameter: 78"

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle: 12.4 +-0.2

IDS No.: 2451

Rev.: 3

Date: 7/18/2013

Modifier: PROFESSIONAL PILOTS, INC

Engine: IO-540-K1A5(D), -K1G5(D)

Power: 300 HP @ 2700 RPM

Placard/Restr:

Notes: A-2476-23 to be used with C-3535-1(P)
Spinner only.

Startlock Angle:

Feather/High Angle: 32.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R01300	HC-C3YR-1RF/F7693F[*2]/SM23	1	A/C	Uses C-3535-1(P) Spinner Assy
PROPELLER	C3R01300KD	HC-C3YR-1RF/F7693F[*2]/SM23	1	A/C	Uses C-3535-1(P) Spinner Assy
PROPELLER	C3R01302	HC-C3YR-1RF/F7693F[*1]/SM23	1	A/C	Uses C-3535-1(P) Spinner Assy
PROPELLER	C3R01305	HC-C3YR-1RF/F7693F[*2]	1	A/C	Uses 835-47(P) spinner
PROPELLER	C3R01305KD	HC-C3YR-1RF/F7693F[*2]	1	A/C	Uses 835-47(P) spinner
BLADE	F7693F	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	Superseded by F7693F*2
BLADE	F7693F*1	PCP:BLADE UNIT, ALUM [3,1,1]	3	Prop	
BLADE	F7693F*2	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	Supersedes F7693F
SPINNER	835-47	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	835-47P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	A/C	
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4-()	1	Prop	
GOVERNOR	F4-11BZ	GOVERNOR ASSEMBLY, F-4-()	1	Prop	
SPIN MTG KIT	A-2476-23	SPINNER - MTG KIT	1	Prop	Use with C-3535-1(P) only
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-32-301XTC
Trade Name: 6XT
Aircraft T.C./STC: A3SO
Propeller Model: HC-I3YR-1RF
Propeller T.C.: P33EA

Blade Model(s): F7663DR
Prop Diameter: 78.0"

IDS No.: 1976 **Rev.:** **Date:** 9/22/2006
Modifier:
Engine: TIO-540-AH1A
Power: 300 HP @ 2500 RPM
Placard/Restr: Do not operate above 26.0 Hg MAP below 2100 RPM
Notes: Place decal "PS 50077-97" outboard of blade decals and overspray with CM129 Protective Spray

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.2 +0.2

Startlock Angle: NA
Feather/High Angle: 34.0 +0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I3R00111	HC-I3YR-1RF/F7663DR/SM25	1	A/C	
BLADE	F7663DR	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3575-1P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V5-6	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-32-301T
Trade Name: TURBO SARATOGA
Aircraft T.C./STC: A3SO
Propeller Model: HC-E3YR-1(R)F
Propeller T.C.: P33EA
Blade Model(s): F7673DR
 F7673DR*1
Prop Diameter: 78.0" TO 76.0"

IDS No.: 839 **Rev.:** **Date:** 12/30/2004
Modifier:
Engine: TIO-540-S1AD
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +0.2

Startlock Angle: NA
Feather/High Angle: 34.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00008	HC-E3YR-1RF/F7673DR/SM25	1	A/C	
PROPELLER	E3R00008KD	HC-E3YR-1RF/F7673DR/SM25	1	A/C	
BLADE	F7673DR	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F7673DR*1	IDS Item	3	Prop	
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3575-1	SPINNER ASSEMBLY	1	Prop	w/ De-ice
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
GOVERNOR	F4-11BZ	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-32R-301T
Trade Name: TURBO SARATOGA SP
Aircraft T.C./STC: A3SO
Propeller Model: HC-E3YR-1()F
Propeller T.C.: P33EA
Blade Model(s): F7673DR
Prop Diameter: 78.0" TO 76.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.2

IDS No.: 840 **Rev.:** **Date:** 1/26/2005
Modifier:
Engine: TIO-540-S1AD
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 34.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7673DR	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3575	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
GOVERNOR	F4-11BZ	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-32-301FT
Trade Name: 6X
Aircraft T.C./STC: A3SO
Propeller Model: HC-I3YR-1RF
Propeller T.C.: P33EA

Blade Model(s): F7663DR
Prop Diameter: 78.0" TO 77.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.4 +-0.2

IDS No.: 1975 **Rev.:** **Date:** 9/22/2006
Modifier:
Engine: IO-540-K1G5
Power: 300 HP @ 2700 RPM
Placard/Restr: Do not exceed 23 inches of manifold pressure below 2100 RPM.
Notes: Place decal "PS 50077-89" outboard of blade decals and overspray with CM129 Protective Spray

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	I3R00110	HC-I3YR-1RF/F7663DR/SM25	1	A/C	
BLADE	F7663DR	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3575-1P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V5-4	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-32R-300, PA-32RT-300

Trade Name: LANCE, LANCE II

Aircraft T.C./STC: A3SO

Propeller Model: HC-C2YK-1BF

Propeller T.C.: P-920

Blade Model(s): F8475D-4

Prop Diameter: 80.0" TO 78.5"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 13.5 +-0.2

IDS No.: 830

Rev.:

Date: 3/18/1996

Modifier:

Engine: IO-540-K1A5D, -K1G5D (-K1A5D ONLY, -32R-300)

Power: 300 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 34.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00130	HC-C2YK-1BF/F8475D-4	1	A/C	
BLADE	F8475D-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
GOVERNOR	F4-11BZ	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-32RT-300T

Trade Name: TURBO LANCE II

Aircraft T.C./STC: A3SO

Propeller Model: HC-E2YR-1()F

Propeller T.C.: P9EA

Blade Model(s): F8477-4

Prop Diameter: 80" TO 78.5"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 15.6 +-0.2

IDS No.: 831

Rev.:

Date: 11/11/1997

Modifier:

Engine: TIO-540-S1AD

Power: 300 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 34.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E2R00060	HC-E2YR-1BF/F8477-4	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-32R-301
Trade Name: SARATOGA SP
Aircraft T.C./STC: A3SO
Propeller Model: HC-C3YR-1()F
Propeller T.C.: P25EA
Blade Model(s): F7663R
Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.4 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 835 **Rev.:** **Date:** 1/26/2005
Modifier:
Engine: IO-540-K1G5D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	835-47	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
GOVERNOR	F4-11BZ	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-32R-301
Trade Name: SARATOGA II HP
Aircraft T.C./STC: A3SO
Propeller Model: HC-I3YR-1RF
Propeller T.C.: P33EA

Blade Model(s): F7663DR
 F7663DRB
Prop Diameter: 78.0" TO 77.0"

IDS No.: 837 **Rev.:** **Date:** 3/21/2007

Modifier:
Engine: IO-540-K1G5
Power: 300 HP @ 2700 RPM

Placard/Restr: Do not exceed 23 inches of manifold pressure below 2100 RPM.

Notes: For Anti-Ice Props, place decal "PS50077-110" outboard of blade decals and overspray with CM129 Protective Spray. For Non Anti-Ice Props, place decal "PS 50077-89" outboard of blade decals and overspray with CM129 Protective Spray; *Hub clamping bolts which hold TKS brackets in place, must be installed with the head of the bolt on the engine side of hub on smooth forged hubs.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.4 +-0.2

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I3R00100	HC-I3YR-1RF/F7663DRB/SM25/BULK	1	A/C	
PROPELLER	I3R00100KD	HC-I3YR-1RF/F7663DRB/SM25/BULK	1	A/C	
PROPELLER	I3R00101	HC-I3YR-1RF/F7663DRB/SM25	1	A/C	
PROPELLER	I3R00110	HC-I3YR-1RF/F7663DR/SM25	1	A/C	
PROPELLER	I3R00110KD	HC-I3YR-1RF/F7663DR/SM25	1	A/C	
BLADE	F7663DR	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F7663DRB	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3575-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3575-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3575-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V5-4	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-12	BOOT, ANTI-ICING	1	Blade	
DE-ICE KIT_PR	7931-12751-38	ANTI-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	C-3532-16PKIT	POLISHED DOME / MTG HDW	1	Prop	

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PIPER

Model: PA-32R-301
Trade Name: SARATOGA SP
Aircraft T.C./STC: A3SO
Propeller Model: HC-C2YR-1()
Propeller T.C.:
Blade Model(s): F8475D-4
Prop Diameter: 80.0" TO 78.5"

IDS No.: 836 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: IO-540-K1G5D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: "K" Flange approved.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8475D-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
GOVERNOR	F4-11BZ	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-32R-301T
Trade Name: TURBO SARATOGA SP
Aircraft T.C./STC: A3SO
Propeller Model: HC-E2YR-1()F
Propeller T.C.: P9EA
Blade Model(s): F8477-4
Prop Diameter: 80" TO 78.5"

IDS No.: 841 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: TIO-540-S1AD
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.6 +-0.2

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
GOVERNOR	F4-11BZ	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-32R-301T
Trade Name: SARATOGA II TC
Aircraft T.C./STC: A3SO
Propeller Model: HC-I3YR-1RF
Propeller T.C.: P33EA

Blade Model(s): F7663DR
 F7663DRB
Prop Diameter: 78.0"

IDS No.: 1248 **Rev.:** **Date:** 5/10/2007

Modifier:
Engine: TIO-540-AH1A
Power: 300 HP @ 2500 RPM

Placard/Restr: Do not operate above 26 inches manifold pressure below 2100 RPM.

Notes: For Anti-Ice Props, place decal "PS50077-111" outboard of blade decals and overspray with CM129 Protective Spray. For Non Anti-Iced Props, place decal "PS 50077-97" outboard of blade decals and overspray with CM129 Protective Spray; *Hub clamping bolts which hold TKS brackets in place, must be installed with the head of the bolt on the engine side of hub on smooth forged hubs.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.2 +/-0.2

Startlock Angle: NA
Feather/High Angle: 34.0 +/-0.5
Cwt Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I3R00103	HC-I3YR-1RF/F7663DRB/SM25/BULK	1	A/C	
PROPELLER	I3R00103KD	HC-I3YR-1RF/F7663DRB/SM25/BULK	1	A/C	
PROPELLER	I3R00104	HC-I3YR-1RF/F7663DRB/SM25	1	A/C	
PROPELLER	I3R00111	HC-I3YR-1RF/F7663DR/SM25	1	A/C	
PROPELLER	I3R00111KD	HC-I3YR-1RF/F7663DR/SM25	1	A/C	
BLADE	F7663DR	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F7663DRB	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3575-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3575-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3575-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V5-6	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
DE-ICER	C-2131-12	BOOT, ANTI-ICING	1	Blade	
DE-ICE KIT_PR	7931-12751-38	ANTI-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	C-3532-16PKIT	POLISHED DOME / MTG HDW	1	Prop	

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PIPER

Model: PA-32-300, -32R(T)-300
Trade Name: LANCE, LANCE II
Aircraft T.C./STC: STC-SA1791GL

Propeller Model: HC-C3YR-1(F)
Propeller T.C.: P25EA
Blade Model(s): F7663R
 F7663R*1
 F7663R*2

Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.4 +-0.2

IDS No.: 1164 **Rev.:** 1 **Date:** 9/16/2010
Modifier: HARTZELL PROPELLER
Engine: IO-540-K1A4, -K1G5 (PA-32R-300, IO-540-K1A5D, -K1G5D; PA-32RT-300, IO-540-K1G5D)
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00025	HC-C3YR-1RF/F7663R	1	A/C	
PROPELLER	C3R00025KD	HC-C3YR-1RF/F7663R	1	A/C	
PROPELLER	C3R00025SKDTP	C3R00025/835-47P	1	A/C	
PROPELLER	C3R00025STP	C3R00025/835-47P	1	A/C	
PROPELLER	C3R01100	HC-C3YR-1RF/F7663R[*2]	1	A/C	
BLADE	F7663R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F7663R*1	IDS Item	3	Prop	
BLADE	F7663R*2	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
SPINNER	835-47	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-47P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-11	GOVERNOR ASSEMBLY, F-4-()	1	A/C	PA-32-300 w/ "A" eng S/N sufx
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4-()	1	A/C	PA-32R-300 & PA-32RT-300
GOVERNOR	F4-11BZ	GOVERNOR ASSEMBLY, F-4-()	1	A/C	PA-32R-300 & PA-32RT-300
GOVERNOR	F4-11Z	GOVERNOR ASSEMBLY, F-4-()	1	A/C	PA-32-300 w/ "A" eng S/N sufx
GOVERNOR	F4-4A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	PA-32-300 w/ non-A eng S/N suf
GOVERNOR	F4-4AZ	GOVERNOR ASSEMBLY, F-4-()	1	A/C	PA-32-300 w/ non-A eng S/N suf
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-32-300, -32R(T)-300
Trade Name: LANCE, LANCE II
Aircraft T.C./STC: STC-SA1791GL

Propeller Model: HC-C3YR-1()F
Propeller T.C.: P25EA
Blade Model(s): F7663R
Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.4 +-0.2

IDS No.: 2581 **Rev.:** **Date:** 6/15/2005
Modifier: HARTZELL PROPELLER
Engine: IO-540-K1A5, -K1G5 (PA-32R-300, IO-540-K1A5D, -K1G5D; PA-32RT-300, IO-540-K1G5D)
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Requires the installation of LoPresti STC No. SA01660AT or SA00953AT.

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00025SKDTP*1	C3R00025/SM7/A-2295-1P	1	A/C	
PROPELLER	C3R00025STP*1	C3R00025/SM7/A-2295-1P	1	A/C	
BLADE	F7663R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-32RT-300T
Trade Name: TURBO LANCE II
Aircraft T.C./STC: SA3181NM
Propeller Model: HC-E3YR-1RF
Propeller T.C.: P33EA
Blade Model(s): F7673DR
Prop Diameter: 78.0" TO 76.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.2

IDS No.: 2516 **Rev.:** **Date:** 12/30/2004
Modifier: HARTZELL PROPELLER
Engine: TIO-540-S1AD
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 34.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00008SKDTP	E3R00008/SM25/C-3575-P	1	A/C	
PROPELLER	E3R00008STP	E3R00008/SM25/C-3575-P	1	A/C	
BLADE	F7673DR	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3575-P	SPINNER ASSEMBLY	1	A/C	
GOVERNOR	F4-11B	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
GOVERNOR	F4-11BZ	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-32S-300
Trade Name: CHEROKEE SIX
Aircraft T.C./STC: STC-SA932EA
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8475+2
Prop Diameter: 86"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8475+2	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 832 **Rev.:** **Date:** 1/12/2004
Modifier: PK FLOAT DIVISION
Engine: IO-540-K1A5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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PIPER

Model: PA-34-200T (right side)
Trade Name: SENECA II
Aircraft T.C./STC: A7SO
Propeller Model: BHC-C2YF-2()L()U)F ("U" for -E engine only)
Propeller T.C.: P-920
Blade Model(s): FJC8459-8R
 FJC8459B-8R
 FJC8459B-8R*1

Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.4 +-0.2

IDS No.: 845 **Rev.:** **Date:** 11/20/2006

Modifier:
Engine: LTSIO-360-E, -EB
Power: 215 HP @ 2575 RPM
Placard/Restr:

Notes: 79.3+-0.2 OK for SN < AN3943. PLR date is 6/11/98 for -2CLKUF and 11/2/73 for -2CLKF.

Startlock Angle: 19.9 +-1.5
Feather/High Angle: 80.75 +-0.75
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2F00290	BHC-C2YF-2CLKUF/FJC8459-8R/SM4	1	A/C	
PROPELLER	C2F00292	BHC-C2YF-2CLKUF/FJC8459B-8R/S4	1	A/C	PROP DEICE:BOOTS&WIREHRNS ONLY
BLADE	FJC8459-8R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FJC8459B-8R	PCP:BLADE UNIT, 4H1214-10	2	Prop	
BLADE	FJC8459B-8R*1	IDS ITEM, 4E2303-10,B-3202H-4L	2	Prop	
SPINNER	C-2285-2L	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-L	GOVERNOR ASSEMBLY, E-3-()			
GOVERNOR	E8-L	GOVERNOR ASSEMBLY, E-8 (L)-()			Synchrophasing
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1214-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1214-10
DE-ICER	4H2303-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2303-10
DE-ICE KIT_PR	7931-65-115	IDS ITEM - DE-ICE KIT	1	Prop	
DE-ICE KIT_PR	7931-67-015	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	4H2235-3	WIRE HARNESS - KIT	2	Prop	HARNESS
MISC ACCES	7931-4E2235-3	WIRE HARNESS	2	Prop	HARNESS

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PIPER

Model: PA-34-200T (left side)
Trade Name: SENECA II
Aircraft T.C./STC: A7SO
Propeller Model: BHC-C2YF-2()UF (BHC-C2YF-2()F, -E Engine only)
Propeller T.C.: P-920
Blade Model(s): FC8459-8R
 FC8459B-8R
 FC8459B-8R*3

Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.4 +-0.2

IDS No.: 844 **Rev.:** **Date:** 4/23/2007
Modifier:
Engine: TSIO-360-E, -EB
Power: 215 HP @ 2575 RPM
Placard/Restr:
Notes: 79.3+-2 OK for SN<AN3943.

Startlock Angle: 19.9 +-1.5
Feather/High Angle: 80.75 +-0.75
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00240	BHC-C2YF-2CKUF/FC8459-8R/SM4	1	A/C	
PROPELLER	C2F00251	BHC-C2YF-2CKUF/FC8459B-8R/SM4	1	A/C	
BLADE	FC8459-8R	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
BLADE	FC8459B-8R	PCP:BLADE UNIT, ALUM 4H1895-10	2	Prop	
BLADE	FC8459B-8R*3	PCP:BLADE UNIT, 4H2292-10	2	Prop	
SPINNER	C-2285-2	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3	GOVERNOR ASSEMBLY, E-3(-)			
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1895-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1895-10
DE-ICER	4H2292-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2292-10
DE-ICE KIT_PR	7931-65-115	IDS ITEM - DE-ICE KIT	1	Prop	14 Volt
DE-ICE KIT_PR	7931-67-015	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	7931-4E1967-3	DE-ICER WIRE HARNESS	2	Prop	Harness

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PIPER

Model: PA-34-200 (left side)
Trade Name: SENECA
Aircraft T.C./STC: A7SO
Propeller Model: HC-C2YK-2()E(U)(F), -2CGUF
Propeller T.C.: P-920

Blade Model(s): FC7666A
 FC7666AB
Prop Diameter: 76.0" TO 74.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

Non-HPI Items:

Non-HPI Spinner: PIPER

IDS No.: 1917 **Rev.:** **Date:** 2/14/2008

Modifier:
Engine: IO-360-C1E6
Power: 200 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2200 and 2400 RPM unless aircraft is equipped with Hartzell C-1576 Damper on both left and right engines.

Notes: C2K00370 has no C-1576 Damper.

Startlock Angle: 19.0 +-1.5

Feather/High Angle: 80.0 +-1.0

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00370	HC-C2YK-2CGUF/FC7666A/SM16	1	A/C	
PROPELLER	C2K00371	HC-C2YK-2CGUF/FC7666A/SM16/DPR	1	A/C	
PROPELLER	C2K00372	HC-C2YK-2CGUF/FC7666AB/SM16/DP	1	A/C	
BLADE	FC7666A	PCP:BLADE UNIT, B-3202H-9 CWT	2	Prop	
BLADE	FC7666AB	PCP:BLADE UNIT, B3202H-9 CWT	2	Prop	
GOVERNOR	F6-18A	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-9	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1214-2	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1214-2
DE-ICE KIT_PR	7931-77-220	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

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PIPER

Model: PA-34-200 (left side)
Trade Name: SENECA
Aircraft T.C./STC: A7SO
Propeller Model: HC-C2YK-2()E(U)(F)
Propeller T.C.: P-920

IDS No.: 842 **Rev.:** 1 **Date:** 7/24/2013

Modifier:
Engine: IO-360-C1E6
Power: 200 HP @ 2700 RPM

Placard/Restr: The following placard applies if C-1576 Damper is not used: Avoid continuous operation between 2200 and 2400 RPM; Current Prop Model is HC-C2YK-2CEUF.

Blade Model(s): FC7666A
 FC7666AB
Prop Diameter: 76.0" TO 74.0"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

Startlock Angle: 19.0 +-1.5

Feather/High Angle: 80.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00290	HC-C2YK-2CEUF/FC7666A/SM4	1	A/C	
PROPELLER	C2K00291	HC-C2YK-2CEUF/FC7666A/SM16/DPR	1	A/C	
PROPELLER	C2K00300	HC-C2YK-2CEUF/FC7666AB/SM4	1	A/C	
BLADE	FC7666A	PCP:BLADE UNIT, B-3202H-9 CWT	2	Prop	
BLADE	FC7666AB	PCP:BLADE UNIT, B3202H-9 CWT	2	Prop	
GOVERNOR	F6-18A	GOVERNOR ASSEMBLY, F-6-()			
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	Use w/C-1576, Ref Dwg C-1582
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-9	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1214-2	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1214-2
DE-ICE KIT_PR	7931-77-220	IDS ITEM - DE-ICE KIT	1	Prop	
DE-ICE KIT_PR	7931-77-220-1*	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

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PIPER

Model: PA-34-200 (right side)
Trade Name: SENECA
Aircraft T.C./STC: A7SO
Propeller Model: HC-C2YK-2CLGUF
Propeller T.C.: P-920

Blade Model(s): FJC7666A
 FJC7666AB
Prop Diameter: 76.0" TO 74.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

Non-HPI Items:

Non-HPI Spinner: PIPER

IDS No.: 1916 **Rev.:** **Date:** 2/14/2008

Modifier:
Engine: LIO-360-C1E6
Power: 200 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2200 and 2400 RPM unless aircraft is equipped with Hartzell C-1576 Damper on both left and right engines

Notes: C2K00451 has no C1576 Damper

Startlock Angle: 19.0 +-1.5

Feather/High Angle: 80.0 +-1.0

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00450	HC-C2YK-2CLGUF/FJC7666A/SM16/D	1	A/C	
PROPELLER	C2K00451	HC-C2YK-2CLGUF/FJC7666A/SM16	1	A/C	
PROPELLER	C2K00452	HC-C2YK-2CLGUF/FJC7666AB/SM16	1	A/C	
BLADE	FJC7666A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FJC7666AB	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F6-18AL	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-9L	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1895-2	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1895-2
DE-ICE KIT_PR	7931-77-220	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

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PIPER

Model: PA-34-200 (right side)
Trade Name: SENECA
Aircraft T.C./STC: A7SO
Propeller Model: HC-C2YK-2()LE(U)(F)
Propeller T.C.: P-920

Blade Model(s): FJC7666A
 FJC7666AB
Prop Diameter: 76.0" TO 74.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

Non-HPI Items:

Non-HPI Spinner: PIPER

IDS No.: 843 **Rev.:** 1 **Date:** 7/24/2013

Modifier:
Engine: LIO-360-C1E6
Power: 200 HP @ 2700 RPM

Placard/Restr: The following placard applies if C-1576 Damper is not used: Avoid continuous operation between 2200 and 2400 RPM; Current Prop Model is HC-C2YK-2CLEUF.

Notes:

Startlock Angle: 19.0 +-1.5
Feather/High Angle: 80.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00410	HC-C2YK-2CLEUF/FJC7666A/SM4	1	A/C	
PROPELLER	C2K00411	HC-C2YK-2CLEUF/FJC7666A/SM16/D	1	A/C	
PROPELLER	C2K00430	HC-C2YK-2CLEUF/FJC7666AB/SM4	1	A/C	
BLADE	FJC7666A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FJC7666AB	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F6-18AL	GOVERNOR ASSEMBLY, F-6-()			
SPIN MTG KIT	A-2476-16	SPINNER - MTG KIT	1	Prop	Use w/C-1576 Ref Dwg C-1582
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-9L	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1895-2	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1895-2
DE-ICE KIT_PR	7931-77-220	IDS ITEM - DE-ICE KIT	1	Prop	
DE-ICE KIT_PR	7931-77-220-1*	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	
DAMPER	C-1576	DAMPER ASSEMBLY	1	Prop	

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PIPER

Model: PA-34-200T (left side)
Trade Name: SENECA II
Aircraft T.C./STC: STC-SA1118SO
Propeller Model: PHC-C3YF-2KUF
Propeller T.C.: P25EA
Blade Model(s): FC7663-2R
 FC7663-2R*2
 FC7663B-2R*1
Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.2

IDS No.: 1172 **Rev.:** **Date:** 11/20/2006
Modifier: HARTZELL PROPELLER
Engine: TSIO-360-E, -EB
Power: 200 HP @ 2575 RPM
Placard/Restr:
Notes: HP< increased by 3.0 deg.

Startlock Angle: 21.7 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00610	PHC-C3YF-2KUF/FC7663-2R/SM9	1	A/C	
PROPELLER	C3F00610KD	PHC-C3YF-2KUF/FC7663-2R/SM9	1	A/C	
PROPELLER	C3F00610SKDTP	C3F00610/SM9/C-4558-3P	1	A/C	
PROPELLER	C3F00610STP	C3F00610/SM9/C-4558-3P	1	A/C	
PROPELLER	C3F00611	PHC-C3YF-2KUF/FC7663B-2R[*1]	1	A/C	
PROPELLER	C3F00611KD	PHC-C3YF-2KUF/FC7663B-2R[*1]	1	A/C	
PROPELLER	C3F00611SKDTP	C3F00611/SM9/C-4558-3P/DE-ICE	1	A/C	
PROPELLER	C3F00611STP	C3F00611/SM9/C-4558-3P/DE-ICE	1	A/C	
BLADE	FC7663-2R	PCP:BLADE UNIT, B-3202H-5	3	Prop	
BLADE	FC7663-2R*2	IDS ITEM, [3,1,1], B-3202H-5	3	Prop	
BLADE	FC7663B-2R*1	PCP:BLADE UNIT, ALUM 4H2303-10	3	Prop	
SPINNER	C-4558-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4558-3P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3	GOVERNOR ASSEMBLY, E-3-()	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2303-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2303-10
DE-ICE KIT_PR	102600-1	DE-ICE KIT (ONE PROP)	1	A/C	
DE-ICE KIT_PR	102600-3	AIRFRAME DE-ICE KIT (1 PER AC)	1	A/C	
DE-ICE KIT_PR	102600-4	AIRFRAME DE-ICE KIT (1 PER AC)	1	A/C	
DE-ICE KIT_PR	7931-67-195-1	DE-ICE KIT (TWO PROPS)	1	A/C	
DE-ICE KIT_A/F	7931-67-195	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-2 Hub Only
MTG BOLT/STUD	A-2429-6	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-12 Hub Only

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PIPER

Model: PA-34-200T (right side)
Trade Name: SENECA II
Aircraft T.C./STC: STC-SA1118SO
Propeller Model: PHC-C3YF-2LKUF
Propeller T.C.: P25EA
Blade Model(s): FJC7663-2R
 FJC7663-2R*1
 FJC7663B-2R

Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.2

IDS No.: 849 **Rev.:** **Date:** 11/20/2006
Modifier: HARTZELL PROPELLER
Engine: LTSIO-360-E(B)
Power: 200 HP @ 2575 RPM
Placard/Restr:
Notes: High Pitch is increased by 3.0 deg.; E-8L is synchrophasing

Startlock Angle: 21.7 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00510	PHC-C3YF-2LKUF/FJC7663-2R/SM9	1	A/C	
PROPELLER	C3F00510KD	PHC-C3YF-2LKUF/FJC7663-2R/SM9	1	A/C	
PROPELLER	C3F00510SKDTP	C3F00510/SM9/C-4558-3P	1	A/C	
PROPELLER	C3F00510STP	C3F00510/SM9/C-4558-3P	1	A/C	
PROPELLER	C3F00511	PHC-C3YF-2LKUF/FJC7663B-2R/SM9	1	A/C	
PROPELLER	C3F00511KD	PHC-C3YF-2LKUF/FJC7663B-2R	1	A/C	
PROPELLER	C3F00511SKDTP	C3F00511/SM9/C-4558-3P/DE-ICE	1	A/C	
PROPELLER	C3F00511STP	C3F00511/SM9/C-4558-3P/DE-ICE	1	A/C	
BLADE	FJC7663-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FJC7663-2R*1	IDS ITEM [3,1,1] B-3202H-5 CWT	3	Prop	
BLADE	FJC7663B-2R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4558-3P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-L	GOVERNOR ASSEMBLY, E-3-()	1	Prop	
GOVERNOR	E8-L	GOVERNOR ASSEMBLY, E-8 (L)-()	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2292-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2292-10
DE-ICE KIT_PR	102600-1	DE-ICE KIT (ONE PROP)	1	A/C	Top Prop Conversion Kit
DE-ICE KIT_PR	102600-3	AIRFRAME DE-ICE KIT (1 PER AC)	1	A/C	Top Prop Conversion Kit
DE-ICE KIT_PR	102600-4	AIRFRAME DE-ICE KIT (1 PER AC)	1	A/C	Top Prop Conversion Kit
DE-ICE KIT_PR	7931-67-195-1	DE-ICE KIT (TWO PROPS)	1	A/C	Top Prop Conversion Kit
DE-ICE KIT_A/F	7931-67-195	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-2 Hub Only
MTG BOLT/STUD	A-2429-6	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-12 Hub Only

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PIPER

Model: PA-34-220T (left side)
Trade Name: SENECA III
Aircraft T.C./STC: STC-SA649GL
Propeller Model: PHC-C3YF-2KUF
Propeller T.C.: P25EA
Blade Model(s): FC7453
 FC7453*1
 FC7453K

IDS No.: 850 **Rev.:** **Date:** 11/20/2006
Modifier: HARTZELL PROPELLER
Engine: TSIO-360-KB
Power: 220 HP @ 2800 RPM
Placard/Restr:
Notes: HP< increased by 3.0 deg.

Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 9.5 +-0.2

Startlock Angle: 18.0 +-1.5
Feather/High Angle: 81.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00650	PHC-C3YF-2KUF/FC7453/SM9	1	A/C	
PROPELLER	C3F00650KD	PHC-C3YF-2KUF/FC7453/SM9	1	A/C	
PROPELLER	C3F00650SKDTP	C3F00650/SM9/C-4558-3P	1	A/C	
PROPELLER	C3F00650STP	C3F00650/SM9/C-4558-3P	1	A/C	
PROPELLER	C3F00651	PHC-C3YF-2KUF/FC7453K/SM9	1	A/C	
PROPELLER	C3F00651KD	PHC-C3YF-2KUF/FC7453K/SM9	1	A/C	
PROPELLER	C3F00651SKDTP	C3F00651/SM9/C-4558-3P/DE-ICE	1	A/C	
PROPELLER	C3F00651STP	C3F00651/SM9/C-4558-3P/DE-ICE	1	A/C	
BLADE	FC7453	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7453*1	IDS ITEM,B-3202H-2 CWT [3,1,1]	3	Prop	
BLADE	FC7453K	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-3	SPINNER ASSEMBLY	1	Prop	Replaces C4558,-1
SPINNER	C-4558-3P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-7	GOVERNOR ASSEMBLY, E-3-()	1	Prop	
GOVERNOR	E8-7	IDS Item	1	Prop	
GOVERNOR	U3-8	GOVERNOR ASSEMBLY, U-(3,8)-()	1	Prop	
GOVERNOR	U8-8	IDS Item	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2303-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2303-10
DE-ICE KIT_PR	102600-1	DE-ICE KIT (ONE PROP)	1	A/C	
DE-ICE KIT_PR	102600-3	AIRFRAME DE-ICE KIT (1 PER AC)	1	A/C	
DE-ICE KIT_PR	102600-4	AIRFRAME DE-ICE KIT (1 PER AC)	1	A/C	
DE-ICE KIT_PR	7931-67-195-1	DE-ICE KIT (TWO PROPS)	1	A/C	
DE-ICE KIT_A/F	7931-67-195	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-2 Hub Only
MTG BOLT/STUD	A-2429-6	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-12 Hub Only

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APPLICATION GUIDE

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PIPER

Model: PA-34-220T (right side)
Trade Name: SENECA III
Aircraft T.C./STC: STC-SA649GL
Propeller Model: **PHC-C3YF-2LKUF**
Propeller T.C.: P25EA
Blade Model(s): FJC7453
 FJC7453*1
 FJC7453K

IDS No.: 1198 **Rev.:** **Date:** 11/20/2006
Modifier: HARTZELL PROPELLER
Engine: LTSIO-360-KB
Power: 220 HP @ 2800 RPM
Placard/Restr:
Notes: HP< increased by 3.0 deg.

Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 9.5 +-0.2

Startlock Angle: 18.0 +-1.5
Feather/High Angle: 81.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3F00550	PHC-C3YF-2LKUF/FJC7453/SM9	1	A/C	
PROPELLER	C3F00550KD	PHC-C3YF-2LKUF/FJC7453/SM9	1	A/C	
PROPELLER	C3F00550SKDTP	C3F00550/SM9/C-4558-3P	1	A/C	
PROPELLER	C3F00550STP	C3F00550/SM9/C-4558-3P	1	A/C	
PROPELLER	C3F00551	PHC-C3YF-2LKUF/FJC7453K/SM9	1	A/C	
PROPELLER	C3F00551KD	PHC-C3YF-2LKUF/FJC7453K/SM9	1	A/C	
PROPELLER	C3F00551SKDTP	C3F00551/SM9/C-4558-3P/DE-ICE	1	A/C	
PROPELLER	C3F00551STP	C3F00551/SM9/C-4558-3P/DE-ICE	1	A/C	
BLADE	FJC7453	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FJC7453*1	IDS ITEM [3,1,1] B-3202H-2 CWT	3	Prop	
BLADE	FJC7453K	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-3	SPINNER ASSEMBLY	1	Prop	Replaces C4558,-1
SPINNER	C-4558-3P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-7L	GOVERNOR ASSEMBLY, E-3-()	1	Prop	
GOVERNOR	E8-7L	GOVERNOR ASSEMBLY, E-8 (L)-()	1	Prop	
GOVERNOR	U3-8L	GOVERNOR ASSEMBLY, U-(3,8)-()	1	Prop	
GOVERNOR	U8-8L	GOVERNOR ASSEMBLY, U-(3,8)-()	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2292-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2292-10
DE-ICE KIT_PR	102600-1	DE-ICE KIT (ONE PROP)	1	A/C	
DE-ICE KIT_PR	102600-3	AIRFRAME DE-ICE KIT (1 PER AC)	1	A/C	
DE-ICE KIT_PR	102600-4	AIRFRAME DE-ICE KIT (1 PER AC)	1	A/C	
DE-ICE KIT_PR	7931-67-195-1	DE-ICE KIT (TWO PROPS)	1	A/C	
DE-ICE KIT_A/F	7931-67-195	AIRFRAME DE-ICE KIT	1	A/C	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-2 Hub Only
MTG BOLT/STUD	A-2429-6	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7167-12 Hub Only

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PIPER

Model: PA-34-220T (left side)

Trade Name: SENECA III

Aircraft T.C./STC: A7SO

Propeller Model: BHC-C2YF-2CKUF

Propeller T.C.: P-920

Blade Model(s): FC8459-8R
FC8459B-8R

Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius: 30

Reverse Angle: NA

Low Pitch Angle: 12.6 +-0.2

IDS No.: 1322

Rev.:

Date: 4/23/2007

Modifier:

Engine: TSIO-360-KB

Power: 220 HP @ 2800 RPM

Placard/Restr:

Notes:

Startlock Angle: 18.1 +-1.5

Feather/High Angle: 80.75 +-0.75

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00250	BHC-C2YF-2CKUF/FC8459B-8R	1	A/C	
BLADE	FC8459-8R	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
BLADE	FC8459B-8R	PCP:BLADE UNIT, ALUM 4H1895-10	2	Prop	
SPINNER	C-2285-2	SPINNER ASSEMBLY	2	Prop	
SPINNER	C-2285-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-7	GOVERNOR ASSEMBLY, E-3-()	1	A/C	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1895-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1895-10
DE-ICE KIT_PR	7931-65-115	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-34-220T (left side)
Trade Name: SENECA III
Aircraft T.C./STC: A7SO
Propeller Model: BHC-C2YF-2CKUF
Propeller T.C.: P-920

IDS No.: 846 **Rev.:** **Date:** 9/30/2004

Modifier:
Engine: TSIO-360-KB
Power: 220 HP @ 2800 RPM

Placard/Restr: Avoid continuous operation in cross and tail winds of over 10 knots between 1700 and 2100 RPM. Avoid continuous operation between 2000 and 2200 RPM with manifold pressure above 32" Hg.

Blade Model(s): FC8459-8R
FC8459B-8R*1

Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.6 +-0.2

Notes:

Startlock Angle: 18.1 +-1.5
Feather/High Angle: 80.75 +-0.75
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8459-8R	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
BLADE	FC8459B-8R*1	IDS ITEM, 4E1895-7, B-3202H-4	2	Prop	
GOVERNOR	E3-7	GOVERNOR ASSEMBLY, E-3-()			
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1895-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1895-7
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-34-220T (right side)
Trade Name: SENECA III
Aircraft T.C./STC: A7SO
Propeller Model: BHC-C2YF-2CLKUF
Propeller T.C.: P-920
Blade Model(s): FJC8459-8R
 FJC8459B-8R

Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.6 +- 0.2

IDS No.: 1323 **Rev.:** **Date:** 7/17/2007

Modifier:
Engine: LTSIO-360-KB
Power: 220 HP @ 2800 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.1 +-1.5
Feather/High Angle: 80.75 +-0.75
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00291	BHC-C2YF-2CLKUF/FJC8459-8R/SM4	1	A/C	
PROPELLER	C2F00299	BHC-C2YF-2CLKUF/FJC8459B-8R/S4	1	A/C	
BLADE	FJC8459-8R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FJC8459B-8R	PCP:BLADE UNIT, 4H1214-10	2	Prop	
SPINNER	C-2285-2L	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-2LP	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-7L	GOVERNOR ASSEMBLY, E-3-()	1	A/C	
GOVERNOR	E8-7L	GOVERNOR ASSEMBLY, E-8 (L)-()	1	A/C	
GOVERNOR	E8-8L	GOVERNOR ASSEMBLY, E-8 (L)-()	1	A/C	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1214-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1214-10
DE-ICE KIT_PR	7931-65-115	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-34-220T (right side)
Trade Name: SENECA III
Aircraft T.C./STC: A7SO
Propeller Model: BHC-C2YF-2CLKUF
Propeller T.C.: P-920

IDS No.: 847 **Rev.:** **Date:** 2/10/2004

Modifier:
Engine: LTSIO-360-KB
Power: 220 HP @ 2800 RPM
Placard/Restr: Avoid continuous operation in cross and tail winds of over 10 knots between 1700 and 2100 RPM. Avoid continuous operation between 2000 and 2200 RPM with manifold pressure above 32" Hg.

Blade Model(s): FJC8459-8R
FJC8459B-8R*2

Notes:

Prop Diameter: 76.0" TO 75.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.6 +-0.2

Startlock Angle: 18.1 +-1.5
Feather/High Angle: 80.75 +-0.75
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FJC8459-8R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FJC8459B-8R*2	IDS ITEM, 4H1214-7, B-3202H-4L	2	Prop	
GOVERNOR	E3-7L	GOVERNOR ASSEMBLY, E-3-()			
GOVERNOR	E8-7L	GOVERNOR ASSEMBLY, E-8 (L)-()			
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1214-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1214-7
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-34-220T (left side)
Trade Name: SENECA V
Aircraft T.C./STC: A7SO
Propeller Model: BHC-J2YF-2CUF
Propeller T.C.: P37EA
Blade Model(s): FC8459-8R
 FC8459B-8R*2
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: 14.4 +-0.2
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1320 **Rev.:** **Date:** 12/17/2003

Modifier:
Engine: TSIO-360-RB
Power: 220 HP @ 2600 RPM
Placard/Restr:
Notes: De-ice kit installed by Piper

Startlock Angle: 19.9 +-1.5
Feather/High Angle: 80.75 +-0.75
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J2F00055	BHC-J2YF-2CUF/FC8459-8R/SM4	1	A/C	
PROPELLER	J2F00059	BHC-J2YF-2CUF/FC8459B-8R[*2]	1	A/C	
BLADE	FC8459-8R	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
BLADE	FC8459B-8R*2	PCP: BLADE UNIT, 4H2271-10	2	Prop	
SPINNER	C-2285-7	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-7P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-9	GOVERNOR ASSEMBLY, E-3-()	1	A/C	(LEFT)
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICE KIT_PR	7931-67-928	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-34-220T (right side)
Trade Name: SENECA V
Aircraft T.C./STC: A7SO
Propeller Model: BHC-J2YF-2CLUF
Propeller T.C.: P37EA
Blade Model(s): FJC8459-8R
 FJC8459B-8R*3
Prop Diameter: 76"

IDS No.: 1321 **Rev.:** **Date:** 9/30/2004
Modifier:
Engine: LTSIO-360-RB
Power: 220 HP @ 2600 RPM
Placard/Restr:
Notes: De-ice kit installed by Piper

Prop Setup:

Ref. Radius 30
Reverse Angle: 14.4 +-0.2
Low Pitch Angle: NA

Startlock Angle: 19.9 +-1.5
Feather/High Angle: 80.75 +-0.75
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	J2F00075	BHC-J2YF-2CLUF/FJC8459-8R/SM4	1	A/C	
PROPELLER	J2F00080	BHC-J2YF-2CLUF/FJC8459B-8R[*3]	1	A/C	
BLADE	FJC8459-8R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FJC8459B-8R*3	PCP:BLADE UNIT, 4H2200-10	2	Prop	
SPINNER	C-2285-7L	IDS Item	1	Prop	
SPINNER	C-2285-7LP	IDS Item	1	Prop	
GOVERNOR	E3-9L	GOVERNOR ASSEMBLY, E-3-()	1	A/C	
GOVERNOR	E8-9L	GOVERNOR ASSEMBLY, E-8 (L)-()	1	A/C	WITH SYNCHROPHASER
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-10
DE-ICE KIT_PR	7931-67-928	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-36-285
Trade Name: BRAVE
Aircraft T.C./STC: A9SO, A10SO
Propeller Model: HC-C2YF-1BF
Propeller T.C.: P-920

IDS No.: 851 **Rev.:** **Date:** 9/21/2004
Modifier:
Engine: 6-285-B, -C, -BA, -CA
Power: 285 HP @ 2000 RPM
Placard/Restr: Avoid continuous ground operation between 1900 and 2300 engine RPM in wind above 15 MPH.

Blade Model(s): F9587A
Prop Diameter: 95" TO 93"

Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 18.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 28.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F9587A	BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-4203	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-6A	IDS Item	1	A/C	
SPIN MTG KIT	A-2476-2	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-36-285
Trade Name: BRAVE
Aircraft T.C./STC: A9SO, A10SO
Propeller Model: HC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F9684-1
Prop Diameter: 95" TO 93"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.4 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 852 **Rev.:** **Date:** 12/17/2002

Modifier:
Engine: 6-285-B, -C, -BA, -CA
Power: 285 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F9684-1	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-4203-1	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-6A	IDS Item	1	A/C	
SPIN MTG KIT	A-2476-18	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-36-285
Trade Name: BRAVE
Aircraft T.C./STC: STC-SA1747CE
Propeller Model: HC-C3YR-1()F
Propeller T.C.: P25EA
Blade Model(s): F8475R
Prop Diameter: 86"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 853 **Rev.:** **Date:** 10/2/1992

Modifier: CLINTON ANDERSON
Engine: IO-540-K1G5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-36-285, -300
Trade Name: BRAVE
Aircraft T.C./STC: STC-SA3452WE
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8475R
Prop Diameter: 86" TO 84.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

IDS No.: 857 **Rev.:** 1 **Date:** 2/11/2013
Modifier: JOHNSTON AIRCRAFT SERVICE
Engine: IO-720-A1B
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.2 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00087	HC-C3YR-1RF/F8475R/SM7	1	A/C	
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-1	IDS Item	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-36-285, -300, -375
Trade Name: BRAVE
Aircraft T.C./STC: SA00014CH
Propeller Model: HC-B3TN-3B or HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282N-4R
Prop Diameter: 98-94"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: 16.0 +-0.2

IDS No.: 2750 **Rev.:** 3 **Date:** 11/1/2013
Modifier: Souther Field Aviation Inc.
Engine: PT6(A,B)-20, -20A, -20B, -6/C20
Power: 375 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 90.0 +-0.5
Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10188S	HC-B3TN-3B/T10282N-4R/C-3065-P	1	A/C	
PROPELLER	B3N10510S	HC-B3TN-3D/T10282N-4R/C-3065-P	1	A/C	
BLADE	T10282N-4R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	A/C	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT, HEX, SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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PIPER

Model: PA-36-300
Trade Name: BRAVE
Aircraft T.C./STC: A9SO, A10SO
Propeller Model: HC-C2YK-1()F
Propeller T.C.: P-920
Blade Model(s): F8475R
Prop Diameter: 84" TO 82.3"

IDS No.: 854 **Rev.:** **Date:** 3/18/2010
Modifier:
Engine: IO-540-K1G5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00140	HC-C2YK-1BF/F8475R	1	A/C	
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F4-11A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-36-300
Trade Name: BRAVE
Aircraft T.C./STC: A9SO, A10SO
Propeller Model: HC-C3YR-1()F
Propeller T.C.: P25EA
Blade Model(s): F8468A-6
Prop Diameter: 80" TO 78"

IDS No.: 855 **Rev.:** **Date:** 5/11/2007
Modifier:
Engine: IO-540-KIG5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +-0.2

Startlock Angle: NA
Feather/High Angle: 26.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00060	HC-C3YR-1RF/F8468A-6	1	A/C	
PROPELLER	C3R00060KD	HC-C3YR-1RF/F8468A-6	1	A/C	
BLADE	F8468A-6	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	835-36	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	835-36P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-11A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-36-(285, 300, 375)*
Trade Name: BRAVE
Aircraft T.C./STC: SA4522NM
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8483
Prop Diameter: 86.0" TO 80.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 858 **Rev.:** 1 **Date:** 2/11/2013
Modifier: JOHNSTON AIRCRAFT SERVICE
Engine: IO-720-A1B, -D1C, -D1CD
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes: * PA-36-285 and -300 must be previously modified with STC SA3452WE.

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00100	HC-C3YR-1RF/F8483/SM7	1	A/C	
PROPELLER	C3R00100KD	HC-C3YR-1RF/F8483/SM7	1	A/C	
BLADE	F8483	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-36-375
Trade Name: BRAVE
Aircraft T.C./STC: A9SO, A10SO
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8475R
Prop Diameter: 86" TO 84"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.3 +-0.2

IDS No.: 856 **Rev.:** **Date:** 8/28/2006
Modifier:
Engine: IO-720-D1C, D1CD
Power: 375 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00086	HC-C3YR-1RF/F8475R	1	A/C	
PROPELLER	C3R00086KD	HC-C3YR-1RF/F8475R	1	A/C	
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-36	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	F4-23	GOVERNOR ASSEMBLY, F-4(-)	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-39 (left side)
Trade Name: TWIN COMANCHE C/R
Aircraft T.C./STC: A1EA
Propeller Model: HC-E2YL-2BSF
Propeller T.C.: P9EA
Blade Model(s): F7663-4
Prop Diameter: 72" TO 70"

IDS No.: 859 **Rev.:** **Date:** 9/20/2004
Modifier:
Engine: IO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Startlock Angle: 17.5 +-1.5
Feather/High Angle: 78.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E2L00085	HC-E2YL-2BSF/F7663-4/SM14	1	A/C	
BLADE	F7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F6-3A	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
SPIN MTG KIT	A-2476-14	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

PIPER

Model: PA-39 (right side)
Trade Name: TWIN COMANCHE C/R
Aircraft T.C./STC: A1EA
Propeller Model: HC-E2YL-2BLSF
Propeller T.C.: P9EA
Blade Model(s): FJ7663-4
Prop Diameter: 72" TO 70"

IDS No.: 860 **Rev.:** **Date:** 9/20/2004
Modifier:
Engine: LIO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Startlock Angle: 17.5 +-1.5
Feather/High Angle: 78.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E2L00059	HC-E2YL-2BLSF/FJ7663-4/SM14	1	A/C	
BLADE	FJ7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F6-3AL	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
SPIN MTG KIT	A-2476-14	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

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PIPER

Model: PA-39 (left side)
Trade Name: TWIN COMANCHE C/R
Aircraft T.C./STC: STC-SA214CH
Propeller Model: HC-E2YL-2BSF
Propeller T.C.: P9EA
Blade Model(s): F7663D-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 1213 **Rev.:** **Date:** 4/14/2004
Modifier: KNOTS 2 U INC.
Engine: IO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 17.5 +-1.5
Feather/High Angle: 78.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7663D-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	D-5749-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

PIPER

Model: PA-39 (right side)
Trade Name: TWIN COMANCHE C/R
Aircraft T.C./STC: STC-SA214CH
Propeller Model: HC-E2YL-2BLSF
Propeller T.C.: P9EA
Blade Model(s): FJ7663D-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 1212 **Rev.:** **Date:** 4/14/2004
Modifier: KNOTS 2 U INC.
Engine: LIO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 17.5 +-1.5
Feather/High Angle: 78.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E2L00060	HC-E2YL-2BLSF/FJ7663D-4/SM8	1	A/C	
BLADE	FJ7663D-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	D-5749-LP	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

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PIPER

Model: PA-40 (left side)
Trade Name: ARAPAHO
Aircraft T.C./STC: A1EA
Propeller Model: HC-E2YL-2BS(F)
Propeller T.C.: P9EA
Blade Model(s): F7663-4
F7663-4R
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 861 **Rev.:** **Date:** 6/6/2006
Modifier:
Engine: IO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 17.5 +-1.5
Feather/High Angle: 76.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F7663-4R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F6-3A	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

PIPER

Model: PA-40 (right side)
Trade Name: ARAPAHO
Aircraft T.C./STC: A1EA
Propeller Model: HC-E2YL-2BLS(F)
Propeller T.C.: P9EA
Blade Model(s): FJ7663-4
FJ7663-4R
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 862 **Rev.:** **Date:** 6/6/2006
Modifier:
Engine: LIO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 17.5 +-1.5
Feather/High Angle: 76.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PIPER

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FJ7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FJ7663-4R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F6-3AL	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT,7/16-20,HEX HEAD	4	Prop	

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PIPER

Model: PA-24-400
Trade Name: COMMANCHE
Aircraft T.C./STC: 337 FORM
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8475-5Q
Prop Diameter: 81"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 2741 **Rev.:** 1 **Date:** 2/11/2013
Modifier: MIKE SMITH
Engine: IO-720-A1B
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00093	HC-C3YR-1RF/F8475-5Q	1	A/C	
BLADE	F8475-5Q	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3570	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3570-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-1D	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-25	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-42
Trade Name: CHEYENNE III
Aircraft T.C./STC: A23SO
Propeller Model: HC-B3TN-3B, -3K
Propeller T.C.: P15EA
Blade Model(s): T10173AB-6Q
 T10173ANB-6Q
Prop Diameter: 95.5" TO 95"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -6.5 +-0.5
Low Pitch Angle: 27.0 +-0.1

IDS No.: 863 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: PT6A-41
Power: 720 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10173AB-6Q	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10173ANB-6Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-4258	BULKHEAD UNIT	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-040-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PIPER

Model: PA-42-720, -720R
Trade Name: CHEYENNE IIIA
Aircraft T.C./STC: A23SO,A32SO
Propeller Model: HC-B3TN-3B, -3K
Propeller T.C.: P15EA
Blade Model(s): T10173AB-6Q
 T10173ANB-6Q
Prop Diameter: 95.5" TO 95"

IDS No.: 864 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: PT6A-61
Power: 720 HP @ 2000 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: -6.5 +-0.5
Low Pitch Angle: 27.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 87.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10719	HC-B3TN-3K/T10173ANB-6Q/DE-ICE	2	A/C	
BLADE	T10173AB-6Q	BLADE, 4E1188-5 BOOT	3	Prop	
BLADE	T10173ANB-6Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-4258	BULKHEAD UNIT	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SP_MT_KIT_DE-ICE	B3837-0432	IDS Item	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-040-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PIPER

Model: PA-42-720R
Trade Name: CHEYENNE III
Aircraft T.C./STC: A32SO
Propeller Model: HC-B3TN-3K
Propeller T.C.: P15EA
Blade Model(s): T10173DB-6Q
 T10173DNB-6Q

IDS No.: 1052 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: PT6A-61
Power: 850 HP @ 2000 RPM
Placard/Restr:
Notes:

Prop Diameter: 95"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -6.5 +/-0.5
Low Pitch Angle: 27.0 +/-0.1

Startlock Angle: NA
Feather/High Angle: 87.5 +/-0.5
Cwt Angle: 2.0 +/-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10715	HC-B3TN-3K/T10173DNB-6Q	2	A/C	
BLADE	T10173DB-6Q	BLADE	3	Prop	
BLADE	T10173DNB-6Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-4258	BULKHEAD UNIT	1	Prop	
SP_MT_KIT_DE-ICE	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	12	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	12	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	12	Prop	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
DE-ICER	4H1188-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-5
DE-ICE KIT_PR	7931-65-040-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

PIPER

Model: PA-44-180 (left side)
Trade Name: SEMINOLE
Aircraft T.C./STC: A19SO
Propeller Model: HC-C3YR-2EUF
Propeller T.C.: P25EA
Blade Model(s): FC7663-5R
Prop Diameter: 73" TO 72"

IDS No.: 867 **Rev.:** **Date:** 7/19/2002
Modifier:
Engine: O-360-E1A6D
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Apply green dot to cylinder for B-1106 Spring Kit; C-4558-3 replaces C-4558 for new production

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.6 +/-0.1

Startlock Angle: 16.1 +/-1.5
Feather/High Angle: 82.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00196	HC-C3YR-2EUF/FC7663-5R	1	A/C	
BLADE	FC7663-5R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-3	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-2	GOVERNOR ASSEMBLY, E-3-()	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-44-180 (left side)
Trade Name: SEMINOLE
Aircraft T.C./STC: A19SO
Propeller Model: HC-C2YR-2CEUF
Propeller T.C.: P-920
Blade Model(s): FC7666A-2R
Prop Diameter: 74.0" TO 72.0"

IDS No.: 865 **Rev.:** **Date:** 6/5/2002
Modifier:
Engine: O-360-A1H6, -E1A6D
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: "K" Flange approved. Apply green dot to cylinder for B-1106 Spring Kit. Stamp "PS50077-39 on counterweight boss for FC7666A-2R

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.4 +-0.2

Startlock Angle: 17.9 +-1.5
Feather/High Angle: 80.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00100	HC-C2YR-2CEUF/FC7666A-2R/SM4	1	A/C	
BLADE	FC7666A-2R	PCP:BLADE UNIT, B-3202H-9 CWT	2	Prop	
SPINNER	C-2285-3	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-2	GOVERNOR ASSEMBLY, E-3(-)	1	Prop	
GOVERNOR	U3-15	GOVERNOR ASSEMBLY, U-3(-)	1	Prop	For -A1H6
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-9	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-44-180 (right side)
Trade Name: SEMINOLE
Aircraft T.C./STC: A19SO
Propeller Model: HC-C2YR-2CLEUF
Propeller T.C.: P-920
Blade Model(s): FJC7666A-2R
Prop Diameter: 74.0" TO 72.0"

IDS No.: 866 **Rev.:** **Date:** 6/5/2002
Modifier:
Engine: LO-360-A1H6, -E1A6D
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: "K" Flange approved. Apply green dot to cylinder for B-1106 Spring Kit. Stamp "PS50077-40 on counterweight boss for FJC7666A-2R

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.4 +-0.2

Startlock Angle: 17.9 +-1.5
Feather/High Angle: 80.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00140	HC-C2YR-2CLEUF/FJC7666A-2R/SM4	1	A/C	
BLADE	FJC7666A-2R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	C-2285-3L	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-2L	GOVERNOR ASSEMBLY, E-3(-)	1	Prop	Primary
GOVERNOR	E8-2L	GOVERNOR ASSEMBLY, E-8 (L)-(-)	1	Prop	Secondary
GOVERNOR	U3-15L	GOVERNOR ASSEMBLY, U-3(-)	1	Prop	Use with LO-360-A1H6 engine
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-9L	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-44-180 (right side)
Trade Name: SEMINOLE
Aircraft T.C./STC: A19SO
Propeller Model: HC-C3YR-2LEUF
Propeller T.C.: P25EA
Blade Model(s): FJC7663-5R
Prop Diameter: 73" TO 72"

IDS No.: 868 **Rev.:** **Date:** 7/19/2002
Modifier:
Engine: LO-360-E1A6D
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Apply green dot to cylinder for B-1106 Spring Kit; C-4558-3 replaces C-4558 for new production

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.6 +-0.1

Startlock Angle: 16.1 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00181	HC-C3YR-2LEUF/FJC7663-5R	1	A/C	
BLADE	FJC7663-5R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-4558-3	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-2L	GOVERNOR ASSEMBLY, E-3-()	1	Prop	
GOVERNOR	E8-2L	GOVERNOR ASSEMBLY, E-8 (L)-()	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-44-180T (left side)
Trade Name: TURBO SEMINOLE
Aircraft T.C./STC: A19SO
Propeller Model: HC-C2YR-2CEUF
Propeller T.C.: P-920
Blade Model(s): FC7666A-2R
 FC7666AB-2R
Prop Diameter: 74.0" TO 72.0"

IDS No.: 869 **Rev.:** **Date:** 1/27/2009
Modifier:
Engine: TO-360-E1A6D
Power: 180 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.1 +-0.2

Startlock Angle: 18.6 +-1.5
Feather/High Angle: 80.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R00101	HC-C2YR-2CEUF/FC7666A-2R/SM4	1	A/C	
PROPELLER	C2R00150	HC-C2YR-2CEUF/FC7666AB-2R/SM4	1	A/C	
BLADE	FC7666A-2R	PCP:BLADE UNIT, B-3202H-9 CWT	2	Prop	
BLADE	FC7666AB-2R	PCP:BLADE UNIT, B3202H-9 CWT	2	Prop	
SPINNER	C-2285-3	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-5	GOVERNOR ASSEMBLY, E-3-()	1	Prop	
GOVERNOR	U3-10	IDS Item	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-9	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2303-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2303-10
DE-ICE KIT_PR	7931-67-130	IDS Item	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-44-180T (right side)
Trade Name: TURBO SEMINOLE
Aircraft T.C./STC: A19SO
Propeller Model: HC-C2YR-2CLEUF
Propeller T.C.: P-920
Blade Model(s): FJC7666A-2R
 FJC7666AB-2R

Prop Diameter: 74.0" TO 72.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.1 +-0.2

IDS No.: 870 **Rev.:** **Date:** 7/17/2007
Modifier:
Engine: LTO-360-E1A6D
Power: 180 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 18.6 +-1.5
Feather/High Angle: 80.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00151	HC-C2YR-2CLEUF/FJC7666AB-2R/S4			
BLADE	FJC7666A-2R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FJC7666AB-2R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	C-2285-3L	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-5L	GOVERNOR ASSEMBLY, E-3-()	1	Prop	
GOVERNOR	E8-5L	GOVERNOR ASSEMBLY, E-8 (L)-()	1	Prop	
GOVERNOR	U3-10L	IDS Item	1	Prop	
GOVERNOR	U8-10L	IDS Item	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-9L	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2292-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2292-10
DE-ICE KIT_PR	7931-67-130	IDS Item	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-44-180T (left side)
Trade Name: TURBO SEMINOLE
Aircraft T.C./STC: A19SO
Propeller Model: HC-C3YR-2EUF
Propeller T.C.: P25EA
Blade Model(s): FC7663-5R
 FC7663B-5R
Prop Diameter: 73" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.2 +-0.1

IDS No.: 871 **Rev.:** **Date:** 7/23/2008
Modifier:
Engine: TO-360-E1A6D
Power: 180 HP @ 2575 RPM
Placard/Restr:
Notes: C-4558-3 replaces C-4558 for new production

Startlock Angle: 16.7 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00197	HC-C3YR-2EUF/FC7663-5R			
BLADE	FC7663-5R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FC7663B-5R	IDS ITEM, BLADE, 4H2303-10	3	Prop	
SPINNER	C-4558-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-4558-3P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-5	GOVERNOR ASSEMBLY, E-3-()	1	Prop	
GOVERNOR	U3-10	IDS Item	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H2303-10	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	7931-67-145	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-44-180T (right side)
Trade Name: TURBO SEMINOLE
Aircraft T.C./STC: A19SO
Propeller Model: HC-C3YR-2LEUF
Propeller T.C.: P25EA
Blade Model(s): FJC7663-5R
 FJC7663B-5R
Prop Diameter: 73" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.2 +-0.1

IDS No.: 872 **Rev.:** **Date:** 7/22/2002
Modifier:
Engine: LTO-360-E1A6D
Power: 180 HP @ 2575 RPM
Placard/Restr:
Notes: C-4558-3 replaces C-4558 for new production

Startlock Angle: 16.7 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FJC7663-5R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	FJC7663B-5R	IDS ITEM, BLADE, 4E2292-10	3	Prop	
SPINNER	C-4558-3	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-5L	GOVERNOR ASSEMBLY, E-3-()	1	Prop	
GOVERNOR	E8-5L	GOVERNOR ASSEMBLY, E-8 (L)-()	1	Prop	
GOVERNOR	U3-10L	IDS Item	1	Prop	
GOVERNOR	U8-10L	IDS Item	1	Prop	
COUNTERWEIGHT	B-3202H-5	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	7931-4E2292-10	PROP DE-ICER,THERMAL EFFICIENT	1	Blade	Blade Component
DE-ICE KIT_PR	7931-67-145	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-44-180 (left side)

Trade Name: Seminole

Aircraft T.C./STC: SA03022CH

Propeller Model: HC-C2YR-2CEUFP

Propeller T.C.: P-920

Blade Model(s): FC7497*1

Prop Diameter: 74-72.5"

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle: 12.8 +/- 0.2

IDS No.: 3115

Rev.: 1

Date: 1/11/2012

Modifier: Hartzell Propeller

Engine: O-360-A1H6, -E1A6D

Power: 180 HP @ 2700 RPM

Placard/Restr:

Notes: Apply green dot to cylinder for B-1106 Spring Kit

Startlock Angle: 18.5 +/- 1.5

Feather/High Angle: 80.0 +/- 1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00120	HC-C2YR-2CEUFP/FC7497[*1]/SM4	1	A/C	
BLADE	FC7497*1	PCP:BLADE UNIT, ALUM B-3202H-9	2	Prop	
SPINNER	C-2285-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-3P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-6974-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-6974-1P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-2	GOVERNOR ASSEMBLY, E-3-()	1	A/C	For the -E1A6D Engine
GOVERNOR	U3-15	GOVERNOR ASSEMBLY, U-3-()	1	A/C	For the -A1H6 Engine
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-9	PCP:COUNTERWEIGHT	1	Blade	

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PIPER

Model: PA-46
Trade Name: JET PROP DLX (MALIBU)
Aircraft T.C./STC: ST00541SE
Propeller Model: HC-E4N-3I
Propeller T.C.: P10NE

IDS No.: 1397 **Rev.:** 1 **Date:** 4/11/2013
Modifier: JETPROP LLC
Engine: PT6A-34
Power: 560 HP @ 2200 RPM
Placard/Restr: Stabilized ground operations is prohibited between 500 and 1200 RPM. The propeller may be operated when feathered at or below 500 RPM.

Blade Model(s): E8501-3.5
 E8501-3.5X
 E8501B-3.5
 E8501B-3.5*1

Notes: At the low pitch setting, check blade to blade angles at the 36 inch radial location. All blades must be within 0.3 degree of one another.

Prop Diameter: 82.5" TO 81.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +- 0.5
Low Pitch Angle: 19.0 +- 0.1

Startlock Angle: NA
Feather/High Angle: 84.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00087S	HC-E4N-3I/E8501B-3.5[*1]630-1P	1	A/C	
PROPELLER	E4N00087SKD	HC-E4N-3I/E8501B-3.5[*1]630-1P	1	A/C	
BLADE	E8501-3.5	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	E8501-3.5X	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	E8501B-3.5	PCP:BLADE UNIT, 4H1601-10 BOOT	4	Prop	Superseded by E8501B-3.5*1
BLADE	E8501B-3.5*1	PCP:BLADE UNIT, 102878 BOOT	4	Prop	Supersedes E8501B-3.5
SPINNER	D-630-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	102878	DE-ICE BOOT	1	Blade	Supersedes 4H1601-10
DE-ICER	4H1601-10	DE-ICE BOOT	1	Blade	Superseded by 102878
DE-ICE KIT_PR	7931-67-932-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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PIPER

Model: PA-46
Trade Name: JETPROP DLX (MALIBU)
Aircraft T.C./STC: ST00541SE
Propeller Model: HC-E4N-3M
Propeller T.C.: P10NE
Blade Model(s): E8190K
Prop Diameter: 81.75"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle: 19.7 +/-0.1

IDS No.: 1555 **Rev.:** **Date:** 8/13/2008
Modifier: JETPROP LLC
Engine: PT6A-34
Power: 560 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 82.9 +/-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00101S	HC-E4N-3M/E8190K/E-6963P	1	A/C	
BLADE	E8190K	PCP:BLADE ASSY, COMPOSITE	4	Prop	
SPINNER	E-6963-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	E-7269	PCP:CLAMP, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1745	WASHER, 3/8 "	8	Blade	
CWT_SLUG	B-3386-26H	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	B-3599	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
DE-ICER	4H3462-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3462-1
DE-ICE KIT_PR	7931-5E2690-1	DE-ICE KIT (ONE PROP)	1	A/C	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PIPER

Model: PA-46
Trade Name: JET PROP DLX (MALIBU)
Aircraft T.C./STC: STC ST00541SE
Propeller Model: HC-E4N-3N
Propeller T.C.: P10NE

IDS No.: 1888 **Rev.:** **Date:** 2/14/2008
Modifier: JET PROP LLC
Engine: PT6A-34
Power: 560 HP @ 2200 RPM
Placard/Restr: Stabilized ground operation between 400 and 1200 RPM is prohibited. The propeller may be operated at or below 400 RPM when feathered.

Blade Model(s): D8292B
D8292B*1
D8292B-2
Prop Diameter: 82.5" TO 81.5"

Notes: Optional engines and ratings: PT6A-35, 560 HP at 2190 RPM; PT6A-21, 550 HP at 2200 RPM.

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0+-0.5
Low Pitch Angle: 19.7+-0.1

Startlock Angle: NA
Feather/High Angle: 83.2+-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00520S	HC-E4N-3N/D8292B/D-630-1P	1	A/C	
PROPELLER	E4N00520SKD	HC-E4N-3N/D8292B/D-630-1P	1	A/C	
PROPELLER	E4N00540S	HC-E4N-3N/D8292B[*1]/D-630-1P	1	A/C	
PROPELLER	E4N00555S	HC-E4N-3N/D8292B-2/D-630-1P			
BLADE	D8292B	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
BLADE	D8292B*1	PCP:BLADE UNIT, ALUM [3,1,1]	4	Prop	
BLADE	D8292B-2	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
SPINNER	D-630-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-3	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	4H1601-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-10
DE-ICE KIT_PR	7931-67-932-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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PIPER

Model: PA-46-310P
Trade Name: MALIBU
Aircraft T.C./STC: A25SO
Propeller Model: BHC-C2YF-1BF
Propeller T.C.: P-920
Blade Model(s): F8052
 F8052K
Prop Diameter: 80.0" TO 78.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

IDS No.: 873 **Rev.:** **Date:** 12/8/2003
Modifier:
Engine: TSIO-520-BE
Power: 310 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00035	BHC-C2YF-1BF/F8052/SM8	1	A/C	
PROPELLER	C2F00040	BHC-C2YF-1BF/F8052K	1	A/C	
BLADE	F8052	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F8052K	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	D-4810	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4810-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E5-2	GOVERNOR ASSEMBLY, E-5-()	1	A/C	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
DE-ICER	4H2200-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-3
DE-ICE KIT_PR	7931-67-425-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-46-310P
Trade Name: MALIBU
Aircraft T.C./STC: STC SA01616CH
Propeller Model: PHC-G3YF-1E
Propeller T.C.: P55GL
Blade Model(s): 7890K
Prop Diameter: 80.0"

IDS No.: 1594 **Rev.:** **Date:** 2/14/2008
Modifier: HARTZELL PROPELLER
Engine: TSIO-520-BE
Power: 310 HP @ 2600 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.9 +0.2

Startlock Angle: NA
Feather/High Angle: 42.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F10002	PHC-G3YF-1E/7890K/SM7	1	A/C	
PROPELLER	G3F10002S	PHC-G3YF-1E/7890K/SM7/C3535-3P	1	A/C	
PROPELLER	G3F10002SKD	PHC-G3YF-1E/7890K/SM7/C3535-3P	1	A/C	
PROPELLER	G3F10002SKDTP	G3F10002/SM7/C-3535-3P/DE-ICE	1	A/C	
PROPELLER	G3F10002SKDTP*1	G3F10002/SM7/C-3535-3P/DE-ICE	1	A/C	
PROPELLER	G3F10002STP	G3F10002/SM7/C-3535-3P/DE-ICE	1	A/C	
PROPELLER	G3F10002STP*1	G3F10002/SM7/C-3535-3P/DE-ICE	1	A/C	
BLADE	7890K	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	C-3535-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-3P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E5-2	GOVERNOR ASSEMBLY, E-5-()	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	4H3997-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3997-1
DE-ICE KIT_PR	7931-5E2707-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	7931-5E2707-2	AIRFRAME DE-ICE KIT	1	A/C	
DE-ICE KIT_A/F	E-7623-1	DE-ICE ELECTRICAL INSTL - KIT	1	A/C	
DE-ICE KIT_A/F	E-7623-2	DE-ICE ELECTRICAL INSTL - KIT	1	A/C	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	4H3076-3	MOV MODULE - ASSEMBLY	1	A/C	

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PIPER

Model: PA-46-310P
Trade Name: MALIBU
Aircraft T.C./STC: STC SA01770CH
Propeller Model: PHC-G3YF-1E
Propeller T.C.: P55GL
Blade Model(s): 7890K
Prop Diameter: 80.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.8 +/-0.2

IDS No.: 1668 **Rev.:** **Date:** 5/8/2007
Modifier: MALIBU POWER AND PROPELLER
Engine: TSIO-550-C1B
Power: 350 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 41.0 MIN
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: TBD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	G3F10001	PHC-G3YF-1E/7890K/SM7	1	A/C	
PROPELLER	G3F10001S	PHC-G3YF-1E/7890K/SM7/C3535-3P	1	A/C	
BLADE	7890K	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	C-3535-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-3P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	4H3997-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3997-1
DE-ICE KIT_PR	7931-5E2705-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	
MISC ACCES	4H3076-3	MOV MODULE - ASSEMBLY	1	A/C	

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PIPER

Model: PA-46-350P
Trade Name: MALIBU MIRAGE
Aircraft T.C./STC: A25SO
Propeller Model: HC-I2YR-1BF
Propeller T.C.: P-42GL

Blade Model(s): F8074
 F8074K
Prop Diameter: 80.0" TO 79.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.6 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 874 **Rev.:** **Date:** 6/14/2007

Modifier:
Engine: TIO-540-AE2A
Power: 350 HP @ 2500 RPM
Placard/Restr: The following manifold pressure restrictions will apply: Do not exceed 36" MP below 2400 RPM and 32" MP below 2300 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 40.5 +-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I2R00020	HC-I2YR-1BF/F8074K/SM19	1	A/C	
PROPELLER	I2R00030	HC-I2YR-1BF/F8074/SM19	1	A/C	
BLADE	F8074	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F8074K	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2298-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	A-2298-3P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V5-2	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
DE-ICER	2H1291	STRAP, RESTRAINER, DE-ICE	1	Blade	Blade component(on booted bld)
DE-ICER	4H2200-3	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2200-3
DE-ICE KIT_PR	7931-67-585-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-46-350P
Trade Name: MALIBU MIRAGE
Aircraft T.C./STC: A25SO
Propeller Model: HC-I3YR-1E
Propeller T.C.: P33EA
Blade Model(s): 7890K
Prop Diameter: 80.0

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.65 +- 0.15

IDS No.: 1398 **Rev.:** **Date:** 4/22/2008
Modifier:
Engine: TIO-540-AE2A
Power: 350 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.7 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I3R00007	HC-I3YR-1E/7890K/D-6753-1P/SM7	1	A/C	
PROPELLER	I3R00007S	HC-I3YR-1E/7890K/D-6750-P/SM7	1	A/C	
BLADE	7890K	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	D-6750	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-6750-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V11-1	GOVERNOR ASSEMBLY, V-11-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	4H3997-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3997-1
DE-ICE KIT_PR	7931-5E2627-1	DE-ICE KIT	1	Prop	
DE-ICE KIT_PR	B-3599	NUT,3/8-24,HEX,SELF-LOCKING	3	Prop	
DE-ICE KIT_PR	B-3834-0663	WASHER	6	Prop	
DE-ICE KIT_PR	B-6265	BRACKET, WIRE HARNESS	3	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-46-350P, PA-46R-350T
Trade Name: MALIBU MIRAGE, MATRIX
Aircraft T.C./STC: SA02677CH-D
Propeller Model: HC-I3Y1R-1N
Propeller T.C.: P33EA
Blade Model(s): N7605+2
 N7605K+2
Prop Diameter: 80"

IDS No.: 2784 **Rev.:** 1 **Date:** 6/13/2011
Modifier: Hartzell Propeller
Engine: TIO-540-AE2A
Power: 350 HP @ 2500 RPM
Placard/Restr:
Notes: PA-46-350P aircraft serial number 4622001 to 4622200 and 4636001 to 4636131 converting from 2-blade require modifications per drawings E-7359 and 102960.

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 14.0 +/- 0.2

Startlock Angle:
Feather/High Angle: 38.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I3R30300	HC-I3Y1R-1N/N7605+2/SM7/BULK	1	A/C	
PROPELLER	I3R30300KD	HC-I3Y1R-1N/N7605+2/SM7/BULK	1	A/C	
PROPELLER	I3R30350	HC-I3Y1R-1N/N7605K+2/SM7/BULK	1	A/C	
PROPELLER	I3R30350KD	HC-I3Y1R-1N/N7605K+2/SM7/BULK	1	A/C	
BLADE	N7605+2	PCP:BLADE ASSY, COMPOSITE	3	Prop	
BLADE	N7605K+2	PCP:BLADE ASSY, COMP. [3,1,1]	3	Prop	
SPINNER	D-6750-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-6750-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-6751-1PKIT	POLISHED DOME/ MTG HRDW	1	Prop	
GOVERNOR	S-1-30	GOVERNOR ASSEMBLY, S-1-30	1	A/C	
GOVERNOR	V11-1	GOVERNOR ASSEMBLY, V-11-()	1	A/C	
GOVERNOR	V5-2	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
SP_MTG_KIT_DE-ICE	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	102972	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	102960-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	102960-2	AIRFRAME DE-ICE KIT	1	A/C	
DE-ICE KIT_A/F	E-7359-1	DE-ICE ELECTRICAL INSTALLATION	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-46-350P, PA-46R-350T
Trade Name: MALIBU MIRAGE, MATRIX
Aircraft T.C./STC: SA02677CH-D
Propeller Model: HC-I3Y1R-1N
Propeller T.C.: P33EA
Blade Model(s): N7605C+2
 N7605CK+2
Prop Diameter: 80"

IDS No.: 3131 **Rev.:** **Date:** 9/10/2012
Modifier: Hartzell Propeller
Engine: TIO-540-AE2A
Power: 350 HP @ 2500 RPM
Placard/Restr:
Notes: PA-46-350P aircraft serial number 4622001 to 4622200 and 4636001 to 4636131 converting from 2-blade require modifications per drawings E-7359 and 102960.

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 14.0 +/- 0.2

Startlock Angle:
Feather/High Angle: 38.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I3R40300	HC-I3Y1R-1N/N7605C+2/SM7/BULK	1	A/C	
PROPELLER	I3R40300KD	HC-I3Y1R-1N/N7605C+2/SM7/BULK	1	A/C	
PROPELLER	I3R40350	HC-I3Y1R-1N/N7605CK+2/SM7/BULK	1	A/C	
PROPELLER	I3R40350KD	HC-I3Y1R-1N/N7605CK+2/SM7/BULK	1	A/C	
BLADE	N7605C+2	PCP:BLADE ASSY, COMPOSITE	3	Prop	
BLADE	N7605CK+2	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	D-6750-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-6750-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-6751-1PKIT	POLISHED DOME/ MTG HRDW	1	Prop	
GOVERNOR	S-1-30	GOVERNOR ASSEMBLY, S-1-30	1	A/C	
GOVERNOR	V11-1	GOVERNOR ASSEMBLY, V-11-()	1	A/C	
GOVERNOR	V5-2	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	102972	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	102960-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	102960-2	AIRFRAME DE-ICE KIT	1	A/C	
DE-ICE KIT_A/F	E-7359-1	DE-ICE ELECTRICAL INSTALLATION	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-46-350P, PA-46-350T
Trade Name: MALIBU MIRAGE, MATRIX
Aircraft T.C./STC: SA02677CH-D
Propeller Model: HC-I3YR-1N
Propeller T.C.: P33EA
Blade Model(s): N7605C+2
 N7605CK+2
Prop Diameter: 80"

IDS No.: 3148 **Rev.:** 1 **Date:** 9/26/2012
Modifier: Hartzell Propeller Inc.
Engine: TIO-540-AE2A
Power: 350 HP @ 2500 RPM
Placard/Restr:
Notes: PA-46-350P aircraft serial number 4622001 to 4622200 and 4636001 to 4636131 converting from 2-blade require modifications per drawings E-7359 and 102960.

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 14.0 +/- 0.2

Startlock Angle:
Feather/High Angle: 38.0 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I3R50100	HC-I3YR-1N/N7605C+2/SM7	1	A/C	
PROPELLER	I3R50100KD	HC-I3YR-1N/N7605C+2/SM7	1	A/C	
PROPELLER	I3R50120	HC-I3YR-1N/N7605CK+2/SM7/BULK	1	A/C	
PROPELLER	I3R50120KD	HC-I3YR-1N/N7605CK+2/SM7/BULK	1	A/C	
PROPELLER	I3R50120S	HC-I3YR-1N/N7605CK+2/SM7	1	A/C	
BLADE	N7605C+2	PCP:BLADE ASSY, COMPOSITE	3	Prop	
BLADE	N7605CK+2	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	D-6750-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-6750-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-6751-1PKIT	POLISHED DOME/ MTG HRDW	1	Prop	
GOVERNOR	S-1-30	GOVERNOR ASSEMBLY, S-1-30	1	A/C	
GOVERNOR	V11-1	GOVERNOR ASSEMBLY, V-11-()	1	A/C	
GOVERNOR	V5-2	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	102972	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	102960-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	102960-2	AIRFRAME DE-ICE KIT	1	A/C	
DE-ICE KIT_A/F	E-7359-1	DE-ICE ELECTRICAL INSTALLATION	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-46-350P, PA-46R-350T
Trade Name: MALIBU MIRAGE, MATRIX
Aircraft T.C./STC: SA02677CH-D
Propeller Model: HC-I3YR-1N
Propeller T.C.: P33EA
Blade Model(s): N7605+2
 N7605K+2
Prop Diameter: 80"

IDS No.: 2785 **Rev.:** **Date:** 3/26/2010
Modifier: HARTZELL PROPELLER INC.
Engine: TIO-540-AE2A
Power: 350 HP @ 2500 RPM
Placard/Restr:
Notes: PA-46-350P aircraft serial number 4622001 to 4622200 and 4636001 to 4636131 converting from 2-blade require modifications per drawings E-7359 and 102960.

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 14.0 +/- 0.2

Startlock Angle:
Feather/High Angle: 38.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I3R20100	HC-I3YR-1N/N7605+2/SM7	1	A/C	
PROPELLER	I3R20100KD	HC-I3YR-1N/N7605+2/SM7	1	A/C	
PROPELLER	I3R20120	HC-I3YR-1N/N7605K+2/SM7/BULK	1	A/C	
PROPELLER	I3R20120KD	HC-I3YR-1N/N7605K+2/SM7/BULK	1	A/C	
PROPELLER	I3R20120S	HC-I3YR-1N/N7605K+2/SM7	1	A/C	
BLADE	N7605+2	PCP:BLADE ASSY, COMPOSITE	3	Prop	
BLADE	N7605K+2	PCP:BLADE ASSY, COMP. [3,1,1]	3	Prop	
SPINNER	D-6750-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-6750-1P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-6751-1PKIT	POLISHED DOME/ MTG HRDW	1	A/C	
GOVERNOR	S-1-30	GOVERNOR ASSEMBLY, S-1-30	1	A/C	
GOVERNOR	V11-1	GOVERNOR ASSEMBLY, V-11-()	1	A/C	
GOVERNOR	V5-2	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	102972	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	102960-1	DE-ICE KIT (ONE PROP)	1	Prop	
DE-ICE KIT_A/F	102960-2	AIRFRAME DE-ICE KIT	1	A/C	
DE-ICE KIT_A/F	E-7359-1	DE-ICE ELECTRICAL INSTALLATION	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-46-350P
Trade Name: MALIBU MIRAGE
Aircraft T.C./STC: SA01340CH
Propeller Model: HC-I3YR-1E
Propeller T.C.: P33EA
Blade Model(s): 7890K
Prop Diameter: 80.0

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.65 +- 0.15

IDS No.: 1682 **Rev.:** **Date:** 2/14/2008
Modifier: HARTZELL PROPELLER
Engine: TIO-540-AE2A
Power: 350 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.7 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	I3R00008S	HC-I3YR-1E/7890K/D-6750-P/SM7	1	A/C	
PROPELLER	I3R00008SKD	HC-I3YR-1E/7890K/D-6750-P/SM7	1	A/C	
PROPELLER	I3R00008SKDTP	I3R00008S/SM7/D-6750-P/DE-ICE	1	A/C	
PROPELLER	I3R00008STP	I3R00008S/SM7/D-6750-P/DE-ICE	1	A/C	
BLADE	7890K	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	D-6750	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-6750-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V11-1	GOVERNOR ASSEMBLY, V-11-()	1	A/C	
GOVERNOR	V5-2	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
DE-ICER	4H3997-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3997-1
DE-ICE KIT_PR	7931-5E2682-1	DE-ICE KIT (ONE PROP)	1	A/C	
DE-ICE KIT_PR	B-3599	NUT,3/8-24,HEX,SELF-LOCKING	3	Prop	
DE-ICE KIT_PR	B-3834-0663	WASHER	6	Prop	
DE-ICE KIT_PR	B-6265	BRACKET, WIRE HARNESS	3	Prop	
DE-ICE KIT_A/F	7931-5E2682-2	AIRFRAME DE-ICE KIT	1	A/C	
DE-ICE KIT_A/F	E-7359-1	DE-ICE ELECTRICAL INSTALLATION	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-46-350P
Trade Name: MALIBU MIRAGE
Aircraft T.C./STC: TBD
Propeller Model: HC-E3YR-1E
Propeller T.C.: P33EA
Blade Model(s): 7890K*1
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.65 +- 0.15

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2453 **Rev.:** **Date:** 9/22/2006
Modifier: Enhanced Flight Group
Engine: TIO-540-AE2A
Power: 350 HP @ 2500 RPM
Placard/Restr:
Notes: De-Ice Boot Only

Startlock Angle:
Feather/High Angle: 38.7 +-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00401	HC-E3YR-1E/7890K[*1]/SM9	1	A/C	
PROPELLER	E3R00401S	HC-E3YR-1E/7890K[*1]/SM9/C-6446	1	A/C	
BLADE	7890K*1	PCP:BLADE UNIT COMP [3,10,14	3	Prop	
SPINNER	C-6446	SPINNER ASSEMBLY	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
DE-ICER	4H3997-1	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3997-1
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-46-500TP
Trade Name: MERIDIAN
Aircraft T.C./STC: A25SO
Propeller Model: HC-E4N-3Q
Propeller T.C.: P10NE

IDS No.: 1649 **Rev.:** 1 **Date:** 3/7/2013
Modifier:
Engine: PT6A-42A
Power: 500 HP @ 2000 RPM
Placard/Restr: Ground idle engine speed must be at or above 1175 RPM

Blade Model(s): E8501-3.5
 E8501-3.5X
 E8501B-3.5
 E8501B-3.5*1
Prop Diameter: 82.5" TO 81.5"

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.5 +-0.5
Low Pitch Angle: 19.0 +- 0.1

Startlock Angle: NA
Feather/High Angle: 84.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00171	HC-E4N-3Q/E8501B-3.5[*1]/BULK	1	A/C	
PROPELLER	E4N00171KD	HC-E4N-3Q/E8501B-3.5[*1]/BULK	1	A/C	
PROPELLER	E4N00171S	HC-E4N-3Q/E8501B-3.5[*1]630-5P	1	A/C	
BLADE	E8501-3.5	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	E8501-3.5X	PCP:BLADE UNIT, ALUMINUM	4	Prop	
BLADE	E8501B-3.5	PCP:BLADE UNIT, 4H1601-10 BOOT	4	Prop	Superseded by E8501B-3.5*1
BLADE	E8501B-3.5*1	PCP:BLADE UNIT,102878 BOOT	4	Prop	Supersedes E8501B-3.5
SPINNER	D-630-5	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-5P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	102878	DE-ICE BOOT	1	Blade	Supersedes 4H1601-10
DE-ICER	4H1601-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-10, Superseded by 102878
DE-ICE KIT_PR	7931-5E2702-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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PIPER

Model: PA-46-310P
Trade Name: MAILIBU
Aircraft T.C./STC: LBA STC 0317/1076
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F7663D-2Q
Prop Diameter: 76

IDS No.: 2490 **Rev.:** 1 **Date:** 10/7/2010
Modifier: MT PROPELLER
Engine: TSIO-520-BE
Power: 310 HP @ 2600 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 33.9 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F00150	PHC-C3YF-1RF/F7663D-2Q/SM7	1	A/C	
PROPELLER	C3F00150KD	PHC-C3YF-1RF/F7663D-2Q/SM7	1	A/C	
BLADE	F7663D-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use w/E-7154-2R Hub Only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

PIPER

Model: PA-24-260
Trade Name: COMANCHE 260, 260B
Aircraft T.C./STC: STC-SA288CH
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7590
Prop Diameter: 77.0" TO 76.0"

IDS No.: 2578 **Rev.:** **Date:** 6/8/2005
Modifier: HARTZELL PROPELLER
Engine: IO-540-D4A5, -E4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes: Also requires installation of LoPresti STC ST00426AT for cowl and spinner compatibility.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.8 +-0.2

Startlock Angle: NA
Feather/High Angle: 30.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00023SKDTP*1	C3R00023/SM7/A-2295-1P	1	A/C	
PROPELLER	C3R00023STP*1	C3R00023/SM7/A-2295-1P	1	A/C	
BLADE	F7590	PCP:BLADE UNIT, ALUM [6,1,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER

Model: PA-28R-200,-201, PA-28RT-201
Trade Name: ARROW II, III, IV
Aircraft T.C./STC: STC-SA4528NM
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7282
Prop Diameter: 74.0" TO 73.0"

IDS No.: 2579 **Rev.:** **Date:** 6/8/2005
Modifier: HARTZELL PROPELLER
Engine: IO-360-C1C(6)
Power: 200 HP @ 2700 RPM
Placard/Restr: Refer to STC and 8110-3 form
Notes: Also requires installation of LoPresti STC SA01319AT for cowl and spinner compatibility.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

Startlock Angle: NA
Feather/High Angle: 30.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00022SKDTP*3	C3R00022/SM7/A-2295-4P	1	A/C	
PROPELLER	C3R00022STP*3	C3R00022/SM7/A-2295-4P	1	A/C	
BLADE	F7282	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-4P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PIPER

Model: PA-32-260
Trade Name: CHEROKEE SIX 260
Aircraft T.C./STC: STC-SA1105CH
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7693F
 F7693F*2
Prop Diameter: 78" TO 76"

IDS No.: 2580 **Rev.:** 1 **Date:** 7/18/2013
Modifier: HARTZELL PROPELLER
Engine: O-540-E4B5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes: Also requires installation of LoPresti STC SA01660AT for cowl and spinner compatibility.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.7 +-0.2

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R01301	HC-C3YR-1RF/F7693F[*2]/SM7	1	A/C	
PROPELLER	C3R01301KD	HC-C3YR-1RF/F7693F[*2]/SM7	1	A/C	
PROPELLER	C3R01301SKDTP	C3R01301/SM7/A-2295-1P	1	A/C	
PROPELLER	C3R01301STP	C3R01301/SM7/A-2295-1P	1	A/C	
BLADE	F7693F	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	Superseded by F7693F*2
BLADE	F7693F*2	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	Supersedes F7693F
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PIPER PA-60

Model: see AEROSTAR AIRCRAFT CORP.

Trade Name:

Aircraft T.C./STC:

Propeller Model:

Propeller T.C.:

Blade Model(s):

Prop Diameter:

Prop Setup:

Ref. Radius

Reverse Angle:

Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1379

Rev.:

Date: 10/2/1992

Modifier:

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle:

Non-HPI Governor:

PIRTEL (JOHNSON ROCKET)

Model: JOHNSON ROCKET 185

Trade Name:

Aircraft T.C./STC: STC-SA4-22

Propeller Model: HC-12X20-8D

Propeller T.C.:

Blade Model(s): B8428-6

Prop Diameter: 78"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 892

Rev.:

Date: 10/2/1992

Modifier: ALBERT MISENIC

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	B8428-6	IDS Item	2	Prop	
COUNTERWEIGHT	833-10	IDS Item	1	Blade	

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PITTS

Model: see AVIAT

Trade Name:
Aircraft T.C./STC:
Propeller Model:

Propeller T.C.:

Blade Model(s):

Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 893 **Rev.:** **Date:** 10/2/1992

Modifier:

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle:

Non-HPI Governor:

POLISH AVIATION (MIELEC)

Model: M-28

Trade Name: SKYTRUCK

Aircraft T.C./STC: A56CE

Propeller Model: HC-B5MP-3D

Propeller T.C.: P44GL

Blade Model(s): M10876ANS
M10876ANSK*1

Prop Diameter: 111.0" TO 110.7"

Prop Setup:

Ref. Radius 42
Reverse Angle: -14.0 +-0.5
Low Pitch Angle: 17.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1063 **Rev.:** 1 **Date:** 1/10/2011

Modifier:

Engine: PT6A-65B

Power: 1100 HP @ 1700 RPM

Placard/Restr: see 8110-3 form dated 12/12/94

Notes: Mielec production of Antonov An-28PT

Startlock Angle: NA

Feather/High Angle: 79.0 +-0.5

Cwt Angle: Positive

Non-HPI Governor: WOODWARD

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10200S	HC-B5MP-3D/M10876ANSK[*1]	2	A/C	
PROPELLER	B5P10200SKD	HC-B5MP-3D/M10876ANSK[*1]	2	A/C	
PROPELLER	B5P10201SKD	HC-B5MP-3D/M10876ANS/D-3434-8P	2	A/C	
BLADE	M10876ANS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10876ANSK*1	PCP:BLADE UNIT, ALUM,4H3035-10	5	Prop	
SPINNER	D-3434-8P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
SP_MT_KIT_DE-ICE	B-3384-8H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	10	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	10	Prop	
CWT_SLUG	B-3343	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H3035-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E3035-10
DE-ICE KIT_PR	7931-67-760-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (17")

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POLISH AVIATION (MIELEC)

Model: M-28B
Trade Name: BRYZA-1R
Aircraft T.C./STC: Unknown
Propeller Model: HC-B5MP-3D
Propeller T.C.: P44GL

Blade Model(s): M10876ANS
M10876ANSK*4
Prop Diameter: 111.0" TO 110.7"

Prop Setup:

Ref. Radius: 42
Reverse Angle: -14.0 +-0.5
Low Pitch Angle: 17.0 +-0.2

IDS No.: 1648 **Rev.:** 3 **Date:** 9/14/2012
Modifier: POLSKIE ZAKLADY LOTNICZE
Engine: PZL-10S
Power: 960 HP @ 1700 RPM
Placard/Restr: refer to 8110-3 form dated 12/12/94 for similar installation
Notes: Modified Antonov An-28; Install #8672-2 erosion tape (3M) on deicers.

Startlock Angle: NA
Feather/High Angle: 79.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: CUSTOMER SUPPLIED

Non-HPI Governor: PZL-HYDRAL R2YANH

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10201S	HC-B5MP-3D/M10876ANS/D-3434-8P	2	A/C	
PROPELLER	B5P10201SKD	HC-B5MP-3D/M10876ANS/D-3434-8P	2	A/C	
PROPELLER	B5P10202	HC-B5MP-3D/M10876ANSK[*4]	2	A/C	
PROPELLER	B5P10202KD	HC-B5MP-3D/M10876ANSK[*4]	2	A/C	
BLADE	M10876ANS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10876ANSK*4	PCP:BLADE UNIT, ALUM, 103020	5	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
SP_MT_KIT_DE-ICE	B-3384-8H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	10	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	10	Prop	
CWT_SLUG	B-3343	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	103020	DE-ICE BOOT	1	Blade	Supersedes 4H4048-10
DE-ICER	4H4048-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E4048-10
DE-ICE KIT_PR	7931-5E2691-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (17")

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POLISH AVIATION (MIELEC)

Model: M-28B
Trade Name: BRYZA-1R
Aircraft T.C./STC: Unknown
Propeller Model: HC-B5MP-3G
Propeller T.C.: P44GL

Blade Model(s): M10876ANSK*4
Prop Diameter: 111.0" TO 110.7"

IDS No.: 1904 **Rev.:** 3 **Date:** 9/14/2012
Modifier: POLSKIE ZAKLADY LOTNICZE
Engine: PZL-10S
Power: 960 HP @ 1700 RPM
Placard/Restr: refer to 8110-3 form dated 12/12/94 for similar installation

Notes: Modified Antonov An-28; Install #8672-2 erosion tape (3M) on deicers; HC-B5MP-3G model uses seals which are compatible with Castrol 599 and Exxon/BP ETO 25 oil.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -14.0 +-0.5
Low Pitch Angle: 17.0 +-0.2

Startlock Angle: NA
Feather/High Angle: 79.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: CUSTOMER SUPPLIED

Non-HPI Governor: PZL-HYDRAL R2YANH

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10401	HC-B5MP-3G/M10876ANSK[*4]	2	A/C	
PROPELLER	B5P10401KD	HC-B5MP-3G/M10876ANSK[*4]	2	A/C	
BLADE	M10876ANSK*4	PCP:BLADE UNIT, ALUM, 103020	5	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
SP_MT_KIT_DE-ICE	B-3384-8H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	10	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	10	Prop	
CWT_SLUG	B-3343	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	103020	DE-ICE BOOT	1	Blade	Supersedes 4H4048-10
DE-ICER	4H4048-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E4048-10
DE-ICE KIT_PR	7931-5E2691-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-6741-158	EROSION TAPE, 2" WIDE, 108' RL		Blade	Included in blade BOM (17")

HARTZELL

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PRECISION AERO ENG

Model: S51D
Trade Name: STEWART 51
Aircraft T.C./STC: Experimental
Propeller Model: HC-B4TN-1AX2
Propeller T.C.:
Blade Model(s): T10178N-11*1X
Prop Diameter: 91"

IDS No.: 1868 **Rev.:** 2 **Date:** 5/31/2013
Modifier:
Engine: GIVL 573
Power: 750 HP @ 2210 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.1 +-0.2

Startlock Angle: NA
Feather/High Angle: 54.2 +-1.0
Cwt Angle: 20 +-1.0

Non-HPI Items:

Non-HPI Spinner: TBD

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B4N10032X	HC-B4TN-1AX2/T10178N-11[*1]X	1	A/C	
BLADE	T10178N-11*1X	PCP:BLADE UNIT, ALUM [3,6,4]	4	Prop	
GOVERNOR	F6-72X	IDS Item	1	A/C	
GOVERNOR	F6-72ZX	IDS Item	1	A/C	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Alternate
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Primary
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

PRECISION AERO ENG

Model: S51D
Trade Name: STEWART 51
Aircraft T.C./STC: Experimental
Propeller Model: HC-B4TN-1AX2
Propeller T.C.:
Blade Model(s): T9090NX
Prop Diameter: 91"

IDS No.: 1874 **Rev.:** 2 **Date:** 5/31/2013
Modifier:
Engine: GIVL 573
Power: 750 HP @ 2210 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.1 +-0.2

Startlock Angle: NA
Feather/High Angle: 54.2 +-1.0
Cwt Angle: 20 +-1.0

Non-HPI Items:

Non-HPI Spinner: TBD

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B4N10040X	HC-B4TN-1AX2/T9090NX	1	A/C	
BLADE	T9090NX	BLADE UNIT, ALUMINUM [3,6,4]	4	Prop	
GOVERNOR	F6-72X	IDS Item	1	A/C	
GOVERNOR	F6-72ZX	IDS Item	1	A/C	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Alternate
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Primary
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PROCAER

Model: F15/B
Trade Name: PICCHIO
Aircraft T.C./STC: A11N
Propeller Model: HC-92ZK-8D
Propeller T.C.: P892
Blade Model(s): 8447A-12A
8447AN-12A
Prop Diameter: 71.6" TO 70"

Prop Setup:

Ref. Radius: 33
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 894 **Rev.:** **Date:** 9/10/2004

Modifier:
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8447A-12A	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447AN-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	4	Prop	
MTG BOLT/STUD	A-1333-2	IDS Item	2	Prop	

PROCAER

Model: F15/B
Trade Name: PICCHIO
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 895 **Rev.:** **Date:** 8/26/2006

Modifier:
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM
Notes:

Startlock Angle:
Feather/High Angle: 28.8 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00065	HC-C2YK-1BF/F7666A-4	1	A/C	
BLADE	F7666A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-20	IDS Item	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PROCAER

Model: F15/E
Trade Name: PICCHIO
Aircraft T.C./STC: A28EU
Propeller Model: HC-C2YF-1BF
Propeller T.C.:
Blade Model(s): F8475-6
Prop Diameter: 78" TO 77"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 897 Rev.: Date: 6/6/2006

Modifier:
Engine: IO-520-F
Power: 300 HP @ 2850 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.7 +-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8475-6	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

PROP JETS INC.

Model: 200A,B,C
Trade Name: ROCKWELL,MEYERS
Aircraft T.C./STC: 3A18
Propeller Model: HC-82XF-1A, HC-A2XF-1A, HC-82XF-1DB1
Propeller T.C.: P24EA
Blade Model(s): 8433-4
Prop Diameter: 80.2" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0+-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2274 Rev.: Date: 11/21/2003

Modifier:
Engine: IO-470-D
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.6 MIN
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433-4	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-3	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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PROP JETS INC.

Model: 200A,B,C
Trade Name: ROCKWELL,MEYERS
Aircraft T.C./STC: 3A18
Propeller Model: HC-82VF-1A, HC-A2VF-1A, HC-82VF-1DB1
Propeller T.C.: P24EA
Blade Model(s): V8433-4
 V8433-4R
 V8433N-4
 V8433N-4R
Prop Diameter: 80.2" TO 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0+-0.2

IDS No.: 2275 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: IO-470-D
Power: 260 HP @ 2625 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 25.6 MIN
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433-4	BLADE	2	Prop	
BLADE	V8433-4R	BLADE	2	Prop	
BLADE	V8433N-4	BLADE	2	Prop	
BLADE	V8433N-4R	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-3	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

PROP JETS INC.

Model: 200A,B,C
Trade Name: ROCKWELL,MEYERS
Aircraft T.C./STC: 3A18
Propeller Model: HC-A2MVF-1A
Propeller T.C.: P24EA
Blade Model(s): MV8433N-4
 MV8433NR-4
Prop Diameter: 80.2" TO 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0+-0.2

IDS No.: 899 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: IO-470-D
Power: 260 HP @ 2625 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 25.6 MIN
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A2F10023	HC-A2MVF-1A/MV8433N-4	1	A/C	
BLADE	MV8433N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	MV8433NR-4	IDS ITEM, BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-3	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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PROP JETS INC.

Model: 200C
Trade Name: ROCKWELL,MEYERS
Aircraft T.C./STC: 3A18
Propeller Model: HC-C2YF-1A
Propeller T.C.:
Blade Model(s): F8468-4
Prop Diameter: 80" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 900 Rev.: Date: 6/6/2006

Modifier:
Engine: IO-470-D
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.5 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

PROP JETS INC.

Model: 200
Trade Name: ROCKWELL,MEYERS
Aircraft T.C./STC: 3A18
Propeller Model: HC-82XF-1A, HC-A2XF-1A, HC-82XF-1DB1
Propeller T.C.: P24EA
Blade Model(s):
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2272 Rev.: Date: 11/21/2003

Modifier:
Engine: O-470-M
Power: 240 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-3	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT, MOUNTING, 1/2-20, 12 POINT	6	Prop	

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PROP JETS INC.

Model: 200
Trade Name: ROCKWELL,MEYERS
Aircraft T.C./STC: 3A18
Propeller Model: HC-82VF-1A, HC-A2VF-1A, HC-82VF-1DB1
Propeller T.C.: P24EA
Blade Model(s): V8433NS
V8433S
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2273 **Rev.:** **Date:** 11/21/2003

Modifier:
Engine: O-470-M
Power: 240 HP @ 2600 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433NS	BLADE	2	Prop	
BLADE	V8433S	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-3	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

PROP JETS INC.

Model: 200
Trade Name: ROCKWELL,MEYERS
Aircraft T.C./STC: 3A18
Propeller Model: HC-A2MVF-1A
Propeller T.C.: P24EA
Blade Model(s): MV8433NS
Prop Diameter: 84" TO 82.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 898 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: O-470-M
Power: 240 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433NS	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-3	IDS Item	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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PROP JETS INC.

Model: 400
Trade Name: INTERCEPTOR
Aircraft T.C./STC: 3A18
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s): T10178-15
 T10178N-15

Prop Diameter: 86.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.5 +-1.0
Low Pitch Angle: 6.5 +-0.2

IDS No.: 902 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: TPE331-1-101J
Power: 400 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.5 +-0.2
Feather/High Angle: 86.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10178-15	IDS ITEM, BLADE	3	Prop	
BLADE	T10178N-15	IDS ITEM, BLADE	3	Prop	
SPINNER	D-3434	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-25H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

PRUE

Model: PRUE II
Trade Name: MOTORGLIDER
Aircraft T.C./STC: Experimental
Propeller Model: HC-E2YL-2BSF
Propeller T.C.: P9EA
Blade Model(s): F7663-4
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +- 0.2

IDS No.: 1410 **Rev.:** **Date:** 4/14/2004
Modifier:
Engine: O-320 series
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 17.5 +- 1.5
Feather/High Angle: 78.0 +- 0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: PRUE

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E2L00080	HC-E2YL-2BSF/F7663-4/SM3	1	A/C	
BLADE	F7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	U3-15	GOVERNOR ASSEMBLY, U-3-()	1	A/C	
SPIN MTG KIT	A-2476-3	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	2	Prop	
MTG BOLT/STUD	B-6489-25	BOLT, 7/16-20, HEX HEAD	4	Prop	

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PZL 130 TC II

Model: PZL-130TC11 ORLIK
Trade Name: ORLIK
Aircraft T.C./STC: Unknown
Propeller Model: HC-D4N-2DA
Propeller T.C.: P10NE

Blade Model(s): D9512AF
Prop Diameter: 96.0" TO 95.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1744 **Rev.:** 2 **Date:** 11/23/2011
Modifier:
Engine: PT6A-25C
Power: 750 HP @ 2000 RPM
Placard/Restr: Sustained ground operation between 1300 and 1600 RPM is prohibited; Hub life limited to 5,500 hours.
Notes: Reference Manual 149 for Airworthiness Limitations.

Startlock Angle: NA
Feather/High Angle: 86.0 +-1.0
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00009S	HC-D4N-2DA/D9512AF/D-630-1P	1	A/C	
PROPELLER	D4N00600S	HC-D4N-2DA/D9512AF/D-630-9P	1	A/C	
BLADE	D9512AF	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-630-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-9P	SPINNER ASSEMBLY, "CNC"	1	Prop	PZL configuration for dynamic balance
SPIN MTG KIT	B-3384-2H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	8	Prop	
COUNTERWEIGHT	C-472-2	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-1713	SLUG, COUNTERWEIGHT	4	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PZL MIELEC

Model: PZL-106BT
Trade Name: TURBO KRUK
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282N+4
Prop Diameter: 106.5"

IDS No.: 1425 **Rev.:** 2 **Date:** 6/4/2013
Modifier:
Engine: PT6A-34AG
Power: 750 HP @ 2200 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: -7.8 +-0.5
Low Pitch Angle: 18.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10456S	HC-B3TN-3D/T10282N+4/D3434-12	1	A/C	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	D-3434-12P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PZL MIELEC

Model: PZL-130TE
Trade Name: ORLIK
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3TN-3B
Propeller T.C.: P15EA
Blade Model(s): T10173K-11R*1
 T10173NK-11R*1

Prop Diameter: 90.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 20.2 +-0.1

IDS No.: 903 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: PT6A-25A
Power: 550 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-0.5
Cwt Angle: POSITIVE

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173K-11R*1	IDS ITEM, BLADE,4E2200-10 BOOT	3	Prop	
BLADE	T10173NK-11R*1	IDS ITEM, BLADE,4E2200-10 BOOT	3	Prop	
SPINNER	C-3065	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	
DE-ICER	4H2200-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4e2200-10
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PZL MIELEC

Model: M18
Trade Name: DROMADER
Aircraft T.C./STC: STC SA00946SE
Propeller Model: HC-B4TN-5NL
Propeller T.C.: P40EA
Blade Model(s): LT10890N
Prop Diameter: 109.5

Prop Setup:

Ref. Radius: 42
Reverse Angle: -11.5 +-0.5
Low Pitch Angle: NA

IDS No.: 1969 **Rev.:** 3 **Date:** 9/8/2011
Modifier: AG AIR SYSTEMS
Engine: TPE-331-10
Power: 900 HP @ 1591 RPM
Placard/Restr:
Notes: Installation limited to aircraft S/N 1Z024-15.

Startlock Angle: -1.4 +-0.1
Feather/High Angle: 81.2 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N10982	HC-B4TN-5NL/LT10890N	1	A/C	
PROPELLER	B4N10982S	HC-B4TN-5NL/LT10890N/D-3434-7P	1	A/C	
PROPELLER	B4N10982SKD	HC-B4TN-5NL/LT10890N/D-3434-7P	1	A/C	
BLADE	LT10890N	BLADE UNIT, ALUMINUM [1,3,1]	1	Prop	
SPINNER	D-3434-7	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-7P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3663-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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PZL MIELEC

Model: M18
Trade Name: DROMADER
Aircraft T.C./STC: SA09039SC
Propeller Model: HC-B3TN-5U
Propeller T.C.: P15EA

Blade Model(s): T10290N
Prop Diameter: 102" max. refer to STC for min.

Prop Setup:

Ref. Radius 42"
Reverse Angle: -15.5 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1311 **Rev.:** 2 **Date:** 11/1/2013
Modifier: DELTA TURBINES
Engine: TPE331-10UA
Power: 940 HP @ 2000 RPM
Placard/Restr: Maximum allowable reverse blade angle is -16 degrees at 42 inch radius.

Notes:

Startlock Angle: 1.0 +-0.1
Feather/High Angle: 78.0 +-0.5
Cwt Angle: POSITIVE

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N11650S	HC-B3TN-5U/T10290N/C-3043-2	1	A/C	
PROPELLER	B3N11651S	HC-B3TN-5U/T10290N/D-3434-1P	1	A/C	
BLADE	T10290N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3043-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3043-2P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3043-3	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3043-3P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-12	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-12P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-8H	BOLT, 1/4-28, HEX HEAD	9	Prop	
SPIN MTG KIT	B-3808-4	NUT, HEX, SELF-LOCKING	9	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	9	Prop	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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PZL MIELEC

Model: M18
Trade Name: DROMEDER
Aircraft T.C./STC: STC SA9039SC
Propeller Model: HC-B5MP-5BL
Propeller T.C.: P44GL

Blade Model(s): LM11692N
Prop Diameter: 118.7" to 118.2 "

Prop Setup:

Ref. Radius 42
Reverse Angle: -5.5 +- 0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1440 **Rev.:** 1 **Date:** 1/10/2011
Modifier: DELTA TURBINES
Engine: TPE-331-11,-12
Power: 1100 HP @ 1591 RPM
Placard/Restr: Ground idle engine RPM must be at or above 65%
Notes: N/A

Startlock Angle: -1.8+- 0.1
Feather/High Angle: 84.2 +- 0.5
Cwt Angle: 6.5 +- 1.0

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10521S	HC-B5MP-5BL/LM11692N/E-6955P	1	A/C	
PROPELLER	B5P10521SKD	HC-B5MP-5BL/LM11692N/E-6955P	1	A/C	
BLADE	LM11692N	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	E-6955-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-12H	BOLT, 1/4-28, HEX HEAD	5	Prop	
SPIN MTG KIT	B-3384-16H	BOLT, 1/4-28, HEX HEAD	5	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	20	Prop	
CWT_SLUG	B-3343-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PZL MIELEC

Model: M18, M18A, M18B
Trade Name: DROMADER
Aircraft T.C./STC: STC-SA1014GL
Propeller Model: HC-B5MP-3C
Propeller T.C.: P44GL

IDS No.: 904 **Rev.:** 2 **Date:** 1/10/2011
Modifier: TURBINE CONVERSIONS, LTD
Engine: PT6A-45A, -65B, R, AG, AR
Power: 1220 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation prohibited 400-900 RPM and 1170-1400 RPM. Prop may be operated at or below 400 RPM when feathered. Prop governor must be capable of scheduling down to at least 1170 RPM. Recommendations: 1. Taxi between 900 & 1170 RPM, advance through 1170-1400 RPM range only after aircraft lined up for takeoff. 2. Feather/unfeather prop on ground only during engine start/shutdown or with aircraft headed into wind.

Blade Model(s): M10876ANS
M10876AS

Prop Diameter: 111.2"

Prop Setup:

Ref. Radius: 42
Reverse Angle: -11.0 +/-0.5
Low Pitch Angle: 16.5 +/-0.1

Notes:

Startlock Angle: NA
Feather/High Angle: 79.0 +/-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10100	HC-B5MP-3C/M10876ANS	1	A/C	
PROPELLER	B5P10100KD	HC-B5MP-3C/M10876ANS	1	A/C	
PROPELLER	B5P10105SKD	HC-B5MP-3C/M10876ANS/D-3434-8P	1	A/C	
BLADE	M10876ANS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
BLADE	M10876AS	BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-3434-8	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-8P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT, HEX, SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3343	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	
MISC ACCES	101058	SHIM, MOUNTING, PROPELLER	1	Prop	Ref SB275

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PZL MIELEC

Model: M18
Trade Name: DROMEDER
Aircraft T.C./STC: SA01361SE
Propeller Model: HC-B5MP-5BL
Propeller T.C.: P44GL

Blade Model(s): LM11692N
Prop Diameter: 118.7" to 118.2 "

Prop Setup:

Ref. Radius 42
Reverse Angle: -5.5 +- 0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1715 **Rev.:** 1 **Date:** 1/10/2011
Modifier: AG AIR SYSTEMS
Engine: TPE-331-11,-12
Power: 1100 HP @ 1591 RPM
Placard/Restr: Ground idle engine RPM must be at or above 65%

Notes:

Startlock Angle: -1.8+- 0.1
Feather/High Angle: 84.2 +- 0.5
Cwt Angle: 6.5 +- 1.0

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10522S	HC-B5MP-5BL/LM11692N/E-6955P	1	A/C	
PROPELLER	B5P10522SKD	HC-B5MP-5BL/LM11692N/E-6955P	1	A/C	
BLADE	LM11692N	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	E-6955-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-12H	BOLT, 1/4-28, HEX HEAD	5	Prop	
SPIN MTG KIT	B-3384-16H	BOLT, 1/4-28, HEX HEAD	5	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	20	Prop	
CWT_SLUG	B-3343-1	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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PZL MIELEC

Model: M20 (Piper PA-34-220T) (left side)
Trade Name: MEWA
Aircraft T.C./STC: Unknown
Propeller Model: BHC-C2YF-2CKUF
Propeller T.C.: P-920
Blade Model(s): FC8459-8R
 FC8459B-8R
Prop Diameter: 76.0" TO 75.0"

IDS No.: 1312 **Rev.:** 1 **Date:** 1/25/2011
Modifier:
Engine: TSIO-360-KB
Power: 220 HP @ 2800 RPM
Placard/Restr:
Notes: A/C Type Certificate A7SO for Piper PA-34-220T, Seneca III same as Pezetel M20 MEWA. Also known as Transport Equipment manufacturing Center WSK PZL Mielec.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.6 +-0.2

Startlock Angle: 18.1 +-1.5
Feather/High Angle: 80.75 +-0.75
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00241	BHC-C2YF-2CKUF/FC8459-8R	1	A/C	
PROPELLER	C2F00250	BHC-C2YF-2CKUF/FC8459B-8R	1	A/C	
BLADE	FC8459-8R	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
BLADE	FC8459B-8R	PCP:BLADE UNIT, ALUM 4H1895-10	2	Prop	
SPINNER	C-2285-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-2P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-7	GOVERNOR ASSEMBLY, E-3-()	1	A/C	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICE KIT_PR	7931-65-115	IDS ITEM - DE-ICE KIT	1	Prop	IDS ITEM - DE-ICE KIT
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

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PZL MIELEC

Model: M20 (Piper PA-34-220T) (right side)

Trade Name: MEWA

Aircraft T.C./STC: Unknown

Propeller Model: BHC-C2YF-2CLKUF

Propeller T.C.: P-920

Blade Model(s): FJC8459-8R

FJC8459B-8R

Prop Diameter: 76.0" TO 75.0"

IDS No.: 1313

Rev.:

Date: 1/20/2011

Modifier:

Engine: LTSIO-360-KB

Power: 220 HP @ 2800 RPM

Placard/Restr: Avoid continuous operation between 2000 and 2200 RPM with engine manifold pressure above 32" Hg. Avoid continuous ground operation in cross and tail winds over 10 knots between 1700 and 2100 RPM.

Notes: A/C Type Certificate A7SO for Piper PA-34-220T, Seneca III same as Pezetel M20 MEWA. Also known as Transport Equipment manufacturing Center WSK PZL Mielec.

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.6 +- 0.2

Startlock Angle: 18.1 +-1.5

Feather/High Angle: 80.75 +-0.75

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00291	BHC-C2YF-2CLKUF/FJC8459-8R/SM4	1	A/C	
PROPELLER	C2F00299	BHC-C2YF-2CLKUF/FJC8459B-8R/S4	1	A/C	
BLADE	FJC8459-8R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	FJC8459B-8R	PCP:BLADE UNIT, 4H1214-10	2	Prop	
SPINNER	C-2285-2L	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-2285-2LP	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E3-7L	GOVERNOR ASSEMBLY, E-3-()	1	A/C	
GOVERNOR	E8-7L	GOVERNOR ASSEMBLY, E-8 (L)-()	1	A/C	Synchrophasing
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1214-10	DE-ICE BOOT	1	Blade	
DE-ICE KIT_PR	7931-65-115	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

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PZL MIELEC

Model: M26
Trade Name: ISKIERKA
Aircraft T.C./STC: Unknown
Propeller Model: HC-C3YR-4BF
Propeller T.C.: P25EA
Blade Model(s): FC8468-10R*1
 FC8468-8R*1
Prop Diameter: 78" to 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.2 +-0.1

IDS No.: 1250 **Rev.:** **Date:** 3/23/2001

Modifier:
Engine: AEIO-540-L1B5D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00226	HC-C3YR-4BF/FC8468-8R[*1]/SM9	1	A/C	
PROPELLER	C3R00227	HC-C3YR-4BF/FC8468-10R[*1]/SM9	1	A/C	
BLADE	FC8468-10R*1	PCP:BLADE UNIT, B-3202H-6 CWT	3	Prop	
BLADE	FC8468-8R*1	PCP:BLADE UNIT, ALUM B-3202H-6	3	Prop	
SPINNER	D-5205	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5205-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-66	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
GOVERNOR	F6-66Z	IDS Item	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

PZL WARSZAWA-OKECIE

Model: PZL-104M
Trade Name: WILGA 2000
Aircraft T.C./STC: A55EU
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-6R
Prop Diameter: 80" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.9 +-0.2

IDS No.: 1314 **Rev.:** **Date:** 12/16/2002

Modifier:
Engine: IO-540-K1(B,D)5, K1J5D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00070	HC-C3YR-1RF/F8468A-6R	1	A/C	
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	835-36P	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	V5-4	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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PZL WARSZAWA-OKECIE

Model: PZL-104M
Trade Name: WILGA 2000
Aircraft T.C./STC: A55EU
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068
Prop Diameter: 82.0" Max

IDS No.: 1806 **Rev.:** **Date:** 1/28/2010
Modifier:
Engine: IO-540-K1(B,D)5, K1J5D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Optional propeller as installed per EADS
PZL Service Bulletin No. 104M03037

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.7 +/-0.2

Startlock Angle: NA
Feather/High Angle: 31.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00059	HC-C3YR-1RF/F8068/SM9	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V5-4	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

Quest Aircraft, LLC

Model: Kodiak
Trade Name:
Aircraft T.C./STC: SA02991CH
Propeller Model: HC-B3TN-3DY
Propeller T.C.: P15EA
Blade Model(s): T10282NS
Prop Diameter: 102.0" to 100.0"

IDS No.: 3060 **Rev.:** 4 **Date:** 6/4/2013
Modifier: Wipaire
Engine: PT6A-35
Power: 750 HP @ 2190 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -15.0 +/- 0.5
Low Pitch Angle: 17.0 +/- 0.1

Startlock Angle: 1.0 +/- 1.0
Feather/High Angle: 87.0 +/- 1.0
Cwt Angle: -1.5 to Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10625S	HC-B3TN-3DY/T10282NS/C-3065-1P	1	A/C	
PROPELLER	B3N10625SKD	HC-B3TN-3DY/T10282NS/C-3065-1P	1	A/C	
BLADE	T10282NS	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3065-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3065-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	6	Prop	
SPIN MTG KIT	B-3808-4	NUT, HEX, SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	
MISC ACCES	A-4731	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	
MISC ACCES	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MISC ACCES	B-3851-0432	WASHER	2	Blade	Optional
MISC ACCES	B-3851-0463	WASHER	2	Blade	Optional

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QUEST AIRCRAFT, LLC

Model: 100
Trade Name: KODIAK
Aircraft T.C./STC: A00007SE
Propeller Model: HC-E4N-3PY
Propeller T.C.: P10NE

IDS No.: 2634 **Rev.:** 4 **Date:** 1/2/2014
Modifier:
Engine: PT6A-34
Power: 750 HP @ 2200 RPM
Placard/Restr: Stabilized ground operation is prohibited between 450 and 1050 RPM. The propeller may be operated when feathered at or below 450 RPM.
Notes: De-ice boot installed per customer request.

Blade Model(s): D9511FSB
Prop Diameter: 96"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 17.5 +-0.1

Startlock Angle: 1.4 +-0.2
Feather/High Angle: 86.1 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E4N00800S	HC-E4N-3PY/D9511FSB/D-630-6P	1	A/C	
PROPELLER	E4N00802S	HC-E4N-3PY/D9511FSB/630-6P/KIT	1	A/C	
PROPELLER	E4N00803S	HC-E4N-3PY/D9511FSB/D-630-8P	1	A/C	
PROPELLER	E4N00804S	HC-E4N-3PY/D9511FSB/630-8P/KIT	1	A/C	
BLADE	D9511FSB	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-630-10	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-10P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-6	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-6P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-8	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-8P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	B-3384-2H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	C-2131-13	BOOT, ANTI-ICING	1	Blade	
DE-ICE KIT_PR	103726	ANTI-ICE KIT (ONE PROP)	1	Prop	Superseded by 105395, Reference 103721 Installation Drawing
DE-ICE KIT_PR	105395	ANTI-ICE KIT (ONE PROP)	1	Prop	Supersedes 103726 Anti-Ice Kit, Reference 105396 Installation Drawing
MTG BOLT/STUD	B-3339-1	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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QUEST AIRCRAFT, LLC

Model: 100
 Trade Name: KODIAK
 Aircraft T.C./STC: A00007SE
 Propeller Model: HC-E4N-3P
 Propeller T.C.: P10NE

IDS No.: 2607 Rev.: 4 Date: 1/2/2014
 Modifier:
 Engine: PT6A-34
 Power: 750 HP @ 2200 RPM
 Placard/Restr: Stabilized ground operation is prohibited between 450 and 1050 RPM. The propeller may be operated when feathered at or below 450 RPM.
 Notes: De-ice boot installed per customer request.

Blade Model(s): D9511FSB
 Prop Diameter: 96"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: -10.0 +/-0.5
 Low Pitch Angle: 17.5 +/-0.1

Startlock Angle: NA
 Feather/High Angle: 86.1 +/-0.5
 Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	E4N00162S	HC-E4N-3P/D9511FSB/D630-8P/KIT	1	A/C	
PROPELLER	E4N00163S	HC-E4N-3P/D9511FSB/D-630-8P	1	A/C	
PROPELLER	E4N00166S	HC-E4N-3P/D9511FSB/D630-6P/KIT	1	A/C	
PROPELLER	E4N00167S	HC-E4N-3P/D9511FSB/D-630-6P	1	A/C	
BLADE	D9511FSB	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-630-10	SPINNER ASSEMBLY, "CNC	1	Prop	
SPINNER	D-630-10P	SPINNER ASSEMBLY, "CNC	1	Prop	
SPINNER	D-630-6	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-630-6P	SPINNER ASSEMBLY, "CNC	1	Prop	
SPINNER	D-630-8	SPINNER ASSEMBLY, "CNC	1	Prop	
SPINNER	D-630-8P	SPINNER ASSEMBLY, "CNC	1	Prop	
SPIN MTG KIT	B-3384-2H	BOLT, 1/4-28, HEX HEAD	8	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
DE-ICER	C-2131-13	BOOT, ANTI-ICING	1	Blade	
DE-ICE KIT_PR	103726	ANTI-ICE KIT (ONE PROP)	1	Prop	Superseded by 105395, Reference 103721 Installation Drawing
DE-ICE KIT_PR	105395	ANTI-ICE KIT (ONE PROP)	1	Prop	Supersedes 103726 Anti-Ice Kit, Reference 105396 Installation Drawing
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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RAVIN AIRCRAFT

Model: RAVIN
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F7590*1
Prop Diameter: 77.0" TO 76.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.8 +-0.2

IDS No.: 2488 **Rev.:** **Date:** 3/31/2005

Modifier:
Engine: IO-540-D4A5, E4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00970	HC-C3YR-1RF/F7590[*1]/SM7	1	A/C	
PROPELLER	C3R00970KD	HC-C3YR-1RF/F7590[*1]/SM7	1	A/C	
BLADE	F7590*1	PCP:BLADE UNIT, ALUM [3,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

RAYTHEON

Model: J35, K35, M35, N35, P35, G33
Trade Name: BONANZA
Aircraft T.C./STC: SA02363CH
Propeller Model: PHC-L3YF-1RF
Propeller T.C.: P41EA
Blade Model(s): F8468A-6R
Prop Diameter: 80

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.1

IDS No.: 2739 **Rev.:** **Date:** 11/21/2007

Modifier: CHECK NEY ENTERPRISES
Engine: IO-470-C, -N
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	L3F00020	PHC-L3YF-1RF/F8468A-6R/SM7			
PROPELLER	L3F00020KD	PHC-L3YF-1RF/F8468A-6R/SM7			
BLADE	F8468A-6R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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RAYTHEON

Model: J35, K35, M35, N35, P35, G33
Trade Name: BONANZA
Aircraft T.C./STC: SA02363CH
Propeller Model: PHC-L3YF-1RF
Propeller T.C.: P41EA
Blade Model(s): F8068
Prop Diameter: 82"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.3 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2756 **Rev.:** **Date:** 1/7/2008
Modifier: CHUCK NEY ENTERPRISE
Engine: IO-470-N-MOD
Power: 260 HP @ 2625 RPM
Placard/Restr:
Notes: Engine is modified per STC SE02261CH

Startlock Angle: NA
Feather/High Angle: 36.0 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	L3F00030	PHC-L3YF-1RF/F8068/SM7			
PROPELLER	L3F00030KD	PHC-L3YF-1RF/F8068/SM7			
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

RAYTHEON AIRCRAFT CO.

Model: see BEECH
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1494 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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RAYTHEON AIRCRAFT CO.

Model: D18C, S
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA2204WE
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s): T10178-6
 T10178N-6
Prop Diameter: 95.5"

IDS No.: 152 **Rev.:** 2 **Date:** 6/4/2013
Modifier: CAMERON & STAHL(dba AEROSPACE PROD)
Engine: TPE331-25B
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.5 +-0.5
Low Pitch Angle: NA

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10178-6	IDS*ITEM, BLADE	3	Prop	
BLADE	T10178N-6	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3043-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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RAYTHEON AIRCRAFT CO.

Model: D18C, S
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA2204WE
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s): T10176-8
 T10176N-8
Prop Diameter: 93.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: NA

IDS No.: 154 **Rev.:** 1 **Date:** 1/7/2011
Modifier: CAMERON & STAHL(dbA AEROSPACE PROD)
Engine: TPE331-25B
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10176-8	IDS*ITEM, BLADE	3	Prop	
BLADE	T10176N-8	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3043-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

RAYTHEON AIRCRAFT CO.

Model: E18S-9700
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA2204WE
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s):
Prop Diameter: 95.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: NA

IDS No.: 157 **Rev.:** 1 **Date:** 6/4/2013
Modifier: CAMERON & STAHL(dbA AEROSPACE PROD)
Engine: TPE331-25B
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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RAYTHEON AIRCRAFT CO.

Model: E18S-9700
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA2204WE
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s): T10176-8
 T10176N-8
Prop Diameter: 93.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 156 **Rev.:** 1 **Date:** 1/7/2011
Modifier: CAMERON & STAHL(dba AEROSPACE PROD)
Engine: TPE331-25B
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10176-8	IDS*ITEM, BLADE	3	Prop	
BLADE	T10176N-8	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3043-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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RAYTHEON AIRCRAFT CO.

Model: TURBO 18
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA2204WE
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s): T10178-6
 T10178N-6
Prop Diameter: 95.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 153 **Rev.:** 2 **Date:** 6/4/2013
Modifier: CAMERON & STAHL(dba AEROSPACE PROD)
Engine: TPE331-25B
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 86.0 +-2.0
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10178-6	IDS*ITEM, BLADE	3	Prop	
BLADE	T10178N-6	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3043-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

HARTZELL

APPLICATION GUIDE

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RAYTHEON AIRCRAFT CO.

Model: TURBO 18
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA2204WE
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s): T10176-8
 T10176N-8
Prop Diameter: 93.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 151 **Rev.:** 1 **Date:** 1/7/2011
Modifier: CAMERON & STAHL(dba AEROSPACE PROD)
Engine: TPE331-25B
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10176-8	IDS*ITEM, BLADE	3	Prop	
BLADE	T10176N-8	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3043-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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RAYTHEON AIRCRAFT CO.

Model: C45G, H
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA2204WE
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s): T10178-6
 T10178N-6
Prop Diameter: 95.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 150 **Rev.:** 2 **Date:** 6/4/2013
Modifier: CAMERON & STAHL(dba AEROSPACE PROD)
Engine: TPE331-25B
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10178-6	IDS*ITEM, BLADE	3	Prop	
BLADE	T10178N-6	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3043-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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RAYTHEON AIRCRAFT CO.

Model: TC45G, H, J,
Trade Name: TWIN BEECH
Aircraft T.C./STC: STC-SA2204WE
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s): T10178-6
 T10178N-6
Prop Diameter: 95.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 155 **Rev.:** 3 **Date:** 6/4/2013
Modifier: CAMERON & STAHL(dba AEROSPACE PROD)
Engine: TPE331-25B
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes: Reference Manual 139 for Airworthiness Limitations.

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10178-6	IDS*ITEM, BLADE	3	Prop	
BLADE	T10178N-6	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3043-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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RAYTHEON AIRCRAFT CO.

Model: C45G, H
Trade Name: TWIN BEECH

Aircraft T.C./STC: STC-SA2204WE
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s): T10176-8
 T10176N-8
Prop Diameter: 93.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 149 **Rev.:** 1 **Date:** 1/7/2011
Modifier: CAMERON & STAHL(dba AEROSPACE PROD)
Engine: TPE331-25B
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10176-8	IDS*ITEM, BLADE	3	Prop	
BLADE	T10176N-8	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3043-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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RAYTHEON AIRCRAFT CO.

Model: TC45G, H, J,
Trade Name: TWIN BEECH

Aircraft T.C./STC: STC-SA2204WE
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s): T10176-8
T10176N-8
Prop Diameter: 93.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10176-8	IDS*ITEM, BLADE	3	Prop	
BLADE	T10176N-8	IDS ITEM, BLADE	3	Prop	
SPINNER	C-3043-2	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

IDS No.: 158 **Rev.:** 1 **Date:** 1/7/2011
Modifier: CAMERON & STAHL(dba AEROSPACE PROD)
Engine: TPE331-25B
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

REBEL

Model: 300
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YR-1A
Propeller T.C.: P25EA
Blade Model(s): 7690C
7690E
Prop Diameter: 78" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.7 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7690C	BLADE ASSEMBLY, COMPOSITE	3	Prop	SUPERSEDED BY 7690E
BLADE	7690E	PCP:BLADE ASSY, COMP [3,1,1]	3	Prop	Supersedes 7690C
SPINNER	C-3570-P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-6936-P	SPINNER ASSEMBLY	1	Prop	REQ'D IF USING 7690E BLADE
GOVERNOR	E2-1X	IDS Item	1	A/C	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1330 **Rev.:** **Date:** 12/20/2004
Modifier:
Engine: AEIO-540, IO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes: Governor requires A-3144-2 Governor Drive Extension and C-6059X Valve Assembly with B-1104 Gasket.

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: A769
Propeller Model: HC-12X20-2
Propeller T.C.:
Blade Model(s): L8427
Prop Diameter: 84" TO 82"

Prop Setup:

Ref. Radius 30
Reverse Angle: -14.5 +-0.5
Low Pitch Angle: 17.5 +-0.5

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	L8427	IDS ITEM, BLADE, HARTZITE	2	Prop	
COUNTERWEIGHT	C-66-1	IDS Item	1	Blade	

IDS No.: 906 Rev.: Date: 4/16/1993
Modifier:
Engine: 6A8-215-B8F
Power: 215 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle: Positive

Non-HPI Governor:

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: A769
Propeller Model: not procurable
Propeller T.C.:
Blade Model(s):
Prop Diameter: 84" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: -14.0 +-0.5
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 907 Rev.: Date: 5/19/1998
Modifier:
Engine: 6A8-215-B8F
Power: 215 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 19.5
Cwt Angle: Positive

Non-HPI Governor:

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: A769
Propeller Model: HC-12X20-3,-3A,-3C,-3E
Propeller T.C.:
Blade Model(s): L8427
Prop Diameter: 84" TO 82"

Prop Setup:

Ref. Radius 30
Reverse Angle: -14.5 +-0.5
Low Pitch Angle: 17.5 +-0.5

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 908 Rev.: Date: 4/16/1993

Modifier:
Engine: 6A8-215-B8F
Power: 215 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	L8427	IDS ITEM, BLADE, HARTZITE	2	Prop	
COUNTERWEIGHT	C-66-3	IDS Item	1	Blade	

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: A769
Propeller Model: HC-12X20-3, HC-D2X20-3
Propeller T.C.: P48GL
Blade Model(s):
Prop Diameter: 84" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: -11.5 +-0.5
Low Pitch Angle: 13.5 +- 0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2276 Rev.: Date: 11/21/2003

Modifier:
Engine: 6A8-215-B8F, -B9F
Power: 215 HP @ 2500 RPM
Placard/Restr:
Notes: Include copy of Service Bulletin HC-SB-61-241 with Propeller Logbook.

Startlock Angle: NA
Feather/High Angle: 19.5 MIN
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: A769
Propeller Model: HC-12X20-3, HC-D2X20-3
Propeller T.C.: P48GL
Blade Model(s): LV8433N
Prop Diameter: 84" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.5 +-0.5
Low Pitch Angle: 13.5 +- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	LV8433N	BLADE	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2277 Rev.: Date: 11/21/2003

Modifier:
Engine: 6A8-215-B8F, -B9F
Power: 215 HP @ 2500 RPM
Placard/Restr:
Notes: Include copy of Service Bulletin HC-SB-61-241 with Propeller Logbook.

Startlock Angle: NA
Feather/High Angle: 19.5 MIN
Cwt Angle: Positive

Non-HPI Governor:

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: A769
Propeller Model: HC-D2MV20-3
Propeller T.C.: P48GL
Blade Model(s): LMV8433N
Prop Diameter: 84" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.5 +-0.5
Low Pitch Angle: 13.5 +- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	D2210001	HC-D2MV20-3/LMV8433N	1	A/C	
BLADE	LMV8433N	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 909 Rev.: 1 Date: 1/10/2011

Modifier:
Engine: 6A8-215-B8F, -B9F
Power: 215 HP @ 2500 RPM
Placard/Restr:
Notes: Include copy of Service Bulletin HC-SB-61-241 with Propeller Logbook.

Startlock Angle: NA
Feather/High Angle: 19.5 MIN
Cwt Angle: Positive

Non-HPI Governor:

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA3-88
Propeller Model: not procurable
Propeller T.C.:
Blade Model(s):
Prop Diameter: 82.6" TO 82"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 18.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 917 **Rev.:** **Date:** 5/19/1998
Modifier: JOHN E AYER
Engine: 6A8-215-B8F
Power: 215 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle: Positive

Non-HPI Governor:

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA3-88
Propeller Model: HC-13V20-6L, HC-D3V20-6L
Propeller T.C.: P51GL
Blade Model(s): LV8433N-2
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 19.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2303 **Rev.:** **Date:** 6/22/2004
Modifier: JOHN E AYER
Engine: 6A8-215-B8F (s/charged)
Power: 280 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LV8433N-2	BLADE	3	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA3-88
Propeller Model: HC-D3MV20-6L
Propeller T.C.: P51GL
Blade Model(s): LMV8433N-2
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 19.0

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1571 **Rev.:** 1 **Date:** 1/10/2011

Modifier: JOHN E AYER
Engine: 6A8-215-B8F (s/charged)
Power: 280 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LMV8433N-2	PCP:BLADE UNIT, ALUMINUM	3	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA3-88
Propeller Model: HC-D3MV20-6L
Propeller T.C.: P51GL
Blade Model(s): LMV8433N-2
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 18.0

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 918 **Rev.:** 1 **Date:** 1/10/2011

Modifier: JOHN E AYER
Engine: 6A8-215-B8F (non-s/charged)
Power: 215 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D3210020	HC-D3MV20-6L/LMV8433N-2/NO HYD	1	A/C	
BLADE	LMV8433N-2	PCP:BLADE UNIT, ALUMINUM	3	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA3-88
Propeller Model: HC-D3V20-6L
Propeller T.C.: P51GL
Blade Model(s): LV8433N-2
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 18.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2326 **Rev.:** **Date:** 11/24/2003

Modifier: JOHN E AYER
Engine: 6A8-215-B8F (non-s/charged)
Power: 215 HP @ 2500 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LV8433N-2	BLADE	3	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA282NW
Propeller Model: HC-83V20-3L, HC-A3V20-3L
Propeller T.C.: P6EA
Blade Model(s): LV8433N
Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +- .5
Low Pitch Angle: 14.0 +0.5

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2279 **Rev.:** **Date:** 11/21/2003

Modifier: STC BEE INC.
Engine: GO-435
Power: HP @ 1925 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 29.0 +0.5
Cwt Angle: Positive

Non-HPI Governor: NONE

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LV8433N	BLADE	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA282NW
Propeller Model: HC-A3MV20-3L
Propeller T.C.: P6EA
Blade Model(s): LMV8433N
Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +- .5
Low Pitch Angle: 14.0 +-0.5

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 916 **Rev.:** 1
Modifier: STC BEE INC.
Engine: GO-435
Power: HP @ 1925 RPM
Placard/Restr:
Notes:

Date: 1/10/2011

Startlock Angle:
Feather/High Angle: 29.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: NONE

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	LMV8433N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA615NW
Propeller Model: HC-A3MV20-3L
Propeller T.C.: P6EA
Blade Model(s): LMV9333N-5
Prop Diameter: 88.6"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 17.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 910 **Rev.:** 1
Modifier: SIM-U-FLIGHT
Engine: GO-435-C2B
Power: 260 HP @ 2182 RPM
Placard/Restr:
Notes:

Date: 1/10/2011

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A3210123	HC-A3MV20-3L/LMV9333N-5(NO-VLV	1	A/C	
BLADE	LMV9333N-5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA282NW
Propeller Model: HC-83V20-3L, HC-A3V20-3L
Propeller T.C.: P6EA
Blade Model(s): LV8433N
Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +- .5
Low Pitch Angle: 14.0 +-0.5

IDS No.: 2278 **Rev.:** **Date:** 11/21/2003
Modifier: STC BEE INC.
Engine: GO-480-B, B1B, B1C, B1D, B1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 29.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: NONE

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LV8433N	BLADE	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: SA614NW
Propeller Model: HC-A2MV20-3L
Propeller T.C.: P24EA
Blade Model(s): LMV9333N-4
Prop Diameter: 89"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.5 +-0.5
Low Pitch Angle: 16.0 +-0.1

IDS No.: 1689 **Rev.:** 1 **Date:** 1/10/2011
Modifier: SIMUFLIGHT
Engine: GO-480-B1B
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 31.5 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A2210151	HC-A2MV20-3L/LMV9333N-4	1	A/C	
BLADE	LMV9333N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA282NW
Propeller Model: HC-A3MV20-3L
Propeller T.C.: P6EA
Blade Model(s): LMV8433N
Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +- .5
Low Pitch Angle: 14.0 +-0.5

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 914 **Rev.:** 1 **Date:** 1/10/2011
Modifier: STC BEE INC.
Engine: GO-480-B, B1B, B1C, B1D, B1A6
Power: 270 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 29.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor: NONE

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3210130	HC-A3MV20-3L/LMV8433N	1	A/C	
BLADE	LMV8433N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA5734NM
Propeller Model: HC-A3MV20-3L
Propeller T.C.: P6EA
Blade Model(s): LMV9333N-6Q
Prop Diameter: 87.625"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 17.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 919 **Rev.:** 1 **Date:** 1/10/2011
Modifier: DONALD KYTE
Engine: GSO-480-B1C6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle: 9.0 +-1.0

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LMV9333N-6Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: Field Approval
Propeller Model: HC-A3MVF-3L
Propeller T.C.: P6EA
Blade Model(s): LMV9333N-6Q
Prop Diameter: 87.625

Prop Setup:

Ref. Radius: 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 17.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1690 **Rev.:** 1 **Date:** 1/10/2011

Modifier: Henry Ruzakowski
Engine: GSO-480-B1C6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 30.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3F10092	HC-A3MVF-3L/LMV9333N-6Q	1	A/C	
BLADE	LMV9333N-6Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-2983	STUD, MOUNTING, 1/2-20	6	Prop	

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA282NW
Propeller Model: HC-A3V20-3L
Propeller T.C.: P6EA
Blade Model(s): LV9333N-4
Prop Diameter: 89.6" TO 89"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -15.0 +- .5
Low Pitch Angle: 14.0 +-0.5

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2325 **Rev.:** **Date:** 11/24/2003

Modifier: STC BEE INC
Engine: GO-480-C1D6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 29.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LV9333N-4	BLADE	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA282NW
Propeller Model: HC-A3VF-5AL
Propeller T.C.: P6EA
Blade Model(s): LV9333N-4
Prop Diameter: 89.6" TO 89"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +- .5
Low Pitch Angle: 14.0 +-0.5

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	LV9333N-4	BLADE	3	Prop	
SPINNER	836-25	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-26	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

IDS No.: 2324 **Rev.:** **Date:** 11/24/2003
Modifier: STC BEE INC.
Engine: GO-480-C2C6, C2D6, G2D6, G2F6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 29.0+-2.0
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA282NW
Propeller Model: HC-A3MV20-3L
Propeller T.C.: P6EA
Blade Model(s): LMV9333N-4
Prop Diameter: 89.6" TO 89"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +- .5
Low Pitch Angle: 14.0 +-0.5

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	LMV9333N-4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	

IDS No.: 915 **Rev.:** 1 **Date:** 1/10/2011
Modifier: STC BEE INC
Engine: GO-480-C1D6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 29.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA282NW
Propeller Model: HC-A3MVF-5AL
Propeller T.C.: P6EA
Blade Model(s): LMV9333N-4
Prop Diameter: 89.6" TO 89"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +- .5
Low Pitch Angle: 14.0 +-0.5

IDS No.: 912 **Rev.:** 1 **Date:** 1/10/2011
Modifier: STC BEE INC.
Engine: GO-480-C2C6, C2D6, G2D6, G2F6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 29.0+-2.0
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A3F10111	HC-A3MVF-5AL/LMV9333N-4	1	A/C	
BLADE	LMV9333N-4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-25	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-26	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA282NW
Propeller Model: HC-A3VF-3L
Propeller T.C.: P6EA
Blade Model(s):
Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 17.0 +-0.2

IDS No.: 2305 **Rev.:** **Date:** 11/21/2003
Modifier: STC BEE INC.
Engine: GO-480-F1A6
Power: 275 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle: 5.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-2983	STUD, MOUNTING, 1/2-20	6	Prop	

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA282NW
Propeller Model: HC-A3MVF-3L
Propeller T.C.: P6EA
Blade Model(s): LMV8433N
Prop Diameter: 84.6" TO 84"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 17.0 +-0.2

IDS No.: 1621 **Rev.:** 1 **Date:** 1/10/2011
Modifier: STC BEE INC.
Engine: GO-480-F1A6
Power: 275 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle: 5.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3F10100	HC-A3MVF-3L/LMV8433N	1	A/C	
BLADE	LMV8433N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-2983	STUD, MOUNTING, 1/2-20	6	Prop	

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA282NW
Propeller Model: HC-A3MVF-5AL
Propeller T.C.: P6EA
Blade Model(s): LMV9333N-6
Prop Diameter: 87.6" TO 87"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.5 +- .5
Low Pitch Angle: 14.0 +-0.5

IDS No.: 913 **Rev.:** 1 **Date:** 1/10/2011
Modifier: STC BEE INC.
Engine: GO-480-F2A, -F2A6, -F4A6
Power: 275 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: 29.0 +-2.0
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LMV9333N-6	IDS ITEM, [2,2,1]	3	Prop	
SPINNER	836-25	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-26	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA615NW
Propeller Model: HC-A3V20-3L
Propeller T.C.: P6EA
Blade Model(s): LV9333N-4
 LV9333N-5

Prop Diameter: 89.6"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 approx.
Low Pitch Angle: 17.0 +-0.1

IDS No.: 2323 **Rev.:** **Date:** 11/24/2003
Modifier: SIM-U-FLIGHT
Engine: GO, GSO, IGO, IGSO, 480 SERIES
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes: Less reversing valve components

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: NA

Non-HPI Governor: NA

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	LV9333N-4	BLADE	3	Prop	
BLADE	LV9333N-5	BLADE	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA615NW
Propeller Model: HC-A3MV20-3L
Propeller T.C.: P6EA
Blade Model(s): LMV9333N-4
 LMV9333N-5

Prop Diameter: 89.6"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 approx.
Low Pitch Angle: 17.0 +-0.1

IDS No.: 911 **Rev.:** 1 **Date:** 1/10/2011
Modifier: SIM-U-FLIGHT
Engine: GO, GSO, IGO, IGSO, 480 SERIES
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes: Less reversing valve components

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: NA

Non-HPI Governor: NA

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	A3210124	HC-A3MV20-3L/LMV9333N-4	1	A/C	
BLADE	LMV9333N-4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	LMV9333N-5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA282NW
Propeller Model: HC-83VF-3L, HC-A3VF-3L
Propeller T.C.: P6EA
Blade Model(s): LV9333N-4
Prop Diameter: 89" NO CUT-OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 17.0 +-0.1

IDS No.: 2328 **Rev.:** **Date:** 11/24/2003
Modifier: STC Bee INC.
Engine: GO-480-G2D6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle: 5.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	LV9333N-4	BLADE	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-2983	STUD, MOUNTING, 1/2-20	6	Prop	

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA3865SW
Propeller Model: HC-83VF-3L, HC-A3VF-3L
Propeller T.C.: P6EA
Blade Model(s): LV9333N-5
Prop Diameter: 89.0" TO 88.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 17.0 +-0.1

IDS No.: 2297 **Rev.:** **Date:** 11/21/2003
Modifier: A. STEVEN HENSLEY
Engine: GO-480-G2D6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle: 5.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	LV9333N-5	BLADE	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-2983	STUD, MOUNTING, 1/2-20	6	Prop	

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA282NW
Propeller Model: HC-A3MVF-3L
Propeller T.C.: P6EA
Blade Model(s): LMV9333N-4
Prop Diameter: 89" NO CUT-OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 17.0 +-0.1

IDS No.: 1712 **Rev.:** 1 **Date:** 1/10/2011
Modifier: STC Bee INC.
Engine: GO-480-G2D6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle: 5.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3F10106	HC-A3MVF-3L/LMV9333N-4	1	A/C	
BLADE	LMV9333N-4	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-2983	STUD, MOUNTING, 1/2-20	6	Prop	

REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA3865SW
Propeller Model: HC-A3MVF-3L
Propeller T.C.: P6EA
Blade Model(s): LMV9333N-5
Prop Diameter: 89.0" TO 88.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 17.0 +-0.1

IDS No.: 1400 **Rev.:** 1 **Date:** 1/10/2011
Modifier: A. STEVEN HENSLEY
Engine: GO-480-G2D6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle: 5.5 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A3F10105	HC-A3MVF-3L/LMV9333N-5	1	A/C	
BLADE	LMV9333N-5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-23	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3808-4	NUT,HEX,SELF-LOCKING	2	Blade	
MTG BOLT/STUD	A-2983	STUD, MOUNTING, 1/2-20	6	Prop	

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REPUBLIC (STOL AMPHIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA5652NM
Propeller Model: HC-E3YR-7LF
Propeller T.C.: P33EA
Blade Model(s): FLC8468-4R
Prop Diameter: 82"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -14.0 +-0.5
Low Pitch Angle: 15.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FLC8468-4R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
COUNTERWEIGHT	B-3202H-1	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 920 **Rev.:** **Date:** 4/5/2010
Modifier: T.A.C. INC.
Engine: IO-540-K1B5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: B-4270 control unit

Startlock Angle: NA
Feather/High Angle: 26.0 +-1.0
Cwt Angle:

Non-HPI Governor:

REPUBLIC (STOL AMPIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA615NW
Propeller Model: HC-A3V20-3L
Propeller T.C.: P6EA
Blade Model(s): LV9333N-4
Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -15.0 APPROX.
Low Pitch Angle: 17.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	LV9333N-4	BLADE	3	Prop	

IDS No.: 2403 **Rev.:** **Date:** 12/2/2003
Modifier: SIM-U-FLIGHT
Engine: (I)G(S)O-480 SERIES
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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REPUBLIC (STOL AMPIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA615NW
Propeller Model: HC-A3V20-3L
Propeller T.C.: P6EA
Blade Model(s): LV9333N-5
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: .15.0 APPROX.
Low Pitch Angle: 17.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LV9333N-5	BLADE	3	Prop	

IDS No.: 2404 Rev.: Date: 12/2/2003

Modifier: SIM-U-FLIGHT
Engine: (I)G(S)O-480 SERIES
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor:

REPUBLIC (STOL AMPIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: STC-SA615NW
Propeller Model: HC-A3V20-3L
Propeller T.C.: P6EA
Blade Model(s): LV9333N-4
LV9333N-5
Prop Diameter: 89.6"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner: NONE

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LV9333N-4	BLADE	3	Prop	
BLADE	LV9333N-5	BLADE	3	Prop	

IDS No.: 2405 Rev.: Date: 12/2/2003

Modifier: SIM-U-FLIGHT
Engine: IGSO-540-A1B6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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REPUBLIC (STOL AMPIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: FIELD APPROVAL
Propeller Model: HC-A2X20-5L
Propeller T.C.: P908
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: -14.0 +-0.5
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2401 Rev.: Date: 12/8/2003
Modifier:
Engine: IO-470-P
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.5 +-0.5
Cwt Angle:

Non-HPI Governor:

REPUBLIC (STOL AMPIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: FIELD APPROVAL
Propeller Model: HC-A2V20-5L
Propeller T.C.: P24EA
Blade Model(s): LV8433N
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: -14.0 +-0.5
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2402 Rev.: Date: 12/2/2003
Modifier:
Engine: IO-470-P
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.5 +-0.5
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LV8433N	BLADE	2	Prop	

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REPUBLIC (STOL AMPIBIAN)

Model: RC-3
Trade Name: SEABEE
Aircraft T.C./STC: Unknown
Propeller Model: HC-A3V20-3L
Propeller T.C.: P6EA
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.5 +-0.5
Low Pitch Angle: 14.0 +-0.5

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2406 Rev.: Date: 12/2/2003
Modifier:
Engine: GO-480-G2D6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-0.5
Cwt Angle:

Non-HPI Governor:

REVO

Model: see LAKE, COLONIAL
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 921 Rev.: Date: 10/2/1992
Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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REVO (COLONIAL)

Model: C-2
 Trade Name: COLONIAL SKIMMER
 Aircraft T.C./STC: 1A13
 Propeller Model: HC-92ZK-6DL-1
 Propeller T.C.: P-892
 Blade Model(s): L8447-12A
 L8447N-12A

Prop Diameter: 72" TO 70.5"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 11.5 +-0.2

IDS No.: 1579 Rev.: Date: 6/6/2006

Modifier:
 Engine: O-360-A1A
 Power: 180 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 23.4 +-0.5
 Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	L8447-12A	IDS Item	2	Prop	
BLADE	L8447N-12A	IDS Item	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

REVO (COLONIAL)

Model: C-2
 Trade Name: COLONIAL SKIMMER
 Aircraft T.C./STC: 1A13
 Propeller Model: HC-92WK-8L
 Propeller T.C.: P16EA
 Blade Model(s): LW8447-12A
 LW8447N-12A

Prop Diameter: 72" TO 70.5"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 11.5 +- 0.2

IDS No.: 446 Rev.: Date: 7/26/2004

Modifier:
 Engine: O-360-A1A
 Power: 180 HP @ 2700 RPM
 Placard/Restr:
 Notes: TC doesn't specify angular tolerance. Min HP angle corresponds to TC.

Startlock Angle: NA
 Feather/High Angle: 25.4 +- 2.0
 Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	92K00131	HC-92WK-8L/LW8447N-12A	1	A/C	
BLADE	LW8447-12A	BLADE UNIT, ALUMINUM	2	Prop	REPLACED BY LW8447N-12A
BLADE	LW8447N-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	

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ROCKWELL

Model: see AERO COMMANDER

Trade Name:

Aircraft T.C./STC:

Propeller Model:

Propeller T.C.:

Blade Model(s):

Prop Diameter:

Prop Setup:

Ref. Radius

Reverse Angle:

Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 922

Rev.:

Date: 10/2/1992

Modifier:

Engine:

Power: HP @ RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle:

Non-HPI Governor:

ROCKWELL

Model: OV-10 (left side)

Trade Name: BRONCO

Aircraft T.C./STC: UNKNOWN

Propeller Model: HC-B4MN-5B

Propeller T.C.: P56GL

Blade Model(s): M9990N

Prop Diameter: 100" TO 99"

Prop Setup:

Ref. Radius 42

Reverse Angle: -16.0 +-0.5

Low Pitch Angle: N/A

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2012

Rev.: 2

Date: 9/14/2011

Modifier: MARSH AVIATION

Engine: T76-G-418M

Power: 840 HP @ 2000 RPM

Placard/Restr: Stabilized operation prohibited between 68% (1360) and 82% (1640) RPM.

Notes:

Startlock Angle: -2.7+-0.2

Feather/High Angle: 80.1 +-0.5

Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N20001	HC-B4MN-5B/M9990N	1	A/C	
PROPELLER	B4N20001S	HC-B4MN-5B/M9990N/D-4846-1	1	A/C	
PROPELLER	B4N20015S	HC-B4MN-5B/M9990N/100635	1	A/C	
PROPELLER	B4N20015SKD	HC-B4MN-5B/M9990N/100635	1	A/C	
BLADE	M9990N	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	100635	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-4846-1	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-3H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	C-6081	PCP:SLUG, COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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ROCKWELL

Model: OV-10 (right side)
Trade Name: BRONCO
Aircraft T.C./STC: Unknown
Propeller Model: HC-B4MN-5BL
Propeller T.C.: P56GL

Blade Model(s): LM9990N
Prop Diameter: 100" to 99"

Prop Setup:

Ref. Radius: 42
Reverse Angle: -16 +-0.5
Low Pitch Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 2013 **Rev.:** 2 **Date:** 9/14/2011
Modifier: MARSH AVIATION
Engine: T76-G-419M
Power: 840 HP @ 2000 RPM
Placard/Restr: Stabilized operation prohibited between 68% (1360) and 82% (1640) RPM.

Notes:

Startlock Angle: -2.7 +-0.2
Feather/High Angle: 80.1 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4N20501	HC-B4MN-5BL/LM9990N	1	A/C	
PROPELLER	B4N20501S	HC-B4MN-5BL/LM9990N/D-4846-1	1	A/C	
PROPELLER	B4N20515S	HC-B4MN-5BL/LM9990N/100635	1	A/C	
PROPELLER	B4N20515SKD	HC-B4MN-5BL/LM9990N/100635	1	A/C	
BLADE	LM9990N	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	100635	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	D-4846-1	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-3H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	C-6081	PCP:SLUG, COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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S.N.A. INC.

Model: SEAWIND
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-E3YR-1RF
Propeller T.C.: P33EA
Blade Model(s): F8468A-10Q
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.3 +-0.2

IDS No.: 1527 **Rev.:** **Date:** 11/27/2007
Modifier: A.C.E.AVIATION, INC.
Engine: TIO-540-J2BD
Power: 350 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00027	HC-E3YR-1RF/F8468A-10Q/SM9			
BLADE	F8468A-10Q	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-13	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

S.N.A. INC.

Model: SEAWIND
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-E3YR-1RF
Propeller T.C.: P33EA
Blade Model(s): F8468A-10Q
F8468A-8R
Prop Diameter: 76" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.4 +-0.2

IDS No.: 1200 **Rev.:** **Date:** 10/15/2002
Modifier:
Engine: IO-540-K1G5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00011	HC-E3YR-1RF/F8468A-10Q/SM9	1	A/C	
BLADE	F8468A-10Q	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	F8468A-8R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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S.N.A. INC.

Model: SEAWIND
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-E3YR-1RF
Propeller T.C.: P33EA
Blade Model(s): F8468-10R
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.7 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1346 **Rev.:** **Date:** 4/1/1997

Modifier:
Engine: IO-540-K1G5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.5 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00013	HC-E3YR-1RF/F8468-10R/SM9	1	A/C	
BLADE	F8468-10R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

S.N.A. INC.

Model: SEAWIND
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-E3YR-1RF
Propeller T.C.: P33EA
Blade Model(s): F8468A-12Q
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1347 **Rev.:** **Date:** 4/1/1997

Modifier:
Engine: IO-540-K1G5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00015	HC-E3YR-1RF/F8468A-12Q/SM9	1	A/C	
BLADE	F8468A-12Q	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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SAAB

Model: 91D SAFIR
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-92ZK-8D
Propeller T.C.: P892
Blade Model(s): 8447A-12A
8447AN-12A
Prop Diameter: 72

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

IDS No.: 1987 **Rev.:** **Date:** 7/10/2008

Modifier:
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Swedish TC NO. 9B/59

Startlock Angle: NA
Feather/High Angle: 27.0 +-1.0
Cwt Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	92K00110	HC-92ZK-8D/8447A-12A	1	A/C	
PROPELLER	92K10110	HC-92ZK-8D/8447AN-12A	1	A/C	
BLADE	8447A-12A	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447AN-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-30P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	D1-5	IDS Item	1	A/C	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	
MTG BOLT/STUD	A-1333-6	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	

SAAB-SCANIA AB

Model: MFI-15
Trade Name: SAFARI/SUPPORTER
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YK-4BF
Propeller T.C.: P-920
Blade Model(s): FC7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

IDS No.: 923 **Rev.:** **Date:** 10/19/1990

Modifier:
Engine: IO-360-A1B6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00570	HC-C2YK-4BF/FC7666A-2	1	A/C	
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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SAUNDERS

Model: see DEHAVILLAND

Trade Name:
Aircraft T.C./STC:
Propeller Model:

Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 926 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

SCHWEIZER

Model: G-164A, G-164B, G-164C

Trade Name: Turbo Cat
Aircraft T.C./STC: SA2444SW

Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282N
T10282N+4
Prop Diameter: 106.5" to 100"

Prop Setup:

Ref. Radius 30
Reverse Angle: -8.0 +/- 0.5
Low Pitch Angle: 20.5 +/-0.5

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 3071 **Rev.:** 3 **Date:** 8/5/2013

Modifier: TURBINE CONVERSIONS
Engine: PT6A-15AG, -20A, -28, -34, -34AG, -36, -41, -41G, -135, -135AG
Power: 750 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 89.0 +/- 1.0
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10470	HC-B3TN-3D/T10282N+4	1	A/C	
PROPELLER	B3N10470S	HC-B3TN-3D/T10282N+4/C-3065-P	1	A/C	
PROPELLER	B3N10491S	HC-B3TN-3D/T10282N/C-3065-P	1	A/C	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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SCHWEIZER (GRUMMAN)

Model: G-164
 Trade Name: AG CAT
 Aircraft T.C./STC: 1A16
 Propeller Model: HC-B3Z20-1
 Propeller T.C.: P-907
 Blade Model(s): 10160-8
 10160N-8

Prop Diameter: 93" NO CUT OFF

Prop Setup:

Ref. Radius: 30
 Reverse Angle: NA
 Low Pitch Angle: 12.5 +-0.2

IDS No.: 927 Rev.: 1 Date: 1/10/2011

Modifier:
 Engine: R755-A2M1
 Power: 330 HP @ 2200 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 28.3 +-0.5
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	10160-8	IDS Item	3	Prop	
BLADE	10160N-8	IDS Item	3	Prop	
SPINNER	836-15R	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	G1	IDS Item	1	A/C	

SCHWEIZER (GRUMMAN)

Model: G-164
 Trade Name: AG CAT
 Aircraft T.C./STC: STC-SA4127WE
 Propeller Model: HC-B3TN-5C
 Propeller T.C.: P15EA
 Blade Model(s): T10282+4
 T10282N+4

Prop Diameter: 106.5" TO 102.0"

Prop Setup:

Ref. Radius: 30
 Reverse Angle: -8.0 +-0.5
 Low Pitch Angle:

IDS No.: 931 Rev.: 2 Date: 6/4/2013

Modifier: FLOYD STILWELL
 Engine: TPE331-1-101Z
 Power: 600 HP @ 2000 RPM
 Placard/Restr:
 Notes:

Startlock Angle: 2.0 +-0.2
 Feather/High Angle: 81.0 +-0.5
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	

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SCHWEIZER (GRUMMAN)

Model: G-164
Trade Name: AG CAT
Aircraft T.C./STC: STC-SA7966SW
Propeller Model: HC-B3TN-5C
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
Prop Diameter: 106.5" TO 102.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -10.0 +-0.5
Low Pitch Angle:

IDS No.: 930 **Rev.:** 2 **Date:** 6/4/2013
Modifier: S & R AIRCRAFT
Engine: TPE331-1-101Z
Power: 600 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: -4.4 +-0.1
Feather/High Angle: 78.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

SCHWEIZER (GRUMMAN)

Model: G-164
Trade Name: AG CAT
Aircraft T.C./STC: STC-SA7769SW
Propeller Model: HC-B3TN-5D, -5E
Propeller T.C.: P15EA
Blade Model(s): T10282
 T10282N
Prop Diameter: 102" TO 96.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -9.65 +-0.35
Low Pitch Angle:

IDS No.: 933 **Rev.:** **Date:** 1/9/2004
Modifier: JOE PEACOCK
Engine: TPE331-25(),-43,-47,-55,-57,-61
Power: 575 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.0 +-0.2
Feather/High Angle: 87.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T10282	BLADE	3	Prop	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0463	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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SCHWEIZER (GRUMMAN)

Model: G-164
Trade Name: AG CAT
Aircraft T.C./STC: STC-SA7987SW
Propeller Model: HC-B3TN-5E, -5M
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
Prop Diameter: 106.5" TO 101.0"

IDS No.: 934 **Rev.:** 2 **Date:** 6/4/2013
Modifier: AGRI-JET POWER
Engine: TPE331-6-252
Power: 600 HP @ 2000 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle:

Startlock Angle: 2.0 +-0.2
Feather/High Angle: 81.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3043-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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SCHWEIZER (GRUMMAN)

Model: G-164A, G-164B
Trade Name: AG CAT
Aircraft T.C./STC: STC-SA1377GL

IDS No.: 929 **Rev.:** 2 **Date:** 6/4/2013
Modifier: TURBINES INC.
Engine: PT6A-
 (6B,15AG,20,20A,20B,6/C20,21,27,28,34,34
 AG,135)

Propeller Model: HC-B3TN-3C, -3D, -3K
Propeller T.C.: P15EA
Blade Model(s): T10282+4
 T10282N+4
Prop Diameter: 106.5" TO 100.5"

Power: 550 HP @ 2000 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: -8.0 +-0.5
Low Pitch Angle: 18.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 90.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10449S	HC-B3TN-3D/T10282N+4/C3065-P	1	A/C	
PROPELLER	B3N10450	HC-B3TN-3D/T10282N+4	1	A/C	
BLADE	T10282+4	BLADE	3	Prop	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3065-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0432	WASHER	24	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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SEQUOIA AIRCRAFT

Model: FALCO F.8.L
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F7663A-4
Prop Diameter: 72.0" TO 70.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2L00050	HC-C2YL-1BF/F7663A-4/SM19	1	A/C	
BLADE	F7663A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

IDS No.: 1168 **Rev.:** **Date:** 11/6/2007

Modifier:
Engine: IO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes: Prop diameter due to vibration limit

Startlock Angle: NA
Feather/High Angle: 30.0 +-0.5
Cwt Angle:

Non-HPI Governor:

SEQUOIA AIRCRAFT

Model: FALCO F.8.L
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00046	HC-C2YK-1BF/F7666A-2/SM19	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1167 **Rev.:** **Date:** 10/12/2006

Modifier:
Engine: IO-360-B1E
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:
Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Governor:

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SHERPA AIRCRAFT MFGR CO.

Model: SHERPA
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8483
Prop Diameter: 86.0" TO 80.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1340 **Rev.:** **Date:** 8/8/1997
Modifier:
Engine: IO-720-A1A
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8483	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-4203-1	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-18	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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SHORT BROTHERS

Model: SC7 SERIES 3
Trade Name: SKYVAN
Aircraft T.C./STC: A15EU
Propeller Model: HC-B3TN-5C, -5E, -5M
Propeller T.C.: P15EA
Blade Model(s): T10282
 T10282B
 T10282N
 T10282NB

Prop Diameter: 102.0" TO 99.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -6.0 +-0.5
Low Pitch Angle: NA

IDS No.: 937 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: TPE331-2-201A
Power: 715 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.5 +-0.1
Feather/High Angle: 85.0 +-0.5
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3N10728	HC-B3TN-5E/T10282N	2	A/C	
PROPELLER	B3N10729	HC-B3TN-5E/T10282NB	2	A/C	
BLADE	T10282	BLADE	3	Prop	
BLADE	T10282B	T10282B BLADE (NO.6), 4E1188-6	3	Prop	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	T10282NB	PCP:BLADE UNIT, ALUM 4H1188-6	3	Prop	
SPINNER	D-3434-1P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
DE-ICER	4H1188-6	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-6
DE-ICE KIT_PR	7931-77-955	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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SHORT BROTHERS

Model: S312
Trade Name: TUCANO
Aircraft T.C./STC: Unknown
Propeller Model: HC-D4N-5C
Propeller T.C.: P10NE
Blade Model(s): D9327K
Prop Diameter: 94"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -2.0 +-0.25
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 942 **Rev.:** 1 **Date:** 9/9/2011

Modifier:
Engine: TPE331-12B
Power: 1100 HP @ 2000 RPM
Placard/Restr:
Notes: Refer to Manual 149 for Airworthiness Limitations.

Startlock Angle: 2.0 +-0.5
Feather/High Angle: 84.8 +-0.5
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00311	HC-D4N-5C/D9327K	1	A/C	
PROPELLER	D4N00311KD	HC-D4N-5C/D9327K	1	A/C	
PROPELLER	D4N00311S	HC-D4N-5C/D9327K/D-5319	1	A/C	
BLADE	D9327K	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-5319	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5319-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICE KIT_PR	7931-67-530-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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SHORT BROTHERS

Model: S312
Trade Name: TUCANO
Aircraft T.C./STC: Unknown
Propeller Model: HC-D4N-5E
Propeller T.C.: P10NE
Blade Model(s): D9327K
Prop Diameter: 94"

Prop Setup:

Ref. Radius 30
Reverse Angle: -2.0 +-0.25
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1445 **Rev.:** 1 **Date:** 9/9/2011

Modifier:
Engine: TPE331-12B
Power: 1100 HP @ 2000 RPM
Placard/Restr:
Notes: Refer to Manual 149 for Airworthiness Limitations.

Startlock Angle: 2.0 +-0.5
Feather/High Angle: 84.8 +-0.5
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	D4N00321	HC-D4N-5E/D9327K	1	A/C	
PROPELLER	D4N00321S	HC-D4N-5E/D9327K/D-5319-P	1	A/C	
BLADE	D9327K	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	D-5319	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-5319-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2070-7	SCREW, 1/4-28, BUTTON HEAD	8	Prop	
COUNTERWEIGHT	C-472-1	PCP:COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	1	Blade	
DE-ICER	4H2271-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2271-10
DE-ICE KIT_PR	7931-67-530-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339-1	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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SHORT BROTHERS

Model: SD3-30
Trade Name:
Aircraft T.C./STC: A41EU
Propeller Model: HC-B5MP-3A
Propeller T.C.: P44GL

IDS No.: 939 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: PT6A-45A, -45B, -45R
Power: 1173 HP @ 1700 RPM
Placard/Restr: Stabilized ground operation prohibited below 900 RPM and 1170-1400 RPM. Prop may be operated at or below 400 RPM when feathered. Recommendation: Taxi between 900 & 1170 RPM, advance through 1170-1400 RPM range only after aircraft lined up for takeoff. Selection of beta blade angle below +4° (30" station) prohibited during landing roll. Blade angles between +4° and full reverse may be used for ground maneuvering only.

Blade Model(s): M10282AB+6
M10282AB+6*1
M10282ANB+6
M10282ANB+6*1

Notes: Settings at 42" Radius: Reverse, -8.2 +-0.5; Low, 13.8 +-0.1; Feather, 81.8 +-0.5

Prop Diameter: 111.3" TO 110.7"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -1.0 +-0.5
Low Pitch Angle: 21.0 +-0.1

Startlock Angle: NA
Feather/High Angle: 89.0 +-0.5
Cwt Angle: 3.5 +-1.5

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10070	HC-B5MP-3A/M10282ANB+6	2	A/C	
BLADE	M10282AB+6	BLADE, 4E1601-7 BOOT	5	Prop	
BLADE	M10282AB+6*1	IDS*ITEM, BLADE,4E1601-10 BOOT	5	Prop	
BLADE	M10282ANB+6	PCP:BLADE UNIT, ALUM 4H1601-7	5	Prop	
BLADE	M10282ANB+6*1	IDS ITEM, BLADE,4E1601-10 BOOT	5	Prop	
SPINNER	D-3434-8	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-3434-8P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
CWT_SLUG	B-4015	PCP:SLUG, COUNTERWEIGHT	1	Blade	
DE-ICER	4H1601-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-10
DE-ICER	4H1601-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-7
DE-ICE KIT_PR	7931-77-970-1	DE-ICE KIT	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	101058	SHIM, MOUNTING, PROPELLER	1	Prop	Ref SB275

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SHORT BROTHERS

Model: SD3-60-200, SD3-SHERPA-200
Trade Name: SHERPA
Aircraft T.C./STC: A41EU
Propeller Model: HC-B5MP-3C
Propeller T.C.: P44GL

IDS No.: 940 **Rev.:** 1 **Date:** 1/10/2011
Modifier:
Engine: PT6A-65(A)R
Power: 1403 HP @ 1675 RPM
Placard/Restr: Stabilized ground operation below 900 RPM is prohibited, except when propeller is feathered operation at or below 400 RPM is permissible. Stabilized operation between 1170 & 1400 RPM is prohibited.
 Recommendation: Taxi between 900 & 1170 RPM in order to keep operation to a minimum through 1170-1400 RPM range in cross tail winds, advance through 1170 RPM only after aircraft is lined up with runway for take-off.

Blade Model(s): M10876ANSK
 M10876ANSK*2
 M10876ASK
 M10876ASK*2
Prop Diameter: 111.2" TO 110.7"

Notes:

Prop Setup:

Ref. Radius: 42
Reverse Angle: -11.0 +/-0.5
Low Pitch Angle: 16.7 +/-0.1

Startlock Angle: NA
Feather/High Angle: 79.0 +/-0.5
Cwt Angle: 2.5 +/-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10104	HC-B5MP-3C/M10876ANSK/BULK/DEI	2	A/C	
PROPELLER	B5P10104KD	HC-B5MP-3C/M10876ANSK/BULK/DEI	2	A/C	
BLADE	M10876ANSK	PCP:BLADE UNIT, ALUM, 4H2595-7	5	Prop	
BLADE	M10876ANSK*2	M10876ANS BLADE,4E2595-10 BOOT	5	Prop	
BLADE	M10876ASK	BLADE, 4E2595-7 BOOT	5	Prop	
BLADE	M10876ASK*2	IDS*ITEM, BLADE,4E2595-10 BOOT	5	Prop	
SPINNER	D-3434-8P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
SP_MT_KIT_DE-ICE	B-3384-8H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SP_MT_KIT_DE-ICE	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SP_MT_KIT_DE-ICE	B-3837-0432	WASHER, CORROSION RESISTANT	10	Prop	
SP_MT_KIT_DE-ICE	B-7077-52	BELLEVILLE SPRING WASHER	10	Prop	
CWT_SLUG	B-3343	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2595-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2595-10
DE-ICER	4H2595-7	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2595-7
DE-ICE KIT_PR	7931-67-245-1	DE-ICE KIT (ONE PROP)	1	Prop	
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	
MISC ACCES	101058	SHIM, MOUNTING, PROPELLER	1	Prop	Ref SB275

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SHORT BROTHERS

Model: SD3-60

Trade Name:

Aircraft T.C./STC: A41EU

Propeller Model: HC-A6A-3

Propeller T.C.: P14NE

Blade Model(s): A10460

A10460E

A10460EK

A10460K

Prop Diameter: 108.0" TO 107.875"

Prop Setup:

Ref. Radius: 42

Reverse Angle: -16.0 +/-0.5

Low Pitch Angle: 12.5 +/-0.2

IDS No.: 941

Rev.: 1

Date: 9/9/2011

Modifier:

Engine: PT6A-67R

Power: 1424 HP @ 1700 RPM

Placard/Restr:

Notes: A/C Model is SD3-60 variant 200.
Reference Service Bulletin SB152E for
Airworthiness Limitations.

Startlock Angle: NA

Feather/High Angle: 75.5 +/-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	A6A00015	HC-A6A-3/A10460K/D-5311-1	2	A/C	
BLADE	A10460	PCP: BLADE UNIT, COMP, A10460	6	Prop	
BLADE	A10460E	BLADE ASSEMBLY, COMPOSITE	6	Prop	
BLADE	A10460EK	COMPST BLADE, 4E2890-07 BOOT	6	Prop	
BLADE	A10460K	PCP:BLADE ASSEMBLY, COMPOSITE	6	Prop	
SPINNER	D-5311	IDS Item	1	Prop	
SPINNER	D-5311-1	SPINNER ASSEMBLY, COMPOSITE	1	Prop	
COUNTERWEIGHT	D-1209	CLAMP, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1712	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	2	Blade	
CWT_SLUG	B-1933	SLUG, COUNTERWEIGHT	2	Blade	
DE-ICER	4H2890-07	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2890-07
DE-ICE KIT_PR	7931-65-550-1	DE-ICE KIT	1	Prop	For use with D-5313 BULKHEAD
DE-ICE KIT_PR	7931-65-550-3	DE-ICE KIT	1	Prop	For use with D-5313-1 BULKHEAD
DE-ICE KIT_PR	7931-65-550-5	DE-ICE KIT	1	Prop	For use with D-5313-1 BULKHEAD

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SIAI MARCHETTI (AERMACCHI)

Model: F.260, F.260B
Trade Name:
Aircraft T.C./STC: A10EU
Propeller Model: HC-C2YK-1B, -1BF
Propeller T.C.: P-920

Blade Model(s): F8467-8R
Prop Diameter: 76" TO 75"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00090	HC-C2YK-1BF/F8467-8R	1	A/C	
BLADE	F8467-8R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 950 **Rev.:** 2 **Date:** 5/16/2011

Modifier:
Engine: O-540-E4A5
Power: 260 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2500 and 2600 RPM above 25" Hg manifold pressure.

Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +/--.5
Cwt Angle:

Non-HPI Governor:

SIAI MARCHETTI (AERMACCHI)

Model: F.260(C,D,E,F)
Trade Name:
Aircraft T.C./STC: A10EU

Propeller Model: HC-C2YK-4F
Propeller T.C.: P-920
Blade Model(s): FC8477-8R
Prop Diameter: 76" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00710	HC-C2YK-4F/FC8477-8R	1	A/C	
BLADE	FC8477-8R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-41	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-15A	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 952 **Rev.:** 1 **Date:** 5/11/2011

Modifier:
Engine: O-540-E4A5 (C,F)IO-540-D4A5 (E)AEIO-540-D4A5 (D,E)
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +/- 0.5
Cwt Angle:

Non-HPI Governor:

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SIAI MARCHETTI (AERMACCHI)

Model: F.260C, D, E, F

Trade Name:

Aircraft T.C./STC: A10EU

Propeller Model: HC-C2YK-1BF

Propeller T.C.: P-920

Blade Model(s): F8477-8R
F8477-8R*1

Prop Diameter: 76" NO CUT OFF

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 15.5 +/-0.1

IDS No.: 951

Rev.: 1

Date: 12/9/2011

Modifier:

Engine: O-540-E4A5, AEIO-540-D4A5, IO-540-D4A5, O-540-E4A5

Power: 260 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 32.0 +/-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00180	HC-C2YK-1BF/F8477-8R	1	A/C	
PROPELLER	C2K00183	HC-C2YK-1BF/F8477-8R[*1]	1	A/C	
BLADE	F8477-8R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F8477-8R*1	PCP:BLADE UNIT, ALUM [1,6,4]	2	Prop	
SPINNER	835-20	IDS Item	1	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-11Z	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
GOVERNOR	F4-4A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

SIAI MARCHETTI (AerMacchi)

Model: F.260C, D

Trade Name:

Aircraft T.C./STC: STC-SA2252CE

Propeller Model: HC-B3TF-7A

Propeller T.C.: P15EA

Blade Model(s): T10173-25R
T10173N-25R

Prop Diameter: 76.5" TO 74

Prop Setup:

Ref. Radius 30

Reverse Angle: -11.0 +/-0.5

Low Pitch Angle: 18.0 +/-0.1

IDS No.: 955

Rev.: 1

Date: 1/10/2011

Modifier: SIAI MARCHETTI

Engine: 250-B17D

Power: 317 HP @ 2030 RPM

Placard/Restr:

Notes: Min diameter is per vibration approval

Startlock Angle: NA

Feather/High Angle: 84.0 +/-1.0

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3F10070	HC-B3TF-7A/T10173N-25R	1	A/C	
BLADE	T10173-25R	BLADE	3	Prop	
BLADE	T10173N-25R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-39	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3491	SPINNER - MTG KIT	1	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-3	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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SIAI MARCHETTI (AERMACCHI)

Model: F.260C, D, E
 Trade Name:
 Aircraft T.C./STC: STC-SA302GL
 Propeller Model: HC-C2YK-4()F
 Propeller T.C.: P-920
 Blade Model(s): FC8477-8R
 Prop Diameter: 76"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 15.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC8477-8R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 954 Rev.: Date: 9/21/2004
 Modifier: GARY FRITZLER
 Engine: O-540-E4A5, (AE)IO-540-D4A5
 Power: 260 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 33.0 +-1.0
 Cwt Angle:

Non-HPI Governor:

SIAI MARCHETTI (AERMACCHI)

Model: F.260E
 Trade Name:
 Aircraft T.C./STC: A10EU
 Propeller Model: HC-C2YK-1BF
 Propeller T.C.: P-920
 Blade Model(s): F8477-8R
 Prop Diameter: 76" NO CUT OFF

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 15.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00180	HC-C2YK-1BF/F8477-8R	1	A/C	
BLADE	F8477-8R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 202 Rev.: 1 Date: 5/3/2011
 Modifier:
 Engine: IO-540-D4A5
 Power: 260 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 32.0 +-1.0
 Cwt Angle:

Non-HPI Governor:

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SIAI MARCHETTI (AerMacchi)

Model: SM-1019

Trade Name:

Aircraft T.C./STC: Unknown

Propeller Model: HC-B3TF-7A

Propeller T.C.: P15EA

Blade Model(s): T10173E-11R
T10173NE-11R

Prop Diameter: 89.6"

Prop Setup:

Ref. Radius 30

Reverse Angle: -11.0 +-0.5

Low Pitch Angle:

IDS No.: 957

Rev.: 1

Date: 1/10/2011

Modifier:

Engine: 250-B15G

Power: 317 HP @ 2060 RPM

Placard/Restr:

Notes: Modified Cessna L-19 "Bird Dog"

Startlock Angle: NA

Feather/High Angle: 85.0 +-1.0

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173E-11R	IDS*ITEM, BLADE	3	Prop	
BLADE	T10173NE-11R	IDS ITEM, BLADE	3	Prop	
SPINNER	835-39	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3491	SPINNER - MTG KIT	1	Prop	
CWT_SLUG	B-3363-3	IDS Item	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

SIAI MARCHETTI (OMA-Foligno)

Model: S.205-18F, 18R

Trade Name:

Aircraft T.C./STC: A9EU

Propeller Model: HC-C2YK-1BF

Propeller T.C.: P-920

Blade Model(s): F7666A-2

Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.0 +- 0.1

IDS No.: 943

Rev.:

Date: 8/26/2006

Modifier:

Engine: O-360-A1A

Power: 180 HP @ 2700 RPM

Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: NA

Feather/High Angle: 29.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00025	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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SIAI MARCHETTI (OMA-Foligno)

Model: S.205-20F, 20R

Trade Name:

Aircraft T.C./STC: A9EU

Propeller Model: HC-C2YK-1BF

Propeller T.C.: P-920

Blade Model(s): F7666A-2

Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 14.0 +-0.1

IDS No.: 944

Rev.:

Date: 7/13/2004

Modifier:

Engine: IO-360-A1A

Power: 200 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 29.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00045	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F2-2A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

SIAI MARCHETTI (OMA-FOLIGNO)

Model: S.208, A

Trade Name:

Aircraft T.C./STC: A9EU

Propeller Model: HC-C2YK-1B

Propeller T.C.: P-920

Blade Model(s): F8467-8R

Prop Diameter: 76" TO 75"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 15.5 +-0.2

IDS No.: 947

Rev.:

Date: 6/6/2006

Modifier:

Engine: IO-540-E4A5

Power: 260 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 32.0 +-0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8467-8R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-20	IDS Item	1	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-4A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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SIAMARCHETTI (OMA-FOLIGNO)

Model: S.208, A
Trade Name:
Aircraft T.C./STC: A9EU
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-8R
Prop Diameter: 76" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +0.2

IDS No.: 946 **Rev.:** **Date:** 6/6/2006

Modifier:
Engine: IO-540-E4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8477-8R	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-20	IDS Item	1	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-4A	GOVERNOR ASSEMBLY, F-4(-)	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

SIAMARCHETTI (OMA-FOLIGNO)

Model: S.210
Trade Name:
Aircraft T.C./STC: A25EU
Propeller Model: HC-C2YK-2B (per T.C.), -2CF (Hz)
Propeller T.C.: P-920
Blade Model(s): FC8468-10R
Prop Diameter: 74" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +0.2

IDS No.: 949 **Rev.:** **Date:** 7/29/2004

Modifier:
Engine: TIO-360-A1B
Power: 200 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: 21.5 +-1.5
Feather/High Angle: 80.5 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8468-10R	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-26	IDS Item	1	Prop	F6-3A (T.C.wrong)
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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SIAI MARCHETTI (VulcanAir)

Model: SF600 CANGURO

Trade Name:

Aircraft T.C./STC: A61EU

Propeller Model: HC-B3TF-7A

Propeller T.C.: P15EA

Blade Model(s): T10173-11R
T10173B-11R
T10173K-11R
T10173N-11R
T10173NB-11R
T10173NK-11R

Prop Diameter: 90 3/8 minimum

Prop Setup:

Ref. Radius 30

Reverse Angle: -11.0 +/-0.5

Low Pitch Angle: 9.5 +/-0.5

IDS No.: 956

Rev.: 1

Date: 1/10/2011

Modifier:

Engine: 250-B17C

Power: 420 HP @ 2030 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 86.0 +/-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173-11R	BLADE	3	Prop	
BLADE	T10173B-11R	BLADE, 4E1188-10 BOOT	3	Prop	
BLADE	T10173K-11R	BLADE, 4E2200-10 BOOT	3	Prop	
BLADE	T10173N-11R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
BLADE	T10173NB-11R	IDS ITEM, BLADE,4E2824-10 BOOT	3	Prop	
BLADE	T10173NK-11R	IDS ITEM, BLADE,4E2428-10 BOOT	3	Prop	
SPINNER	835-39	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3491	SPINNER - MTG KIT	1	Prop	
CWT_SLUG	B-3363-3	IDS Item	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H2824-10	DE-ICE BOOT	1	Blade	Supersedes 7931-4E2824-10
DE-ICE KIT_PR	7931-67-475-1	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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SIERRA HOTEL AERO

Model: Navion A,B,D-H
Trade Name: Navion
Aircraft T.C./STC: Form 337
Propeller Model: PHC-C3YF-1RF
Propeller T.C.: P25EA
Blade Model(s): F8068
Prop Diameter: 82" to 80" inches

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 12.5 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3F01907	PHC-C3YF-1RF/F8068/SM7	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-2295-1P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-2R hub only
MTG BOLT/STUD	A-2429-7	STUD, MOUNTING, 1/2-20	6	Prop	Use with E-7154-12R & E-7154-42R hubs only

IDS No.: 3166 **Rev.:** **Date:** 6/4/2012

Modifier:
Engine: IO-550-B
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 33.0 +/- 1.0
Cwt Angle:

Non-HPI Governor:

SIMMERING GRAZ PAUKER A.G.

Model: SGP222-A
Trade Name:
Aircraft T.C./STC: A2EU
Propeller Model: HC-C2YK-2RB
Propeller T.C.: P-920
Blade Model(s): F7666A-2
Prop Diameter: 74" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-21P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	B4-1	IDS Item	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 959 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: IO-360-A1A
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 19.5 +/-1.5
Feather/High Angle: 80.0 +/-0.5
Cwt Angle:

Non-HPI Governor:

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SIMMERING GRAZ PAUKER A.G.

Model: SGP222
Trade Name:
Aircraft T.C./STC: A2EU
Propeller Model: HC-92ZK-2B
Propeller T.C.: P892
Blade Model(s): 8447-12A
8447N-12A
Prop Diameter: 71.6" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 958 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: IO-360-B1A
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8447-12A	BLADE UNIT, ALUMINUM	2	Prop	
BLADE	8447N-12A	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	835-5 in TC
GOVERNOR	B4-1	IDS Item	1	A/C	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	4	Prop	
MTG BOLT/STUD	A-1333	BOLT,MOUNTING,1/2-20,HEX HEAD	2	Prop	

SKYDANCER AVIATION

Model: SD-260
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-4CF
Propeller T.C.: P-920
Blade Model(s): FC8477A-4*1
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.1

IDS No.: 1341 **Rev.:** **Date:** 5/17/1999

Modifier:
Engine: IO-540-C4B5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes: Engine rating is non-standard.

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8477A-4*1	PCP:BLADE UNIT, B-3202H-8	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-8	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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SLINGSBY

Model: T67M200
Trade Name: FIREFLY
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YR-4CF
Propeller T.C.: P-920
Blade Model(s): FC7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	836-60P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-56	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1343 **Rev.:** **Date:** 5/17/1999

Modifier:
Engine: AEIO-360-A1E
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor:

SNOW

Model: see AYRES
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 960 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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SOCATA

Model: see AEROSPATIALE

Trade Name:
Aircraft T.C./STC:
Propeller Model:

Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 961 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

SOKO

Model: J-20

Trade Name: KRAGUJ
Aircraft T.C./STC: UNKNOWN
Propeller Model: HC-B3Z20-1

Propeller T.C.: P-907
Blade Model(s): 10151CN-5
Prop Diameter: 96"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 15.5 +-0.2

Non-HPI Items:

Non-HPI Spinner: No Spinner

Hartzell Approved Items:

IDS No.: 2767 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: GSO-480-B1A6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 31.2 +-0.5
Cwt Angle:

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	10151CN-5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	

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SORRELL

Model: SNS-7
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YK-4CF
Propeller T.C.: P-920

Blade Model(s): FC7666A-2
FC7666A-4Q

Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 963 **Rev.:** **Date:** 5/29/2002

Modifier:
Engine: IO-360-B1E
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000-2250 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 24.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00609	HC-C2YK-4CF/FC7666A-2/SM8	1	A/C	
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
BLADE	FC7666A-4Q	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	836-52	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

SORRELL

Model: SNS-7
Trade Name: HYPERBIPE
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-4CF
Propeller T.C.: P-920

Blade Model(s): FC7666A-2
FC7666A-4

Prop Diameter: 74"-72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2775 **Rev.:** **Date:** 5/16/2008

Modifier:
Engine: IO-360 SERIES
Power: 200 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2350 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00231	HC-C2YR-4CF/FC7666A-2/SM8	1	A/C	
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
BLADE	FC7666A-4	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	836-52	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-52P	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-60P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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SPARTON

Model: 7W
 Trade Name:
 Aircraft T.C./STC: STC-SA4-1408
 Propeller Model: HC-B3Z30-1E
 Propeller T.C.:
 Blade Model(s): 10152-5.5
 10152N-5.5

Prop Diameter: 96"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle:

IDS No.: 964 Rev.: Date: 10/2/1992
 Modifier: WEST COAST PROP.
 Engine:
 Power: HP @ RPM
 Placard/Restr:
 Notes:

Startlock Angle:
 Feather/High Angle:
 Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	10152-5.5	BLADE	3	Prop	
BLADE	10152N-5.5	BLADE	3	Prop	
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C3	GOVERNOR ASSEMBLY, C-3(-)	1	A/C	

STAUDACHER AIRCRAFT

Model: STAUDACHER 300
 Trade Name:
 Aircraft T.C./STC: EXPERIMENTAL
 Propeller Model: HC-C3YR-4A
 Propeller T.C.: P25EA
 Blade Model(s): C7690E
 Prop Diameter: 78" NO CUT OFF

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 11.2 +-0.1

IDS No.: 2692 Rev.: Date: 3/2/2007
 Modifier:
 Engine: AEIO-540
 Power: 280 HP @ 2700 RPM
 Placard/Restr:
 Notes: Counterweighted version of IDS no. 1353

Startlock Angle: NA
 Feather/High Angle: 32.0 +-1.0
 Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00281	HC-C3YR-4A/C7690E/SM6	1	A/C	
BLADE	C7690E	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	D-7267	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-7267-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-66	GOVERNOR ASSEMBLY, F-6(-)	1	A/C	
GOVERNOR	F6-66Z	IDS Item	1	A/C	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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STAUDACHER AIRCRAFT

Model: STAUDACHER S-1000

Trade Name:

Aircraft T.C./STC: Experimental

Propeller Model: HC-C3YR-1RF

Propeller T.C.: P25EA

Blade Model(s): F8068

Prop Diameter: 82"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.3 +-0.2

IDS No.: 1352

Rev.:

Date: 7/2/2002

Modifier:

Engine: IO-540-D4A5

Power: 260 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 31.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00065	HC-C3YR-1RF/F8068/SM6	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	3	Prop	
SPINNER	C-3570-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

STAUDACHER AIRCRAFT

Model: STAUDACHER 300

Trade Name:

Aircraft T.C./STC: Experimental

Propeller Model: HC-C3YR-1A

Propeller T.C.: P25EA

Blade Model(s): 7690C

7690E

Prop Diameter: 78" NO CUT OFF

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 11.6 +-0.1

IDS No.: 1353

Rev.:

Date: 7/16/2008

Modifier:

Engine: AEIO-540

Power: 280 HP @ 2700 RPM

Placard/Restr:

Notes: Governor requires A-3144-2 Governor Drive Extension and C-6059X Valve Assembly with B-1104 Gasket

Startlock Angle: NA

Feather/High Angle: 32.0 +-1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00015	HC-C3YR-1A/7690E/SM6	1	A/C	
PROPELLER	C3R00015KD	HC-C3YR-1A/7690E/SM6	1	A/C	
BLADE	7690C	BLADE ASSEMBLY, COMPOSITE	3	Prop	SUPERSEDED BY 7690E
BLADE	7690E	PCP:BLADE ASSY, COMP [3,1,1]	3	Prop	Supersedes 7690C
SPINNER	C-3570-P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-6936-P	SPINNER ASSEMBLY	1	Prop	REQ'D IF USING 7690E BLADE
GOVERNOR	E2-5	GOVERNOR ASSEMBLY, E-2-()	1	A/C	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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STAUDACHER AIRCRAFT

Model: STAUDACHER 300
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-4CF
Propeller T.C.: P-920
Blade Model(s): FC8477A-4*1
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.2 +-0.1

IDS No.: 1354 **Rev.:** **Date:** 5/17/1999

Modifier:
Engine: IO-540-K
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R00261	HC-C2YR-4CF/FC8477A-4[*1]/SM8	1	A/C	
BLADE	FC8477A-4*1	PCP:BLADE UNIT, B-3202H-8	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	2	Prop	
SPINNER	836-60P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-8	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

STEEN (See also STOLP)

Model: SKYBOLT
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-4BF, -4CF
Propeller T.C.: P-920
Blade Model(s): FC7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

IDS No.: 968 **Rev.:** **Date:** 2/2/2005

Modifier:
Engine: IO-360-A1B, C1E6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.5 +-1.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R00229	HC-C2YR-4CF/FC7666A-2/SM8	1	A/C	
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	836-52	SPINNER ASSEMBLY	1	Prop	Replaced by -60?
GOVERNOR	F6-3A	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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STEEN (See also STOLP)

Model: SKYBOLT
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-4BF, -4CF
Propeller T.C.: P-920
Blade Model(s): FC7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

IDS No.: 1355 **Rev.:** **Date:** 2/3/2005

Modifier:
Engine: IO-360-A1A
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.0 +-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	835-41	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-52	SPINNER ASSEMBLY	1	Prop	For -4CF
SPINNER	C-2513-5	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-3A	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	836-52 spinner only (-4CF)
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

STEEN (See also STOLP)

Model: SKYBOLT
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YK-4F
Propeller T.C.: P-920
Blade Model(s): FC8477A-7
Prop Diameter: 77"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.1

IDS No.: 970 **Rev.:** **Date:** 10/5/2005

Modifier: UNIVAIR
Engine: IO-540-C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8477A-7	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-5A	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
COUNTERWEIGHT	B-3202-11	PCP:COUNTERWEIGHT	1	Blade	Blade Component
CWT_SLUG	A-890-15	PCP:SLUG, COUNTERWEIGHT	1	Blade	Blade Component
CWT_SLUG	B-3384-9H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0463	WASHER	2	Blade	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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STEEN (See also STOLP)

Model: SKYBOLT
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YR-1A
Propeller T.C.: P25EA
Blade Model(s): 7690E
Prop Diameter: 78" NO CUT OFF

IDS No.: 1356 **Rev.:** **Date:** 2/3/2005
Modifier:
Engine: AEIO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes: Governor requires A-3144-2 Governor Drive Extension and C-6059X Valve Assembly with B-1104 Gasket. Use C-6059 Valve Assembly 8907-001 Accumulator

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.7 +-0.1

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7690E	PCP:BLADE ASSY, COMP [3,1,1]	3	Prop	
SPINNER	C-3570-P	SPINNER ASSEMBLY	1	Prop	w/ 7690C blades
SPINNER	D-6936-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E2-5	GOVERNOR ASSEMBLY, E-2-()	1	A/C	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

STEEN (See also STOLP)

Model: SKYBOLT
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YR-1A
Propeller T.C.: P25EA
Blade Model(s): 7690E
Prop Diameter: 78" NO CUT OFF

IDS No.: 1357 **Rev.:** **Date:** 2/2/2005
Modifier:
Engine: AEIO-540-A2B (MOD)
Power: 320 HP @ 2700 RPM
Placard/Restr:
Notes: Governor requires A-3144-2 Governor Drive Extension and C-6059X Valve Assembly with B-1104 Gasket. Use C-6059 Valve Assembly 8907-001 Accumulator

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.2 +-0.1

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7690E	PCP:BLADE ASSY, COMP [3,1,1]	3	Prop	
SPINNER	C-3570-P	SPINNER ASSEMBLY	1	Prop	w/ 7690C blades
SPINNER	D-6936-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	E2-1	GOVERNOR ASSEMBLY, E-2-()	1	A/C	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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STEEN AERO LAB

Model:
Trade Name: SKYBOLT
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-4CF
Propeller T.C.: P-920
Blade Model(s): FC8477A-4*1
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +-0.1

IDS No.: 2533 **Rev.:** **Date:** 2/1/2005

Modifier:
Engine: IO-540-C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2R00260	HC-C2YR-4CF/FC8477A-4[*1]/SM8	1	A/C	
BLADE	FC8477A-4*1	PCP:BLADE UNIT, B-3202H-8	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

STEWART 51 INC.

Model: S51D
Trade Name: STEWART 51
Aircraft T.C./STC: Experimental
Propeller Model: HC-B4TN-1X1
Propeller T.C.:

Blade Model(s): T9212N-2
Prop Diameter: 91" to 90"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 1387 **Rev.:** 2 **Date:** 5/31/2013

Modifier:
Engine: GIVL-454A
Power: 400 HP @ 2275 RPM
Placard/Restr: Avoid continuous ground operation between 800 and 1100 propeller RPM. Avoid continuous operation between 1950 and 2100 propeller RPM above 22" manifold pressure.

Notes: Obsolete for new installations

Startlock Angle: NA
Feather/High Angle: 51.5 +-1.0
Cwt Angle: 17

Non-HPI Items:

Non-HPI Spinner: STEWART

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	T9212N-2	PCP:BLADE UNIT, ALUM [1,1,1]	4	Prop	
GOVERNOR	F6-72	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
GOVERNOR	F6-72Z	IDS Item	1	A/C	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Alternate
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Primary
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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STEWART 51 INC.

Model: S51D
Trade Name: STEWART 51
Aircraft T.C./STC: Experimental
Propeller Model: HC-B4TN-1AX2
Propeller T.C.:

Blade Model(s): T10178N-11*1X
Prop Diameter: 91.5" to 90.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.1 +-0.2

Non-HPI Items:

Non-HPI Spinner: STEWART

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B4N10032X	HC-B4TN-1AX2/T10178N-11[*1]X	1	A/C	
BLADE	T10178N-11*1X	PCP:BLADE UNIT, ALUM [3,6,4]	4	Prop	
GOVERNOR	F6-72X	IDS Item	1	A/C	
GOVERNOR	F6-72ZX	IDS Item	1	A/C	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Alternate
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Primary
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

IDS No.: 1386 **Rev.:** 2 **Date:** 5/31/2013

Modifier:
Engine: GIV-502A
Power: 500 HP @ 2230 RPM
Placard/Restr: Avoid continuous ground operation between 1050 and 1400 propeller RPM (2236 - 2982 engine RPM)

Notes:

Startlock Angle: NA
Feather/High Angle: 54.2 +-1.0
Cwt Angle: 20 +-1.0

Non-HPI Governor:

STINSON

Model: 108-1, -2, -3
Trade Name:
Aircraft T.C./STC: STC-SA4-46
Propeller Model: HC-12V20-8, HC-D2V20-8, HC-12V20-8D
Propeller T.C.: P48GL
Blade Model(s): V8433-6
Prop Diameter: 78" - 76.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433-6	BLADE	2	Prop	
COUNTERWEIGHT	833-23	IDS Item	1	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	

IDS No.: 2288 **Rev.:** 1 **Date:** 1/7/2011

Modifier: SERV-AERO ENG.
Engine: O-435-1
Power: 190 HP @ 2550 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 20.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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STINSON

Model: 108-1, -2, -3
Trade Name:
Aircraft T.C./STC: STC-SA4-46
Propeller Model: HC-12X20-8, HC-D2X20-8, HC-12X20-8D
Propeller T.C.: P48GL
Blade Model(s): 8433-6
Prop Diameter: 78" TO 76.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-6	BLADE	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	

IDS No.: 2287 **Rev.:** 1 **Date:** 1/7/2011

Modifier: SERV-AERO ENG.
Engine: O-435-1
Power: 190 HP @ 2550 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 20.5 +0.5
Cwt Angle: Positive

Non-HPI Governor:

STINSON

Model: 108-1, -2, -3
Trade Name:
Aircraft T.C./STC: STC-SA4-46
Propeller Model: HC-D2MV20-8
Propeller T.C.: P48GL
Blade Model(s): MV8433N-6
Prop Diameter: 78" TO 76.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-6	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	

IDS No.: 977 **Rev.:** 1 **Date:** 1/10/2011

Modifier: SERV-AERO ENG.
Engine: O-435-1
Power: 190 HP @ 2550 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 20.5 +0.5
Cwt Angle: Positive

Non-HPI Governor:

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STINSON

Model: 108-2,-3
Trade Name:
Aircraft T.C./STC: STC-SA1199WE
Propeller Model: HC-A2XF-1A, HC-82XF-1A
Propeller T.C.: P24EA
Blade Model(s): 8433
Prop Diameter: 84.3"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	8433	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2283 Rev.: Date: 11/21/2003

Modifier: PDX AIRCRAFT
Engine: O-470-A, -J, -K, -L
Power: 225 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

STINSON

Model: 108-2,-3
Trade Name:
Aircraft T.C./STC: STC-SA1199WE
Propeller Model: HC-A2MVF-1A
Propeller T.C.: P24EA
Blade Model(s): MV8433N
Prop Diameter: 84.3"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

IDS No.: 975 Rev.: Date: 5/19/1998

Modifier: PDX AIRCRAFT
Engine: O-470-A, -J, -K, -L
Power: 225 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

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STINSON

Model: 108-2,-3
Trade Name:
Aircraft T.C./STC: STC-SA1199WE
Propeller Model: HC-A2VF-1, HC-A2VF-1A,
 HC82VF-1A
Propeller T.C.: P24EA
Blade Model(s): V8433
 V8433N
Prop Diameter: 84.3"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433	BLADE	2	Prop	
BLADE	V8433N	BLADE	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

IDS No.: 2284 **Rev.:** **Date:** 11/21/2003

Modifier: PDX AIRCRAFT
Engine: O-470-A, -J, -K, -L
Power: 225 HP @ 2600 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

STINSON

Model: 108-2, 108-3
Trade Name: VOYAGER
Aircraft T.C./STC: SA313NW
Propeller Model: HC-C2YF-1BF
Propeller T.C.: P-920
Blade Model(s): F8459A-4
 F8459A-4Q
Prop Diameter: 80" TO 76"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2F00321	HC-C2YF-1BF/F8459A-4Q/SM2	1	A/C	
PROPELLER	C2F00325	HC-C2YF-1BF/F8459A-4/SM2	1	A/C	
BLADE	F8459A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F8459A-4Q	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-4203	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPINNER	A-4203-P	SPINNER ASSEMBLY, "CNC"	1	Prop	
SPIN MTG KIT	A-2476-2	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1741 **Rev.:** **Date:** 4/11/2000

Modifier: SEAPLANE FLYING, INC.
Engine: 6A-350-C1, -C2
Power: 220 HP @ 2800 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle: NA

Non-HPI Governor:

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STINSON

Model: 108-2,-3
Trade Name:
Aircraft T.C./STC: STC-SA4-398
Propeller Model: HC-12X20-8, HC-D2X20-8
Propeller T.C.: P48GL
Blade Model(s): 8433-6
Prop Diameter: 78" TO 86.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-6	BLADE	2	Prop	
COUNTERWEIGHT	833-18	IDS Item	1	Blade	

IDS No.: 2285 **Rev.:** **Date:** 11/21/2003
Modifier: SERV-AERO ENG.
Engine: O-435-C
Power: 190 HP @ 2550 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 20.5 +0.5
Cwt Angle: Positive

Non-HPI Governor:

STINSON

Model: 108-2,-3
Trade Name:
Aircraft T.C./STC: STC-SA4-398
Propeller Model: HC-12V20-8, HC-D2V20-8
Propeller T.C.: P48GL
Blade Model(s): V8433-6
V8433N-6
Prop Diameter: 78" TO 86.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-6	BLADE	2	Prop	
BLADE	V8433N-6	BLADE	2	Prop	
COUNTERWEIGHT	833-18	IDS Item	1	Blade	

IDS No.: 2286 **Rev.:** **Date:** 11/21/2003
Modifier: SERV-AERO ENG.
Engine: O-435-C
Power: 190 HP @ 2550 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 20.5 +0.5
Cwt Angle: Positive

Non-HPI Governor:

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STINSON

Model: 108-2,-3
Trade Name:
Aircraft T.C./STC: STC-SA4-398
Propeller Model: HC-D2MV20-8
Propeller T.C.: P48GL
Blade Model(s): MV8433N-6
Prop Diameter: 78" TO 86.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 10.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-6	PCP:BLADE UNIT, ALUMINUM	2	Prop	
COUNTERWEIGHT	833-18	IDS Item	1	Blade	

IDS No.: 976 **Rev.:** **Date:** 5/19/1998
Modifier: SERV-AERO ENG.
Engine: O-435-C
Power: 190 HP @ 2550 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 20.5 +0.5
Cwt Angle: Positive

Non-HPI Governor:

STINSON

Model: 108; 108-1,-2,-3
Trade Name:
Aircraft T.C./STC: A767
Propeller Model: HC-12X20-8C, -D2X20-8
Propeller T.C.:
Blade Model(s): 8428-6
Prop Diameter: 78" TO 76.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8428-6	IDS Item	2	Prop	

IDS No.: 973 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: O-435-A, -C
Power: 190 HP @ 2550 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 22.5 +0.5
Cwt Angle: Positive

Non-HPI Governor:

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STINSON

Model: 108; 108-1,-2,-3
Trade Name:
Aircraft T.C./STC: A767
Propeller Model: HC-12X20-8C, HC-D2X20-8
Propeller T.C.:
Blade Model(s): 8433-6
Prop Diameter: 78" TO 76.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-6	BLADE	2	Prop	

IDS No.: 2280 Rev.: Date: 11/21/2003

Modifier:
Engine: O-435-A, -C
Power: 190 HP @ 2550 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 22.5 +0.5
Cwt Angle: Positive

Non-HPI Governor:

STINSON

Model: 108; 108-1,-2,-3
Trade Name:
Aircraft T.C./STC: A-767
Propeller Model: HC-12X20-8, HC-D2X20-8, HC-12X20-8D
Propeller T.C.: P48GL
Blade Model(s): 8433-6
Prop Diameter: 78" TO 76.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-6	BLADE	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2281 Rev.: Date: 11/21/2003

Modifier:
Engine: O-435-A, -C
Power: 190 HP @ 2550 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 22.5 +0.5
Cwt Angle: Positive

Non-HPI Governor:

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STINSON

Model: 108; 108-1,-2,-3
Trade Name:
Aircraft T.C./STC: A-767
Propeller Model: HC-12V20-8, HC-D2V20-8, HC-12V20-8D
Propeller T.C.: P48GL
Blade Model(s): V8433-6
Prop Diameter: 78" TO 76.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	V8433-6	BLADE	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 2282 Rev.: Date: 11/21/2003

Modifier:
Engine: O-435-A, -C
Power: 190 HP @ 2550 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 22.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

STINSON

Model: 108; 108-1,-2,-3
Trade Name:
Aircraft T.C./STC: A-767
Propeller Model: HC-D2MV20-8
Propeller T.C.: P48GL
Blade Model(s): MV8433N-6
Prop Diameter: 78" TO 76.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	D2210032	HC-D2MV20-8/MV8433N-6/LESS HYD	1	A/C	
BLADE	MV8433N-6	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 974 Rev.: 1 Date: 1/10/2011

Modifier:
Engine: O-435-A, -C
Power: 190 HP @ 2550 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 22.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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STINSON

Model: 108, 108-1, 108-2, 108-3

Trade Name:

Aircraft T.C./STC: SA964NW

Propeller Model: HC-C2YK-1BF

Propeller T.C.: P-920

Blade Model(s): F7666A

Prop Diameter: 76" No Cut Off

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle: 14.0+-1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00006	HC-C2YK-1BF/F7666A	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
GOVERNOR	H1	GOVERNOR ASSEMBLY, H-1-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 3048

Rev.:

Date: 2/16/2011

Modifier: Stinson Bobcat

Engine: O-360-A1A

Power: 180 HP @ 2700 RPM

Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:

Startlock Angle:

Feather/High Angle: 33.9+-1.0

Cwt Angle:

Non-HPI Governor:

STINSON

Model: L-5; L-5B,-5C,-5D,-5E,-5E-1,-5G

Trade Name:

Aircraft T.C./STC: A764

Propeller Model: HC-12X20-4

Propeller T.C.:

Blade Model(s): 8428+2

Prop Diameter: 85" TO 83"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 11.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8428+2	IDS Item	2	Prop	

IDS No.: 971

Rev.:

Date: 10/2/1992

Modifier:

Engine: O-435-C, -1, -11

Power: 190 HP @ 2550 RPM

Placard/Restr:

Notes: Requires FAA 337 form

Startlock Angle: NA

Feather/High Angle: 25.5 +-0.5

Cwt Angle: Positive

Non-HPI Governor:

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STINSON

Model: L-5
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-D2X20-8
Propeller T.C.: P917
Blade Model(s): 8433-6
Prop Diameter: 78"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-6	BLADE	2	Prop	

IDS No.: 2407 Rev.: Date: 12/2/2003
Modifier: E.G. LEEMAN
Engine: O-435-C
Power: 190 HP @ 2550 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

STINSON

Model: L-5
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-D2V20-8
Propeller T.C.: P48GL
Blade Model(s): V8433-6
V8433N-6
Prop Diameter: 78"

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-6	BLADE	2	Prop	
BLADE	V8433N-6	BLADE	2	Prop	

IDS No.: 2408 Rev.: Date: 12/18/2003
Modifier: E.G. LEEMAN
Engine: O-435-C
Power: 190 HP @ 2550 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

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STODDARD HAMILTON

Model: GLASAIR
 Trade Name:
 Aircraft T.C./STC: Experimental
 Propeller Model: HC-M2YR-1BF
 Propeller T.C.:
 Blade Model(s): F7666A-2
 Prop Diameter: 74"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 529 Rev.: Date: 10/2/1992

Modifier:
 Engine: IO-360 SERIES
 Power: 200 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 35.0 +-1.0
 Cwt Angle:

Non-HPI Governor:

STODDARD HAMILTON

Model: GLASAIR II
 Trade Name:
 Aircraft T.C./STC: Experimental
 Propeller Model: HC-C2YL-1BF
 Propeller T.C.: P-920
 Blade Model(s): F7663D-4
 Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius 30
 Reverse Angle: NA
 Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2L00052	HC-C2YL-1BF/F7663D-4/SM8	1	A/C	
BLADE	F7663D-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

IDS No.: 1811 Rev.: Date: 9/21/2004

Modifier:
 Engine: IO-320 SERIES
 Power: 160 HP @ 2700 RPM
 Placard/Restr:
 Notes:

Startlock Angle: NA
 Feather/High Angle: 32.0 +-1.0
 Cwt Angle:

Non-HPI Governor:

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STODDARD HAMILTON

Model: GLASAIR
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YL-1F
Propeller T.C.: P27EA
Blade Model(s): F7663D-4
F7663D-6
F7663D-6Q
Prop Diameter: 72 TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

IDS No.: 530 **Rev.:** **Date:** 12/21/2006

Modifier:
Engine: IO-320 SERIES
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2L00064	HC-F2YL-1F/F7663D-4/SM19	1	A/C	
BLADE	F7663D-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F7663D-6	IDS Item	2	Prop	
BLADE	F7663D-6Q	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

STODDARD HAMILTON

Model: GLASAIR II
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA
Blade Model(s): F7068-2
Prop Diameter: 68"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

IDS No.: 1359 **Rev.:** **Date:** 7/14/1997

Modifier:
Engine: IO-360-B1B
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: STODDARD

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2R00071	HC-F2YR-1F/F7068-2/SM8	1	A/C	
BLADE	F7068-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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STODDARD HAMILTON

Model: GLASAIR II
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner: STODDARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00049	HC-C2YK-1BF/F7666A-2/SM8	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 528 **Rev.:** **Date:** 12/23/2003

Modifier:
Engine: IO-360 SERIES
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Governor:

STODDARD HAMILTON

Model: 2 SRG GLASAIR
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2Y(K,R)-4CF
Propeller T.C.: P-920

Blade Model(s): FC7666A-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00620	HC-C2YK-4CF/FC7666A-4/SM8	1	A/C	
BLADE	FC7666A-4	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 532 **Rev.:** **Date:** 5/29/2002

Modifier:
Engine: IO-360
Power: 200 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000-2350 RPM and above 2600 RPM during aerobatic flight
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Governor:

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STODDARD HAMILTON

Model: SUPER 2SRG GLASAIR

Trade Name:

Aircraft T.C./STC: Experimental

Propeller Model: HC-C2YR-1BF

Propeller T.C.: P-920

Blade Model(s): F7068-2

Prop Diameter: 68"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.2 +-0.1

Non-HPI Items:

Non-HPI Spinner: STODDARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00014	HC-C2YR-1BF/F7068-2/SM8	1	A/C	
BLADE	F7068-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1358

Rev.:

Date: 1/21/2000

Modifier:

Engine: IO-360-B1(), E1A, F1A

Power: 180 HP @ 2700 RPM

Placard/Restr: Stabilized operation is prohibited above 25" manifold pressure between 2300-2250 RPM and below 15" manifold pressure above 2600 RPM

Notes:

Startlock Angle: NA

Feather/High Angle: 39.0 +-1.0

Cwt Angle:

Non-HPI Governor:

STODDARD HAMILTON

Model: GLASAIR III

Trade Name:

Aircraft T.C./STC: Experimental

Propeller Model: HC-C2YK-1BF

Propeller T.C.: P-920

Blade Model(s): F8475J-4

Prop Diameter: 78" TO 80"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner: GLASAIR SPINNER

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00120	HC-C2YK-1BF/F8475J-4/SM8	1	A/C	
BLADE	F8475J-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 531

Rev.:

Date: 11/9/2006

Modifier:

Engine: IO-540 SERIES

Power: 300 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 38.0 +-1.0

Cwt Angle:

Non-HPI Governor:

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STODDARD HAMILTON

Model: GS-1 GLASTAR
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YL-1F
Propeller T.C.: P27EA
Blade Model(s): F7663-3
Prop Diameter: 73"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.2 +-0.1

IDS No.: 1229 **Rev.:** **Date:** 6/28/2005

Modifier:
Engine: IO-320-D1F
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes: Experimental aircraft

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2L00027	HC-F2YL-1F/F7663-3/SM4	1	A/C	
BLADE	F7663-3	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-23P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

STODDARD HAMILTON

Model: GS-1 GLASTAR
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA
Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 1230 **Rev.:** **Date:** 6/29/2005

Modifier:
Engine: O-360-A1F6
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes: Experimental aircraft

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2R00031	HC-F2YR-1F/F7666A-2/SM4	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-23	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-23P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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STOL A/C

Model: UC-1
Trade Name:
Aircraft T.C./STC: A6EA
Propeller Model: HC-C2YK-2RB(F)
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 979 **Rev.:** **Date:** 7/17/2007
Modifier:
Engine: IO-360-B1D
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:

Startlock Angle: 19.5 +/-1.5

Feather/High Angle: 79.3 +/-0.5

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00522	HC-C2YK-2RBF/F7666A-2			
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-29P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-3	IDS Item	1	Prop	
GOVERNOR	F6-3A	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

STOL AMPHIBIAN

Model: see REPUBLIC
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 980 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:

Feather/High Angle:

Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

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STOLP

Model: STARDUSTER
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YK-4AF
Propeller T.C.: P-920
Blade Model(s): FC7666A-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 983 **Rev.:** **Date:** 4/6/2000

Modifier:
Engine: O-360-A1F6
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC7666A-4	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	836-52	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-3A	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

STOLP

Model: STARDUSTER
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-4CF
Propeller T.C.: P-920
Blade Model(s): FC8477A-8R
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 984 **Rev.:** **Date:** 3/16/2006

Modifier:
Engine: O-540-()
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00275	HC-C2YR-4CF/FC8477A-8R	1	A/C	
BLADE	FC8477A-8R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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STOLP

Model: STARDUSTER
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8467-8
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8467-8	IDS Item	2	Prop	
SPINNER	836-52	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F4-4A	GOVERNOR ASSEMBLY, F-4-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 982 **Rev.:** **Date:** 3/11/2003

Modifier:
Engine: IO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

STOLP

Model: STARDUSTER
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YK-4AF
Propeller T.C.:
Blade Model(s): FC8467-7R
Prop Diameter: 77"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8467-7R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	836-52	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-13A	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 981 **Rev.:** **Date:** 3/11/2003

Modifier:
Engine: IO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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SUD AVIATION (SOCATA)

Model: GY.80-150
Trade Name: GARDAN
Aircraft T.C./STC: A12IN
Propeller Model: HC-82XL-1, HC-A2XL-1
Propeller T.C.: P24EA
Blade Model(s): 7636-4
 7636D-4
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	2	Prop	
BLADE	7636D-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30

IDS No.: 2289 **Rev.:** **Date:** 1/12/2004

Modifier:
Engine: O-320-A3C
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.2 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

SUD AVIATION (SOCATA)

Model: GY.80-150
Trade Name: GARDAN
Aircraft T.C./STC: A12IN
Propeller Model: HC-82VL-1, HC-A2VL-1
Propeller T.C.: P24EA
Blade Model(s): V7636D-4
 V7636N-4
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30

IDS No.: 2290 **Rev.:** **Date:** 1/12/2004

Modifier:
Engine: O-320-A3C
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.2 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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SUD AVIATION (SOCATA)

Model: GY.80-150
Trade Name: GARDAN
Aircraft T.C./STC: A12IN
Propeller Model: HC-A2MVL-1
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30

IDS No.: 985 **Rev.:** **Date:** 1/12/2004

Modifier:
Engine: O-320-A3C
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.2 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

SUD AVIATION (SOCATA)

Model: GY.80-160
Trade Name: GARDAN HORIZON
Aircraft T.C./STC: A12IN
Propeller Model: HC-82XL-1, HC-A2XL-1
Propeller T.C.: P24EA
Blade Model(s): 7636-4
7636D-4
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	2	Prop	
BLADE	7636D-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30

IDS No.: 2291 **Rev.:** **Date:** 1/12/2004

Modifier:
Engine: O-320-B3C
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.2 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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SUD AVIATION (SOCATA)

Model: GY.80-160
Trade Name: GARDAN HORIZON
Aircraft T.C./STC: A12IN
Propeller Model: HC-82VL-1, HC-A2VL-1
Propeller T.C.: P24EA
Blade Model(s): V7636D-4
V7636N-4
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2292 **Rev.:** **Date:** 1/12/2004

Modifier:
Engine: O-320-B3C
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.2 +/-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636D-4	BLADE	2	Prop	
BLADE	V7636N-4	BLADE	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30

SUD AVIATION (SOCATA)

Model: GY.80-160
Trade Name: GARDAN HORIZON
Aircraft T.C./STC: A12IN
Propeller Model: HC-A2MVL-1
Propeller T.C.: P24EA
Blade Model(s): MV7636N-4
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 986 **Rev.:** **Date:** 1/12/2004

Modifier:
Engine: O-320-B3C
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.2 +/-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV7636N-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-30	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-6P	IDS Item	1	Prop	Superseded, use 835-30

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SUD AVIATION (SOCATA)

Model: GY.80-160
Trade Name: GARDAN HORIZON
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F7663A-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00044	HC-C2YL-1BF/F7663A-4			
BLADE	F7663A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-20	IDS Item	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

IDS No.: 987 **Rev.:** **Date:** 10/15/2007

Modifier:
Engine: O-320-B3C
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.0 +-2.0
Cwt Angle:

Non-HPI Governor:

SUD AVIATION (SOCATA)

Model: GY.80-180
Trade Name: GARDAN
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00047	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-20	IDS Item	1	Prop	
GOVERNOR	F4-4	IDS Item	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 988 **Rev.:** **Date:** 6/6/2008

Modifier:
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Governor:

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SWEARINGEN (See also FAIRCHILD)

Model: SX300
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-E3YR-1RF
Propeller T.C.: P33EA
Blade Model(s): F8468T-12
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 990 **Rev.:** **Date:** 5/5/1997

Modifier:
Engine: IO-540-L1A5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 40.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	E3R00010	HC-E3YR-1RF/F8468T-12/SM7	1	A/C	
BLADE	F8468T-12	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V3	GOVERNOR ASSEMBLY, V-3-()	1	A/C	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

SWIFT

Model: GC-1B
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-82XL-1D
Propeller T.C.: P878
Blade Model(s): 7636D-4
Prop Diameter: 72.2"

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2409 **Rev.:** **Date:** 12/2/2003

Modifier: E.J. FALTENBACHER
Engine: IO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636D-4	BLADE	2	Prop	

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SWIFT

Model: GC-1B
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-A2XL-1
Propeller T.C.: P908
Blade Model(s): 7636-4
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7636-4	BLADE	2	Prop	

IDS No.: 2410 Rev.: Date: 12/2/2003

Modifier:
Engine: IO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.5 +0.5
Cwt Angle:

Non-HPI Governor:

SWIFT

Model: GC-1B
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-A2VL-1
Propeller T.C.: P24EA
Blade Model(s): V7636N-4
Prop Diameter:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V7636N-4	BLADE	2	Prop	

IDS No.: 2411 Rev.: Date: 11/20/2003

Modifier:
Engine: IO-320-B1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 25.5 +0.5
Cwt Angle:

Non-HPI Governor:

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SWIFT MUSEUM FOUNDATION

Model: GC-1B
Trade Name:
Aircraft T.C./STC: A-766
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A-2
Prop Diameter: 74"-72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: N/A
Low Pitch Angle: 12.8 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2006 **Rev.:** **Date:** 8/30/2007

Modifier:
Engine: 0-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM
Notes: Engine installation per STC SA803S0.

Startlock Angle: N/A
Feather/High Angle: 35.9 +-1.0
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00026	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2298-2	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-4798P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-14	SPINNER - MTG KIT	1	Prop	[w/Hartzell Spinners Only]
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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TAYLORCRAFT

Model: 20
Trade Name:
Aircraft T.C./STC: 3A3
Propeller Model: HC-A2MVF-1
Propeller T.C.: P24EA
Blade Model(s): MV8433N
Prop Diameter: 84.2" TO 82.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

IDS No.: 995 Rev.: Date: 5/20/1998

Modifier:
Engine: O-470-J
Power: 225 HP @ 2550 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

TAYLORCRAFT

Model: 20
Trade Name:
Aircraft T.C./STC: 3A3
Propeller Model: HC-A2MVF-1
Propeller T.C.: P24EA
Blade Model(s): MV8433N
Prop Diameter: 84.2" TO 82.5"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.8 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-13	SPINNER ASSEMBLY	1	Prop	

IDS No.: 994 Rev.: Date: 5/20/1998

Modifier:
Engine: O-470-A
Power: 225 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.5 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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TAYLORCRAFT

Model: DCO-65
Trade Name:
Aircraft T.C./STC: A746
Propeller Model: HA-12U
Propeller T.C.:
Blade Model(s): 7214-4
7214-4M
7414
Prop Diameter: 74" TO 68"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: SET TO STATIC RPM

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 996 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: A-65-8
Power: 65 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Governor: NA

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7214-4	IDS Item	2	Prop	
BLADE	7214-4M	IDS Item	2	Prop	
BLADE	7414	IDS Item	2	Prop	

TEAL AIRCRAFT CORP

Model: TSC-1A, 1A1, 1A2
Trade Name:
Aircraft T.C./STC: A15EA
Propeller Model: HC-C2YL-1B
Propeller T.C.: P-920
Blade Model(s): F7663A-4
Prop Diameter: 72" TO 70"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 997 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: O-320-A3B
Power: 150 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 27.5 +/-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F2-6A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	also F2-7A?
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

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TEAM ROCKET

Model: F1
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-M2YR-1BF
Propeller T.C.: P43GL
Blade Model(s): F8475D-2*1
Prop Diameter: 82" TO 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +/-0.1

IDS No.: 2575 **Rev.:** **Date:** 5/9/2006

Modifier:
Engine: IO-540-C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.0 +/-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	M2R00041	HC-M2YR-1BF/F8475D-2[*1]/SM32	1	A/C	
BLADE	F8475D-2*1	PCP:BLADE UNIT, ALUM [6,1,1]	2	Prop	
SPIN MTG KIT	A-2476-32	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

TEAM ROCKET

Model: F1
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-J2YF-1BF
Propeller T.C.: P37EA
Blade Model(s): F8068D*2
Prop Diameter: 80"-78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 16.0 +/- 0.2

IDS No.: 3135 **Rev.:** 4 **Date:** 4/13/2012

Modifier:
Engine: IO-550-N
Power: 310 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 38.0 +/- 1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: Team Rocket Composite

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	J2F07000	HC-J2YF-1BF/F8068D[*2]/SM32	1	A/C	
PROPELLER	J2F07001	HC-J2YF-1BF/F8068D[*2]/SM53	1	A/C	
BLADE	F8068D*2	PCP:BLADE UNIT, ALUM [3,5,5]	2	Prop	
SPINNER	C-3533	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3533-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-32	SPINNER - MTG KIT	1	Prop	
SPIN MTG KIT	A-2476-53	SPINNER - MTG KIT	1	Prop	Kit For Composite Spinner
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

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TEAM ROCKET

Model: F1 ROCKET
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-M2YR-1BF
Propeller T.C.: P43GL
Blade Model(s): F8475D-4*3
Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.2 +-0.1

IDS No.: 2050 **Rev.:** **Date:** 8/26/2006

Modifier:
Engine: IO-540-C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	M2R00055	HC-M2YR-1BF/F8475D-4[*3]/SM32	1	A/C	
BLADE	F8475D-4*3	PCP:BLADE UNIT, ALUM [6,1,1]	2	Prop	
SPINNER	C-3533	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3533-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-32	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

TEAM ROCKET

Model: F1
Trade Name: ROCKET
Aircraft T.C./STC: Experimental
Propeller Model: HC-F3YR-1ARF
Propeller T.C.: P31EA
Blade Model(s): F7693DF
 F7693DF*1
Prop Diameter: 78" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 1844 **Rev.:** **Date:** 3/11/2003

Modifier:
Engine: IO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	F3R00035	HC-F3YR-1ARF/F7693DF/SM7	1	A/C	
PROPELLER	F3R00036	HC-F3YR-1ARF/F7693DF[*1]/SM7	1	A/C	
PROPELLER	F3R00036KD	HC-F3YR-1ARF/F7693DF[*1]/SM7	1	A/C	
BLADE	F7693DF	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	F7693DF*1	PCP:BLADE UNIT, ALUM [6,1,1]	3	Prop	
SPINNER	C-3535-1	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3535-1P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V3-3	GOVERNOR ASSEMBLY, V-3-()	1	A/C	Wide Deck
GOVERNOR	V3-7	GOVERNOR ASSEMBLY, V-3-()	1	A/C	Narr deck non "A" eng S/N sufx
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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TED SMITH AEROSTAR

Model: see AEROSTAR AIRCRAFT CORP.

Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

IDS No.: 1385 Rev.: Date: 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

TEXAS BULLET

Model: 205
Trade Name: TEXAS BULLET
Aircraft T.C./STC: 4A2
Propeller Model: HC-12X20-7
Propeller T.C.:
Blade Model(s): 8428-6
Prop Diameter: 78" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.8 +-0.2

Non-HPI Items:

Non-HPI Spinner: AIRCRAFT MFG CO

Hartzell Approved Items:

IDS No.: 1001 Rev.: Date: 10/2/1992

Modifier:
Engine: E-185-1
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 24.6 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8428-6	IDS Item	2	Prop	

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TEXAS BULLET

Model: 205
Trade Name: TEXAS BULLET
Aircraft T.C./STC: 4A2
Propeller Model: HC-12X20-7, HC-D2X20-7
Propeller T.C.: P48GL
Blade Model(s): 8433-6
Prop Diameter: 78" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

Non-HPI Items:

Non-HPI Spinner: AIRCRAFT MFG CO

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	8433-6	BLADE	2	Prop	

IDS No.: 2293 Rev.: Date: 11/21/2003

Modifier:
Engine: E-185-1-7
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

TEXAS BULLET

Model: 205
Trade Name: TEXAS BULLET
Aircraft T.C./STC: 4A2
Propeller Model: HC-12V20-7, HC-D2V20-7
Propeller T.C.: P48GL
Blade Model(s): V8433-6
V8433N-6
Prop Diameter: 78" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

Non-HPI Items:

Non-HPI Spinner: AIRCRAFT MFG CO

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	V8433-6	BLADE	2	Prop	
BLADE	V8433N-6	BLADE	2	Prop	

IDS No.: 2294 Rev.: Date: 11/21/2003

Modifier:
Engine: E-185-1-7
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

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TEXAS BULLET

Model: 205
Trade Name: TEXAS BULLET
Aircraft T.C./STC: 4A2
Propeller Model: HC-D2MV20-7
Propeller T.C.: P48GL
Blade Model(s): MV8433N-6
Prop Diameter: 78" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.2

Non-HPI Items:

Non-HPI Spinner: AIRCRAFT MFG CO

IDS No.: 1002 **Rev.:** **Date:** 5/20/1998

Modifier:
Engine: E-185-1-7
Power: 205 HP @ 2600 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 31.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	MV8433N-6	PCP:BLADE UNIT, ALUMINUM	2	Prop	

THORP

Model: T-18
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YL-1F
Propeller T.C.: P27EA
Blade Model(s): F7663A-4
Prop Diameter: 72" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1003 **Rev.:** **Date:** 8/29/2003

Modifier:
Engine: O-320, IO-320
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes: Customer supplied spinner

Startlock Angle: NA
Feather/High Angle: 26.5 +-1.5
Cwt Angle:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

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THORP

Model: T-18
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA

Blade Model(s): F7666A-4
Prop Diameter: 72" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +/-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7666A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F2-7A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1004 **Rev.:** **Date:** 8/26/2006

Modifier:
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes: Customer supplied spinner

Startlock Angle: NA
Feather/High Angle: 29.0 +/-1.0
Cwt Angle:

Non-HPI Governor:

THRUSH

Model: S2R
Trade Name: Turbo Thrush
Aircraft T.C./STC: SA00172SE
Propeller Model: HC-B3TN-5M
Propeller T.C.: P15EA
Blade Model(s): T10282N+4
Prop Diameter: 106.5" TO 102.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -6.0 +/- 0.5
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3N10914S	HC-B3TN-5M/T10282N+4/C-3043-2P	1	A/C	
BLADE	T10282N+4	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	C-3043-2P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

IDS No.: 3214 **Rev.:** 1 **Date:** 6/4/2013

Modifier: Turbine Dromaders, LLC
Engine: TPE331-6-252M, 252B, 252T
Power: 700 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: 2.0 +/- 0.1
Feather/High Angle: 89.0 +/- 0.5
Cwt Angle: Positive

Non-HPI Governor:

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THRUSH AIRCRAFT

Model: S-2R-T660
Trade Name: TURBO THRUSH
Aircraft T.C./STC:
Propeller Model: HC-B5MP-3(F)
Propeller T.C.: P44GL
Blade Model(s): M11276NS
Prop Diameter: 115.2" TO 114.7"

IDS No.: 2023 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: PT6A-65AG
Power: 1295 HP @ 1700 RPM
Placard/Restr:

Notes: At the low pitch setting, check blade to blade angles at the 36, 42, 48 and 54 inch radial locations. No blade may be consistently high or low at all four stations and all blades must be within 0.2 deg of one another.

Prop Setup:

Ref. Radius: 42
Reverse Angle: -10.0 +-0.5
Low Pitch Angle: 13.9 +-0.1

Startlock Angle: NA
Feather/High Angle: 83.1 +-0.5
Cwt Angle: 2.0 +-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5P10320	HC-B5MP-3F/M11276NS	1	A/C	
PROPELLER	B5P10320S	HC-B5MP-3F/M11276NS/E-7256	1	A/C	
PROPELLER	B5P10320SKD	HC-B5MP-3F/M11276NS/E-7256	1	A/C	
PROPELLER	B5P10330S	HC-B5MP-3F/M11276NS/E-7256-P	1	A/C	
PROPELLER	B5P10330SKD	HC-B5MP-3F/M11276NS/E-7256-P	1	A/C	
BLADE	M11276NS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	E-7256	SPINNER ASSEMBLY	1	Prop	
SPINNER	E-7256-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-6H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT, HEX, SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3339	BOLT, MOUNTING, 9/16-18, 12 POINT	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	2	Prop	

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THRUSH AIRCRAFT

Model: S-2R-T660
Trade Name: TURBO THRUSH
Aircraft T.C./STC: A4SW
Propeller Model: HC-B5MA-3D
Propeller T.C.: P44GL

IDS No.: 2024 **Rev.:** 2 **Date:** 8/16/2013

Modifier:
Engine: PT6A-67AG
Power: 1300 HP @ 1700 RPM
Placard/Restr: At the low pitch setting, check blade to blade angles at the 36, 42, 48 and 54 inch radial locations. No blade may be consistently high or low at all four stations and all blades must be within 0.2 deg. of one another.

Blade Model(s): M11276NS
Prop Diameter: 115.2" TO 114.7"

Notes: CAN ONLY USE M11276NS BLADES

Prop Setup:

Ref. Radius: 42
Reverse Angle: -10.0 +/-0.5
Low Pitch Angle: 13.9 +/-0.1

Startlock Angle: NA
Feather/High Angle: 83.1 +/-0.5
Cwt Angle: 2.0 +/-1.0

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B5A10035S	HC-B5MA-3D/M11276NS/D-5497-P	1	A/C	
BLADE	M11276NS	PCP:BLADE UNIT, ALUMINUM	5	Prop	
SPINNER	D-5497-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-5H	BOLT, 1/4-28, HEX HEAD	10	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	10	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	10	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-4	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	B-3347	BOLT,MOUNTING,9/16-18,12 POINT	12	Prop	

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THRUSH AIRCRAFT

Model: S2R-H80, S2RHG-H80

Trade Name:

Aircraft T.C./STC: A4SW

Propeller Model: HC-B4TW-3

Propeller T.C.: P40EA

IDS No.: 3104

Rev.: 6

Date: 11/21/2013

Modifier:

Engine: H80

Power: 800 HP @ 2080 RPM

Placard/Restr: Stabilized ground operation is prohibited between 400 and 1100 RPM. The propeller may be operated when feathered at or below 400 RPM.

Blade Model(s): T10282N

Prop Diameter: 103" to 102"

Prop Setup:

Ref. Radius 42"

Reverse Angle: -15.0°±.5°

Low Pitch Angle: 11.5°±.2°

Notes:

Startlock Angle: N/A

Feather/High Angle: 82.0°±.5°

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B4W10300S	HC-B4TW-3/T10282N/C-3425-P	1	A/C	Prop, less packaging
PROPELLER	B4W10300SAFM	HC-B4TW-3/T10282N/C-3425-P	1	A/C	Prop, includes packaging
PROPELLER	B4W10302S	HC-B4TW-3/T10282N/C-3425-5P	1	A/C	Prop, less packaging
PROPELLER	B4W10302SAFM	HC-B4TW-3/T10282N/C-3425-5P	1	A/C	Prop, includes packaging
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	4	Prop	
SPINNER	C-3425	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3425-5P	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3425-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	B-3384-4H	BOLT, 1/4-28, HEX HEAD	12	Prop	
SPIN MTG KIT	B-3808-4	NUT,HEX,SELF-LOCKING	12	Prop	
SPIN MTG KIT	B-3851-0463	WASHER	12	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-13	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-14	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-15H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3384-18H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional Washer
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional Washer
MTG BOLT/STUD	A-3254	STUD, MOUNTING, 9/16-18	8	Prop	
MTG BOLT/STUD	B-7458	NUT,9/16-18,HEX,SELF-LOCKING	8	Prop	
MISC ACCES	A-3044	BLOCK, BETA FEEDBACK- ASSEMBLY	1	Prop	

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TIGER

Model: AA-5A, -5B
Trade Name: CHEETA/TIGER
Aircraft T.C./STC: SA5452NM
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.2

IDS No.: 1974 **Rev.:** **Date:** 7/7/2004
Modifier: FLETCHAIR
Engine: IO-360-C1C6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: NA

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00047	HC-C2YK-1BF/F7666A-2	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	3	Prop	
GOVERNOR	F2-7A	GOVERNOR ASSEMBLY, F-2-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

TRANSAVIA

Model: PL 12/400 AIRTRUK
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8475R
Prop Diameter: 86"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.3 +-0.1

IDS No.: 1010 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: IO-720-D1BD
Power: 400 HP @ 2650 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8475R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
GOVERNOR	V3-2	GOVERNOR ASSEMBLY, V-3-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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TRANSAVIA

Model: PL-12/T-300
Trade Name:
Aircraft T.C./STC: A17NM
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468A-2R
Prop Diameter: 84" TO 83"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.0 +0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1008 **Rev.:** **Date:** 11/18/2009

Modifier:
Engine: IO-540-K1A5, -K1B5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 +-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00078	HC-C3YR-1RF/F8468A-2R	1	A/C	
PROPELLER	C3R00078KD	HC-C3YR-1RF/F8468A-2R	1	A/C	
BLADE	F8468A-2R	PCP:BLADE UNIT, ALUM [1,1,1]	3	Prop	
SPINNER	A-2295-1	SPINNER ASSEMBLY, "CNC"	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

TRANSAVIA

Model: AIRTRUK
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8475+2
Prop Diameter: 86"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1009 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: IO-540-K1A5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8475+2	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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TRI-R TECHNOLOGIES

Model: TR-4
Trade Name: KIS CRUISER
Aircraft T.C./STC: Experimental
Propeller Model: BHC-C2YF-1BF
Propeller T.C.: P-920
Blade Model(s): F7694-2
Prop Diameter: 74" TO 73"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1556 **Rev.:** **Date:** 9/12/2003

Modifier:
Engine: IO-360-ES
Power: 210 HP @ 2800 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2F00026	BHC-C2YF-1BF/F7694-2/SM19	1	A/C	
BLADE	F7694-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2295-P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-19	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-3	STUD, MOUNTING, 1/2-20	6	Prop	

TWIN COMMANDER

Model: see AERO COMMANDER
Trade Name:
Aircraft T.C./STC:
Propeller Model:
Propeller T.C.:
Blade Model(s):
Prop Diameter:

Prop Setup:

Ref. Radius:
Reverse Angle:
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1015 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine:
Power: HP @ RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle:
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

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TWIN COMMANDER

Model: 500
Trade Name:
Aircraft T.C./STC: SA01792SE
Propeller Model: HC-C3YR-2UF
Propeller T.C.: P25EA
Blade Model(s): FC8468-6R
Prop Diameter: 80

Prop Setup:

Ref. Radius: 30
Reverse Angle: N/A
Low Pitch Angle: 12.3 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2734 **Rev.:** **Date:** 3/11/2008
Modifier: HARTZELL PROPELLER INC
Engine: O-540-A4A5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes: STC converts 054-A2B to O-540-A4A5 configuration.

Startlock Angle: 18.5 +-1.5
Feather/High Angle: 85.5 +-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00215	HC-C3YR-2UF/FC8468-6R			
PROPELLER	C3R00215KD	HC-C3YR-2UF/FC8468-6R			
BLADE	FC8468-6R	PCP:BLADE,UNIT, ALUM B-3202H-2	3	Prop	
SPINNER	C-3258	SPINNER ASSEMBLY	1	Prop	
SPINNER	C-3258-P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-2	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

TWIN COMMANDER

Model: 500 SERIES
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA257CE
Propeller Model: HC-A3VK-2
Propeller T.C.: P6EA
Blade Model(s):
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2057 **Rev.:** **Date:** 11/21/2003
Modifier: CONSOLIDATED FUEL SYSTEMS
Engine: IO-540-A1A5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes: Engine is turbocharged. STC formerly held by Consolidated Fuel Systems.

Startlock Angle: NA
Feather/High Angle:
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

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TWIN COMMANDER

Model: 500 SERIES
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA257CE
Propeller Model: HC-A3MVK-2
Propeller T.C.: P6EA
Blade Model(s): MV7636N*1
Prop Diameter: 76.6"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: UNKNOWN

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV7636N*1	PCP:BLADE UNIT, ALUM [1,3,1]	3	Prop	
SPINNER	C-2513-2	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-1328	BOLT,MOUNTING,1/2-20,12 POINT	3	Prop	
MTG BOLT/STUD	A-1333-3	BOLT,MOUNTING,1/2-20,HEX HEAD	3	Prop	

IDS No.: 14 **Rev.:** 1 **Date:** 1/7/2011
Modifier: CONSOLIDATED FUEL SYSTEMS
Engine: IO-540-A1A5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes: Engine is turbocharged. STC formerly held by Consolidated Fuel Systems.

Startlock Angle: NA
Feather/High Angle: UNKNOWN
Cwt Angle: Positive

Non-HPI Governor:

TWIN COMMANDER

Model: 560
Trade Name: AERO COMMANDER
Aircraft T.C./STC: STC-SA2-89
Propeller Model: HC-A3MV20-2
Propeller T.C.: P6EA
Blade Model(s): MV8833N*1
 MV8833N-2
Prop Diameter: 86.4"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	MV8833N*1	PCP:BLADE UNIT, ALUM [1,3,1]	3	Prop	
BLADE	MV8833N-2	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	835-10S	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 27 **Rev.:** 1 **Date:** 1/7/2011
Modifier: SIGNATURE FLIGHT SUPPORT
Engine: GO-480-C1D6
Power: 295 HP @ 2182 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 83.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

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TWIN COMMANDER

Model: 690A, 690B, 690C
Trade Name: TURBO COMMANDER
Aircraft T.C./STC: STC-SA3861NM

Propeller Model: HC-B3TN-5FL, -5NL

Propeller T.C.: P15EA

Blade Model(s): LT10876ANSB-2Q
 LT10876NSB-2Q

Prop Diameter: 106.5" NO CUT OFF

Prop Setup:

Ref. Radius 42

Reverse Angle: -18.0 +-0.5

Low Pitch Angle:

IDS No.: 38 **Rev.:** 1 **Date:** 1/7/2011

Modifier: AERO AIR

Engine: TPE331-5-254K, TPE331-10T-511K, -512K, -513K, -515K, -516K

Power: 715 HP @ 1591 RPM

Placard/Restr:

Notes:

Startlock Angle: -6.0 +-0.2

Feather/High Angle: 80.0 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner: AERO AIR

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	LT10876ANSB-2Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	LT10876NSB-2Q	IDS ITEM, BLADE, 4E1601-5 BOOT	3	Prop	
SPINNER	836-57P	SPINNER ASSEMBLY	1	Prop	
SPINNER	D-7330P	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-2038-4	SCREW, 1/4-28, CAP	2	Blade	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICER	4H1601-5	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1601-5
DE-ICE KIT_PR	7931-77-023	IDS ITEM - DE-ICE KIT			
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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UNIVAIR (ERCOUPE, MOONEY)

Model: 415C, CD
Trade Name:
Aircraft T.C./STC: A718
Propeller Model: HA-12UO
Propeller T.C.:
Blade Model(s): 7214
 7214-2
 7214-2M
 7214M
 7414
 7414M
Prop Diameter: 74" TO 70"

IDS No.: 1016 **Rev.:** **Date:** 10/2/1992
Modifier:
Engine: A-65-8; C-75-12, C-85-12
Power: 65 HP @ 2300 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 2110 TO 2310 RPM

Startlock Angle: NA
Feather/High Angle: NA
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: **Non-HPI Governor:** NONE

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	7214	IDS Item	2	Prop	
BLADE	7214-2	IDS Item	2	Prop	
BLADE	7214-2M	IDS Item	2	Prop	
BLADE	7214M	IDS Item	2	Prop	
BLADE	7414	IDS Item	2	Prop	
BLADE	7414M	IDS Item	2	Prop	

UNIVERSAL

Model: T-25 MILITARY TRAINER
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YK-4BF
Propeller T.C.:
Blade Model(s): FC8475A-2
Prop Diameter: 82"

IDS No.: 1017 **Rev.:** **Date:** 3/11/2003
Modifier:
Engine: IO-540-K1A5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 12.5 +-0.1

Startlock Angle: NA
Feather/High Angle: 33.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: **Non-HPI Governor:**

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8475A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	C-2513-5	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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US-LTA

Model: 138S (airship)
Trade Name:
Aircraft T.C./STC: AS2NM
Propeller Model: HC-E3YR-7LF
Propeller T.C.: P33EA
Blade Model(s): FLC8468G-8Q
Prop Diameter: 78.75"

Prop Setup:

Ref. Radius 30
Reverse Angle: -12.0 +-0.5
Low Pitch Angle: 13.0 +-0.5

IDS No.: 1019 **Rev.:** **Date:** 3/11/2003

Modifier:
Engine: IO-540-K2A5
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FLC8468G-8Q	PCP:BLADE UNIT, ALUMINUM	3	Prop	
GOVERNOR	F6-59	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
COUNTERWEIGHT	B-3202H-22	IDS Item	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

UTVA

Model: LASTA
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YR-4CF
Propeller T.C.: P-920
Blade Model(s): FC8475-6*3
Prop Diameter: 78"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.1

IDS No.: 1025 **Rev.:** **Date:** 9/21/2004

Modifier:
Engine: AEIO-540-L1A5D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC8475-6*3	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	835-42	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V4-3	GOVERNOR ASSEMBLY, V-4-()	1	A/C	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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UTVA

Model: 66
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3Z20-1
Propeller T.C.: P-907
Blade Model(s): 10151C-5
 10151CN-5
Prop Diameter: 96"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 16.5 +-0.5

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	10151C-5	BLADE UNIT, ALUMINUM	3	Prop	
BLADE	10151CN-5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-890	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-7H	BOLT, 1/4-28, HEX HEAD	2	Blade	
MTG BOLT/STUD	A-63B	PCP:NUT, SHAFT, 20 SPLINE	1	Prop	
MTG BOLT/STUD	A-63-B	NUT,SHAFT,20 SPLINE	1	Prop	

IDS No.: 1020 Rev.: 1 Date: 1/10/2011

Modifier:
Engine: GSO-480-B1J6
Power: 340 HP @ 2182 RPM
Placard/Restr:
Notes: Engine gear ratio is 77:120

Startlock Angle: NA
Feather/High Angle: 35.0 +-1.0
Cwt Angle: POSITIVE

Non-HPI Governor:

UTVA

Model: 75-11AG
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C3YR-1RF
Propeller T.C.: P25EA
Blade Model(s): F8468-8R
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.4 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8468-8R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-4209	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V5-4	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1023 Rev.: Date: 10/2/1992

Modifier:
Engine: AEIO-540-L1B5D
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.5 +-0.5
Cwt Angle:

Non-HPI Governor:

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UTVA

Model: 75
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7666-2	IDS Item	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1022 **Rev.:** **Date:** 10/12/2006

Modifier:
Engine: IO-360-B1F
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM.

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

UTVA

Model: 75AG
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F8475D-4
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8475D-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	A-2295	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	V5-4	GOVERNOR ASSEMBLY, V-5-()	1	A/C	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1024 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: AEIO-540-L1B5D
Power: 300 HP @ 2700 RPM
Placard/Restr:

Notes:

Startlock Angle: NA
Feather/High Angle: 34.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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UTVA

Model: 95
Trade Name: LASTA
Aircraft T.C./STC: unknown
Propeller Model: HC-C2YR-4CF
Propeller T.C.: P-920
Blade Model(s): FC8475-8
Prop Diameter: 76"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 15.5+-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2866 **Rev.:** **Date:** 3/12/2010
Modifier:
Engine: AEIO-580-B1A
Power: 315 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 41.0+-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00238	HC-C2YR-4CF/FC8475-8/SM32	1	A/C	
BLADE	FC8475-8	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	S-4-3	GOVERNOR ASSEMBLY, S-4-3	1	A/C	
GOVERNOR	V4-3	GOVERNOR ASSEMBLY, V-4-()	1	A/C	
SPIN MTG KIT	A-2476-32	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-7	PCP:COUNTERWEIGHT	1	Blade	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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VALMET

Model: L-70
Trade Name: VINKA
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YR-4F
Propeller T.C.: P-920
Blade Model(s): FC7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1026 **Rev.:** **Date:** 9/21/2004

Modifier:
Engine: IO-360-A1B6; AEIO-360-A1B6
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes: "K" Flange approved.

Startlock Angle: NA
Feather/High Angle: 28.5 +-1.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	C-2513-5	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

VALMET

Model: L-90TP
Trade Name: REDIGO
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3TF-7A
Propeller T.C.: P15EA
Blade Model(s): T10173-15
T10173N-15

Prop Diameter: 85.6"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +-0.5
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1028 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: 250-B17D
Power: 420 HP @ 2030 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 84.0 +-0.5
Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10173-15	BLADE	3	Prop	
BLADE	T10173N-15	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-3640	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-3648	SPINNER - MTG KIT	1	Prop	
CWT_SLUG	B-3386-14H	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	B-3663-3	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
DE-ICE KIT_PR	7931-67-490-1	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-1328-1	BOLT,MOUNTING,1/2-20,12 POINT	6	Prop	

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Van's

Model: RV-4, -6, -7, -8

Trade Name:

Aircraft T.C./STC: Experimental

Propeller Model: HC-C2YR-1N

Propeller T.C.: P-920

Blade Model(s): N7605-4

Prop Diameter: 72"

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle: 12.1 +/-0.2

IDS No.: 2894

Rev.:

Date: 4/6/2010

Modifier:

Engine: (I)O-360 Series

Power: 180 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: 27.5 +/- 0.5

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R33000	HC-C2YR-1N/N7605-4/SM8	1	A/C	
BLADE	N7605-4	PCP:BLADE ASSY, COMPOSITE	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

VAN'S

Model: RV-10

Trade Name:

Aircraft T.C./STC: Experimental

Propeller Model: HC-C3Y1R-1N

Propeller T.C.: P25EA

Blade Model(s): N7605C

Prop Diameter: 78"

Prop Setup:

Ref. Radius 30

Reverse Angle:

Low Pitch Angle: 11.0 +/- 0.2

IDS No.: 3151

Rev.: 1

Date: 11/20/2012

Modifier:

Engine: (I)O-540-()4()5

Power: 260 HP @ 2700 RPM

Placard/Restr:

Notes:

Startlock Angle:

Feather/High Angle: 31.0 +/- 1.0

Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R62000	HC-C3Y1R-1N/N7605C/SM9	1	A/C	
BLADE	N7605C	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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VANS AIRCRAFT

Model: RV-4, 6, 7, 8
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920

Blade Model(s): F7497
 F7497*4
 F7497-2
 F7497-2*1
 F7497-2*2
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.6 +-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2604 **Rev.:** 2 **Date:** 10/19/2011

Modifier:
Engine: IO-360 & IO-390
Power: 200 HP @ 2700 RPM
Placard/Restr: For undamped 200 HP IO-360: Continuous operation is prohibited above 24 inches manifold pressure between 2350 and 2550 RPM; For IO-390: None

Notes: S-1-10 Governor is configured for .866:1 drive ratio and will control the propeller to a maximum of 2700 RPM. The C-3533-1P spinner fits Showplanes Cowling only

Startlock Angle:
Feather/High Angle: 35.0 +-2.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R10700	HC-C2YR-1BFP/F7497/SM8	1	A/C	
PROPELLER	C2R10713	HC-C2YR-1BFP/F7497[*4]/SM8	1	A/C	
PROPELLER	C2R10751	HC-C2YR-1BFP/F7497-2/SM8	1	A/C	
PROPELLER	C2R10753	HC-C2YR-1BFP/F7497-2[*1]/SM8	1	A/C	
PROPELLER	C2R10754	HC-C2YR-1BFP/F7497-2[*2]/SM8	1	A/C	New prop p/n w/ 3,1,11 scheme
BLADE	F7497	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
BLADE	F7497*4	PCP:BLADE UNIT, ALUM [3,6,4]	2	Prop	
BLADE	F7497-2	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
BLADE	F7497-2*1	PCP:BLADE UNIT, ALUM [3,6,4]	2	Prop	
BLADE	F7497-2*2	PCP:BLADE UNIT, ALUM [3,1,11]	2	Prop	
SPINNER	C-3533-1P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	S-1-10	GOVERNOR ASSEMBLY, S-1-10	1	A/C	.866:1,Rear Mnt,2700 Max RPM
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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VAN'S AIRCRAFT

Model: RV-10
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920
Blade Model(s): F8068
F8068D

Prop Diameter: 80

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.5 +/-0.2

Non-HPI Items:

Non-HPI Spinner: VAN'S

IDS No.: 2049 **Rev.:** **Date:** 9/12/2008

Modifier:
Engine: IO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 31.0 +/-1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00780	HC-C2YR-1BF/F8068/SM8	1	A/C	
PROPELLER	C2R00800	HC-C2YR-1BF/F8068D/SM8	1	A/C	
PROPELLER	C2R10800	HC-C2YR-1BFP/F8068D/SM8	1	A/C	
BLADE	F8068	PCP:BLADE UNIT, ALUM [1,1,5]	2	Prop	VIBE SURVEY ONLY
BLADE	F8068D	PCP:BLADE UNIT, ALUM [6,1,5]	2	Prop	
GOVERNOR	S-1-32	GOVERNOR ASSEMBLY, S-1-32	1	A/C	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

VAN'S AIRCRAFT

Model: RV-10
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YR-1N
Propeller T.C.: P25EA

Blade Model(s): N7605
Prop Diameter: 78"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 11.0 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2842 **Rev.:** **Date:** 3/31/2010

Modifier:
Engine: (I)O-540-()4()5
Power: 260 HP @ 2700 RPM
Placard/Restr: (I)O-540-()4()5 engines with 8.5:1. Not compatible with Electronic Ignition or FADEC
Notes: -

Startlock Angle:
Feather/High Angle: 31.0 +/- 1.0
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R21000	HC-C3YR-1N/N7605/SM9	1	A/C	
BLADE	N7605	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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VAN'S AIRCRAFT

Model: RV-10
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YR-1N
Propeller T.C.: P25EA

Blade Model(s): N7605C
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 11.0 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R61000	HC-C3YR-1N/N7605C/SM9	1	A/C	
BLADE	N7605C	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	

IDS No.: 3124 **Rev.:** **Date:** 1/6/2012

Modifier:
Engine: (I)O-540-()4()5
Power: 260 HP @ 2700 RPM
Placard/Restr: (I)O-540-()4()5 engines with 8.5:1. Not compatible with Electronic Ignition or FADEC

Notes:

Startlock Angle:
Feather/High Angle: 31.0 +/- 1.0
Cwt Angle:

Non-HPI Governor:

VAN'S AIRCRAFT

Model: RV-3
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F7663-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.1 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

IDS No.: 1030 **Rev.:** **Date:** 5/10/2005

Modifier:
Engine: O-320-D1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.5 +/-1.0
Cwt Angle:

Non-HPI Governor:

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VAN'S AIRCRAFT

Model: RV-4,-6,-7,-8,-9
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-M2YR-1BFP
Propeller T.C.: P43GL

Blade Model(s): F7497
F7499
Prop Diameter: 74" to 72"

Prop Setup:

Ref. Radius 30
Reverse Angle:
Low Pitch Angle: 13.6 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	M2R20002	HC-M2YR-1BFP/F7497/SM8	1	A/C	
BLADE	F7497	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
BLADE	F7499	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2569 **Rev.:** **Date:** 10/31/2006
Modifier: JAMES AIRCRAFT
Engine: IO-390 & IO-360
Power: 210 HP @ 2700 RPM
Placard/Restr: For undamped 200 HP IO-360: Continuous operation is prohibited above 24 inches manifold pressure between 2350 and 2550 RPM; For damped IO-360 and IO-390: None
Notes: S-1-10 governor is configured for .866:1 drive ratio and will control the propeller to a maximum of 2700 RPM.

Startlock Angle:
Feather/High Angle: 35.0 +-2.0
Cwt Angle:

Non-HPI Governor:

VAN'S AIRCRAFT

Model: RV-4
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F7663-4
Prop Diameter: 72"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 11.1 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00040	HC-C2YL-1BF/F7663-4/SM8	1	A/C	
BLADE	F7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	S-1-10	GOVERNOR ASSEMBLY, S-1-10	1	A/C	.866:1,Rear Mnt,2700 Max RPM
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING,7/16-20,DRILLED	6	Prop	

IDS No.: 1173 **Rev.:** **Date:** 4/5/2006
Modifier:
Engine: O-320 SERIES
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes: S-1-10 Governor is configured for .866:1 drive ratio and will control the propeller to a maximum of 2700 RPM.

Startlock Angle: NA
Feather/High Angle: 38.5 +-1.0
Cwt Angle:

Non-HPI Governor:

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VAN'S AIRCRAFT

Model: RV-4
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920
Blade Model(s): F7068-2
Prop Diameter: 68.0" TO 67.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00013	HC-C2YR-1BF/F7068-2/SM8	1	A/C	
BLADE	F7068-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1513 **Rev.:** **Date:** 5/10/2005

Modifier:
Engine: O-360 SERIES
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

VAN'S AIRCRAFT

Model: RV-4
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YL-1F
Propeller T.C.: P27EA
Blade Model(s): F7663-4
Prop Diameter: 72.0" TO 70.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.1 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2L00030	HC-F2YL-1F/F7663-4/SM8	1	A/C	
BLADE	F7663-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

IDS No.: 1031 **Rev.:** **Date:** 5/10/2005

Modifier:
Engine: O-320-D1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 38.5 +-1.0
Cwt Angle:

Non-HPI Governor:

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VAN'S AIRCRAFT

Model: RV-4
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA

Blade Model(s): F7666A-4
Prop Diameter: 72" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2R00040	HC-F2YR-1F/F7666A-4/SM8	1	A/C	
BLADE	F7666A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1376 **Rev.:** **Date:** 8/26/2006

Modifier:
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

VAN'S AIRCRAFT

Model: RV-4
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA
Blade Model(s): F7068-2
Prop Diameter: 68.0" TO 67.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2R00072	HC-F2YR-1F/F7068-2/SM8	1	A/C	
BLADE	F7068-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1399 **Rev.:** **Date:** 5/10/2005

Modifier:
Engine: O-360 SERIES
Power: 180 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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VAN'S AIRCRAFT

Model: RV-4, -6, -7, -8
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BF
Propeller T.C.: P-920

IDS No.: 1905 **Rev.:** 1 **Date:** 1/25/2011

Modifier:
Engine: (I)O(F)-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: DO NOT OPERATE ABOVE 22 INCHES MP BELOW 2350 RPM. O-360-A1A: OPERATION ABOVE 2600 RPM IS LIMITED TO TAKEOFF, IOF-360-A1A: MAXIMUM ENGINE SPEED LIMITED TO 2650 RPM.

Blade Model(s): F7496
 F7496*1
 F7496-2
 F7496-2*1
Prop Diameter: 74" TO 72"

Notes: O-360-A1A OR SIMILAR MAY HAVE LIGHTSPEED PLASMA II ELECTRONIC IGNITION. IOF-360-A1A OR SIMILAR EQUIPPED WITH AEROSANCE FADEC..... "Effective Aug 14, 2003, propellers listed on this Installation Data Sheet are no longer active for new production. See IDS 2330 for new production propellers having a "P" suffix in the propeller hub model (i.e. HC-C2YR-1BFP)"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +- 0.2

Startlock Angle: NA
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: VAN'S

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00603	HC-C2YR-1BF/F7496/SM8	1	A/C	
PROPELLER	C2R00620	HC-C2YR-1BF/F7496[*1]/SM8	1	A/C	
PROPELLER	C2R00650	HC-C2YR-1BF/F7496-2/SM8	1	A/C	
PROPELLER	C2R00660	HC-C2YR-1BF/F7496-2[*1]/SM8	1	A/C	
BLADE	F7496	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
BLADE	F7496*1	PCP:BLADE UNIT, ALUM [3,1,11]	2	Prop	
BLADE	F7496-2	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
BLADE	F7496-2*1	PCP:BLADE UNIT, ALUM [3,1,11]	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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VAN'S AIRCRAFT

Model: RV-4,-6,-7,-8
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1BFP
Propeller T.C.: P-920

IDS No.: 2330 **Rev.:** 1 **Date:** 1/20/2011

Modifier:
Engine: (I)O(F)-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: DO NOT OPERATE ABOVE 22 INCHES MP BELOW 2350 RPM. O-360-A1A: OPERATION ABOVE 2600 RPM IS LIMITED TO TAKEOFF, IOF-360-A1A: MAXIMUM ENGINE SPEED LIMITED TO 2650 RPM.

Blade Model(s): F7496
 F7496*1
 F7496-2
 F7496-2*1
Prop Diameter: 74" TO 72"

Notes: O-360-A1A OR SIMILAR MAY HAVE LIGHTSPEED PLASMA II ELECTRONIC IGNITION. IOF-360-A1A OR SIMILAR EQUIPPED WITH AEROSANCE FADEC; S-1-10 Governor is configured for .866:1 drive ratio and will control the propeller to a maximum of 2700 RPM.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +- 0.2

Startlock Angle: NA
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: VAN'S

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R10000	HC-C2YR-1BFP/F7496/SM8	1	A/C	
PROPELLER	C2R10200	HC-C2YR-1BFP/F7496[*1]/SM8	1	A/C	
PROPELLER	C2R10400	HC-C2YR-1BFP/F7496-2/SM8	1	A/C	
PROPELLER	C2R10600	HC-C2YR-1BFP/F7496-2[*1]/SM8	1	A/C	
BLADE	F7496	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
BLADE	F7496*1	PCP:BLADE UNIT, ALUM [3,1,11]	2	Prop	
BLADE	F7496-2	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
BLADE	F7496-2*1	PCP:BLADE UNIT, ALUM [3,1,11]	2	Prop	
SPINNER	A-2295-P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	S-1-10	GOVERNOR ASSEMBLY, S-1-10	1	A/C	.866:1,Rear Mnt,2700 Max RPM
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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VAN'S AIRCRAFT

Model: RV-4,-6,-7,-8,-9
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-M2YR-1BFP
Propeller T.C.: P43GL

IDS No.: 2536 **Rev.:** **Date:** 7/20/2005
Modifier: JAMES AIRCRAFT
Engine: (I)O(F)-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Do not operate above 22 inches MP below 2350 RPM. O-360-A1A: Operation above 2600 RPM limited to takeoff, IOF-360-A1A: Maximum engine speed limited to 2650 RPM.

Blade Model(s): F7496
 F7496*1
 F7496-2
 F7496-2*1

Notes: O-360-A1A or similar may have Lightspeed Plasma II Electronic Ignition. IOF-360-A1A or similar equipped with Aerosance FADEC; Aircraft has a modified cowl.

Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +- 0.2

Startlock Angle: NA
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: VAN'S

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	M2R10000	HC-M2YR-1BFP/F7496/SM8	1	A/C	
PROPELLER	M2R10050	HC-M2YR-1BFP/F7496[*1]/SM8	1	A/C	
PROPELLER	M2R10100	HC-M2YR-1BFP/F7496-2/SM8	1	A/C	
PROPELLER	M2R10150	HC-M2YR-1BFP/F7496-2[*1]/SM8	1	A/C	
BLADE	F7496	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
BLADE	F7496*1	PCP:BLADE UNIT, ALUM [3,1,11]	2	Prop	
BLADE	F7496-2	PCP:BLADE UNIT, ALUM [6,1,11]	2	Prop	
BLADE	F7496-2*1	PCP:BLADE UNIT, ALUM [3,1,11]	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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VAN'S AIRCRAFT

Model: RV-4, 6, 7, 8, 9
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-1N
Propeller T.C.: P-920

Blade Model(s): N7605
 N7605-2
Prop Diameter: 76-74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -
Low Pitch Angle: 10.0 +/- 0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R31053	HC-C2YR-1N/N7605/SM8	1	A/C	
PROPELLER	C2R32000	HC-C2YR-1N/N7605-2/SM8	1	A/C	
BLADE	N7605	PCP:BLADE ASSY, COMPOSITE	2	Prop	
BLADE	N7605-2	PCP:BLADE ASSY, COMPOSITE	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2848 **Rev.:** **Date:** 4/6/2010

Modifier:
Engine: (I)O-360
Power: 180 HP @ 2700 RPM
Placard/Restr: (I)O-360 180 Hp with 8.5:1 or IO-360-(I)1()6
 200 Hp with 8.7:1 only. Not compatible with
 Electronic Ignition or FADEC.

Notes:

Startlock Angle: -
Feather/High Angle: 27.5 +/- 0.5
Cwt Angle: -

Non-HPI Governor:

VAN'S AIRCRAFT

Model: RV-6
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YR-4CF
Propeller T.C.: P-920
Blade Model(s): FC7666A-2
 FC7666A-4

Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2R00231	HC-C2YR-4CF/FC7666A-2/SM8	1	A/C	
BLADE	FC7666A-2	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
BLADE	FC7666A-4	PCP:BLADE UNIT, B-3202H-6 CWT	2	Prop	
SPINNER	836-60	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-60P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	B-3202H-6	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1033 **Rev.:** **Date:** 5/5/2005

Modifier:
Engine: IO-360 SERIES
Power: 200 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +/-1.0
Cwt Angle:

Non-HPI Governor:

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VAN'S AIRCRAFT

Model: RV-6
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YK-1BFP
Propeller T.C.: P-920

Blade Model(s): F7666A-2
 F7666A-4
Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.1 +-0.2

Non-HPI Items:

Non-HPI Spinner: VAN'S

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K10500	HC-C2YK-1BFP/F7666A-2/SM8	1	A/C	
PROPELLER	C2K10700	HC-C2YK-1BFP/F7666A-4/SM8	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F7666A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 2331 **Rev.:** **Date:** 5/6/2005

Modifier:
Engine: (I)O-360-A1A
Power: 200 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM. Operation above 2600 RPM limited to takeoff only. Propeller blades are life limited and must be retired upon reaching 8700 hours.

Notes: O-360-A1A or similar rated at 180 HP @ 2700 RPM equipped with Lightspeed Plasma II Electronic Ignition.

Startlock Angle: NA
Feather/High Angle: 37.5 +-1.0
Cwt Angle:

Non-HPI Governor:

VAN'S AIRCRAFT

Model: RV-6
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YL-1F
Propeller T.C.: P27EA
Blade Model(s): F7663D-4
 F7663D-6Q

Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	F2L00065	HC-F2YL-1F/F7663D-6Q/SM8	1	A/C	
BLADE	F7663D-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F7663D-6Q	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

IDS No.: 1363 **Rev.:** **Date:** 5/5/2005

Modifier:
Engine: (I)O-320
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 30.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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VAN'S AIRCRAFT

Model: RV-6
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA

Blade Model(s): F7666A-4
Prop Diameter: 72" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F7666A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1375 **Rev.:** **Date:** 8/26/2006

Modifier:
Engine: O-360-A1A
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

VAN'S AIRCRAFT

Model: RV-6
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F2YR-1F
Propeller T.C.: P27EA

Blade Model(s): F7666A-2
Prop Diameter: 74"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F2R00033	HC-F2YR-1F/F7666A-2/SM4	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1733 **Rev.:** **Date:** 8/26/2006

Modifier:
Engine: O-360 SERIES
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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VAN'S AIRCRAFT

Model: RV-6
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-M2YR-1BF
Propeller T.C.: P43GL

Blade Model(s): F7666A-2
Prop Diameter: 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.1 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	M2R00033	HC-M2YR-1BF/F7666A-2/SM8	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1408 **Rev.:** **Date:** 8/26/2006

Modifier:
Engine: O-360 SERIES
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2000 and 2250 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 37.5 +-1.0
Cwt Angle:

Non-HPI Governor:

VAN'S AIRCRAFT

Model: RV-6
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F7666A-2
 F7666A-4

Prop Diameter: 74" TO 72"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.1 +0.2

Non-HPI Items:

Non-HPI Spinner: VAN'S

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00043	HC-C2YK-1BF/F7666A-2/SM8	1	A/C	
PROPELLER	C2K00060	HC-C2YK-1BF/F7666A-4/SM8	1	A/C	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F7666A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	S-1-10	GOVERNOR ASSEMBLY, S-1-10	1	A/C	.866:1,Rear Mnt,2700 Max RPM
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1032 **Rev.:** **Date:** 6/14/2007

Modifier:
Engine: (I)O-360-A1A
Power: 200 HP @ 2700 RPM
Placard/Restr:

Notes: S-1-10 Governor is configured for .866:1 drive ratio and will control the propeller to a maximum of 2700 RPM.

Startlock Angle: NA
Feather/High Angle: 31.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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VAN'S AIRCRAFT

Model: RV-6, -8
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YF-1BF
Propeller T.C.: P-920
Blade Model(s): F8459-4
 F8459A-4
Prop Diameter: 80"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 9.5 +-0.1

IDS No.: 1537 **Rev.:** **Date:** 5/5/2005

Modifier:
Engine: 6A-350-C1, -C2
Power: 215 HP @ 2800 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: VAN'S

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8459-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F8459A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F4-9	IDS Item	1	A/C	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

VAN'S AIRCRAFT

Model: RV-8
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F7666A
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 12.0 +-0.2

IDS No.: 1544 **Rev.:** **Date:** 5/5/2005

Modifier:
Engine: IO-360-B SERIES
Power: 180 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2100 and 2250 RPM
Notes:

Startlock Angle: NA
Feather/High Angle: 37.5 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner: VAN'S

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00039	HC-C2YK-1BF/F7666A/SM8	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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VAN'S AIRCRAFT

Model: RV-8
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-M2YR-1BF
Propeller T.C.: P43GL

Blade Model(s): F7666A
Prop Diameter: 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	M2R00029	HC-M2YR-1BF/F7666A/SM8	1	A/C	
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPIN MTG KIT	A-2476-8	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1540 **Rev.:** **Date:** 5/10/2005

Modifier:
Engine: IO-360-A1B6
Power: 200 HP @ 2700 RPM
Placard/Restr: Avoid continuous operation between 2100 and 2350 RPM

Notes:

Startlock Angle: NA
Feather/High Angle: 37.5 +-1.0
Cwt Angle:

Non-HPI Governor:

VIKING AIR, LTD.

Model: TRIDENT TR-1
Trade Name:
Aircraft T.C./STC: A19EA
Propeller Model: HC-H3YF-3LF
Propeller T.C.: P35EA
Blade Model(s): FLC9684-12
Prop Diameter: 84.0" TO 83.0"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +-0.5
Low Pitch Angle: 19.0 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	H3F00022	HC-H3YF-3LF/FLC9684-12/SM9	1	A/C	
BLADE	FLC9684-12	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	D-4247	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-30L	IDS Item	1	A/C	
SPIN MTG KIT	A-2476-9	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	833-32	PCP:COUNTERWEIGHT UNIT	1	Blade	Blade Component
MTG BOLT/STUD	A-2429-4	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1012 **Rev.:** **Date:** 6/6/2006

Modifier:
Engine: 6-285-C4
Power: 285 HP @ 2000 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 36.0 +-0.5
Cwt Angle:

Non-HPI Governor:

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VULCANAIR

Model: P68
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C3YR-2C
Propeller T.C.: P25EA
Blade Model(s): C7690J
Prop Diameter: 78"

IDS No.: 2636 **Rev.:** 2 **Date:** 12/19/2012
Modifier:
Engine: SR305
Power: 230 HP @ 2200 RPM
Placard/Restr:
Notes: Air Charge Pressure per Decal CPR-41.
Refer to Manual 145 for Airworthiness
Limitations.

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 14.8 +-0.2

Startlock Angle: 20.3 +-1.5
Feather/High Angle: 82.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R01000	HC-C3YR-2C/C7690J/SM6	2	A/C	
BLADE	C7690J	PCP:BLADE ASSY, COMPOSITE	3	Prop	
SPINNER	101298	SPINNER ASSEMBLY, COMPOSITE	1	Prop	Composite/Alum.
GOVERNOR	V-1-15L	GOVERNOR ASSEMBLY, V-(1,2)-()	1	Prop	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	101571	PCP:CLAMP, COUNTERWEIGHT	1	Blade	Blade Component
CWT_SLUG	101570	SLUG	2	Blade	Blade Component
CWT_SLUG	A-1744	BOLT,3/8-24,HEX HEAD	2	Blade	Blade Component
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	2	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

VULCANAIR (PARTENAVIA)

Model: P.64B
Trade Name: Oscar 180, Oscar 200
Aircraft T.C./STC: unknown
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

IDS No.: 2828 **Rev.:** **Date:** 1/7/2009
Modifier:
Engine: O-360-A1A, IO-360-A1B
Power: 180 HP @ 2700 RPM
Placard/Restr: 180 HP: Avoid continuous operation
between 2000 and 2250 RPM.200 HP:
Avoid continuous operation between 2000
and 2350 RPM.
Notes: Oscar 200 uses the IO-360-A1B engine
(200 HP)

Blade Model(s): F7666A-2
Prop Diameter: 74-72

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 14.0 +-0.1

Startlock Angle:
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00045	HC-C2YK-1BF/F7666A-2			
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
SPINNER	835-33P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F2-7A	GOVERNOR ASSEMBLY, F-2-()	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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VULCANAIR (PARTENAVIA)

Model: P68, P68B, P68C
Trade Name: OBSERVER
Aircraft T.C./STC: A31EU
Propeller Model: HC-C2YK-2CUF
Propeller T.C.: P-920

IDS No.: 709 **Rev.:** 1 **Date:** 8/12/2011
Modifier:
Engine: IO-360-A1B, -A1B6
Power: 200 HP @ 2700 RPM
Placard/Restr: IO-360-A1B - Avoid continuous operation between 2000 and 2350 RPM. IO-360-A1B6 - None.

Blade Model(s): FC7666A-4*1
 FC7666AB-4*1
Prop Diameter: 72" NO CUT OFF

Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.2 +/-0.2

Startlock Angle: 20.0 +/-1.5
Feather/High Angle: 81.2 +/- 0.3
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00480	HC-C2YK-2CUF/FC7666A-4[*1]	2	A/C	
PROPELLER	C2K00485	HC-C2YK-2CUF/FC7666AB-4[*1]	2	A/C	
BLADE	FC7666A-4*1	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
BLADE	FC7666AB-4*1	PCP:BLADE UNIT, B3202H-4 CWT	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F6-3A	GOVERNOR ASSEMBLY, F-6-()	2	A/C	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
DE-ICER	4H1188-4	DE-ICE BOOT	1	Blade	Supersedes 7931-4E1188-4
DE-ICE KIT_PR	7931-65-580	IDS ITEM - DE-ICE KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

VULCANAIR (PARTENAVIA)

Model: P68C-TC
Trade Name: OBSERVER
Aircraft T.C./STC: A31EU
Propeller Model: HC-C2YR-2CUF
Propeller T.C.: P-920
Blade Model(s): FC7666A*2
Prop Diameter:

IDS No.: 1309 **Rev.:** **Date:** 7/6/1998
Modifier:
Engine: T(I)O-360-C1A6D
Power: 210 HP @ 2575 RPM
Placard/Restr:
Notes:

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +/-0.1

Startlock Angle: 21.0 +/-1.5
Feather/High Angle: 81.0 +/-0.5
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor: WOODWARD

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	FC7666A*2	PCP:BLADE UNIT, B-3202H-4 CWT	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-29P	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-4	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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VULCANAIR (PARTENAVIA)

Model: P68C-TC, P68TC
Trade Name: OBSERVER
Aircraft T.C./STC: A31EU
Propeller Model: HC-C2YK-2CUF
Propeller T.C.: P-920

Blade Model(s): FC7666A
Prop Diameter: 76" TO 75"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 15.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C2K00470	HC-C2YK-2CUF/FC7666A	2	A/C	
BLADE	FC7666A	PCP:BLADE UNIT, B-3202H-9 CWT	2	Prop	
SPINNER	836-29	SPINNER ASSEMBLY	1	Prop	
COUNTERWEIGHT	B-3202H-9	PCP:COUNTERWEIGHT	1	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 710 **Rev.:** **Date:** 2/20/2007

Modifier:
Engine: TIO-360-C1A6D, TO-360-C1A6D
Power: 210 HP @ 2575 RPM
Placard/Restr: Do not operate above 36 inches manifold pressure at engine speeds below 2400 RPM.

Notes:

Startlock Angle: 22.5 +-2.5
Feather/High Angle: 81.0 +-0.5
Cwt Angle:

Non-HPI Governor: WOODWARD

VULCANAIR (PARTENAVIA)

Model: AP68TP-300, -600
Trade Name: SPARTACUS (VIATOR, -600)
Aircraft T.C./STC: A31EU
Propeller Model: HC-B3TF-7A
Propeller T.C.: P15EA
Blade Model(s): T10173F-21R
T10173FN-21R

Prop Diameter: 80" TO 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle: -11.0 +-0.5
Low Pitch Angle:

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	B3F10069	HC-B3TF-7A/T10173FN-21R	2	A/C	
PROPELLER	B3F10069S	HC-B3TF-7A/T10173FN-21R/A-3640	2	A/C	
BLADE	T10173F-21R	BLADE	3	Prop	
BLADE	T10173FN-21R	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	A-3640	SPINNER ASSEMBLY	2	A/C	
SPINNER	A-3640-P	SPINNER ASSEMBLY	2	A/C	
SPIN MTG KIT	A-3648	SPINNER - MTG KIT	1	Prop	
CWT_SLUG	B-3386-14H	BOLT, 3/8-24, HEX HEAD	2	Blade	
CWT_SLUG	B-3663-3	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3834-0632	WASHER	2	Blade	
MTG BOLT/STUD	A-1328-1	BOLT, MOUNTING, 1/2-20, 12 POINT	6	Prop	
MISC ACCES	C-3630-2	PCP:BETA VALVE - ASSEMBLY	1	Prop	

IDS No.: 711 **Rev.:** 1 **Date:** 1/7/2011

Modifier:
Engine: 250-B17C
Power: 330 HP @ 2030 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 85.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor: WOODWARD

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WALLAROO

Model: WALLAROO 605
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-B3TN-3D
Propeller T.C.: P15EA
Blade Model(s): T10282
T10282N
Prop Diameter: 102.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: -15.0 +-0.5
Low Pitch Angle: 21.0 +-0.1

IDS No.: 1039 **Rev.:** 2 **Date:** 6/4/2013

Modifier:
Engine: PT6A-27
Power: 620 HP @ 2200 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 87.0 +-1.0
Cwt Angle: -1.0 TO POS.

Non-HPI Items:

Non-HPI Spinner: NONE

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282	BLADE	3	Prop	
BLADE	T10282N	PCP:BLADE UNIT, ALUMINUM	3	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

WASSMER

Model: SUPER 421
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-4
Prop Diameter: 80"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 13.0 +-0.1

IDS No.: 1040 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: IO-540-C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 32.0 +-2.0
Cwt Angle:

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
SPINNER	835-33	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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WASSMER

Model: CE.43
Trade Name: CERVA CE.43 GUEPARD
Aircraft T.C./STC: Unknown
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920
Blade Model(s): F8477-7
Prop Diameter: 77" TO 76"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 14.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00175	HC-C2YK-1BF/F8477-7	1	A/C	
BLADE	F8477-7	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1041 **Rev.:** **Date:** 5/8/2006

Modifier:
Engine: IO-540
Power: 250 HP @ 2575 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 29.0 +-1.0
Cwt Angle:

Non-HPI Governor:

WASSMER

Model: 52
Trade Name: EUROPA
Aircraft T.C./STC: 126 (FRANCE)
Propeller Model: HC-C2YL-1BF
Propeller T.C.: P-920
Blade Model(s): F7663A-4
Prop Diameter: 72

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 12.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2L00044	HC-C2YL-1BF/F7663A-4	1	A/C	
BLADE	F7663A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

IDS No.: 2487 **Rev.:** **Date:** 6/16/2004

Modifier:
Engine: O-320-D
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle:
Feather/High Angle: 27.0 +-2.0
Cwt Angle:

Non-HPI Governor: WOODWARD B210681

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WASSMER (CERVA)

Model: CE43
Trade Name: CHEETAH
Aircraft T.C./STC: 137 (France)
Propeller Model: HC-C2YK-1BF
Propeller T.C.: P-920

Blade Model(s): F8477-4
Prop Diameter: 80-77

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 13.0 +/-0.2

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 2715 **Rev.:** **Date:** 6/14/2007

Modifier:
Engine: IO-540-C4B5
Power: 250 HP @ 2575 RPM
Placard/Restr: Avoid continuous operation between 2250 and 2550 RPM during descent with the manifold pressure below 380 mm (15 inches) Hg. (Source: TCDS no. 137)

Notes:

Startlock Angle:
Feather/High Angle: 30.5 +/-0.5
Cwt Angle:

Non-HPI Governor: Woodward 210460

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C2K00176	HC-C2YK-1BF/F8477-4	1	A/C	
BLADE	F8477-4	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

WDL FLUGDIENST

Model: AIRSHIP
Trade Name:
Aircraft T.C./STC: Unknown
Propeller Model: BHC-92WF-3G
Propeller T.C.: P16EA
Blade Model(s): W8447-6R
W8447N-6R

Prop Diameter:

Prop Setup:

Ref. Radius: 30
Reverse Angle: -13.0 +/-0.5
Low Pitch Angle: 8.75 +/-0.5

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1042 **Rev.:** **Date:** 7/26/2004

Modifier:
Engine: IO-360-CB
Power: 210 HP @ 2800 RPM
Placard/Restr:
Notes: *Hand tighten until stud bottoms on spinner support, then back out 1/4 turn.

Startlock Angle: NA
Feather/High Angle: 21.0 +/-0.5
Cwt Angle:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	W8447-6R	BLADE UNIT, ALUMINUM	2	Prop	REPLACED BY W8447N-6R
BLADE	W8447N-6R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
GOVERNOR	F6-19	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
CWT_SLUG	A-619-6	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	B-3384-21	IDS Item	2	Blade	
MTG BOLT/STUD	A-2986	STUD, MOUNTING, 1/2-20	6	Prop	

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WEATHERLY

Model: 201B, C
Trade Name:
Aircraft T.C./STC: STC-SA73RM
Propeller Model: HC-B3R30-1
Propeller T.C.: P28EA
Blade Model(s): R10152-5.5
R10152N-5.5
R10160-6
R10160N-6

Prop Diameter: 95, 95.5"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1044 **Rev.:** 1 **Date:** 1/10/2011

Modifier: RON'S AIR SERVICE

Engine: R-985

Power: 450 HP @ 2300 RPM

Placard/Restr:

Notes: STC also specifies Z, P and W shanks, which are not valid models. Angles are for R10152-5.5 blade.

Startlock Angle:

Feather/High Angle:

Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	R10152-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	REPLACED BY R10152N-5.5
BLADE	R10152N-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
BLADE	R10160-6	PCP:BLADE UNIT, ALUMINUM	3	Prop	REPLACED BY R10160N-6
BLADE	R10160N-6	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

WEATHERLY

Model: 201C
Trade Name:
Aircraft T.C./STC: A10WE
Propeller Model: HC-B3R30-4
Propeller T.C.: P28EA
Blade Model(s): R10152-5.5
R10152N-5.5
Prop Diameter: 95.5" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1169 **Rev.:** 1 **Date:** 1/10/2011

Modifier:

Engine: R985-AN1, AN-3, AN-1-14B

Power: 450 HP @ 2300 RPM

Placard/Restr:

Notes: These propellers must use Aeroshell #5 grease.

Startlock Angle: NA

Feather/High Angle: 25.0 +-1.0

Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3300076	HC-B3R30-4B/R10152N-5.5	1	A/C	
BLADE	R10152-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	REPLACED BY R10152N-5.5
BLADE	R10152N-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-32PR	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C4	GOVERNOR ASSEMBLY, C-4-()	1	A/C	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

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WEATHERLY

Model: 201C
Trade Name:
Aircraft T.C./STC: A10WE
Propeller Model: HC-B3R30-4
Propeller T.C.: P28EA

Blade Model(s): R10160-6
R10160N-6
Prop Diameter: 96.0" TO 95.0"

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 17.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3300060S	HC-B3R30-4/R10160N-6/836-32PR	1	A/C	
BLADE	R10160-6	PCP:BLADE UNIT, ALUMINUM	3	Prop	REPLACED BY R10160N-6
BLADE	R10160N-6	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-32PR	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C4	GOVERNOR ASSEMBLY, C-4-()	1	A/C	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

IDS No.: 1365 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: R985-AN1, AN-3, AN-1-14B
Power: 450 HP @ 2300 RPM
Placard/Restr: Static RPM at maximum throttle setting not over 2300 RPM; not under 2200 RPM.
Notes: These propellers just use Aeroshell #5 grease.

Startlock Angle: NA
Feather/High Angle: 25.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

WEATHERLY

Model: 620
Trade Name:
Aircraft T.C./STC: A26WE
Propeller Model: HC-B3R30-4
Propeller T.C.: P28EA
Blade Model(s): R10152-5.5
R10152N-5.5

Prop Diameter: 95.5" NO CUT OFF

Prop Setup:

Ref. Radius 30
Reverse Angle: NA
Low Pitch Angle: 16.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3300050	HC-B3R30-4/R10152N-5.5	1	A/C	
BLADE	R10152-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	REPLACED BY R10152N-5.5
BLADE	R10152N-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-32PR	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-32PRB	IDS Item	1	Prop	
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-32SPRB	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

IDS No.: 1045 **Rev.:** 1 **Date:** 1/10/2011

Modifier:
Engine: R985-AN-1, AN-3, AN-14B
Power: 450 HP @ 2300 RPM
Placard/Restr:
Notes:

Startlock Angle: NA
Feather/High Angle: 28.0 +-1.0
Cwt Angle: Positive

Non-HPI Governor:

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WEATHERLY

Model: 620A, 620B

Trade Name:

Aircraft T.C./STC: A26WE

Propeller Model: HC-B3R30-4B

Propeller T.C.: P28EA

Blade Model(s): R10152-5.5

R10152N-5.5

Prop Diameter: 95.5" NO CUT OFF

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 16.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

IDS No.: 1170

Rev.: 1

Date: 1/10/2011

Modifier:

Engine: R985-AN-1, AN-3, AN-14B

Power: 450 HP @ 2300 RPM

Placard/Restr: Static RPM at maximum throttle setting not over 2300 RPM not under 2200 RPM. These propellers must use Aeroshell #5 grease.

Notes:

Startlock Angle: NA

Feather/High Angle: 28.0 +-1.0

Cwt Angle: Positive

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	B3300079	HC-B3R30-4B/R10152N-5.5	1	A/C	
BLADE	R10152-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	REPLACED BY R10152N-5.5
BLADE	R10152N-5.5	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	836-32PR	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-32PRB	IDS Item	1	Prop	
SPINNER	836-32SPR	SPINNER ASSEMBLY	1	Prop	
SPINNER	836-32SPRB	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	C4	GOVERNOR ASSEMBLY, C-4()	1	A/C	
COUNTERWEIGHT	B-3309-4	IDS Item	1	Blade	
COUNTERWEIGHT	B-3309-4B	IDS Item	1	Blade	
MTG BOLT/STUD	B-1894	NUT,SHAFT,30 SPLINE	1	Prop	

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WEATHERLY

Model: 620TP

Trade Name:

Aircraft T.C./STC: A26WE

Propeller Model: HC-B3TN-3C

Propeller T.C.: P15EA

Blade Model(s): T10282-2
T10282-6
T10282N-2
T10282N-6

Prop Diameter: 96.0" TO 92.0"

Prop Setup:

Ref. Radius 30

Reverse Angle: -8.0 +-0.5

Low Pitch Angle: 16.0 +-0.5

IDS No.: 1046

Rev.: 2

Date: 6/4/2013

Modifier:

Engine: PT6A-11AG

Power: 500 HP @ 2200 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 90.0 +-0.5

Cwt Angle: Positive

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	T10282-2	IDS*ITEM, BLADE	3	Prop	
BLADE	T10282-6	IDS*ITEM, BLADE	3	Prop	
BLADE	T10282N-2	IDS ITEM, BLADE	3	Prop	
BLADE	T10282N-6	IDS ITEM, BLADE	3	Prop	
SPINNER	D-3434-6	SPINNER ASSEMBLY	1	Prop	
CWT_SLUG	A-3039	SLUG, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-890-6	PCP:SLUG, COUNTERWEIGHT	1	Blade	Primary
CWT_SLUG	A-890-8	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	A-890-9	PCP:SLUG, COUNTERWEIGHT	1	Blade	Alternate
CWT_SLUG	B-3384-21H	BOLT, 1/4-28, HEX HEAD	2	Blade	
CWT_SLUG	B-3851-0432	WASHER	2	Blade	Optional
CWT_SLUG	B-3851-0463	WASHER	2	Blade	Optional
MTG BOLT/STUD	B-3339	BOLT,MOUNTING,9/16-18,12 POINT	8	Prop	

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WHEELER TECHNOLOGY INC.

Model: EXPRESS

Trade Name:

Aircraft T.C./STC: Experimental

Propeller Model: HC-C2YK-1BF

Propeller T.C.: P-920

Blade Model(s): F7666A
F7666A-2
F7666A-4

Prop Diameter: 72" NO CUT OFF

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 12.1 +0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F7666A	PCP:BLADE UNIT, ALUM [1,1,1]	2	Prop	
BLADE	F7666A-2	PCP:BLADE UNIT, ALUMINUM	2	Prop	
BLADE	F7666A-4	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPIN MTG KIT	A-2476-4	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1364

Rev.:

Date: 6/6/1994

Modifier: EXPERIMENTAL AIRCRAFT
TECHNOLOGY

Engine: O-360

Power: 180 HP @ 2700 RPM

Placard/Restr: Avoid continuous operation between 2000 to 2250 RPM.

Notes:

Startlock Angle: NA

Feather/High Angle: 37.5 +-1.0

Cwt Angle:

Non-HPI Governor:

WHEELER TECHNOLOGY INC.

Model: EXPRESS

Trade Name:

Aircraft T.C./STC: Experimental

Propeller Model: HC-F2YR-1F

Propeller T.C.:

Blade Model(s): F8465-8R

Prop Diameter: 76"

Prop Setup:

Ref. Radius 30

Reverse Angle: NA

Low Pitch Angle: 14.5 +0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
BLADE	F8465-8R	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	A-2298-2P	SPINNER ASSEMBLY	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1047

Rev.:

Date: 3/8/1993

Modifier:

Engine: IO-540-C4B5

Power: 250 HP @ 2575 RPM

Placard/Restr:

Notes:

Startlock Angle: NA

Feather/High Angle: 32.0 +-1.0

Cwt Angle:

Non-HPI Governor:

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WHEELER TECHNOLOGY INC.

Model: EXPRESS
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-F3YR-1RF
Propeller T.C.:
Blade Model(s): F7382
Prop Diameter: 75"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.5 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	F3R00015	HC-F3YR-1RF/F7382/SM7	1	A/C	
BLADE	F7382	PCP:BLADE UNIT, ALUMINUM	3	Prop	
SPINNER	C-3575-1P	SPINNER ASSEMBLY	1	Prop	
SPIN MTG KIT	A-2476-7	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1187 **Rev.:** **Date:** 2/3/1995

Modifier:
Engine: IO-540-D4A5
Power: 260 HP @ 2700 RPM
Placard/Restr:
Notes: Engineering Project No. 555

Startlock Angle: NA
Feather/High Angle: 33.0 +-1.0
Cwt Angle:

Non-HPI Governor:

WING AIRCRAFT

Model: D-1
Trade Name: DERRINGER
Aircraft T.C./STC: A9WE
Propeller Model: HC-C2YL-2RB
Propeller T.C.:
Blade Model(s): F8459-18
Prop Diameter: 66" TO 64"

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 13.5 +-0.2

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
BLADE	F8459-18	PCP:BLADE UNIT, ALUMINUM	2	Prop	
SPINNER	835-21P	SPINNER ASSEMBLY	1	Prop	
GOVERNOR	F-6-53BZ	GOVERNOR ASSEMBLY, F-6-()	1	Prop	
MTG BOLT/STUD	A-2247-1	STUD, MOUNTING, 7/16-20, DRILLED	6	Prop	

IDS No.: 1051 **Rev.:** **Date:** 10/2/1992

Modifier:
Engine: IO-320-B1C, C1A
Power: 160 HP @ 2700 RPM
Placard/Restr:
Notes:

Startlock Angle: 19.0 +-1.5
Feather/High Angle: 78.0 +-1.0
Cwt Angle:

Non-HPI Governor:

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WOLF AIRCRAFT

Model: WOLFPITTS PRO
Trade Name: WOLFPITTS PRO
Aircraft T.C./STC: EXPERIMENTAL
Propeller Model: HC-C3YR-4AX
Propeller T.C.:
Blade Model(s): C7690EX
Prop Diameter: 78"

Prop Setup:

Ref. Radius: 30
Reverse Angle:
Low Pitch Angle: 10.0 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00276X	HC-C3YR-4AX/C7690EX/SM34	1	A/C	
BLADE	C7690EX	PCP:BLADE ASSY, COMP [3,1,1]	3	Prop	
SPINNER	D-7409	SPINNER ASSEMBLY, COMPOSITE	1	Prop	
GOVERNOR	F6-59	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-34	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	D-7248	PCP:CLAMP, COUNTERWEIGHT	1	Blade	
CWT_SLUG	A-1744	BOLT,3/8-24,HEX HEAD	2	Blade	
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	2	Blade	
CWT_SLUG	C-7249	SLUG, COUNTERWEIGHT	2	Blade	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 3095 **Rev.:** **Date:** 8/12/2011

Modifier:
Engine: AEIO-580-S
Power: 320 HP @ 2700 RPM
Placard/Restr:

Notes: Remove TC, PC and assembly S/N from hub. Remove PC from blades.

Startlock Angle:
Feather/High Angle: 35.0 +-1.0
Cwt Angle:

Non-HPI Governor:

ZIVKO AERONAUTICS

Model: EDGE 540
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YR-1A
Propeller T.C.: P25EA
Blade Model(s): 7690E
Prop Diameter: 78.0" NO CUT OFF

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.6 +-0.1

Non-HPI Items:

Non-HPI Spinner:

Hartzell Approved Items:

Item Type	Item Number	Description	Quantity	Qty Per	Comments
PROPELLER	C3R00015	HC-C3YR-1A/7690E/SM6	1	A/C	
PROPELLER	C3R00015KD	HC-C3YR-1A/7690E/SM6	1	A/C	
BLADE	7690E	PCP:BLADE ASSY, COMP [3,1,1]	3	Prop	
SPINNER	D-6936-P	SPINNER ASSEMBLY	1	Prop	REQ'D IF USING 7690E BLADE
GOVERNOR	E2-5	GOVERNOR ASSEMBLY, E-2-()	1	A/C	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

IDS No.: 1367 **Rev.:** **Date:** 6/9/2009

Modifier:
Engine: AEIO-540
Power: 300 HP @ 2700 RPM
Placard/Restr:

Notes: Governor requires A-3144-2 Governor Drive Extension and C-6059 Valve Assembly with B-1104 Gasket.

Startlock Angle: NA
Feather/High Angle: 32.0 +-1.0
Cwt Angle:

Non-HPI Governor:

HARTZELL

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ZIVKO AERONAUTICS INC.

Model: EDGE 540
Trade Name:
Aircraft T.C./STC: Experimental
Propeller Model: HC-C3YR-4AX
Propeller T.C.:
Blade Model(s): C7690EX
 C7690EX*1
Prop Diameter: 78" NO CUT OFF

IDS No.: 2493 **Rev.:** **Date:** 5/6/2010
Modifier:
Engine: AEIO-540
Power: 300 HP @ 2700 RPM
Placard/Restr:
Notes: Remove TC and PC and Assembly S/N from hub and blades; F-6-39 installs on wide deck engine; F-6-43 installs on narrow deck engine.

Prop Setup:

Ref. Radius: 30
Reverse Angle: NA
Low Pitch Angle: 11.6 +-0.1

Startlock Angle: NA
Feather/High Angle: 35.0 +-1.0
Cwt Angle: NA

Non-HPI Items:

Non-HPI Spinner:

Non-HPI Governor:

Hartzell Approved Items:

<u>Item Type</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Qty Per</u>	<u>Comments</u>
PROPELLER	C3R00270X	HC-C3YR-4AX/C7690EX[*1]/SM6	1	A/C	
PROPELLER	C3R00271X	HC-C3YR-4AX/C7690EX/SM6	1	A/C	
BLADE	C7690EX	PCP:BLADE ASSY, COMP [3,1,1]	3	Prop	
BLADE	C7690EX*1	PCP:BLADE ASSY, COMP [11,9,1]	3	Prop	
GOVERNOR	F6-39	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
GOVERNOR	F6-43	GOVERNOR ASSEMBLY, F-6-()	1	A/C	
SPIN MTG KIT	A-2476-6	SPINNER - MTG KIT	1	Prop	
COUNTERWEIGHT	D-7248	PCP:CLAMP, COUNTERWEIGHT	1	Blade	Blade Component
CWT_SLUG	A-1744	BOLT,3/8-24,HEX HEAD	2	Blade	Blade Component
CWT_SLUG	A-2043-1	NUT,3/8-24,HEX,SELF-LOCKING	2	Blade	Blade Component
CWT_SLUG	C-7249	SLUG, COUNTERWEIGHT	2	Blade	Blade Component
MTG BOLT/STUD	A-2067	STUD, MOUNTING, 1/2-20	6	Prop	

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1. STC Holder Listing

- A. The STC holder corresponds to the modifier listed with the STC number in the Application Information section of this manual.
- B. Supplemental type certificate installations are the responsibility of the STC holder and the STC holder should be contacted if there are any questions or problems concerning the following:
 - (1) Installation approval
 - (2) Performance claims
 - (3) Foreign approval
 - (4) Compatibility with engine or airframe modifications
 - (5) Replacement of lost STC paperwork
- C. Information regarding ownership of supplemental type certificates and addresses of STC owners is not always reliable and is subject to frequent changes.
- D. The addresses presented in this section have been researched through the Federal Aviation Administration Summary of Supplemental Type Certificates and are correct to the best of Hartzell's knowledge.
- E. Please report any errors or discrepancies to Hartzell Propeller Product Support.
- F. When the holder of the STC is no longer able to be consulted, the local FAA Flight Standards office may be an additional source of information. The FAA would be considered the final authority regarding compatibility of an STC with a modified aircraft or an aircraft model not included in the STC.

STC HOLDER	ADDRESS	CITY	STATE	ZIP CODE	COUNTRY	PHONE
AAA FLYING SERVICE	947 CHUDALLA RD.	WHARTON	TX	77488	USA	
AAR OKLAHOMA, INC	6611 S. MERIDIAN	OKLAHOMA CITY	OK	73159	USA	405-681-3000
A.C.E. AVIATION, INC.	397 SMITH RANCH ROAD	SAN RAFAEL	CA	94903	USA	
AMERICAN AVIATION	PO BOX 482	WALNUT RIDGE	AR	72476	USA	870-886-2418
AERO AIR, INC	PORTLAND-HILLSBORO AIRPORT 2050 NE 25TH AVENUE	HILLSBORO	OR	97124	USA	800-448-2376
AERO AIR, INC	7510 W. HALL	SPOKANE	WA	99204	USA	
AEROFAB INC	1 HIGH STREET, P.O. BOX 312	SANFORD	ME	04073	USA	207-324-3916
AEROMAR, INC.	317 NORTH COCONUT LANE PALM ISLAND	MIAMI	FL	33139	USA	
AERO MODIFICATIONS & CONSULTING, LLC	6423 AIRPORT PARKWAY, P.O. BOX 35408	GREENSBORO	NC	27425	USA	
AERO MODS INC.	2827 ESAW STREET	MENDEN	NV	89423	USA	
AEROSTOL COMPANY	5104 RECTOR	FORT WORTH	TX	76133	USA	
AG AIR SYSTEMS	373 SE BRIDGEFORD BLVD	BEND	OR	97702	USA	541-385-5051
AGRI-JET POWER, INC.	RT 1, BOX 169	McCRORY	AR	72101	USA	
AIR PLAINS SERVICES CORP.	WELLINGTON AIRPORT PO BOX 541	WELLINGTON	KS	67152	USA	800-752-8481
AIR TECH AIRCRAFT	11200 HIGHPOINT COVE	OLIVE BRANCH	MS	38654	USA	
AIR TRANSPORT CORP.	PO BOX 416 S MAIN STREET	GRANVILLE	OH	43023	USA	614-587-1010
AIRCRAFT PARTS & DEVELOPMENT	PO BOX 1849	LAREDO	TX	78041	USA	
AIRCRAFT RESTORATION COMPANY	3410 WEST, 1010 SOUTH	PROVO	UT	84601	USA	
AIRCRAFT TECHNICAL SVC.	7112 SOPHIA AVE.	VAN NUYS	CA	91406	USA	
AIRCRAFTSMEN INC	BOX 82516	OKLAHOMA CITY	OK	73108	USA	
AIRESEARCH AVIATION CO.	CAPITAL AIRPORT	SPRINGFIELD	IL	62705	USA	
AIRLINE TRAINING CENTER	BLDG 105 PHOENIX LITCHFIELD AIRPORT	GOODYEAR	AZ	85338	USA	
ALASKA PROPELLER SPECIALISTS, INC.	5251 LAKESHORE DRIVE	ANCHORAGE	AK	95503	USA	
ALBERT MISEVIC	317 EAST BROAD ST.	PORT HUENEME	CA	93041	USA	
ALPHA AIRCRAFT	P.O. BOX 63	BAKERSFIELD	CA	93300	USA	
AMERICAN JET	3021 AIRPORT AVENUE	SANTA MONICA	CA	90405	USA	
A M LUTON	3025 ELDRIDGE AVENUE	BELLINGHAM	WA	98225	USA	
APACHE MODIFICATION AIRCRAFT	1893 AIRPORT ROAD	KALISPELL	MT	59901	USA	
ATLANTIC AERO, INC	6423 BRYAN BOULEVARD	GREENSBORO	NC	27409	USA	
AVIATION FABRICATORS	805 N. 4TH STREET	CLINTON	MO	64735	USA	
BACHNER'S AIRCRAFT	P.O. BOX 2191 PHILLIPS FIELD	FAIRBANKS	AK	99701	USA	
BASLER TURBO CONVERSIONS	P.O. BOX 2305	OSHKOSH	WI	54903	USA	920-236-7820
BEECH AIRCRAFT CORP	9709 EAST CENTRAL PO BOX 85	WICHITA	KS	67201	USA	
BERNARD A GALLAGHER	1400 SOUTHWEST TOWER	HOUSTON	TX	77002	USA	
BIRD CORP.	PO BOX 817	SANDPOINT	ID	83864	USA	208-263-2549
BUSH CONVERSIONS (FORMERLY AVCON)	526 N OLIVER HANGAR J	WICHITA	KS	67114	USA	800-752-0748
CAMERON & STAHL, INC - (DBA) AEROSPACE PRODUCTS	5523 SATSUMA AVE.	NORTH HOLLYWOOD	CA	91601	USA	
CAPE SMYTHE AIR SERVICE, INC.	PO BOX 549	BARROW	AK	99723	USA	

STC HOLDER	ADDRESS	CITY	STATE	ZIP CODE	COUNTRY	PHONE
CENTURY AVIATION, JOHN W DOWNS INC.	5125 VOYAGER DRIVE	DALLAS	TX	75237	USA	
CHAMBERLAIN AVIATION, INC.	2664 GILCHRIST ROAD	AKRON	OH	44309	USA	
CHANDLER AIRCRAFT SERVICE	151 W. LAMBERT AVENUE	EL MONTE	CA	91731	USA	
CHARLES SCHACHLE	3901 E SPRING	LONG BEACH	CA	90801	USA	
CHARLES YATES	ROUTE 1, BOX 356	COLUMBIA	LA	71418	USA	318-435-7222
CLINTON ANDERSON	RURAL ROUTE 1	NEHOWKA	NE	68413	USA	
COLEMILL ENTERPRISES, INC. (NOW OWNED BY MIKE JONES AIRCRAFT) MIKE JONES AIRCRAFT SALES INC.	1932 MEMORIAL BLVD.	MURFREESBORO	TN	37129	USA	615-390-0915
CONSOLIDATED FUEL SYSTEMS	1400 E SOUTH BOULEVARD	MONTGOMERY	AL	36116	USA	
D'SHANNON PRODUCTS	13610 GLANDER LANE	LINDSTROM	MN	55045	USA	800-328-4629
D. H. MORETON	560 MARQUETTE STREET	PACIFIC PALISADES	CA	90272	USA	
DAVIS AVIATION SERVICES INC	P.O. BOX 192	BRISTOL	TN	37621	USA	423-652-1113
DEE HOWARD COMPANY	PO BOX 469001	SAN ANTONIO	TX	78246	USA	
DEL-AIR	2121 S. WILDCAT WAY	PORTERVILLE	CA	93257	USA	
DELTA TURBINES, INC	3878 FITE RD.	MILLINGTON	TN	38053	USA	901-873-4701
DELUCA OF CALIFORNIA	PO BOX 727	CABAZON	CA	92230	USA	
DONALD KYTE	216 146th STREET SW	LYNNWOOD	WA	98037	USA	
E. HORTON, JR.	915 KENT ROAD	LUBBOCK	TX	79408	USA	
EAGLE CREEK AVIATION	4101 DANDY TRAIL	INDIANAPOLIS	IN	46254	USA	
EL PASO NATURAL GAS	P.O. BOX 1492	EL PASO	TX	79910	USA	
ELLEN BELOTTI	1208 EAST CHARLESTON RD	LAS VEGAS	NV	89114	USA	
EXCALIBUR AVIATION	PO BOX 32007	SAN ANTONIO	TX	78216	USA	210-927-6201
EXECUTIVE WINGS COMPANY	LAKELAND MUNICIPAL AIRPORT 3470 DRANE FIELD ROAD	LAKELAND	FL	33811	USA	863-648-1648
FARM & RANCH AERIAL SERVICE	ROUTE 3, BOX 71A	WHARTON	TX	77055	USA	
FARRINGTON AIRCRAFT CORP	PO BOX 9	PADUCAH	KY	42001	USA	
FIELD AVIATION	AIRCRAFT SERVICE DIVISION BOB SIKES AIRPORT	CRESTVIEW	FL	42536	USA	
FIELD AVIATION COMPANY, INC	LESTER B. PEARSON INTL AIRPORT PO BOX 6023	TORONTO, ONTARIO		L5P 1B9	CANADA	
FLOYD D. STILWELL	5060 EAST FALCON DR.	MESA	AZ	85205	USA	
FRAKES AVIATION, INC.	ROUTE 3, BOX 229-B	CLEBURNE	TX	76031	USA	817-645-9136
FRANKLIN AIRCRAFT ENGINES CO INC.	LIVERPOOL ROAD	SYRACUSE	NY	13208	USA	
FULTON CONVERSION CO.		SOUTHBURY	CT	06488	USA	
G & G AERO-SERV, INC.	LUBBOCK INTL ARPT 2nd HANGER, WEST RAMP	LUBBOCK	TX	79403	USA	
GANDER AIRCRAFT	15195 NE 21ST AVE.	N MIAMI BEACH	FL	33162	USA	
GARRETT GENERAL AVIATION SERV. CO.	CAPITL AIRPORT	SPRINGFIELD	IL	62705	USA	
GARY FRITZLER	12700 LAKE AVE #1911	LAKEWOOD	OH	44107	USA	
GREENWICH AIRCRAFT CORP.	7727 AIRPORT ROAD	WACO	TX	76708	USA	
GRAHAM FLYING SERVICE	BOX 26 BLVD STATION	SIOUX CITY	IA	51101	USA	
GULFSTREAM AEROSPACE	7301 NW 50TH STREET	BETHANY	OK	73008	USA	

STC HOLDER	ADDRESS	CITY	STATE	ZIP CODE	COUNTRY	PHONE
HAMILTON AIRCRAFT	6501 S PARK AVENUE	TUCSON	AZ	85706	USA	
HARTZELL PROPELLER INC	ONE PROPELLER PLACE	PIQUA	OH	45356	USA	937-773-4203
HELIO AIRCRAFT LIMITED	PO BOX 604	PITTSBURGH	KS	66762	USA	
HOFFMANN GMBH & CO	KUEPFERLINGSTR 9	ROSENHEIM		D-83022	GERMANY	49.0.8031.1878.0
HOMER J. PENWELL	900 SUNSET DRIVE	EL RENO	OK	USA		
HUTCHINSON A/C SERVICE	P.O. BOX 524	BORGER	TX	79006	USA	
INTERCONTINENTAL JET, INC.	3322 N. 74 TH EAST AVE, HANGAR 27	TULSA	OK	74115	USA	
J.B. SIMPSON	BOX 126	GILLIAM	LA	70129	USA	
J.W. MILLER AVIATION, INC.	HSB BOX 7757	MARBLE FALLS	TX	78654	USA	512-598-2556
JACKSON REED	607 NORTH PETERS	NORMAN	OK	73069	USA	
JAVELIN CONVERSIONS, INC.	PO BOX 308	ALICE	TX	78333	USA	
JET ENTERPRISES, INC.	4212 AIRPORT RD.	CINCINNATI	OH	45226	USA	
JETPROP LLC	E. 6427 RUTTER ROAD, FELTS FIELD	SPOKANE	WA	99212	USA	
JETSTREAM INC.	PO BOX 210187	DALLAS	TX	75237	USA	
JOE PEACOCK	106 W. SECOND ST.	McCRORY	AR	72101	USA	
JOHN E AYER	405 S. THIRD ST.	LE SUEUR	MN	56058	USA	
JOHN JEWELL AIRCRAFT, INC	P.O. BOX 399	HOLLY SPRINGS	MS	38635	USA	662-252-6377
JOHN R HARDY	P.O. BOX 871008	WASILLA	AK	99687	USA	
JOHNSTON AIRCRAFT SERVICE	P.O. BOX 757, TULARE AIRPARK	TULARE	CA	93274	USA	559-686-1794
KELLY AEROSPACE POWER SYSTEMS	1400 E SOUTH BOULEVARD	MONTGOMERY	AL	36116	USA	
KENMORE AIR HARBOR	PO BOX 82064	KENMORE	WA	98028	USA	206-486-1257
KNOTS 2 U, LTD	3106 BIENEMAN RD.	BURLINGTON	WI	53105	USA	262-763-6152
KWAD COMPANY	4530 JETTRIDGE DRIVE N.W.	ATLANTA	GA	30327	USA	
L.L. WALKER	PO BOX 5158	HOUSTON	TX	77012	USA	
LAKE 4 SALES CORP.	PO BOX 399 HOOKS MEMORIAL AIRPORT	TOMBALL	TX	77375	USA	
LI'L RED AERO, INC	RT1, BOX 120 MUNICIPAL AIRPORT	KEARNEY	NE	68847	USA	
LOPRESTI SPEED MERCHANTS	2620 N. AIRPORT DRIVE	VERO BEACH	FL	32960	USA	800-859-4757
MACHEN, INC.	10555 AIRPORT DRIVE COEUR D'ALENE AIRPORT	HAYDEN LAKE	ID	83835	USA	208-762-0338
MARSH AVIATION	5060 EAST FALCON DRIVE	MESA	AZ	85205	USA	602-832-3770
MAULE AEROSPACE TECHNOLOGY	LAKE MAULE, RT 5 BOX 318	MOULTRIE	GA	31768	USA	229-985-6197
MAXWELL AIRCRAFT	17233 CHESTERFIELD AIRPORT ROAD	CHESTERFIELD	MO	63017	USA	
MAXWELL AIRCRAFT SERVICE, INC.	CRYSTAL AIRPORT	MINNEAPOLIS	MN	55428	USA	763-533-8611
McDERMOTT JR & CO.	LAKEFRONT AIRPORT	NEW ORLEANS	LA	70113	USA	
McKENZIE FLYING SERVICE	28835 LOCKHEED DRIVE	EUGENE	OR	97402	USA	
McKINNON ENTERPRISES, INC.	RT 1, BOX 690	SANDY	OR	97055	USA	
MERLYN PRODUCTS, INC.	7500 W. PARK DRIVE	SPOKANE	WA	99204	USA	

STC HOLDER	ADDRESS	CITY	STATE	ZIP CODE	COUNTRY	PHONE
MET-CO-AIRE	BOX 2216	FULLERTON	CA	92633	USA	
MID AMERICA STOL	1970 SW STREET UNIT 370	WICHITA	KS	67277	USA	
MIKE TRUDEAU	13610 GLADER LANE	LINDSTROM	MN	55045	USA	
MITSUBISHI HEAVY INDUSTRIES AMERICA INC.	4951 AIRPORT PKWY SUITE 800	ADDISON	TX	75001	USA	
MR. RPM	25 JACKS PASS CT.	CAMANO ISLAND	WA	98282	USA	360-387-2272
MURLIN GENE SMITH	1231 WOODWARD AVENUE	TOPEKA	KS	66604	USA	
MT PROPELLER	AIRPORT WALLMUELHE, FLUGPLATZSTR. 1	ATTING		D-94348	GERMANY	
NORTHLAND AVIATION, INC.	P.O. BOX 60143	FAIRBANKS	AK	99706	USA	
O & N AIRCRAFT MODIFICATIONS, INC.	210 WINDSOCK LN PO BOX 292 SEAMANS AIRPORT	FACTORYVILLE	PA	18419	USA	570-945-3769
O. S. WYATT, JR.	NINE GREENWAY PLAZA	HOUSTON	TX	77046	USA	
PACIFIC PROPELLER, INC.	PO BOX 946 5892 S 228TH ST.	KENT	WA	98031	USA	
PAGE INDUSTRIES, INC.	PO BOX 191	YUKON	OK	73099	USA	
PAUL E. OEWEN	4725 HIGHLAND SPRINGS ROAD	LAKEPORT	CA	95453	USA	707-263-0412
PAY'S AIR SERVICE (PTY) LTD	PO BOX 158	SCONE, NSW		2336	AUSTRALIA	65 451555
PDX, INC.	2105 SE ADAMS	MILWAUKEE	OR	97222	USA	
PK FLOAT DIVISION, DEVORE AVIATION CORP	125 MINEOLA AVENUE	ROSLYN HEIGHTS	NY	11577	USA	
PEN TURBO AVIATION CANADA	1804 ALSTEP DRIVE, UNIT 21	MISSISSAUGA	ONTARIO	L5S 1W1	CANADA	
PETERSON A/C REPAIR	1301 WENTWOOD	IRVING	TX	75061	USA	
PORSCHE AVIATION PRODUCTS	R.R. 2, BOX 118A GALESBURG AIRPORT	GALESBURG	IL	61401	USA	
PROPELLERS INC.	5802 S. 228TH STREET	KENT	WA	98031	USA	
RAISBECK ENGINEERING	4411 SOUTH RYAN WAY	SEATTLE	WA	98178	USA	206-723-2000
RAM AIRCRAFT	7505 KARLMAY DR.	WACO	TX	76708	USA	817-752-8381
RAYTHEON AIRCRAFT COMPANY	P.O. BOX 85	WICHITA	KS	67201	USA	
RAY RAINERI	1212 NORTH MOORE ROAD	CAMAND ISLAND	WA	98292	USA	
RFB COMPANY, INC.	CHANDLER FIELD	PURCELL	OK	73080	USA	
RILEY TURBOSTREAM CORP		VAN NUYS	CA	91408	USA	
RK WILSON	3808 VIA LA SELVA PALOS VERDES ESTATES		CA	90274	USA	
ROBERT DOUTHIT	PO BOX 795	EL CENTRO	CA	92243	USA	
ROBERT OR BARBARA WILLIAMS	213 NORTH CLARK	UDALL	KS	67146	USA	620-782-3317
ROBERT W HALDI	7211 ALDGATE LANE	INDIANAPOLIS	IN	46250	USA	
ROCKET ENGINEERING	6427 E. RUTTER RD. FELTS FIELD	SPOKANE	WA	99212	USA	509-535-4401
RON'S AIR SERVICE	BOX 12	TWO BUTTES	CO	81084	USA	
RYDER-AVIALL	7511 LEMMON AVE	DALLAS	TX	75209	USA	

STC HOLDER	ADDRESS	CITY	STATE	ZIP CODE	COUNTRY	PHONE
S & R AIRCRAFT, INC.	947 CHUDALLA ROAD	WHARTON	TX	77488	USA	979-532-8333
SS AVIATION	27609 NE 65TH STREET	CAMAS	WA	98607	USA	
STC/MOONEY LIMITED	6427 E. RUTTER ROAD, FELTS FIELD	SPOKANE	WA	99212	USA	
SCHAFFER AIRCRAFT MODIFICATIONS	MADISON-COOPER AIRPORT ROUTE 10, BOX 301	WACO	TX	76708	USA	817-753-1551
SEAPLANE FLYING, INC	1111 S.E. FIFTH STREET	VANCOUVER	WA	98666	USA	
SERV-AERO ENG. INC.	PO BOX 96	DOS PALOS	CA	93620	USA	831-422-7866
SIAI MARCHETTI SPA	21018 INDIPENDENZA	SESTO CALENDE	VARESE	21018	ITALY	
SIERRA INDUSTRIES, INC.	PO BOX 5184	UVALDE	TX	78802	USA	830-278-4481
SIGNATURE FLIGHT SUPPORT CORPORATION	7511 LEMMON AVENUE, HANGAR C	DALLAS	TX	75209	USA	
SIM-U-FLIGHT	17641 SE 295TH STREET	KENT	WA	98042	USA	206-630-1054
SOLOY CONVERSIONS	450 PAT KENNEDY WAY SW	OLYMPIA	WA	98501	USA	206-754-7000
STC BEE INC.	10900 RANIER AVE. SOUTH	SEATTLE	WA	98178	USA	
STYLES AVIATION	SKY ACRES AIRPORT NORTH SMITH RD	LA GRANGEVILLE	NY	12540	USA	914-677-8185
SUPERSKYROCKET, LLC	2026 PALOMAR AIRPORT RD	CARLSBAD	CA	92008	USA	760-438-9089
T.A.C. INC.	PO BOX 1180	BLAINE	WA	98230	USA	
T-G AVIATION C/O FALK AND SIEMER	2600 MAIN PLACE TOWER	BUFFALO	NY	14202	USA	
TEXAS SKYWAYS, INC.	308 BOERNE STAGE AIRFIELD	BOERNE	TX	78006	USA	830-755-8989
TEXAS TURBINE CONVERSIONS, INC.	8955 CR 135	CELINA	TX	75009	USA	
THAMER AIRCRAFT (T.A.R.D.)	1300 EAST EDWARD DRIVE	TIPP CITY	OH	45371	USA	800-899-7597
THRUSH AIRCRAFT INC.	300 OLD PRETORIA ROAD	ALBANY	GA	37121	USA	
TORBET AIRCRAFT, INC.	ORANGE CO. AIRPORT	SANTA ANA	CA	92702	USA	
TRADEWIND TURBINES	PO BOX 31930, 10001 AMERICAN DRIVE	AMARILLO	TX	79120-193	USA	
TULSAIR BEECHCRAFT, INC.	BOX 2146	TULSA	OK	74158	USA	
TURBINES INC.	7303 MAYNARD WHEELER LANE	TERRE HAUTE	IN	47803	USA	812-877-2587
TURBINE CONVERSIONS, INT	2016 PALOMAR AIRPORT RD	CARLSBAD	CA	92008	USA	
TURBINE CONVERSIONS LTD	18155 120TH AVE, P.O. BOX 8	NUNICA	MI	49448	USA	616-837-9428
TURBOTECH, INC.	2215 PARROTT WAY	KELSO	WA	98626	USA	
TURNER AVIATION CO., INC.		TURNER	ME	04282	USA	
UNION OIL CO. OF CA	617 W SEVENTH ST.	LOS ANGELES	CA	90052	USA	
UNIVAIR	2500 HIMALAYA ROAD	AURORA	CO	80011	USA	303-364-7661
VIKING AIR LTD.	VICTORIA INTERNATIONAL AIRPORT 9574 HAMPDEN RD.	SIDNEY	BC	V8L 5V5	CANADA	250-656-7227
VOLPAR AIRCRAFT CORP. INC.	7701 WOODLEY AVENUE	VAN NUYS	CA	91406	USA	818-994-5023
W.L. JOHNSON JR.	7721 DRIFTWOOD, S.E.	GRAND RAPIDS	MI	49506	USA	
WEST COAST PROP	DIV OF HAWKER PACIFIC INC 11310 SHERMAN WAY	SUN VALLEY	CA	91352	USA	213-849-3121
WEST COAST PROPELLER CO.	1101 CHESTNUT STREET	BURBANK	CA	91500	USA	
WEST TENNESSEE AVIATION, INC.	EVERETT-STEWART AIRPORT	UNION CITY	TN	38261	USA	
WESTERN COMMANDER	3011 AIRPORT AVENUE	SANTA MONICA	CA	90405	USA	

STC HOLDER	ADDRESS	CITY	STATE	ZIP CODE	COUNTRY	PHONE
WESTERN SKYWAYS, INC.	1865 LAUNA	MONTROSE	CO	81401	USA	
WILLIAM E. HUSK	BOX 65	DUBLIN	GA		USA	
WILLIAM WIPRUD	6443 SOUTHWEST BEAVERTON HILLSDALE AIRPORT	PORTLAND	OR	97221	USA	
WIPAIRE, INC	1700 HENRY AVENUE	SOUTH ST PAUL	MN	55075	USA	651-451-1205
WOODWARD GOVERNOR CO	5001 NORTH SECOND STREET	ROCKFORD	IL	61101	USA	

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1. Appendix

A. Purpose

- (1) The Appendix chapter of this manual is a reference tool only. Limited application information is arranged in a manner that allows the user to quickly scan for related applications. Refer to the Application Information chapter of this manual for more detailed information.
- (2) The data in the Appendix chapter of this manual is sorted according to Aircraft Manufacturer.

B. Data Field Definitions

- (1) This Appendix chapter contains the following installation data:
 - (a) Aircraft Manufacturer
 - (b) Aircraft Model and Trade Name
 - (c) Aircraft TC/STC Number and Modifier
 - (d) Engine Mfg. and Engine power (HP and RPM)
 - (e) Propeller Model and Blade model(s) approved for installation
 - (f) Propeller Diameter/Range
 - (g) Spinner part number (if applicable)
 - (h) IDS Reference Number

NOTE: The IDS Reference number shown in the far right column of this appendix may be used as a look-up number to locate the corresponding, more detailed record located in the Application Information chapter of this manual.

- (2) Refer to the Data Field Definitions in the Application Information Chapter of this manual for a definition of each data field contained in this Appendix.

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ADVANCED AERO. & STRUC., INC. 450 JETCRUZER	A49NM	PRATT & WHITNEY PT6A-27 599 HP @ 2200 RPM	HC-B3TN-3UL LT10173N-21R	80.375" TO 79.375"	C-3065-3	1055
AERMACCHI (AERONAUTICA MACCHI) AM-3	A19EU	CONTINENTAL GTSIO-520-C 340 HP @ 2400 RPM	HC-83VK-4, HC-A3VK-4 V8833 V8833N	88 3/8" TO 86 3/8"	837-8	2080
AERMACCHI (AERONAUTICA MACCHI) AM-3	A19EU	CONTINENTAL GTSIO-520-C 340 HP @ 2400 RPM	HC-A3MVK-4 MV8833N	88 3/8" TO 86 3/8"	837-8	61
AERMACCHI (AERONAUTICA MACCHI) AM-3C	Unknown	LYCOMING GSO-480-B1B6, -B1C3 340 HP @ 2182 RPM	HC-B3R20-4 R10160-1 R10160N-1	100"	836-20	62
AERMACCHI (AERONAUTICA MACCHI) AL 60-F5	7A12	LYCOMING IO-720-A1A 400 HP @ 2650 RPM	HC-A3VK-4 V8433 V8433N	84 5/8" TO 82 5/8"	C-2513-2P	2079
AERMACCHI (AERONAUTICA MACCHI) AL 60-F5	7A12	LYCOMING IO-720-A1A 400 HP @ 2650 RPM	HC-A3MVK-4 MV8433N	84 5/8" TO 82 5/8"	C-2513-2P	60
AERMACCHI S.P.A. S.205-22R	A9EU	FRANKLIN 6A-350-C1 220 HP @ 2800 RPM	HC-C2YF-1BF F8459-4	80"	835-23 835-23P	945
AERMACCHI S.P.A. S.205-22R	A9EU	LYCOMING O-540-E4A5 260 HP @ 2700 RPM	HC-C2YK-1BF F8467-8R	76 TO 75		2554
AERMACCHI S.P.A. S.205-22R	A9EU	LYCOMING O-540-E4A5 260 HP @ 2700 RPM	HC-C2YK-1BF F8477-8R	76		2555
AERO COMMANDER 690, 690A, 690B, 690C TURBO COMMANDER	STC-SA1464NM AERO AIR	GARRETT TPE331-5-251K, -252K, -254K 715 HP @ 1591 RPM	HC-B3TN-5NL LT10673-2Q LT10673B-2Q LT10673N-2Q	104"	836-57 836-57P D-7330 D-7330P	2789

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AERO COMMANDER 111	A11SO	LYCOMING O-360-A1G6 180 HP @ 2700 RPM	HC-E2YR-1B(F) F7666	76"	C-3533 C-3533-P	2
AERO COMMANDER 112 COMMANDER	A12SO	LYCOMING IO-360-C1D6 200 HP @ 2700 RPM	HC-E2YR-1B(F) F7666A	76" TO 74"	C-3533 C-3533-P	3
AERO COMMANDER 112B COMMANDER	A12SO	LYCOMING IO-360-C1D6 200 HP @ 2700 RPM	HC-E2YR-1BF F8467-7R	77" TO 76.5"	C-3533 C-3533-P	4
AERO COMMANDER 112, 112B COMMANDER	STC-SA00499SE HARTZELL PROPELLER	LYCOMING IO-360-C1D6 200 HP @ 2700 RPM	HC-E3YR-1RF F7392	75" TO 73"	C-3535-1 C-3535-1P	1209
AERO COMMANDER 112TC, 112TCA COMMANDER	STC-SA00499SE HARTZELL PROPELLER	LYCOMING TO-360-C1A6D 210 HP @ 2575 RPM	HC-E3YR-1RF F7392	75" TO 73"	C-3535-1 C-3535-1P	1869
AERO COMMANDER 112TC, 112TCA COMMANDER	A12SO	LYCOMING TO-360-C1A6D 210 HP @ 2575 RPM	HC-E2YR-1BF F8467-7R	77" TO 76.5"		5
AERO COMMANDER 112 COMMANDER	STC-SA243NW MACHEN INC.	LYCOMING IO-540-G1, -P1, -K1, -S1 290 HP @ 2575 RPM	HC-C3YR-1RF F8468A-6R	80"	A-2295-1	6
AERO COMMANDER 114 COMMANDER	A12SO	LYCOMING IO-540-T4A5D, -T4B5D 260 HP @ 2700 RPM	HC-C2YR-1BF F8467-7R	77" NO CUT OFF	C-3533	7
AERO COMMANDER 500 AERO COMMANDER	6A1	LYCOMING O-540-A2B 250 HP @ 2575 RPM	HC-A2MVK-2 MV8433N-4*2	80.2" TO 80"	835-30 835-6	8
AERO COMMANDER 500 AERO COMMANDER	6A1	LYCOMING O-540-A2B 250 HP @ 2575 RPM	HC-A2XK-2, HC-82XK-2 8433-4	80.2" TO 80"	835-30 835-6	2051
AERO COMMANDER 500 AERO COMMANDER	6A1	LYCOMING O-540-A2B 250 HP @ 2575 RPM	HC-A2VK-2, HC-82VK-2 V8433-4	80.2" TO 80"	835-30 835-6	2052

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AERO COMMANDER 500A AERO COMMANDER	6A1	CONTINENTAL IO-470-M 260 HP @ 2625 RPM	HC-82XF-2, HC-A2XF-2 8433-4	80.3" TO 78"	C-2509-1 C-2530	2053
AERO COMMANDER 500A AERO COMMANDER	6A1	CONTINENTAL IO-470-M 260 HP @ 2625 RPM	HC-82VF-2, HC-A2VF-2 V8433-4	80.3" TO 78"	C-2509-1 C-2530	2054
AERO COMMANDER 500A AERO COMMANDER	6A1	CONTINENTAL IO-470-M 260 HP @ 2625 RPM	HC-A2MVF-2 MV8433N-4*2	80.3" TO 78"	C-2509-1 C-2530	9
AERO COMMANDER 500B, 500S, 500U AERO COMMANDER	6A1	LYCOMING IO-540-B1(A,C)5, -E1(A,B)5 290 HP @ 2575 RPM	HC-83XK-2, HC-A3XK-2, HC-83XK-2A, HC-A3XK-2A 8433-4	80.6" TO 80"	C-2513	2055
AERO COMMANDER 500B, 500S, 500U AERO COMMANDER	6A1	LYCOMING IO-540-B1(A,C)5, -E1(A,B)5 290 HP @ 2575 RPM	HC-83VK-2, HC-A3VK-2, HC-83VK-2A, HC-A3VK-2A V8433-4 V8433N-4	80.6" TO 80"	C-2513	2056
AERO COMMANDER 500B, 500S, 500U AERO COMMANDER	6A1	LYCOMING IO-540-B1(A,C)5, -E1(A,B)5 290 HP @ 2575 RPM	HC-A3MVK-2A MV8433N-4*2	80.6" TO 80"	C-2513 C-2513-P	10
AERO COMMANDER 500B, 500S, 500U SHRIKE COMMANDER	6A1	LYCOMING IO-540-E1(A,B)5 (-B1(A,C)5; 500B ONLY) 290 HP @ 2575 RPM	HC-C3YR-2(U)(F) FC8468-6R*2 FC8468B-6R	80"	C-3258	12
AERO COMMANDER 500 AERO COMMANDER	STC-SA340SO COLEMILL ENTERPRISE	CONTINENTAL IO-520-D, -E 300 HP @ 2850 RPM	EHC-83XF-2B, EHC-A3XF-2B 7636D	76.6"	836-25P	2058
AERO COMMANDER 500 AERO COMMANDER	STC-SA340SO COLEMILL ENTERPRISE	CONTINENTAL IO-520-D, -E 300 HP @ 2850 RPM	EHC-83VF-2B, EHC-A3VF-2B	76.6"	836-25P	2059
AERO COMMANDER 500 AERO COMMANDER	STC-SA340SO COLEMILL ENTERPRISE	CONTINENTAL IO-520-D, -E 300 HP @ 2850 RPM	EHC-A3MVF-2B MV7636N*1	76.6"	836-25P	15

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AERO COMMANDER 500 AERO COMMANDER	STC-SA257CE KELLY AEROSPACE POWER SYSTEMS	LYCOMING IO-540-A1A5 250 HP @ 2575 RPM	HC-A3XK-2 7636D	76.6"	C-2513-2	2332
AERO COMMANDER 500A SHRIKE	SA340SO COLEMILL ENT.	CONTINENTAL IO-520-E 300 HP @ 2850 RPM	EHC-G3YF-2UF FC7663-4T	74"		2563
AERO COMMANDER 500 AERO COMMANDER	STC-SA257CE CONSOLIDATED	LYCOMING IO-540-A1A5 250 HP @ 2575 RPM	HC-A3VK-2 7636D	76.6"	C-2513-2	2333
AERO COMMANDER 500A SHRIKE	TBD HUGH EVANS	CONTINENTAL IO-550-E() 320 HP @ 2700 RPM	PHC-C3YF-2UF FC8468D-6R	80	C-3567-4P	2672
AERO COMMANDER 500B, 500S, 500U AERO COMMANDER	SA 5969NM MERLYN PRODUCTS	LYCOMING TIO-540-J2B(D) 350 HP @ 2575 RPM	HC-C3YR-2UF FC8468D-6R	80" TO 79"	C-3258 C-3258-P	1894
AERO COMMANDER 500B, 500S, 500U AERO COMMANDER	SA 5969NM MERLYN PRODUCTS	LYCOMING TIO-540-J2B(D) 350 HP @ 2575 RPM	HC-C4YR-2 FC6660K*1	70"	D-4511-P	1332
AERO COMMANDER 500B, 500S, 500U AERO COMMANDER	STC-SA00169SE MERLYN PRODUCTS	LYCOMING IO-540-M1C5 300 HP @ 2700 RPM	HC-C3YR-2UF FC8468-6R*2	80" TO 79"	C-3258 C-3258-P	19
AERO COMMANDER 500U, 500S AERO COMMANDER	STC-SA2478SW MR. RPM	LYCOMING IO-720-B1B, -B1BD 400 HP @ 2650 RPM	HC-A3MVK-2A MV8433N-4Q*1 MV8433N-4R*1	80 5/8"	C-2513 C-2513-2 C-2513-2P C-2513-P	13
AERO COMMANDER 500U, 500S AERO COMMANDER	STC-SA2478SW MR. RPM	LYCOMING IO-720-B1B, -B1BD 400 HP @ 2650 RPM	HC-A3VK-2A V8433N-4Q V8433N-4R	80 5/8"	C-2513 C-2513-2 C-2513-2P C-2513-P	2308
AERO COMMANDER 500A	SR02088SE Palm Beach Aviation Services	Continental IO-520-E 285 HP @ 2700 RPM	PHC-C3YF-2UF FC8468D-8R	78" to 76"	C-3567-4 C-3567-4P	3012

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AERO COMMANDER 500 AERO COMMANDER	Unknown	LYCOMING O-540-A2B HP @ RPM	HC-A3VK-2B V7636 V7636N			2335
AERO COMMANDER 500 AERO COMMANDER	Unknown	LYCOMING O-540-A2B HP @ RPM	HC-A3XK-2B			2334
AERO COMMANDER 520 AERO COMMANDER	6A1	LYCOMING GO-435-C2, -C2B, -C2B1 260 HP @ 2182 RPM	HC-82X20-2, HC-A2X20-2 9333C-3	90" TO 88"	835-1S	2062
AERO COMMANDER 520 AERO COMMANDER	6A1	LYCOMING GO-435-C2, -C2B, -C2B1 260 HP @ 2182 RPM	HC-82V20-2, HC-A2V20-2 V9333C-3	90" TO 88"	835-1S	2063
AERO COMMANDER 520 AERO COMMANDER	6A1	LYCOMING GO-435-C2, -C2B, -C2B1 260 HP @ 2182 RPM	HC-A2MV20-2 MV9333N-3*1	90" TO 88"	835-1S	22
AERO COMMANDER 520 AERO COMMANDER	6A1	LYCOMING GO-435-C2, -C2B, -C2B1 260 HP @ 2182 RPM	HC-83X20-2, HC-A3X20-2 8433	84" NO CUT OFF	835-10S 835-9	2060
AERO COMMANDER 520 AERO COMMANDER	6A1	LYCOMING GO-435-C2, -C2B, -C2B1 260 HP @ 2182 RPM	HC-83V20-2, HC-A3V20-2 V8433	84" NO CUT OFF	835-10S 835-9	2061
AERO COMMANDER 520 AERO COMMANDER	6A1	LYCOMING GO-435-C2, -C2B, -C2B1 260 HP @ 2182 RPM	HC-A3MV20-2 MV8433N*1	84" NO CUT OFF	835-10S 835-9	20
AERO COMMANDER 560 AERO COMMANDER	6A1	LYCOMING GO-480-B, -B1C 270 HP @ 2182 RPM	HC-82X20-2, HC-A2X20-2 9333C-3	90" TO 88"	835-1S	2064
AERO COMMANDER 560 AERO COMMANDER	6A1	LYCOMING GO-480-B, -B1C 270 HP @ 2182 RPM	HC-82V20-2, HC-A2V20-2 V9333C-3	90" TO 88"	835-1S	2065
AERO COMMANDER 560 AERO COMMANDER	6A1	LYCOMING GO-480-B, -B1C 270 HP @ 2182 RPM	HC-A2MV20-2 MV9333N-3*1	90" TO 88"	835-1S	23
AERO COMMANDER 560 AERO COMMANDER	6A1	LYCOMING GO-480-B, -B1C 270 HP @ 2182 RPM	HC-A3X20-2 8433	84" NO CUTOFF		2542

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AERO COMMANDER 560 AERO COMMANDER	6A1	LYCOMING GO-480-B, -B1C 270 HP @ 2182 RPM	HC-A3V20-2 V8433N	84" NO CUTOFF		2543
AERO COMMANDER 560 AERO COMMANDER	6A1	LYCOMING GO-480-B, -B1C 270 HP @ 2182 RPM	HC-A3MV20-2 MV8433N	84" NOT CUTOFF		2541
AERO COMMANDER 560A AERO COMMANDER	6A1	LYCOMING GO-480-D1A, -C1B6, -G1B6 275 HP @ 2182 RPM	HC-83X20-2, HC-A3X20-2 8433	84.6" TO 84"	835-10S 835-9	2067
AERO COMMANDER 560A AERO COMMANDER	6A1	LYCOMING GO-480-D1A, -C1B6, -G1B6 275 HP @ 2182 RPM	HC-83V20-2, HC-A3V20-2 V8433	84.6" TO 84"	835-10S 835-9	2068
AERO COMMANDER 560A AERO COMMANDER	6A1	LYCOMING GO-480-D1A, -C1B6, -G1B6 295 HP @ 2182 RPM	HC-A3MV20-2 MV8433N*1	84.6" TO 84"	835-10S 835-9	24
AERO COMMANDER 560A, 560E AERO COMMANDER	6A1	LYCOMING GO-480-C1B6, -G1B6 295 HP @ 2182 RPM	HC-83X20-2, HC-A3X20-2 8833-2	86.4" TO 86"	836-22SPR	2069
AERO COMMANDER 560A, 560E AERO COMMANDER	6A1	LYCOMING GO-480-C1B6, -G1B6 295 HP @ 2182 RPM	HC-A3V20-2 V8833N-2	86.4" TO 86"	836-22SPR	2309
AERO COMMANDER 560A, 560E AERO COMMANDER	6A1	LYCOMING GO-480-C1B6, -G1B6 295 HP @ 2182 RPM	HC-A3MV20-2 MV8833N-2 MV8833NB-2	86.4" TO 86"	836-22SPR	25
AERO COMMANDER 560-F AERO COMMANDER	2A4	LYCOMING IGO-540-B1A, -B1C 350 HP @ 2182 RPM	HC-B3Z30-2E(A,B) 9349	93.5"	C-2504 C-2535	26
AERO COMMANDER 560-F AERO COMMANDER	2A4 N/A	LYCOMING IGO-540-B1A, -B1C 350 HP @ 2182 RPM	HC-B3Z30-2B 9349-6.5	87" NO CUT OFF	C-2504 C-2535	1561
AERO COMMANDER 560 AERO COMMANDER	STC-SA2-89 RYDER-AVIALL	LYCOMING GO-480-C1D6 295 HP @ 3400 RPM	HC-A3X20-2 8433 8833-2	86.4"	835-10S	2336

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AERO COMMANDER 560 AERO COMMANDER	STC-SA2-89 RYDER-AVIALL	LYCOMING GO-480-C1D6 295 HP @ 3400 RPM	HC-A3V20-2 V8433 V8433N V8833 V8833N	86.4"	835-10S	2337
AERO COMMANDER 680, 680-E, 720 AERO COMMANDER	2A4	LYCOMING GSO-480-A1A6, -B1A6 340 HP @ 2182 RPM	HC-83X20-2, HC-A3X20-2 9333C	93.6" TO 93"	835-10S 836-21SP	2072
AERO COMMANDER 680, 680-E, 720 AERO COMMANDER	2A4	LYCOMING GSO-480-A1A6, -B1A6 340 HP @ 2182 RPM	HC-A3V20-2 V9333C	93.6" TO 93"	835-10S 836-21SP	2310
AERO COMMANDER 680, 680-E, 720 AERO COMMANDER	2A4	LYCOMING GSO-480-A1A6, -B1A6 340 HP @ 2182 RPM	HC-A3MV20-2 MV9333N*1	93.6" TO 93"	835-10S 836-21SP	29
AERO COMMANDER 680F, 680FL, 680FLP AERO COMMANDER	2A4	LYCOMING IGSO-540-B1A, -B1C 380 HP @ 2182 RPM	HC-B3Z30-2E(A,B) 9349 9349-6.5 9349N	93.5" 9349, 87" 9349-6.5	C-2504 C-2535	30
AERO COMMANDER 680, 680E, 720 AERO COMMANDER	SA00770SE James R. Metzger	LYCOMING IGSO-480-A1A6, -B1A6 340 HP @ 2182 RPM	HC-B3Z20-2A 10151-8R 10151B-8R 10151N-8R 10151NB-8R	93" TO 90"		1747
AERO COMMANDER 680, 680E AERO COMMANDER	STC-SA439WE WESTERN COMMANDER	LYCOMING IGSO-480-A1D6 340 HP @ 2182 RPM	HC-83X20-2, HC-A3X20-2 9333C	93.6"	836-22S	2074
AERO COMMANDER 80, 680E AERO COMMANDER	STC-SA439WE WESTERN COM.	LYCOMING IGSO-480-A1D6 340 HP @ 3400 RPM	HC-A3X20-2 9333C	93.6"	836-22S	2338
AERO COMMANDER 680, 680E AERO COMMANDER	STC-SA439WE WESTERN COMMANDER	LYCOMING IGSO-480-A1D6 340 HP @ 2182 RPM	HC-83V20-2, HC-A3V20-2 V9333C	93.6"	836-22S	2075

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AERO COMMANDER 680, 680E AERO COMMANDER	STC-SA439WE WESTERN COMMANDER	LYCOMING IGSO-480-A1D6 340 HP @ 2182 RPM	HC-A3MV20-2 MV9333N*1	93.6"	836-22S	33
AERO COMMANDER 680F AERO COMMANDER	STC-SA2691WE MR. RPM	LYCOMING IO-720-B1B(D) 400 HP @ 2650 RPM	HC-A3XK-2A 8433	84.6"	C-2513-2P	2070
AERO COMMANDER 680F AERO COMMANDER	STC-SA2691WE MR. RPM	LYCOMING IO-720-B1B(D) 400 HP @ 2650 RPM	HC-A3VK-2A V8433 V8433N V8433NB-6Q	84.6"	C-2513-2P	2071
AERO COMMANDER 680F AERO COMMANDER	STC-SA2691WE MR. RPM	LYCOMING IO-720-B1B(D) 400 HP @ 2650 RPM	HC-A3MVK-2A MV8433N*1	84.6"	C-2513-2P	28
AERO COMMANDER 680FL(P) AERO COMMANDER	STC-SA2891WE MR. RPM	LYCOMING IO-720-B1B(D) 400 HP @ 2650 RPM	HC-A3VK-2A	84.6"	C-2513-2P	2073
AERO COMMANDER 680FL(P) AERO COMMANDER	STC-SA2891WE MR. RPM	LYCOMING IO-720-B1B(D) 400 HP @ 2650 RPM	HC-A3MVK-2A MV8433N*1	84.6"	C-2513-2P	32
AERO COMMANDER 680T, 680V, 681 AERO COMMANDER	STC-SA924NW/1184NW AERO AIR	GARRETT TPE331-43B, -43L 575 HP @ 2000 RPM	HC-B3TN-5K T10178B-13Q T10178NB-13Q	88.5"	836-61	31
AERO COMMANDER 680F AERO COMMANDER	Experimental PICKETT AVIATION	LYCOMING IO-720-B1B 400 HP @ 2650 RPM	HC-A3MVK-2A MV8433NB-6Q	78.625"		34
AERO COMMANDER 685 AERO COMMANDER	2A4	CONTINENTAL GTSIO-520-F, -K 435 HP @ 2267 RPM	HC-H3YN-2(U)(F) FC8475+2 FC8475B+2	88" TO 87"	D-3273-1	35
AERO COMMANDER 690, A, B TURBO COMMANDER	2A4	GARRETT TPE331-5-251K, -252K 840 HP @ 1591 RPM	HC-B3TN-5DL, FL, NL LT10282+4 LT10282A+4 LT10282AB+4 LT10282B+4*1 LT10282NB+4*1	106.5" TO 105.0"	836-57P	36

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AERO COMMANDER 690, 690A, 690B TURBO COMMANDER	STC-SA546GL GULFSTREAM AMERICAN	GARRETT TPE331-5-251K 840 HP @ 1591 RPM	HC-B3TN-5DL, -5FL, -5NL LT10673B LT10673NB	106.0" TO 105.0"	836-57P	39
AERO COMMANDER 690, 690A, 690B, 690C TURBO COMMANDER	STC-SA1464NM AERO AIR	GARRETT TPE331-5-254K 715 HP @ 1591 RPM	HC-B3TN-5FL LT10673-2Q LT10673B-2Q LT10673N-2Q	104"	836-57P D-7330P	37
AERO COMMANDER 690, 690A, 690B TURBO COMMANDER	STC-SA1464NM AERO AIR	GARRETT TPE331-10T-512K, -515K, -516K 717 HP @ 1607 RPM	HC-B3TN-5FL LT10673-2Q LT10673B-2Q LT10673N-2Q LT10673NB-2Q	104.0"	836-57P D-7330P	1362
AERO COMMANDER 695, 695A, 695B, 690D TURBO COMMANDER	STC-SA2380NM AERO AIR	GARRETT TPE331-10-501K, -511K 820 HP @ 1591 RPM	HC-B3TN-5FL, -5NL LT10876ANS-2Q LT10876ANSB-2 LT10876AS-2Q	106.5" NO CUT OFF	836-57P D-7330P	40
AERO COMMANDER (CALLAIR) B1 (CALLAIR)	A7WE, A8WE	LYCOMING IO-720-A1A 400 HP @ 2650 RPM	HC-A3VK-4 V8433-4 V8433N-4	80.6" TO 78"	C-2513-2	2076
AERO COMMANDER (CALLAIR) B1 (CALLAIR)	A7WE, A8WE	LYCOMING IO-720-A1A 400 HP @ 2650 RPM	HC-A3MVK-4 MV8433N-4	80.6" TO 78"	C-2513-2	41
AERO COMMANDER (CALLAIR) B1A (CALLAIR)	A7WE, A8WE	PRATT & WHITNEY R985-AN1, AN3, AN14B, 1B5 450 HP @ 2300 RPM	HA-B3Z30-1 10160-6 10160N-6	95" NO CUT OFF	836-16R	42
AERO COMMANDER 200, 400 see PROP JETS INC.		HP @ RPM				43
AERO COMMANDER 700 see FUJI 700		HP @ RPM				44

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AERO COMMANDER THRUSH see AYRES		HP @ RPM				45
AERO ENGINES						
AIRCROUISER	Unknown	CONTINENTAL IO-360-D 210 HP @ 2800 RPM	BHC-C2YF-1BF F7663	74"	835-23	47
AERO MERCANTILE see EL GAVILAN S.A.		HP @ RPM				48
AERO VODOCHODY Ae 270 IBIS	Unknown	PRATT & WHITNEY PT6A-66A 850 HP @ 2000 RPM	HC-E4N-3P D9511FASK	96"	D-630-3P	2506
AEROCAR 1	4A16	LYCOMING O-320, O-340- R1A(2420/154hp) 143 HP @ 2300 RPM	HA-12UF L8032-4	76" TO 74.5"		49
AEROCAR 1	4A16	LYCOMING O-360-D2B 160 HP @ 2500 RPM	HA-12UF L8032-8	72" TO 70.5"		50
AEROCAR COOT AMPHIBIAN	Experimental	LYCOMING O-320-A 150 HP @ 2700 RPM	HC-C2YL-1BLF FL7663-6R	70"		51
AEROCAR COOT AMPHIBIAN	Experimental	FRANKLIN 6A-350-C1 220 HP @ 2800 RPM	HC-C2YF-1BLF FL8459A-8Q	76"		52
AEROCAR COOT AMPHIBIAN	Experimental	FRANKLIN 6A-335-A 180 HP @ 2800 RPM	HC-C2YF-1BLF FL8459A-10	74"		53
AEROCAR COOT AMPHIBIAN	Experimental	LYCOMING O-360-() 180 HP @ 2700 RPM	HC-C2YK-1BLF FL7666A-2	74"		54
AEROCAR COOT AMPHIBIAN	Experimental	FRANKLIN 6-335 180 HP @ 2800 RPM	HC-C3YF-1RLF FL7663-10	66"	835-38	55
AEROFAB see LAKE		HP @ RPM				56

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AEROMERE S.A. F.8.L FALCO	7A11	LYCOMING O-320-A1A 150 HP @ 2700 RPM	HC-82XL-1, HC-A2XL-1, HC-82XL-1F 7636-4	72.2" TO 70"	835-30 835-6	2077
AEROMERE S.A. F.8.L FALCO	7A11	LYCOMING O-320-A1A 150 HP @ 2700 RPM	HC-82VL-1, HC-A2VL-1, HC-82VL-1F V7636D-4	72.2" TO 70"	835-30 835-6	2078
AEROMERE S.A. F.8.L FALCO	7A11	LYCOMING O-320-A1A 150 HP @ 2700 RPM	HC-A2MVL-1 MV7636N-4	72.2" TO 70"	835-30 835-6	58
AEROMERE S.A. F.8.L FALCO	7A11	LYCOMING O-320-A1A 150 HP @ 2700 RPM	HC-C2YL-1BF F7663-4	72" TO 70"	835-20 835-33 A-3519	59
AERONCA see AMERICAN CHAMPION		HP @ RPM				1493
AERONCA 15AC SEDAN	SA302NW BURL'S AIRCRAFT	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YR-1BF F7666A	76 TO 72	835-33	2627
AERONCA 15AC SEDAN	SA02197AK BURL'S AIRCRAFT	LYCOMING O-360-A1A, A1D, A1F, A1F6, A1P 180 HP @ 2700 RPM	HC-C2YR-1BF F8477-4	80 TO 78	C-3568 C-3568-P	2628
AERONCA AIRCRAFT CORP. 15AC	A-802	CONTINENTAL C-145-2 with "D" s/n suffix 145 HP @ 2700 RPM	HA-12UF-3 8032-6	74.0" TO 72.0"		63
AERONCA AIRCRAFT CORP. 15AC, S15AC	STC-SA548CE JOHN R HARDY	CONTINENTAL IO-346-B 165 HP @ 2700 RPM	HC-C2YF-1BF F7663	76"		64
AERONCA AIRCRAFT CORP. O-58B	A-751	CONTINENTAL A-65-8 65 HP @ 2300 RPM	HA-12U 7214M 7414	74" TO 72"		65
AERONCA AIRCRAFT CORP. 65-()	A728	HP @ RPM	HA-12U 7214M 7414	74" TO 72"		66

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AERONORTEC see NORMAN AEROPLANE		HP @ RPM				67
AEROSPACE TECHNOLOGIES N22B, N24A, N22S, N22C NOMAD	A7PC	ALLISON 250-B17B, -B17C,E,F (420hp) 400 HP @ 2030 RPM	HC-A3VF-7, HC-A3VF-7B V10133N-11	90.63" TO 88.0"	835-39	2316
AEROSPACE TECHNOLOGIES N22B, N24A, N22S, N22C NOMAD	A7PC	ALLISON 250-B17B, -B17C,E,F (420hp) 400 HP @ 2030 RPM	HC-A3MVf-7B MV10133N-11	90.63" TO 88.0"	835-39	521
AEROSPATIALE GA7 COUGAR	A17SO	LYCOMING O-320-D1D 160 HP @ 2700 RPM	HC-F2YL-2UF FC7663D-3	73" TO 72"	D-4532-2	571
AEROSPATIALE (MORANE SAULNIER) 235C, E RALLYE 235C, E	7A14	LYCOMING O-540-B4B5 235 HP @ 2575 RPM	HC-C2YK-1BF F8468A-4	80.0" TO 77.0"	835-33	69
AEROSPATIALE (MORANE SAULNIER) MS893A, E , 180GT RALLYE COMMODORE,180GT	7A14	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-1B(F) F7666A-2	74" TO 72"	835-33	70
AEROSPATIALE (MORANE SAULNIER) MS 894A, MS 894E RALLYE MINERVA 220, MS 894E	7A14	FRANKLIN 6A-350-C1 220 HP @ 2800 RPM	HC-C2YF-1B(F) F8459-4	80.0" TO 76.0"		71
AEROSPATIALE (SOCATA) TB-9 TAMPICO	A51EU	LYCOMING O-320-D1A 160 HP @ 2700 RPM	HC-C2YL-1BF F7663A-4	72" TO 70"		72
AEROSPATIALE (SOCATA) TB-21 TRINIDAD TC	STC HARTZELL PROPELLER	LYCOMING TIO-540-AB1AD 250 HP @ 2575 RPM	HC-C3YR-1RF F7693F F7693FB	78"	A-2295-14 A-2295-3 A-2295-3P	1700
AEROSPATIALE (SOCATA) TB-21 TRINIDAD TC	A51EU	LYCOMING TIO-540-AB1AD 250 HP @ 2575 RPM	HC-C2YK-1BF F8477-4 F8477K-4	80.0" TO 78.0"		1350
AEROSPATIALE (SOCATA) TB-30 EPSILON	Unknown	LYCOMING AEIO-540-L1B5D 300 HP @ 2700 RPM	HC-C2YR-4CF FC8475-6*3	78" TO 76"		77

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AEROSPATIALE (SOCATA) TB-10 TOBAGO	A51EU	LYCOMING O-360-A1AD 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74.0" TO 72.0"		73
AEROSPATIALE (SOCATA) TB-20 TRINIDAD	A51EU	LYCOMING IO-540-C4D5D 250 HP @ 2575 RPM	HC-C2YK-1BF F8477-4 F8477K-4	80" TO 78"		74
AEROSPATIALE (SOCATA) TB-20 TRINIDAD	STC SA01192CH HARTZELL PROPELLER	LYCOMING IO-540-C4D5D 250 HP @ 2575 RPM	HC-C3YR-1RF F7693F*2 F7693FB*1	78-76	A-2295-14 A-2295-3 A-2295-3P	1699
AEROSPATIALE (SOCATA) TB-200 TOBAGO XL	A51EU	LYCOMING IO-360-A1B6 200 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74" TO 72"		75
AEROSPATIALE (SOCATA) TBM 700, TBM 850	A60EU	PRATT & WHITNEY PT6A-64, PT6A-66D 700 HP @ 2000 RPM	HC-E4N-3 E9083SK	91.0" TO 90.0"	D-630-1 D-630-1P	79
AEROSTAR AIRCRAFT PA-60-600, 601, 601P, 602P (LEFT SIDE) AEROSTAR	STC-SA1658NM MACHEN INC.	LYCOMING TIO-540-J2BD-MA 350 HP @ 2575 RPM	HC-C4YR-2 FC6660	70"	D-4511 D-4511-P	2517
AEROSTAR AIRCRAFT PA-60-601 AEROSTAR	SA1658NM MACHEN INC.	LYCOMING LTIO-540-U2A 350 HP @ 2500 RPM	HC-C3YR-2LUF FJC8468DB-14*1	72"	C-3258-L C-3258-LP	2518
AEROSTAR AIRCRAFT CORP. 360 AEROSTAR	A11WE	LYCOMING IO-360-E1A 180 HP @ 2700 RPM	HC-92WK-2B W8447-12R	71.6" TO 71"	835-30	999
AEROSTAR AIRCRAFT CORP. 400 AEROSTAR	A11WE	LYCOMING IO-360-D1A 200 HP @ 2700 RPM	HC-C3YR-2 FC7663-6	72" TO 71"	C-3258	1000
AEROSTAR AIRCRAFT CORP. PA-60-600, 601, 601P AEROSTAR	A17WE	LYCOMING IO-540-K1F5,-G1B5,-S1A5,-K1J5,-P1A5 290 HP @ 2575 RPM	HC-C3YR-2UF FC8468-8R FC8468B-8R*2	78" NO CUT OFF	C-3258-P	875

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AEROSTAR AIRCRAFT CORP. PA-60-600, 601, 601P AEROSTAR	STC-SA4307NM MACHEN INC.	LYCOMING IO-540-K1F5, -K1J5, S1A5 300 HP @ 2700 RPM	HC-C3YR-2UF FC8468D-14 FC8468DB-14*1	72"	C-3258-P	884
AEROSTAR AIRCRAFT CORP. PA-60-600, 601, 601P, 602P AEROSTAR	STC-SA1658NM MACHEN INC.	LYCOMING IO-540-S1A5-MM, -AA1A5-MM 350 HP @ 2500 RPM	HC-C3YR-2UF FC8468D-14 FC8468DB-14*1	72"	C-3258 C-3258-P	883
AEROSTAR AIRCRAFT CORP. PA-60-600, 601, 601P, 602P AEROSTAR	STC-SA4156NM MERLYN PRODUCTS	LYCOMING IO-540-S1A5, -AA1A5 350 HP @ 2500 RPM	HC-C3YR-2UF FC6660D	68.25" TO 67"	C-3258-P	887
AEROSTAR AIRCRAFT CORP. PA-60-600, -601P, -602P AEROSTAR	SA 4156NM MERLYN PRODUCTS	LYCOMING IO-540-K1F5,-G1B5,-S1A5,-K1J5,-P1A5 290 HP @ 2575 RPM	HC-C3YR-2UF FC8468B-8R*2	78" NO CUT OFF	C-3258-P	1870
AEROSTAR AIRCRAFT CORP. PA-60-600, 601, 601P, 602P AEROSTAR	STC-SA4156NM MERLYN PRODUCTS	LYCOMING TIO-540-J2BD, LTIO-540-J2BD 350 HP @ 2575 RPM	HC-C3YR-2UF, -2LUF FC6660D FC6660DB FJC6660D FJC6660DB	68.25" TO 67"	C-3258-P	886
AEROSTAR AIRCRAFT CORP. PA-60-600, 601, 601P, 602P AEROSTAR	STC-SA980NW MACHEN INC.	LYCOMING TIO-540-J2BD, LTIO-540-J2BD 350 HP @ 2575 RPM	HC-C3YR-2UF, -2LUF FC8468D-14 FJC8468D-14*1	72" TO 71"	C-3258-LP C-3258-P	880
AEROSTAR AIRCRAFT CORP. PA-60-600, 601, 601P, 602P (RIGHT SIDE) AEROSTAR	STC-SA1658NM MACHEN INC.	LYCOMING LTIO-540-J2BD-MA 350 HP @ 2575 RPM	HC-C4YR-2L FJC6660	70"	D-4511-L D-4511-LP	885
AEROSTAR AIRCRAFT CORP. PA-60-601P AEROSTAR	STC-SA980NW MACHEN INC.	LYCOMING TIO-540-R2AD, LTIO-540-R2AD 350 HP @ 2575 RPM	HC-C3YR-2UF, -2LUF FC8468-10Q FJC8468-10Q	76"	C-3258-LP C-3258-P	882
AEROSTAR AIRCRAFT CORP. PA-60-602P AEROSTAR	A17WE	LYCOMING IO-540-AA1A5 290 HP @ 2425 RPM	HC-C3YK-2UF FC8468-8R FC8468B-8R*2	78" NO CUT OFF	C-3258-P	876

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AEROSTAR AIRCRAFT CORP. PA-60-602P AEROSTAR	STC-SA3589NM MACHEN INC.	LYCOMING TIO-540-AA1A5 305 HP @ 2425 RPM	HC-C3YR-2UF FC8468D-14 FC8468DB-14*1	72"	C-3258-P	879
AEROSTAR AIRCRAFT CORP. PA-60-700P (left side) AEROSTAR	A17WE	LYCOMING LTIO-540-U2A 350 HP @ 2500 RPM	HC-C3YR-2LUF FJC7451 FJC7451B	76" TO 75"	D-4816-P	877
AEROSTAR AIRCRAFT CORP. PA-60-700P (right side) AEROSTAR	A17WE	LYCOMING TIO-540-U2A 350 HP @ 2500 RPM	HC-C3YR-2UF FC7451 FC7451B	76" TO 75"	D-4816-P	878
AEROTEC see AVIAT		HP @ RPM				81
AEROTEK II, INC. (CALLAIR) B1A CALLAIR	A7WE, A8WE	PRATT & WHITNEY R985-AN-1, AN-3, AN-14B, 1B5 450 HP @ 2300 RPM	HC-B3R30-4, -4B R10152-5.5R R10152N-5.5R	95.5" NO CUT OFF	836-32R	1589
AGUSTA see SIAI MARCHETTI		HP @ RPM				103
AIR & SPACE 18, 18A	1H17	LYCOMING O-360-A1D 180 HP @ 2700 RPM	HC-92ZK-8L L8447A-8 L8447AN-8	76"	835-6P	82
AIR & SPACE 18A	1H17	LYCOMING O-360-A1D 200 HP @ 2700 RPM	HC-C2YK-1BLF FL7666AS	76.0" TO 75.0"		84
AIR & SPACE 18, 18A	STC-SH156GL FARRINGTON A/C CORP	LYCOMING O-360-A1D 180 HP @ 2700 RPM	HC-C3YR-1RLF FL7663-4R	76"		83
AIR LLC EPIC	Experimental	PRATT & WHITNEY PT6A-67A 1200 HP @ 1700 RPM	HC-E4A-3D E10477SK	105	D-5500-1F D-5500-1P	2526
AIR TRACTOR AT-301, AT-302	SA7610SW Bailey Flying Service	Garrett TPE331-6 700 HP @ 2000 RPM	HC-B3TN-5M T10282N+4	106.5" TO 102.0"	D-3434-1 D-3434-1P	3027

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AIR TRACTOR AT-802	SA01852SE Flight Doctor West LLC	Garrett TPE331-14GR 1650 HP @ 1552 RPM	HC-B5MA-5H M11693NS	118.7"	E-5760 E-5760-P	2952
AIR TRACTOR AT-301, AT-302, AT-401 AIR TRACTOR	STC-SA8118SW FARM & RANCH	GARRETT TPE331-1-101Z 600 HP @ 2000 RPM	HC-B3TN-5C, -5M T10282+4 T10282N+4	106.5"	C-3043-3P	96
AIR TRACTOR AT-302 AIR TRACTOR	A9SW	LYCOMING LTP-101-600A-1A 599 HP @ 1950 RPM	HC-B3TN-3G T10282+6 T10282N+6	108.25" TO 106.5"	C-3065	86
AIR TRACTOR AT-400 AIR TRACTOR	A9SW	PRATT & WHITNEY PT6A-15AG, -27, -34, -34AG 680 HP @ 2200 RPM	HC-B3TN-3D T10282+4 T10282N+4 T10282NS+4 T10282S+4	106.5" TO 102.0"	C-3065 C-3065-P	88
AIR TRACTOR AT-400A AIR TRACTOR	A9SW	PRATT & WHITNEY PT6A-15AG,20(A,B),-21,-27,-34(AG) 550 HP @ 2200 RPM	HC-B3TN-3D T10282+4 T10282N+4 T10282NS+4 T10282S+4	106.5" TO 102.0"	C-3065 C-3065-P	89
AIR TRACTOR AT-300, AT-400 SERIES (see note)	STC SA00888SE CASCADE FLYING SERVICES	WALTER M601E-11 777 HP @ 2080 RPM	HC-B3TW-3 T10282N+4		D-3434-6 D-3434-6P	1770
AIR TRACTOR AT-402 AIR TRACTOR	A17SW	PRATT & WHITNEY PT6A-15AG,-34(AG),-27 680 HP @ 2200 RPM	HC-B3TN-3D T10282+4 T10282N+4 T10282NS+4 T10282S+4	106.5" TO 102.0"	C-3065 C-3065-P	90

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AIR TRACTOR AT-402A AIR TRACTOR	A17SW	PRATT & WHITNEY PT6A-11, -11AG, -20, -20A, -20B, -21 550 HP @ 2200 RPM	HC-B3TN-3D T10282+4 T10282N+4 T10282NS+4 T10282S+4	106.5" TO 102.0"	C-3065 C-3065-P	1078
AIR TRACTOR AT-402B AIR TRACTOR	A17SW	PRATT & WHITNEY PT6A-15AG, -27, -34(AG) 680 HP @ 2200 RPM	HC-B3TN-3D T10282+4 T10282N+4 T10282NS+4 T10282S+4	106.5" TO 102.0"	C-3065 C-3065-P	1068
AIR TRACTOR AT-501, AT-502 AIR TRACTOR	SA09189AC TURBINE CONVERSIONS, LTD	WALTER M601E-11 751 HP @ 2080 RPM	HC-B3TW-3 T10282NS+4		D-3434-6 D-3434-6P	1863
AIR TRACTOR AT-502 AIR TRACTOR	A17SW	PRATT & WHITNEY PT6A-34,-34AG, -34B, -36, 15AG, -27 750 HP @ 2200 RPM	HC-B3TN-3D T10282+4 T10282N+4 T10282NS+4 T10282S+4	106.5" TO 102"	C-3065 C-3065-P	92
AIR TRACTOR AT-502A AIR TRACTOR	A17SW	PRATT & WHITNEY PT6A-45R, 45A, -45B 1100 HP @ 1700 RPM	HC-B5MP-3C M10876ANS	111.2" TO 110.7"	D-3434-8 D-3434-8P	1059
AIR TRACTOR AT-502A AIR TRACTOR	A17SW	PRATT & WHITNEY PT6A-45A, -45B, -45R 1100 HP @ 1700 RPM	HC-B5MP-3A M10282A+6 M10282AN+6 M10282ANS+6 M10282AS+6	111.2" TO 110.7"	D-3434-8 D-3434-8P	1217
AIR TRACTOR AT-502B AIR TRACTOR	A17SW	PRATT & WHITNEY PT6A-15AG, -27, -34, -34AG, -34B, -36 750 HP @ 2200 RPM	HC-B3TN-3D T10282+4 T10282N+4 T10282NS+4	106.5" to 102"	D-3434-17P D-3434-6 D-3434-6P	1069

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AIR TRACTOR AT-502B -	Wayne Hanson	Pratt & Whitney PT6A-34AG 750 HP @ 1900 RPM	HC-B4TN-3C T10282NS	103"	D-3434-18 D-3434-18P	2820
AIR TRACTOR AT-503 AIR TRACTOR	A17SW	PRATT & WHITNEY PT6A-45R 1100 HP @ 1700 RPM	HC-B5MP-3C M10876ANS M10876AS	111.2" TO 110.7"	D-3434-8P	93
AIR TRACTOR AT-503A AIR TRACTOR	A17SW	PRATT & WHITNEY PT6A-34, -34AG 750 HP @ 2200 RPM	HC-B3TN-3D T10282+4 T10282N+4 T10282NS+4	106.5" TO 102"	C-3065 C-3065-P	1079
AIR TRACTOR AT-602 AIR TRACTOR	A19SW	PRATT & WHITNEY PT6A-45R, -60AG, -65AR, -65B, -65R, -65AG 1050 HP @ 1700 RPM	HC-B5MP-3C M10876ANS M10876AS	111.2" TO 110.7"	D-3434-8 D-3434-8P	1442
AIR TRACTOR AT-802 AIR TRACTOR	A19SW	PRATT & WHITNEY PT6A-65AG 1295 HP @ 1700 RPM	HC-B5MP-3F M11276NS	115.2" TO 114.7"	E-7256 E-7256-P	1642
AIR TRACTOR AT-802 AIR TRACTOR	A19SW	PRATT & WHITNEY PT6A-65R, -65AG 1295 HP @ 1700 RPM	HC-B5MP-3C M10876ANS M10876AS	111.2" TO 110.7"	D-3434-21 D-3434-21P D-3434-8 D-3434-8P	95
AIR TRACTOR AT-802 AIR TRACTOR	A19SW	PRATT & WHITNEY PT6A-67R, -67AF, -67AG 1424 HP @ 1700 RPM	HC-B5MA-3D M11276 M11276N M11276NS M11276S	115.2" TO 114.7"	D-5497-P	94
AIR TRACTOR AT-802 AIR TRACTOR	A19SW	PRATT & WHITNEY PT6A-67R, -67AF, -67AG 1424 HP @ 1700 RPM	HC-B5MA-3D M11691NS	118.7" TO 118.2"	D-5497 D-5497-P	1789

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AIR TRACTOR AT-802 AIR TRACTOR	A19SW	PRATT & WHITNEY PT6A-67R, -67AF, -67AG 1424 HP @ 1700 RPM	HC-B5MA-3DT M11276NS	115.2" TO 114.7"	D-5497	2449
AIR TRACTOR AT-802 AIR TRACTOR	A19SW	PRATT & WHITNEY PT6A-67R, -67AF, -67AG 1424 HP @ 1700 RPM	HC-B5MA-3DT M11691NS	118.7" TO 118.2"	D-5497	2651
AIR TRACTOR AT-802 AIR TRACTOR	A19SW	PRATT & WHITNEY PT6A-67R,-67AF,-67AG 1424 HP @ 1700 RPM	HC-B5MA-3D M11276NA M11276NSA	115.2" TO 114.2"	D-5497-P	2474
AIR TRACTOR AT-802 AIR TRACTOR	A19SW	PRATT & WHITNEY PT6A-65AG 1295 HP @ 1700 RPM	HC-B5MP-3F M11276NSA	115.2" TO 114.2"	E-7256 E-7256-P	2539
AIR TRACTOR AT-802 AIR TRACTOR	A19SW	PRATT & WHITNEY PT6A-67R,-67AF,-67AG 1424 HP @ 1700 RPM	HC-B5MA-3DT M11276NSA	115.2" TO 114.2"	D-5497	2545
AIRCRAFT ACQUISITION CORP. see HELIO		HP @ RPM				1488
AIRCRAFT DESIGNS INC. STALLION	Experimental	CONTINENTAL IO-550-G1B 285 HP @ 2500 RPM	PHC-C3YF-1RF F7691	78"		1370
AIRCRAFT PARTS & DEVELOPMENT A-9B	STC-SA98RM AIRCRAFT PARTS & DEVELOPMENT	LYCOMING IO-540-B1A5 290 HP @ 2575 RPM	HC-C3YR-1RF F8468A-6R	80"	835-36	97
AIRPLANE SERVICES see AERO COMMANDER (CALLAIR)		HP @ RPM				100
AIRTOURER COOPERATIVE LTD. AIRTOURER SUPER 150	A-7 (NZ)	LYCOMING O-320-E1A 150 HP @ 2700 RPM	HC-C2YL-1BF F7663A-3.5	72.5"		1900
AIRTOURER COOPERATIVE LTD. Airtourer T6 Airtourer T6	A-8 (NZ)	LYCOMING O-320-D1A, E1A 150 HP @ 2700 RPM	HC-C2YL-1BF F7663-4	72" - 70"		46

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AMERICAN AGVIATION (GRUMMAN) G-164 AG CAT	STC-SA7987SW AGRI-JET POWER	GARRETT TPE331-6-252 600 HP @ 2000 RPM	HC-B3TN-5M T10282+4	106.5" TO 101.0"	C-3043-3 C-3043-3P	1735
AMERICAN AGVIATION (GRUMMAN) G-164B AG CAT	1A16	PRATT & WHITNEY PT6A-20B, -34AG 600 HP @ 2200 RPM	HC-B3TN-3D T10282+4	106.5" TO 100.5"	D-3434-12 D-3434-12P	1727
AMERICAN AGVIATION (GRUMMAN) G-164B-34T, -15T; G-164D AG CAT	1A16	PRATT & WHITNEY PT6A-34AG; PT6A-15AG (680hp) 750 HP @ 2200 RPM	HC-B3TN-3D T10282+4 T10282N+4	106.5" TO 100"	D-3434-6 D-3434-6P	928
AMERICAN CHAMPION 11AC,11BC,S11AC,S11BC CHIEF (AERONCA)	A-761	CONTINENTAL A-65-8, C-85-8F 85 HP @ 2575 RPM	HA-12U 7214-4 7214-4M 7214M	74" TO 68"		292
AMERICAN CHAMPION 7GCA, 7GCB, 7GCC (AERONCA)	STC-SA283AL BACHNER'S AIRCRAFT	LYCOMING O-320 SERIES 150 HP @ 2700 RPM	HC-82XL-1, HC-A2XL-1 7636-4	72.2"		2112
AMERICAN CHAMPION 7GCA, 7GCB, 7GCC (AERONCA)	STC-SA283AL BACHNER'S AIRCRAFT	LYCOMING O-320 SERIES 150 HP @ 2700 RPM	HC-82VL-1, HC-A2VL-1 V7636N-4	72.2"		2113
AMERICAN CHAMPION 7GCA, 7GCB, 7GCC (AERONCA)	STC-SA283AL BACHNER'S AIRCRAFT	LYCOMING O-320 SERIES 150 HP @ 2700 RPM	HC-A2MVL-1 MV7636N-4	72.2"		283
AMERICAN CHAMPION 7GCA, 7GCB, 7GCC (AERONCA)	STC-SA283AL BACHNER'S AIRCRAFT	HP @ RPM	HC-C2YL-1B F7663-4	72"		284
AMERICAN CHAMPION 7GCBC (AERONCA)	STC-SA513AL NORTHLAND AVIATION	LYCOMING O-320-A3B 150 HP @ 2700 RPM	HC-C2YL-1BF F8468A-8R	76"		285
AMERICAN CHAMPION 8GCBC SCOUT	A21CE	LYCOMING O-360-C1A, -C1E, -C1G 180 HP @ 2700 RPM	HC-C2YR-1BF F7666A	76" TO 72"	836-52 836-52P	288
AMERICAN CHAMPION 8GCBC SCOUT	STC-SA530AL NORTHLAND AVIATION	LYCOMING O-360-C1A, -C1E, -C1G 180 HP @ 2700 RPM	HC-C2YR-1BF F7666A	76" TO 72"	836-52	289

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AMERICAN CHAMPION 8GCBC SCOUT	STC-SA742NW KENMORE AIR HARBOR	LYCOMING O-360-C1A 180 HP @ 2700 RPM	HC-C2YR-1BF F7666A	76"	836-52	1210
AMERICAN CHAMPION 8GCBC SCOUT	A21CE	LYCOMING O-360-C1A, C1E, C1G 180 HP @ 2700 RPM	HC-C3YR-1RF F7282	74" to 73"	A-2295-1P	1369
AMERICAN CHAMPION 8KCAB DECATHLON	A21CE	LYCOMING AEIO-320-E1B; IO-320-E1A, -E1B 150 HP @ 2700 RPM	HC-C2YL-4F FC7663-4*1	72" TO 70"	836-52	290
AMERICAN CHAMPION 8KCAB DECATHLON	A21CE	LYCOMING IO-320-E1A, -E1B, AEIO-320-E1B 150 HP @ 2700 RPM	HC-C2YL-4, -4F, -4BF FC7663-4	72.0" TO 70.0"	826-52 826-52P	1221
AMERICAN CHAMPION 8KCAB DECATHLON	A21CE	LYCOMING AEIO-360-H1A 180 HP @ 2700 RPM	HC-C2YR-4BF, -4CF FC7666A-2*1	74.0" TO 72.0"	836-52 836-52P	291
AMF PAKISTAN AERONAUTICAL COMP MFI-17 MUSHSHAK	Unknown	LYCOMING IO-360-A1B6 200 HP @ 2700 RPM	HC-C2YK-4BF FC7666A-2	74"		1664
AMF PAKISTAN AERONAUTICAL COMP MFI-17 SHAHBAZ	Unknown	CONTINENTAL TSIO-360-MB 210 HP @ 2700 RPM	HC-C2YF-1BF F8459-9R	75"	835-44	924
AMF PAKISTAN AERONAUTICAL COMP MFI-17 SUPER MUSHSHAK	Unknown	LYCOMING IO-540-V4A5 260 HP @ 2700 RPM	HC-C2YK-1BF F8477-8R	76.0" NO CUT OFF	835-41 A-4203 A-4203-P	1433
ANDERSON GREENWOOD 14	4A1	CONTINENTAL C-90-12FP 90 HP @ 2475 RPM	HA-12UF-1 L7214	72" TO 70.5"		101
ANDERSON GREENWOOD 51, 51A (BELLANCA)	A11SW	LYCOMING IO-540-C4B5, -A4D5 250 HP @ 2575 RPM	HC-E2YR-1BF, 1S F8465-7R	77" TO 76"	C-4565	102
ANTONOV AN-38	Unknown	GARRETT TPE331-14GR 1500 HP @ 1552 RPM	HC-B5MA-5A M11276NK-3	112.2"	E-5760-P	1064

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APEX DR 500 PRESIDENT	EU TC 45	LYCOMING IO-360-A1B6 200 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74"	A-2298-2 A-2298-2P	117
AVI PRO AIRCRAFT BEARHAWK	Experimental	LYCOMING O-540-A4A5 250 HP @ 2575 RPM	HC-C3YR-1RF F8068	82	C-3535-1 C-3535-1P	2663
AVIA LTD. 201 ACCORD	Unknown	CONTINENTAL IO-360-ES 210 HP @ 2800 RPM	PHC-H3YF-2KUF FC7453 FC7453B	76.0" TO 75.0"	C-4558-3P	1641
AVIAMILANO see SIAI MARCHETTI		HP @ RPM				104
AVIAN 1	H5EA	LYCOMING IO-360-C1A 200 HP @ 2700 RPM	HC-E2YK-1 FL7280+0.5	72"		105
AVIAT S-2(B, C) PITTS	Experimental	LYCOMING AEIO-540-D4A5 260 HP @ 2700 RPM	HC-C3YR-4A C7690E	78"	D-7267-P D-7409	1710
AVIAT A-1, A-1A, A-1B HUSKY	SA1446SE GATE 9 AIRCRAFT (AEROMARK)	LYCOMING O-360-C1G 180 HP @ 2700 RPM	HC-C2YR-1BF F8477-4 F8477-4*1	80" TO 78"	836-60 C-3568 C-3568-P	1557
AVIAT A-1 HUSKY	A22NM	LYCOMING O-360-C1G 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A F7666A*1	76" TO 72"	836-60	106
AVIAT A-1C-180, A-1C-200 HUSKY	A22NM	LYCOMING O-360-A1P, IO-360-A1D6 200 HP @ 2700 RPM	HC-C2YR-1BF F8477-4*1	80 to 78	836-60 836-60P C-3568 C-3568-P	2701
AVIAT A-1C-180 HUSKY	A22NM	LYCOMING O-360-A1P 180 HP @ 2700 RPM	HC-C2YR-1N N7605	76	836-60 836-60P	2891

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AVIAT S-2(B,C) PITTS	A8SO	LYCOMING AEIO-540-D4A5 260 HP @ 2700 RPM	HC-C3YR-4A C7690E	78"	D-7267-P	2678
AVIAT (CHRISTEN) EAGLE II	Experimental	LYCOMING AEIO-360-A1D 200 HP @ 2700 RPM	HC-C2YK-4CF FC7666A-2 FC7666A-4Q	74"	836-60	107
AVIAT (PITTS) S-1T PITTS	A8SO	LYCOMING AEIO-360-A1D, -A1E 200 HP @ 2700 RPM	HC-C2YK-4CF FC7666A-2	74" TO 72"	836-60	108
AVIAT (PITTS) S-1-11B PITTS SPECIAL	Experimental	LYCOMING AEIO-540-K1()5 300 HP @ 2700 RPM	HC-C3YR-1A 7690E	78" NO CUT OFF	D-6936-P	1224
AVIAT (PITTS) S-2A PITTS	A8SO	LYCOMING IO-360-A1A, AEIO-360-A1A, - A1E 200 HP @ 2700 RPM	HC-C2YK-4AF FC7666A-2	74" TO 72"	836-60	109
AVIAT (PITTS) S-2(B,C) PITTS	A8SO	LYCOMING AEIO-540-D4A5 260 HP @ 2700 RPM	HC-C3YR-1A 7690E	78" NO CUT OFF	D-6936-P	1226
AVIAT (PITTS) S-2S, S-2B PITTS	A8SO	LYCOMING AEIO-540-D4A5 260 HP @ 2700 RPM	HC-C2YR-4CF FC8477A-4*1	80.0" TO 78.0"	836-60 836-60P	110
AVIAT (PITTS) S-2S PITTS	Experimental	LYCOMING AEIO-540-D4A5 260 HP @ 2700 RPM	HC-C2YR-4CF FC8477	84"	836-60	113
AVIONS MUDRY CAP 20	Unknown	LYCOMING AIO-360-B1A 200 HP @ 2700 RPM	HC-C2YK-4F FC7666A*1	76"	C-2513-5	669
AVIONS PIERRE ROBIN HR 100/200	EASA TC 61	LYCOMING IO-360-A1D6 200 HP @ 2700 RPM	HC-F2YR-1F F7666A-2	74"		115
AVIONS PIERRE ROBIN HR 100/210	Unknown	CONTINENTAL IO-360-C, -D(B) 210 HP @ 2800 RPM	BHC-J2YF-1BF F7663	76"	835-23 835-23P	116
AVIONS PIERRE ROBIN ROBIN	Unknown	LYCOMING O-540-C4B5 250 HP @ 2575 RPM	HC-C2YK-1BF F8477-4	80"	835-23	119

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AVIONS PIERRE ROBIN ROBIN	Unknown	LYCOMING O-540-B4B5 235 HP @ 2575 RPM	HC-C2YK-1BF F8468-6R	78"	835-23	118
AVIPRO AIRCRAFT Bearhawk	Experimental	Lycoming IO-390-X 210 HP @ 2700 RPM	HC-C2YR-1BFP F8477-4	80"	A-2298-2P	3180
AVIPRO AIRCRAFT BEARHAWK	Experimental	LYCOMING O-540-A4A5 250 HP @ 2575 RPM	HC-C2YR-1BF F8477-4	80"	A-2298-2 A-2298-2P	2426
AYRES S-2R TURBO THRUSH	SA00902CH TURBINE CONVERSIONS, LTD	WALTER M601E-11 777 HP @ 2080 RPM	HC-B3TW-3 T10282NS+4		D-3434-6 D-3434-6P	1862
AYRES S-2R TURBO THRUSH	STC-SA4039SW PAGE INDUSTRIES	LYCOMING LTP-101-600A 600 HP @ 1950 RPM	HC-B3TN-3D T10282 T10282N	102.0"	C-3065	127
AYRES S-2R-T() TURBO THRUSH	STC (SOUTH AFRICA) ORSMOND AERIAL SPRAYING	PRATT & WHITNEY PT6A-61 845 HP @ 2000 RPM	HC-B3TN-3AE T10290N	102" max. refer to STC for min.	D-3434-12 D-3434-12P	1633
AYRES S-2R TURBO THRUSH	STC SA3927WE FLOYD D. STILWELL	GARRETT TPE331-1() 665 HP @ 2000 RPM	HC-B3TN-5E T10282N+4	106.5"	C-3043-2P	128
AYRES S-2R TURBO THRUSH	STC-SA5953NM GOERING AIRCRAFT	GARRETT TPE331-1, -2, -5 665 HP @ 2000 RPM	HC-B3TN-5V T10290N+2	104" max. refer. to STC for min.	C-3043-2 C-3043-2P C-3043-3 C-3043-3P	1542
AYRES S-2R TURBO THRUSH	STC-SA5953NM GOERING AIRCRAFT	GARRETT TPE331-1-151(A,G,K), -2- 201(A,C), -5-252(B,M) 665 HP @ 2000 RPM	HC-B3TN-5C, -5M T10282+4 T10282N+4	106.5" TO 102.0"	C-3043-2 C-3043-2P C-3043-3 C-3043-3P	131
AYRES S-2R TURBO THRUSH	STC-SA5953NM GOERING AIRCRAFT	GARRETT TPE331-5-252 776 HP @ 1591 RPM	HC-B4TN-5NL LT10890N	109.5"	D-3434-7 D-3434-7P	1793

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AYRES S-2R TURBO THRUSH	STC-SA8685SW AAA FLYING SERVICE	GARRETT TPE331-1-151(A,G,K), -2-201A 600 HP @ 2000 RPM	HC-B3TN-5C, -5M T10282+4 T10282N+4	106.5" TO 102.0"		132
AYRES S-2R-G1 TURBO THRUSH	STC-SA3237WE AYRES CORPORATION	GARRETT TPE331-1-151A 665 HP @ 2000 RPM	HC-B3TN-5M T10282+4	106.0" TO 98.0"	D-3434-1 D-3434-1P	1072
AYRES S-2R-G5, -G10 TURBO THRUSH	A4SW	GARRETT TPE331-5 (TPE-331-10, S2R-G10) 900 HP @ 1591 RPM	HC-B4TN-5NL LT10890N*1	109.5" TO 107.5"	D-3434-7P	1181
AYRES S-2R-T11 TURBO THRUSH	A4SW, A3SW	PRATT & WHITNEY PT6A-11AG 500 HP @ 2200 RPM	HC-B3TN-3C T10282 T10282N	102.0" TO 92.5		120
AYRES S-2R-T11, -T15, -T34 TURBO THRUSH	A4SW	PRATT & WHITNEY PT6A-34(AG), -36, 41(AG) 750 HP @ 2200 RPM	HC-B3TN-3C, -3D T10282+4 T10282N+4	106.5" TO 98.0" *	D-3434-12 D-3434-12P	123
AYRES S-2R-T15 TURBO THRUSH	A4SW, A3SW	PRATT & WHITNEY PT6A-15AG 680 HP @ 2200 RPM	HC-B3TN-3C T10282 T10282N	102.0" TO 92.5"		121
AYRES S-2R-T34 TURBO THRUSH	A4SW, A3SW	PRATT & WHITNEY PT6A-34AG 750 HP @ 2200 RPM	HC-B3TN-3C T10282 T10282N	102.0" TO 92.5"	D-3434-12	122
AYRES S-2R-1340, -G(5,6,10), -R3S, -R1820, -T(6,11,15,34,45,65) TURBO THRUSH	STC-SA00172SE AG AIR SYSTEMS	GARRETT TPE331-5, -10 900 HP @ 1591 RPM	HC-B4TN-5NL LT10890N	109.5"	D-3434-7 D-3434-7P	1725
AYRES S-2R-1340, -G(5,6,10), -R3S, -R1820, -T(6,11,15,34,45,65) TURBO THRUSH	STC-SA00172SE AG AIR SYSTEMS	GARRETT TPE331-5, -10 900 HP @ 1591 RPM	HC-B4TN-5PL LT10890N	109.5"	C-3410 C-3410P D-3434-7 D-3434-7P	1180

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AYRES S-2R-G6 TURBO THRUSH	A4SW	GARRETT TPE331-6 700 HP @ 2000 RPM	HC-B3TN-5M T10282N+4	106.5" TO 102.0"	D-3434-1 D-3434-1P	130
AYRES S-2RHG-T65 TURBO THRUSH	A4SW, A3SW	PRATT & WHITNEY PT6A-60AG AND -65AG 1230 HP @ 1700 RPM	HC-B5MP-3C M10876ANS M10876AS	111.2" TO 110.7"	D-3434-8 D-3434-8P	125
AYRES S-2R-T65 TURBO THRUSH	A4SW, A3SW	PRATT & WHITNEY PT6A-65AG 1230 HP @ 1700 RPM	HC-B5MP-3C M10876ANS	111.2" TO 110.7"	D-3434-8 D-3434-8P	124
BAE (JETSTREAM) 137 JETSTREAM	STC SA2293SW JETSTREAM, INC.	PRATT & WHITNEY PT6A-34 750 HP @ 2200 RPM	HC-B3TN-3D T10282B-6 T10282NB-6	96.0"		572
BAE (JETSTREAM) 137 JETSTREAM	STC SA3425WE CAMERON & STAHL	GARRETT TPE331-3U-303V 840 HP @ 2000 RPM	HC-B3TN-5E T10178NBR	101.5"	C-3043-3P	573
BAE (JETSTREAM) 137 JETSTREAM	STC SA3425WE CAMERON & STAHL	GARRETT TPE331-3U-303V 840 HP @ 2000 RPM	HC-B3TN-5K T10178N-4R T10178NB-4R	97.5"	C-3043-3P	574
BAE (SCOTTISH AVIATION) B.125 BULLDOG	Unknown	LYCOMING IO-360-A1B6 200 HP @ 2700 RPM	HC-C2YR-4BF FC7666A-2	74"	835-41 C-2513-5	935
BAE (SCOTTISH AVIATION) B.206 SERIES 2 BEAGLE	A11EU	CONTINENTAL GTSIO-520-C 340 HP @ 2400 RPM	HC-A3VF-2D V8433	88.375" TO 86.375"	835-29 835-31P	2327
BAE (SCOTTISH AVIATION) B.206 SERIES 2 BEAGLE	A11EU	CONTINENTAL GTSIO-520-C 340 HP @ 2400 RPM	HC-A3MVF-2D MV8833N	88.375" TO 86.375"	835-29 835-31P	936
BAE (SCOTTISH AVIATION) B.206 SERIES 2 BEAGLE	Unknown	CONTINENTAL GTSIO-520-C 340 HP @ 2400 RPM	HC-A3VF-2D V8833N-2Q	86.375"	835-31P	2298

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B.206 SERIES 2 BEAGLE	Unknown	CONTINENTAL GTSIO-520-C 340 HP @ 2400 RPM	HC-A3MVF-2D MV8833N-2Q	86.375"	835-31P	1522
BAUGER SAIL PLANE	Unknown	LYCOMING O-290-D 125 HP @ 2700 RPM	HC-82XL-2, HC-A2XL-2 7636-4	72.2"		2081
BAUGER SAIL PLANE	Unknown	LYCOMING O-290-D 125 HP @ 2700 RPM	HC-82VL-2, HC-A2VL-2 V7636N-4	72.2"		2082
BAUGER SAIL PLANE	Unknown	LYCOMING O-290-D 125 HP @ 2700 RPM	HC-A2MVL-2 MV7636N-4	72.2"		134
BEDE BD-4	EXPERIMENTAL	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YR-1BF F7666A	76-72"	835-33 835-33P	2726
BEECH A36, A36TC BONANZA	SA3523NM TRADEWIND TURBINES	ALLISON 250-B17C 425 HP @ 2030 RPM	HC-B3TF-7A T9212NK-2	90"	835-39EP	2632
BEECH E55, E55A BARON	STC-SA773CE HARTZELL PROPELLER	CONTINENTAL IO-520-C 285 HP @ 2700 RPM	BHC-J2YF-2C(F) FC8475-6	78" TO 76"	C-2285-1P	2421
BEECH 95-55, 95-(A)(B)55, 95-B55A, 95-B55B Baron	SA01463WI Hartzell Propeller	Continental IO-470-L 260 HP @ 2625 RPM	PHC-C3YF-2UF FC7391D	75" to 73.5"	C-3567-1 C-3567-1P	2963
BEECH C18S [(C-45(A, F), UC-45(B, F), AT-7 (A, B, C), JRB-(1, 2, 3, 4), SNB-2(C))] TWIN BEECH	A757	PRATT & WHITNEY WASP JR., R-985 SERIES 450 HP @ 2300 RPM	HC-B3R30-2E(A) R10152-5.5 R10152B-5.5 R10152N-5.5	95.5" NO CUT OFF	836-32SPR	135
BEECH C-45G,H; TC-45G,H,J; RC-45J TWIN BEECH	A765	PRATT & WHITNEY R985-AN-14B 450 HP @ 2300 RPM	HC-B3(Z,W)30-2E 10160-6	95" NO CUT OFF	836-16 836-17	139
BEECH C-45G,H; TC-45G,H,J; RC-45J TWIN BEECH	A765	PRATT & WHITNEY R985-AN-14B 450 HP @ 2300 RPM	HC-B3(Z,W)30-2E 10152-5.5	95.5" NO CUT OFF	836-16 836-17S	138

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<u>Model/Trade Name:</u>	<u>Aircraft T.C./STC No/ Modifier:</u>	<u>Engine/ Power:</u>	<u>Propeller/Blade Model(s):</u>	<u>Prop Diameter:</u>	<u>Spinner:</u>	<u>IDS Ref. No.:</u>
BEECH D18S,E18S,G18S,H18; 3N,3NM,3TM TWIN BEECH	A765	PRATT & WHITNEY R985-AN-14B 450 HP @ 2300 RPM	HC-B3(Z,W)30-2E 10160-6	95" NO CUT OFF	836-16 836-17	137
BEECH D18S,E18S,G18S,H18; 3NM,3N,3TM TWIN BEECH	A-765	PRATT & WHITNEY R985-AN-14B 450 HP @ 2300 RPM	HC-B3(P,R,W,Z)30-2E 10152-5.5	95.5" NO CUT OFF	836-16 836-17S	136
BEECH C18S [(C-45(A,F), UC-45(B,F), AT-7(A,B,C), JRB-(1,2,3,4), SNB-2(C) TWIN BEECH	A757	PRATT & WHITNEY WASP JR., R-985 SERIES 450 HP @ 2300 RPM	HC-B3W30-2E(A) W10152-5.5 W10152N-5.5	95.5" NO CUT OFF	836-32SPR	2676
BEECH C18S [(C-45(A,F), UC-45(B,F), AT-7(A,B,C), JRB-(1,2,3,4), SNB-2(C) TWIN BEECH	A757	PRATT & WHITNEY WASP JR., R-985 SERIES 450 HP @ 2300 RPM	HC-B3Z30-2EA 10152N-5.5	95.5" NO CUT OFF	836-32SPR	2677
BEECH C18S, AT-11 TWIN BEECH	STC-SA1-50 HARTZELL PROPELLER	PRATT & WHITNEY R985 (with 4.5 & 9 damper) 450 HP @ 2300 RPM	HC-(9,B)3(Z,W,P,R)30-2C, -2E 10152-5.5 10152N-5.5	95.5" NO CUT OFF	836-32SR	140
BEECH C18S, AT-11 TWIN BEECH	STC-SA1-50 HARTZELL PROPELLER	PRATT & WHITNEY R985 (with 4.5 & 9 damper) 450 HP @ 2300 RPM	HC-B3(Z,W)30-2E 10160-6 10160N-6	95" NO CUT OFF	836-32SR	141
BEECH D18S, C-45G, C-45H TWIN BEECH	STC-SA1-118 HARTZELL PROPELLER	PRATT & WHITNEY R985 (with 4.5 & 9 damper) 450 HP @ 2300 RPM	HC-(9,B)3(Z,W,P,R)30-2E 10152-5.5 10152N-5.5	95.5" NO CUT OFF	836-32SR	142
BEECH D18S, C-45G, C-45H TWIN BEECH	STC-SA1-118 HARTZELL PROPELLER	PRATT & WHITNEY R985 (with 4.5 & 9 damper) 450 HP @ 2300 RPM	HC-B3(Z,W)30-2E 10160-6 10160N-6	95" NO CUT OFF	836-32SR	143
BEECH 18 SERIES TWIN BEECH	STC-SA1-174 CHAMBERLAIN AV.	PRATT & WHITNEY R985 450 HP @ 2300 RPM	HC-93Z30-2C 10152-5.5 10152N-5.5	95.5"		144

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BEECH C45 TWIN BEECH	STC-SA3442 HAMILTON AIRCRAFT	PRATT & WHITNEY R985 450 HP @ 2300 RPM	HC-93Z30-2D 10152-5.5 10152N-5.5 10160-6 10160N-6	95.5"		145
BEECH 18, C45 TWIN BEECH	STC-SA4-113 AIRLINE TRAINING	PRATT & WHITNEY R985-AN4, -AN10, -AN14B 450 HP @ 2300 RPM	HC-93Z30-2C 10152-5.5 10152N-5.5	95.5" MIN	836-16	146
BEECH 18S TWIN BEECH	STC-SA890CE AIR TRANSPORT CORP	LYCOMING TIGO-541-B1A 450 HP @ 2133 RPM	HC-B3WN-2L LW10151-3 LW10151N-3	98.4"	836-42	147
BEECH TURBO 18 TWIN BEECH	STC-SA1171WE VOLPAR INC.	GARRETT TPE331-1-101B 575 HP @ 2000 RPM	HC-B3TN-5C T10178-7Q T10178N-7Q	94"	C-3043-3	148
BEECH TURBO 18 TWIN BEECH	STC-SA3385WE VOLPAR INC.	GARRETT TPE331-1-101B 575 HP @ 2000 RPM	HC-B3TN-5M T10178-5Q T10178B-5Q T10178B-5Q*1 T10178N-5Q T10178NB-5Q	96.0"	C-3043-3 C-3043-3P	159
BEECH (D,E)18(C,S) (T,C)45(G,H) TWIN BEECH	STC-SA1016WE HAMILTON A/C CORP	PRATT & WHITNEY PT6A-6, -20 550 HP @ 2200 RPM	HC-B3TN-3B T10173E-8*1	93.5"	C-3006P C-3065	160
BEECH 18 TWIN BEECH	STC-SA793SW DEE HOWARD	PRATT & WHITNEY PT6A-20 550 HP @ 2200 RPM	HC-B3TN-3B T10173-5 T10173N-5	96.5" TO 90.4"	C-3065	161
BEECH B24R SIERRA	A1CE	LYCOMING IO-360-A1B6 200 HP @ 2700 RPM	HC-M2YR-1BF F7666A-2R	74" NO CUT OFF	A-2298-2	162
BEECH C24R SIERRA	A1CE	LYCOMING IO-360-A1B6 200 HP @ 2700 RPM	HC-M2YR-1BF F7666A	76" NO CUT OFF	A-2298-2P	163

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BEECH 35-33,35-(A,B,C) DEBONAIR	3A15	CONTINENTAL IO-470-K 225 HP @ 2600 RPM	BHC-92ZF-1D1 8447 8447N	84" TO 82"	837-3	167
BEECH 35-C33A, E33A, F33A BONANZA	3A15	CONTINENTAL IO-520-B, -BA, -BB 285 HP @ 2700 RPM	PHC-A3VF-4 V8433-2R V8433N-2R	82.6" TO 78.25"		2356
BEECH 35-C33A,E33A,F33A BONANZA, DEBONAIR	3A15	CONTINENTAL IO-520-B,-BA,-BB 285 HP @ 2700 RPM	PHC-A3VF-4 V8433-2R	82.6" TO 78.25"	837-8	2083
BEECH 35-C33A,E33A,F33A BONANZA, DEBONAIR	3A15	CONTINENTAL IO-520-B,-BA,-BB 285 HP @ 2700 RPM	PHC-A3VF-4 V8433-4R	82.6" TO 78.25"	837-8	2301
BEECH 35-C33A,E33A,F33A BONANZA, DEBONAIR	3A15	CONTINENTAL IO-520-B,-BA,-BB 285 HP @ 2700 RPM	PHC-A3MVF-4 MV8433N-2R	82.6" TO 78.25"	837-8	1563
BEECH 35-C33A,E33A,F33A BONANZA, DEBONAIR	3A15	CONTINENTAL IO-520-B,-BA,-BB 285 HP @ 2700 RPM	PHC-A3MVF-4 MV8433N-2R	82.6" TO 78.25"	837-8	169
BEECH (E,F,G)33, (J,K,M,N,P)35, 35-33, 35- (A,B,C)33 BONANZA, DEBONAIR	STC-SA818CE HARTZELL PROPELLER	CONTINENTAL IO-470-C,-J,-K,-N 260 HP @ 2625 RPM	BHC-L2YF-1BF F8468AR	84.0" TO 82.5"	A-2295 A-2295-P	175
BEECH G33 BONANZA	STC-SA818CE HARTZELL PROPELLER	CONTINENTAL IO-470-N 260 HP @ 2625 RPM	BHC-L2YF-1BF F8468AR	84" TO 82.5"	A-2295	173
BEECH (E,F,G)33, (J,K,M,N,P)35, 35-33, 35- (A,B,C)33 BONANZA, DEBONAIR	STC-SA818CE HARTZELL PROPELLER	CONTINENTAL IO-470-C,-J,-K,-N 260 HP @ 2625 RPM	PHC-L3YF-1RF F8468A-6R	80.0" TO 78.5"	A-2295-1P	174
BEECH 33 & 35 SERIES BONANZA	STC-SA168CH D'SHANNON PRODUCTS	CONTINENTAL IO-470-C,-J,-K,-N 260 HP @ 2625 RPM	PHC-L3YF-1RF F8468A-6R	80"	A-2295-1	194

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BEECH 33, 35 BONANZA	SA01561CH D'SHANNON PRODUCTS	CONTINENTAL IO-470-C, -N 260 HP @ 2625 RPM	PHC-L3YF-1RF F8068-2 F8068-2*1	82" TO 78"	A-2295-1P	1852
BEECH 33, 35 BONANZA	SA01561CH D'SHANNON PRODUCTS	CONTINENTAL IO-470-K 225 HP @ 2600 RPM	PHC-L3YF-1RF F8068 F8068*1 F8068-2 F8068-2*1	82" TO 78"	A-2295-1P	1936
BEECH 33,35,36 SERIES (SEE NOTE) BONANZA	SA01668CH D'SHANNON PRODUCTS	CONTINENTAL IO-550-B 300 HP @ 2700 RPM	PHC-L3YF-1RF F8068	82" TO 78"	A-2295-1P	2498
BEECH 33, 35, 36 (SEE NOTES) BONANZA	SA10135SC HARTZELL PROPELLER	CONTINENTAL IO-520-B, BA, BB; IO-550-B 300 HP @ 2700 RPM	PHC-C3YF-1RF F8068*4	82" TO 78"	A-2295-1P A-2295-2P	1977
BEECH 33,35,36 SERIES (SEE NOTES) BONANZA	SA01668CH D'SHANNON PRODUCTS	CONTINENTAL IO-550-B 300 HP @ 2700 RPM	PHC-C3YF-1RF F8068	82" TO 78"	A-2295-1P	2499
BEECH 35-C33A, E33A, E33C, F33A, F33C BONANZA	STC-SA785CE HARTZELL PROPELLER	CONTINENTAL IO-520-BA,-BB 285 HP @ 2700 RPM	BHC-C2YF-1BF F8468AR	84" TO 82"	A-2295	178
BEECH 35-C33A, E33A, F33(A,C), G33,36, A36, S35, V35(A,B) BONANZA	SA5223NM ENGINE TECHNOLOGIES INC.	CONTINENTAL IO-520-B,-BA,-BB/IO-550-B 285 HP @ 2700 RPM	PHC-C3YF-1R(F) F8068 F8068*2	82"	A-2295-1	1787
BEECH 35-C33A, E33C, F33(A,C), 36, A36, S35, V35(A,B) BONANZA	STC-SA785CE HARTZELL PROPELLER	CONTINENTAL IO-520-B,-BA,-BB 285 HP @ 2700 RPM	PHC-C3YF-1R(F) F8468-6R F8468A-6R	80.0" TO 78.0"	A-2295-1P	180
BEECH 35-C33A, S35, V35(A,B) BONANZA	STC-SA450CH D'SHANNON PRODUCTS	CONTINENTAL IO-520-B, -BA, -BB 285 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	A-2295-1P	1177
BEECH E33(A,C), F33(A,C) BONANZA	STC-SA450CH D'SHANNON PRODUCTS	CONTINENTAL IO-520-B, -BA, -BB 285 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	A-2295-1P	1176

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BEECH E33(A,C), F33(A,C), G33 BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-520-B, -BA, -BB 285 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	A-2295-1P	1243
BEECH E33(A,C), F33(A,C), G33 BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-520-B, -BA, -BB 285 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1P	1238
BEECH E33(A,C), F33(A,C), G33 BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-520-B,-BA,-BB 285 HP @ 2700 RPM	PHC-L3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1P	196
BEECH 33, 35, 36 BONANZA	STC-SA01548CH D'SHANNON PRODUCTS	CONTINENTAL IO-550-B, IO-520-B, BA, BB 300 HP @ 2700 RPM	PHC-C3YF-1RF F8068 F8068*1 F8068*5	82" TO 78"	A-2295-1P	1809
BEECH 33, 35, 36 (See Notes) BONANZA	SA02556CH-D HARTZELL PROPELLER	CONTINENTAL IO-520B, BA, BB, IO-550-B 300 HP @ 2700 RPM	PHC-C3YF-1RF F8068K*2	82" TO 80"	A-2295-2 A-2295-2P	2759
BEECH 35, 33 BONANZA	STC-SA01548CH D'SHANNON PRODUCTS	CONTINENTAL IO-550-B, IO-520-B, BA, BB 300 HP @ 2700 RPM	PHC-L3YF-1RF F8068 F8068*1	82" TO 78"	A-2295-1P	1941
BEECH E33(A,C), F33(A,C), G33 BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-550-B 300 HP @ 2700 RPM	PHC-L3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1P	1233
BEECH E33(A,C), F33(A,C), G33 BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-550-B 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1P	195
BEECH E33(A,C), F33(A,C), G33 BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-550-B 300 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	A-2295-1P	1244
BEECH A45 (T-34A), B45 MENTOR	5A3	CONTINENTAL IO-470-N 260 HP @ 2625 RPM	BHC-L2YF-4F FC8468AR	84.0" NO CUT OFF	A-2297	206
BEECH T34C, T34C-1 MENTOR (TURBOPROP)	A26CE	PRATT & WHITNEY PT6A-25, -25A 550 HP @ 2200 RPM	HC-B3TN-3H T10173-11R T10173N-11R	90.5" TO 88"	C-3065-6	209

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BEECH T34A, A45, B45 MENTOR	STC-SA876CE BEECH	CONTINENTAL IO-470-N 260 HP @ 2625 RPM	BHC-L2YF-4BF FC8468AR	84" NO CUT OFF	A-2297	207
BEECH T34A MENTOR	SA1864SW NOGLE & BLACK AV.	CONTINENTAL IO-520-B,-BA,-BB & IO-550B 285 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R F8468A-6R*1	80"	A-2295-1 A-2295-1P	208
BEECH T-34A, B Mentor	SA02773CH Aircraft Product Systems	Continental IO-550-R 300 HP @ 2700 RPM	HC-C3YF-1RF F8068	82"	A-2295-1 A-2295-1P	2948
BEECH 35, A35 BONANZA	A-777	CONTINENTAL E-185-1 HP @ RPM	HC-D2X20-7 8433			2416
BEECH 35, A35 BONANZA	A-777	CONTINENTAL E-185-1 HP @ RPM	HC-D2X20-7 8433			2350
BEECH 35, A35 BONANZA	A-777	CONTINENTAL E-185-1 HP @ RPM	HC-D2V20-7 V8433 V8433N			2351
BEECH 35, A35 BONANZA	A777	CONTINENTAL E-185-1 185 HP @ 2300 RPM	HC-D2MV20-7 MV8433N	84" TO 82.5"		164
BEECH 35, A35, B35 BONANZA	A-777	CONTINENTAL E-185-1, E-185-8 HP @ RPM	HC-D2X20-7 8433			2352
BEECH 35, A35, B35 BONANZA	A-777	CONTINENTAL E-185-1, E-185-8 HP @ RPM	HC-D2V20-7 V8433 V8433N			2353
BEECH 35, A35, B35 BONANZA	A-777	CONTINENTAL E-185-1, E-185-8 205 HP @ 2600 RPM	HC-D2MV20-7 MV8433N	84" TO 82.5"		165
BEECH S35, V35 BONANZA	3A15	CONTINENTAL IO-520-B,-BA,-BB,-N;TSIO-520-D 285 HP @ 2700 RPM	PHC-A3VF-4 V8433-2R V8433N-2R	82.6" TO 78.25"	837-8	2084

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BEECH V35A, V35B BONANZA	3A15	CONTINENTAL IO-520-B,-BA,-BB,- N;TSIO-520-D 285 HP @ 2700 RPM	PHC-A3VF-4 V8433-4R V8433N-4R	82.6" TO 78.25"	837-8	2085
BEECH 35-C33 DEBONAIR	3A15	CONTINENTAL IO-470-K 225 HP @ 2600 RPM	PHC-A3VF-4 V8433-4R V8433N-4R	80.0" TO 78.25"	837-9	2311
BEECH S35, V35 BONANZA	3A15	CONTINENTAL IO-520-B,-BA,-BB,- N;TSIO-520-D 285 HP @ 2700 RPM	PHC-A3VF-4 V8433-4R V8433N-4R	82.6" TO 78.25"	837-8	2302
BEECH S35, V35 BONANZA	3A15	CONTINENTAL IO-520-B,-BA,-BB,- N;TSIO-520-D 285 HP @ 2700 RPM	PHC-A3MVF-4 MV8433N-2R MV8433N-4R	82.6" TO 78.25"	837-8	170
BEECH S35, V35 BONANZA	3A15	CONTINENTAL IO-520-B,-BA,-BB,- N;TSIO-520-D 285 HP @ 2700 RPM	PHC-A3MVF-4 MV8433N-2R MV8433N-4R	82.6" TO 78.25"	837-8	1564
BEECH V35A, V35B BONANZA	3A15	CONTINENTAL IO-520-B,-BA,-BB,- N;TSIO-520-D 285 HP @ 2700 RPM	PHC-A3MVF-4 MV8433N-4R	82.6" TO 78.25"	837-8	171
BEECH 35 SERIES BONANZA	STC-SA4-785 RK WILSON	HP @ RPM	HC-12X20-7D 8433	84"		2090
BEECH 35 SERIES BONANZA	STC-SA4-785 RK WILSON	HP @ RPM	HC-12V20-7D V8433 V8433N	84"		2091
BEECH 35 SERIES BONANZA	STC-SA4-785 R.K. WILSON	HP @ RPM	HC-D2X20-7 8433			2346
BEECH 35 SERIES BONANZA	STC-SA4-785 R.K. WILSON	HP @ RPM	HC-D2V20-7 V8433 V8433N			2347

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BEECH 35 SERIES BONANZA	STC-SA4-785 RK WILSON	HP @ RPM	HC-D2MV20-7 MV8433N	84"		189
BEECH 35 SERIES BONANZA	STC-SA4-819 TORBET AIRCRAFT	HP @ RPM	HC-12X20-7D 8433	84"		2092
BEECH 35 SERIES BONANZA	STC-SA4-819 TORBET AIRCRAFT	HP @ RPM	HC-12V20-7D V8433 V8433N	84"		2093
BEECH 35 SERIES BONANZA	STC-SA4-819 TORBET AIRCRAFT	HP @ RPM	HC-D2X20-7 8433			2348
BEECH 35 SERIES BONANZA	STC-SA4-819 TORBET AIRCRAFT	HP @ RPM	HC-D2V20-7 V8433 V8433N			2349
BEECH 35 SERIES BONANZA	STC-SA4-819 TORBET AIRCRAFT	HP @ RPM	HC-D2MV20-7 MV8433N	84"		190
BEECH 35 SERIES BONANZA	STC-SA4-1146 ALPHA AIRCRAFT	HP @ RPM	HC-DX20-7 8433			2340
BEECH 35 SERIES BONANZA	STC-SA4-1146 ALPHA AIRCRAFT	HP @ RPM	HC-D2V20-7 V8433 V8433N			2341
BEECH 35 SERIES BONANZA	STC-SA4-1146 ALPHA AIRCRAFT	HP @ RPM	HC-D2MV20-7 MV8433N	84"		186
BEECH 35 SERIES BONANZA	STC-SA4-1305 ALPHA AIRCRAFT	HP @ RPM	HC-D2X20-7 8433			2342
BEECH 35 SERIES BONANZA	STC-SA4-1305 ALPHA AIRCRAFT	HP @ RPM	HC-D2V20-7 V8433 V8433N			2343

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BEECH 35 SERIES BONANZA	STC-SA4-1305 CHANDLER AIRCRAFT	HP @ RPM	HC-D2MV20-7 MV8433N	84"		187
BEECH 35 SERIES BONANZA	STC-SA609SW HUTCHISON AIRCRAFT	HP @ RPM	PHC-83VF-4, PHC-A3VF-4 V8433-4 V8433N-4	80.6"	837-8	2094
BEECH 35 SERIES BONANZA	STC-SA609SW HUTCHISON AIRCRAFT	HP @ RPM	PHC-A3MVF-4 MV8433N-4	80.6"	837-8	191
BEECH 35, A35, B35, C35, D35, E35, F35 BONANZA	STC-SA1-570 HARTZELL PROPELLER	CONTINENTAL E-185-8, -11, -1; E-225-8 205 HP @ 2600 RPM	HC-A2X20-4A1 8433	84" TO 82.5"		2354
BEECH 35,A35,B35,C35,D35,E35,F35 BONANZA	STC-SA1-570 HARTZELL PROPELLER	CONTINENTAL E-185-8, -11, -1; E-225-8 205 HP @ 2600 RPM	HC-A2X20-4A1 8433	84" TO 82.5"	837-6	2086
BEECH 35, A35, B35, C35, D35, E35, F35 BONANZA	STC-SA1-570 HARTZELL PROPELLER	CONTINENTAL E-185-8, -11, -1; E-225-8 205 HP @ 2600 RPM	HC-A2V20-4A1 V8433 V8433N V8833-4	84" TO 82.5"		2355
BEECH 35,A35,B35,C35,D35,E35,F35 BONANZA	STC-SA1-570 HARTZELL PROPELLER	CONTINENTAL E-185-8, -11, -1; E-225-8 205 HP @ 2600 RPM	HC-A2V20-4A1 V8433 V8433N V8833-4	84" TO 82.5"	837-6	2087
BEECH 35,A35,B35,C35,D35,E35,F35 BONANZA	STC-SA1-570 HARTZELL PROPELLER	CONTINENTAL E-185-8, -11, -1; E-225-8 205 HP @ 2600 RPM	HC-A2MV20-4A1 MV8433N	84" TO 82.5"	837-6	176
BEECH 35 SERIES BONANZA	STC-SA4-550 MIKE TRUDEAU	CONTINENTAL E-228-8 HP @ RPM	HC-D2X20-7 8433			2344
BEECH 35 SERIES BONANZA	STC-SA4-550 MIKE TRUDEAU	CONTINENTAL E-225-8 HP @ RPM	HC-D2V20-7 V8433 V8433N			2345

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BEECH 35 SERIES BONANZA	STC-SA4-550 D. H. MORETON	CONTINENTAL E-225-8 205 HP @ 2600 RPM	HC-D2MV20-7 MV8433N	84"		188
BEECH G35, 35R BONANZA	STC-SA1-570 HARTZELL PROPELLER	CONTINENTAL E-225-8 205 HP @ 2600 RPM	HC-A2X20-4A1 8433-4 8833-4	84" TO 82.5"	837-6	2088
BEECH G35, 35R BONANZA	STC-SA1-570 HARTZELL PROPELLER	CONTINENTAL E-225-8 205 HP @ 2600 RPM	HC-A2V20-4A1 V8433-4 V8433N-4 V8833-4 V8833N-4	84" TO 82.5"	837-6	2089
BEECH G35, 35R BONANZA	STC-SA1-570 HARTZELL PROPELLER	CONTINENTAL E-225-8 205 HP @ 2600 RPM	HC-A2MV20-4A1 MV8433N MV8833N-4	84" TO 82.5"	837-6	177
BEECH 35 SERIES BONANZA	STC-SA1-569 D'SHANNON PRODUCTS	CONTINENTAL IO-470-J 225 HP @ 2600 RPM	BHC-92ZF-1D1 8447	84"	837-3 837-4	183
BEECH 35-C33 DEBONAIR	3A15	CONTINENTAL IO-470-K 225 HP @ 2600 RPM	PHC-A3MVF-4 MV8433N-4R MV8433N-4RD	80.0" TO 78.25"	837-9	168
BEECH S35, V35, V35B, 36, A36 BONANZA	STC-SA785CE HARTZELL PROPELLER	CONTINENTAL IO-520-BA,-BB 285 HP @ 2700 RPM	BHC-C2YF-1B(F) F8468AR	84" TO 82"	A-2295	179
BEECH J35A BONANZA	STC-SA686CE AEROSTOL CO.	CONTINENTAL IO-520 250 HP @ 2700 RPM	HC-C3YF-1 F8468A-8R	78"	C-3535-1	192
BEECH S35,V35,V35A,V35B,36,A36 BONANZA	GERMAN STC MT PROPELLER	CONTINENTAL IO-520-B, -BA, -BB 285 HP @ 2700 RPM	PHC-C3YF-1RF F7663D-2Q	76.0" NO CUT OFF	A-2295-1P	172
BEECH (A thru V)35, V35(A,B) BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-520-B, -BA, -BB 285 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1P	1239
BEECH (A thru V)35(A,B) BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-520-B,-BA,-BB 285 HP @ 2700 RPM	PHC-L3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1P	1234

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BEECH H35 THRU V35B BONANZA	STC-SA1773NM RAY RAINER	LYCOMING IO-540-K1A5 300 HP @ 2700 RPM	HC-F2YR-1F F8475D-4	80" TO 78"	A-2295-P	184
BEECH (A thru V)35, V35(A,B) BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-550-B 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1P	1240
BEECH (A thru V)35, V35(A,B) BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-550-B 300 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	A-2295-1P	1245
BEECH (A thru V)35, V35(A,B) BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-550-B 300 HP @ 2700 RPM	PHC-L3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1P	1235
BEECH 36, A36 BONANZA	3A15	CONTINENTAL IO-520-B,-BA,-BB 285 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80" TO 78"	A-2295-1P	199
BEECH 36, A36 BONANZA	3A15	CONTINENTAL IO-520-B,-BA,-BB; IO-550-B 285 HP @ 2550 RPM	PHC-C3YF-1RF F7663-2R F7663K-2R	76.0" TO 75.5"	A-2295-1P	200
BEECH A36TC BONANZA	3A15	CONTINENTAL TSIO-520-U,-UB 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R F8468AK-6R	80.0" TO 78.0"	A-2295-1P	205
BEECH 36, A36 BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-520-B,-BA,-BB 285 HP @ 2700 RPM	PHC-L3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1P	1236
BEECH 36, A36 BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-520-B,-BA,-BB 285 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1P	1241
BEECH 36, A36 BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-520-B,-BA,-BB 285 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	A-2295-1P	1246
BEECH 36, A36 BONANZA	STC-SA450CH D'SHANNON PRODUCTS	CONTINENTAL IO-520-B,-BA,-BB 285 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	A-2295-1P	1179

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BEECH B36TC BONANZA	STC-SA00718LA HARTZELL PROPELLER	CONTINENTAL TSIO-520-U,-UB 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-8R F8468AK-8R	78.0" TO 77.0"	A-2295-2P	1532
BEECH B36TC BONANZA	STC-SA00718LA HARTZELL PROPELLER	CONTINENTAL TSIO-520-U,-UB 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-8R F8468A-8R*1 F8468AK-8R	78.0" TO 77.0"	A-2295-2P	1596
BEECH A36 BONANZA	STC-SA762NM MACHEN INC.	LYCOMING TIO-540-J2BD 350 HP @ 2575 RPM	HC-F3YR-1RF F8468A-8Q	78"	A-2295-1P	203
BEECH 36, A36 BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-550-B 300 HP @ 2700 RPM	PHC-L3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1P	1237
BEECH 36, A36 BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-550-B 300 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	A-2295-1P	1247
BEECH 36, A36 BONANZA	STC-SA2200SW D'SHANNON PRODUCTS	CONTINENTAL IO-550-B 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1P	1242
BEECH A36 BONANZA	STC-SA450CH D'SHANNON PRODUCTS	CONTINENTAL IO-550-B 300 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	A-2295-1P	1178
BEECH A36, G36 BONANZA	STC-SA00719LA HARTZELL PROPELLER	CONTINENTAL IO-550-B 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R F8468AK-6R	80.0" TO 78.0"	A-2295-2P	1597
BEECH A36, G36 BONANZA	STC-SA00719LA HARTZELL PROPELLER	CONTINENTAL IO-550-B 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R F8468AK-6R	80.0" TO 78.0"	A-2295-2P	1531
BEECH A36 STARFIRE BONANZA	STC-SA1835SO COLEMILL	CONTINENTAL IO-550-B 300 HP @ 2700 RPM	HC-C4YF-1E F7063Q	73.75" NO CUT OFF	D-4511-1P D-5421-P	185
BEECH A36, A36TC BONANZA	STC-SA3523NM TRADEWIND TURBINES	ALLISON 250-B17F/2 440 HP @ 2030 RPM	HC-B3TF-7A T9212K-2*1	90.0" TO 88.0"	835-39E 835-39EP	201

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BEECH 35-C33A, (A)36, (E,F)33(A,C), (S,V)35, V35(A,B) BONANZA	SA10145SC ATLANTIC AERO	CONTINENTAL IO-550-R 310 HP @ 2700 RPM	PHC-J3YF-1RF F8068	82"	A-2295-1P C-4582 C-4582-P	1764
BEECH B36TC TURBINE AIR	STC SA01156SE WEST PACIFIC AIR LLC	PRATT & WHITNEY PT6A-21 500 HP @ 2200 RPM	HC-E4N-3N D8292	82.5"	D-630-1 D-630-1P	1848
BEECH B50 TWIN BONANZA	5A4	LYCOMING GO-435-C2B 260 HP @ 2182 RPM	HC-83X20-2C 9333C-3	90.6" NO CUT OFF	835-10S	2095
BEECH B50 TWIN BONANZA	5A4	LYCOMING GO-435-C2B HP @ RPM	HC-A3X20-2 V9333N-3			2361
BEECH B50 TWIN BONANZA	5A4	LYCOMING GO-435-C2B HP @ RPM	HC-A3V20-2 V9333N-3			2362
BEECH B50 TWIN BONANZA	5A4	LYCOMING GO-435-C2B 260 HP @ 2182 RPM	HC-A3MV20-2 MV9333N-3	90.6" NO CUT OFF	835-10S	210
BEECH D50, D50A, D50B, D50C, D50E TWIN BONANZA	5A4	LYCOMING GO-480-C2(C,D)6,-G2D6,- G2F6 295 HP @ 2182 RPM	HC-A3XF-2A, HC-83XF-2A, HC-A3XF- 2, HC-83XF-2 9333C-3	90.6" TO 89"	836-18P	2096
BEECH D50, D50A, D50B, D50C, D50E TWIN BONANZA	5A4	LYCOMING GO-480-C2(C,D)6,-G2D6,- G2F6 295 HP @ 2182 RPM	HC-A3VF-2A, HC-83VF-2A, HC-A3VF- 2, HC-83VF-2 V9333C-3 V9333N-3	90.6" TO 89"	836-18P	2097
BEECH D50, D50A, D50B, D50C, D50E TWIN BONANZA	5A4	LYCOMING GO-480-C2(C,D)6,-G2D6,- G2F6 295 HP @ 2182 RPM	HC-A3MVF-2A MV9333N-3	90.6" TO 89"	836-18P	211

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BEECH E50, F50, G50, H50 TWIN BONANZA	5A4	LYCOMING GSO-480-A1A6,-B1B6; IGSO-480-A1A6 340 HP @ 2182 RPM	HC-93Z20-2C1 10151-8 10151-8R 10151N-8 10151N-8R L10151N-8	93" TO 90"	836-20SPR 836-21SPR	212
BEECH J50 TWIN BONANZA	5A4	LYCOMING IGSO-480-A1B6 340 HP @ 2182 RPM	HC-93Z20-2C1, -2A 10151-8 10151-8R 10151N-8 10151N-8R	93" TO 90"	836-20SPR 836-21SPR	213
BEECH E50, F50, G50, H50 TWIN BONANZA	5A4	LYCOMING GSO-480-A1A6,-B1B6; IGSO-480-A1A6 340 HP @ 2182 RPM	HC-B3Z20-2A 10151-8 10151-8R 10151N-8 10151N-8R L10151N-8	93" TO 90"	836-20SPR 836-21SPR	1761
BEECH 50 SERIES TWIN BONANZA	STC-SA2-1 HOMER J. PENWELL	LYCOMING GO-435-C2B 260 HP @ 2182 RPM	HC-83X20-2, HC-A3X20-2	90.6"	835-10S	2098
BEECH 50 SERIES TWIN BONANZA	STC-SA2-1 HOMER J. PENWELL	LYCOMING GO-435-C2B 260 HP @ 2182 RPM	HC-83V20-2, HC-A3V20-2 V9333N-3	90.6"	835-10S	2099
BEECH 50 SERIES TWIN BONANZA	STC-SA2-1 HOMER J. PENWELL	LYCOMING GO-435-C2B 260 HP @ 2182 RPM	HC-A3MV20-2 MV9333N-3	90.6"	835-10S	214
BEECH C50 TWIN BONANZA	STC-SA2-233 JORDAN PROPELLER	LYCOMING GO-480-F4B6, -F4A6 275 HP @ 2182 RPM	HC-83XF-2A, HC-83XF-2 9333C-3	90.6"	836-18P 836-19P	2100
BEECH C50 TWIN BONANZA	STC-SA2-233 JORDAN PROPELLER	LYCOMING GO-480-F4B6, -F4A6 275 HP @ 2182 RPM	HC-A3MVF-2A MV9333N-3	90.6"	836-18P 836-19P	215

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BEECH C50 TWIN BONANZA	STC-SA360/242SW EXALIBER AVIATION	LYCOMING GO-480-G2D6, -G2F6 295 HP @ 2182 RPM	HC-A3MVF-2 MV9333N-3	90.6" TO 89.6"	836-25P 836-26P	221
BEECH 50 SERIES TWIN BONANZA	STC-SA2-602 AIRCRAFTSMEN INC	LYCOMING GO-480-F2A6 295 HP @ 2182 RPM	HC-83X20-2, HC-A3X20-2 9333C-3	90.6"		2101
BEECH 50 SERIES TWIN BONANZA	STC-SA2-602 AIRCRAFTSMEN INC	LYCOMING GO-480-F2A6 295 HP @ 2182 RPM	HC-83V20-2, HC-A3V20-2 V9333C-3 V9333N-3	90.6"		2102
BEECH 50 SERIES TWIN BONANZA	STC-SA2-602 AIRCRAFTSMEN INC	LYCOMING GO-480-F2A6 275 HP @ 2182 RPM	HC-A3MV20-2 MV9333N-3	90.6"		216
BEECH 50 SERIES TWIN BONANZA	STC-SA2-602 AIRCRAFTSMEN INC	LYCOMING GO-480-F4B6 295 HP @ 2182 RPM	HC-83XF-2A, HC-A3XF-2A 9333C-3	90.6"		2103
BEECH 50 SERIES TWIN BONANZA	STC-SA2-602 AIRCRAFTSMEN INC	LYCOMING GO-480-F4B6 295 HP @ 2182 RPM	HC-83VF-2A, HC-A3VF-2A V9333C-3 V9333N-3	90.6"		2104
BEECH 50 SERIES TWIN BONANZA	STC-SA2-602 AIRCRAFTSMEN INC	LYCOMING GO-480-F4B6 275 HP @ 2182 RPM	HC-A3MVF-2A MV9333N-3	90.6"		217
BEECH 50, B50, C50 TWIN BONANZA	STC-SA2-66	LYCOMING GO-480-B, -B1B, -B1C, - B1D, -F2A 270 HP @ 2182 RPM	HC-A3X20-2			2359
BEECH 50, B50, C50 TWIN BONANZA	STC-SA2-66	LYCOMING GO-480-B, B1B, B1C, B1D, F2A 270 HP @ 2182 RPM	HC-A3V20-2 V9333N-3			2360
BEECH 50, B50, C50 TWIN BONANZA	STC-SA2-66 HOMER J. PENWELL	LYCOMING GO-480-B, -B1B, -B1C, - B1D, -F2A 270 HP @ 2182 RPM	HC-A3MV20-2 MV9333N-3	90.6"		218
BEECH 50 SERIES TWIN BONANZA	STC-SA2-665 EL PASO NAT. GAS	LYCOMING GO-480-C3C6, -C2D6 295 HP @ 2182 RPM	HC-83XF-2A, HC-A3XF-2A 9333C-3	90.6"		2105

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BEECH 50 SERIES TWIN BONANZA	STC-SA2-665 EL PASO NAT. GAS	LYCOMING GO-480-C3C6, -C2D6 295 HP @ 2182 RPM	HC-83VF-2A, HC-A3VF-2A V9333C-3 V9333N-3	90.6"		2106
BEECH 50 SERIES TWIN BONANZA	STC-SA2-665 EL PASO NAT. GAS	LYCOMING GO-480-C3C6, -C2D6 295 HP @ 2182 RPM	HC-A3MVF-2A MV9333N-3	90.6"		219
BEECH 50 SERIES TWIN BONANZA	STC-SA2-87, 93	LYCOMING GO-480-C2C6, -C2D6 295 HP @ 3400 RPM	HC-A3X20-2 9333C-3			2357
BEECH 50 SERIES TWIN BONANZA	STC-SA2-87, 93	LYCOMING GO-480-C2C6, C2D6 295 HP @ 3400 RPM	HC-A3V20-2 V9333C-3 V9333N-3			2358
BEECH 50 SERIES TWIN BONANZA	STC-SA2-87,93 TULSAIR DEST.	LYCOMING GO-480-C2C6, -C2D6 295 HP @ 2182 RPM	HC-A3MV20-2 MV9333N-3	90.6"	836-20S 836-22S	220
BEECH D50(A,B,C,E), E50, F50, G50, H50, J50 EXCALIBUR 800 (BEECH TWIN BONANZA)	SA587SW Bemidji Aviation Services	LYCOMING IO-720-A1A 400 HP @ 2650 RPM	HC-A3VK-2A MV8433NB-4	80"		2799
BEECH 95-55, -55A, -B55, -B55A, -B55B BARON	STC-SA795CE HARTZELL PROPELLER	CONTINENTAL IO-470-L 260 HP @ 2625 RPM	DHC-C2YF-2CH(U)(F) FC8465-6	78" TO 76.5"	C-2285-1 C-2285-6 C-2285-6P	229
BEECH 95-55, -A55, -B55, -B55A, -B55B BARON	STC-SA795CE HARTZELL PROPELLER	CONTINENTAL IO-470-L 260 HP @ 2625 RPM	BHC-C2YF-2CH(U)(F) FC8465-6 FC8465-6*1	78" TO 76.5"	C-2285-1 C-2285-6 C-2285-6P	230
BEECH 95-55, -A55, -B55, -B55A, -B55B BARON	STC-SA795CE HARTZELL PROPELLER	CONTINENTAL IO-470-L 260 HP @ 2625 RPM	PHC-C3YF-2UF FC7663-2R FC7663-2R*2 FC7663B-2R*3	76.0" TO 74.5"	C-3567-1 C-3567-1P	231

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BEECH 95-55, -A55, -B55 BARON	STC-SA126CE HARTZELL PROPELLER	CONTINENTAL IO-470 260 HP @ 2625 RPM	HC-A3VF-2B, PHC-A3VF-2B V7636	76.3" NO CUT OFF	836-36 836-37	2107
BEECH 95-55, -A55, -B55 BARON	SA126CE HARTZELL PROPELLER	CONTINENTAL IO-470-L 260 HP @ 2625 RPM	PHC-A3MVF-2B MV7636N MV7636NB*1	76.25"	836-36 836-36P 836-37 836-37P	2039
BEECH 95-55, -A55, -B55 BARON	STC-SA126CE HARTZELL PROPELLER	CONTINENTAL IO-470 260 HP @ 2625 RPM	(P)HC-A3MVF-2B MV7636N	76.3" NO CUT OFF	836-36 836-37	222
BEECH 95-C55(A), D55(A), E55(A) BARON	STC-SA773CE HARTZELL PROPELLER	CONTINENTAL IO-520-C, -CB 285 HP @ 2700 RPM	BHC-C2YF-2C(H)(U)(F) FC8475-6*1	78" TO 76"	C-2285-1 C-2285-1P C-2285-6 C-2285-6P	223
BEECH 95-C55(A), D55(A), E55(A) BARON	STC-SA773CE HARTZELL PROPELLER	CONTINENTAL IO-520-C, -CB 285 HP @ 2700 RPM	BHC-C2YF-2C(H)(U)(F) FC8475-6	78" TO 77"	C-2285-1 C-2285-1P C-2285-6 C-2285-6P	225
BEECH E55, E55A BARON	STC-SA773CE HARTZELL PROPELLER	CONTINENTAL IO-520-C 285 HP @ 2700 RPM	BHC-J2YF-2CU(F) FC8475-6 FC8475-6*1	78" TO 76"	C-2285-1 C-2285-1P C-2285-4 C-2285-5 C-2285-6	227
BEECH 95-55, -A55, -B55, -B55A, -B55B BARON	STC SA432SO COLEMILL ENTERPRISES	CONTINENTAL IO-520-E, IO-550-E 260 HP @ 2700 RPM	EHC-G3YF-2UF FC7663D-4T	74.0" NO CUT OFF	C-3567-1 C-3567-1P	233
BEECH D55, D55A, E55, E55A, 95-C55, 95- C55A BARON	STC-SA773CE HARTZELL PROPELLER	CONTINENTAL IO-520-C, -CB 285 HP @ 2700 RPM	PHC-C3YF-2(U)(F) FC7663-2R FC7663-2R*2 FC7663B-2R*3	76" TO 74"	C-3567-1 C-3567-1P C-3567-4 C-3567-4P	226

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BEECH E55, E55A BARON	STC-SA773CE HARTZELL PROPELLER	CONTINENTAL IO-520-C 285 HP @ 2700 RPM	PHC-J3YF-2(U)(F) FC7663-2R	76" TO 74"	C-3567-4P	228
BEECH 95-55, -A55, -B55 BARON	STC-SA432SO COLEMILL	CONTINENTAL IO-520-E 260 HP @ 2700 RPM	EHC-A3MVF-2B MV7636N MV7636N-2R MV7636NB MV7636NB-2R MV7636NB-2R*1 V7636NB-2R	74.6"	836-36 836-36P 836-37 836-37P	237
BEECH 95-C55, -D55, -E55; 58, 58A BARON	STC-SA3845SW D'SHANNON PRODUCTS	CONTINENTAL IO-550-C 300 HP @ 2700 RPM	PHC-J3YF-2UF FC7663-2R FC7663B-2R*3	76"	C-3567-1P	235
BEECH C55, D55, E55, 58 FOXSTAR BARON	STC-SA1762SO COLEMILL	CONTINENTAL IO-550-C 300 HP @ 2700 RPM	HC-C4YF-2E FC7063Q	74.25"	D-4511-P	236
BEECH 56TC, A56TC TURBO BARON	3A16	LYCOMING TIO-541-E1B4 380 HP @ 2900 RPM	HC-F3YR-2(U)(F) FC7479-2R FC7479B-2R*1	74" NO CUT OFF	C-3269 D-3273 D-3273-P	239
BEECH 56TC BARON	SA01270NY Randolph Bazet	LYCOMING IO-540-K1B5 300 HP @ 2700 RPM	HC-F3YR-2U(F) FC8468-6R*3	80	C-3269P D-3273-P	2464
BEECH 58P, 58PA BARON	A23CE	CONTINENTAL TSIO-520-L, -LB 310 HP @ 2700 RPM	PHC-J3YF-2(U)F FC8468-6R FC8468B-6R*2	80" TO 79.5"	C-3567-1P	240
BEECH 58P, 58PA, 58TC, 58TCA BARON	A23CE	CONTINENTAL TSIO-520-WB 325 HP @ 2700 RPM	PHC-J3YF-2(U)F FC7663DR FC7663DRB FC7663DRB*1	78" TO 77.5"	C-3567 C-3567-1 C-3567-1P	241

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BEECH 58, 58A BARON	STC-SA773CE HARTZELL PROPELLER	CONTINENTAL IO-520-C 285 HP @ 2700 RPM	BHC-J2YF-2CU(F) FC8475-6 FC8475-6*1 FC8475B-6*1	78" TO 76"	C-2285 C-2285-1 C-2285-1P C-2285-4 C-2285-5 C-2285-6 C-2285P	247
BEECH 58, 58A BARON	STC-SA773CE HARTZELL PROPELLER	CONTINENTAL IO-520-C 285 HP @ 2700 RPM	BHC-J2YF-2C(F) FC8475-6 FC8475-6*1 FC8475B-6*1	78" TO 76"	C-2285 C-2285-1 C-2285-4 C-2285-4P C-2285-5 C-2285-6	246
BEECH 58, 58A, G58 BARON	SA 10551SC HARTZELL PROPELLER INC	CONTINENTAL IO-550-C 300 HP @ 2700 RPM	PHC-J3YF-2UF FC7391D	75"	C-3567-1P C-3567-4P	2492
BEECH 58, 58A, G58 BARON	SA10551SC HARTZELL PROPELLER INC	CONTINENTAL IO-550-C 300 HP @ 2700 RPM	PHC-J3YF-2UF FC7391D*1 FC7391D*2 FC7391DK*1 FC7391DK*2	75-73"	C-3567-1 C-3567-1P C-3567-4 C-3567-4P	2885
BEECH 58, 58A BARON	SA02561CH-D HARTZELL PROPELLER	CONTINENTAL IO-520-C, -CB (IO-550-C, 300 HP) 285 HP @ 2700 RPM	PHC-J3YF-2UF FC7391DB*1	75"-73"	C-3567-7 C-3567-7P C-3567-8 C-3567-8P	2774
BEECH 58, 58A BARON	STC-SA773CE HARTZELL PROPELLER	CONTINENTAL IO-520-C 285 HP @ 2700 RPM	PHC-J3YF-2UF FC7663-2R FC7663-2R*2 FC7663B-2R*3 FC7663B-2R*4	76" TO 74"	C-3567 C-3567-1 C-3567-1P C-3567-4 C-3567-4P	248

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BEECH 58, 58A BARON	STC-SA773CE HARTZELL PROPELLER	CONTINENTAL IO-520-C 285 HP @ 2700 RPM	PHC-J3YF-2(U)(F) FC7663-2R FC7663B-2R	76" TO 74"	C-3567 C-3567-1 C-3567-1P C-3567-4 C-3567-4P	249
BEECH 58P, 58TC BARON	STC-SA1207NW RAM AIRCRAFT CORP	CONTINENTAL TSIO-520-WB 325 HP @ 2700 RPM	PHC-J3YF-2UF FC7663DRB FC7663DRB*1	78" NO CUT OFF	C-3567-1P	245
BEECH 58, 58A, G58 BARON	STC-SA5533NM HARTZELL PROPELLER	CONTINENTAL IO-550-C 300 HP @ 2700 RPM	PHC-J3YF-2UF FC7663-2R FC7663K-2R	76" TO 74"	C-3567-1 C-3567-1P C-3567-4 C-3567-4P	244
BEECH 58, 58A, G58 BARON	STC-SA5533NM HARTZELL PROPELLER	CONTINENTAL IO-550-C 300 HP @ 2700 RPM	PHC-J3YF-2UF FC7663-2R	76" TO 74"	C-3567-1P C-3567-4P	1599
BEECH 58P, 58TC BARON	STC-SA538GL THAMER (TARD INC.)	CONTINENTAL TSIO-520-L, -LB, -WB 310 HP @ 2700 RPM	PHC-A3MVF-5R MV7636NRB	76.6"	D-5243	243
BEECH 58P, 58TC BARON	STC-SA538GL THAMER (TARD INC.)	CONTINENTAL TSIO-520-L, -LB, -WB 310 HP @ 2700 RPM	PHC-83VF-5R, PHC-A3VF-5R V7636NRB	76.6"	D-5243	2108
BEECH 58, 58A BARON	SA 10551SC HARTZELL PROPELLER INC	CONTINENTAL IO-520-C, -CB 285 HP @ 2700 RPM	PHC-J3YF-2UF FC7391D	75"	C-3567-1 C-3567-1P C-3567-4 C-3567-4P	2630
BEECH 60, A60, B60 DUKE	A12CE	LYCOMING TIO-541-E1A4, -E1C4 380 HP @ 2900 RPM	HC-F3YR-2, -2F, -2UF FC7479-2R FC7479B-2R FC7479B-2R*1	74.0" TO 73.5"	D-3273 D-3273-P	250

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BEECH B60 (only)	STC SA01672SE Northwest Turbine, LLC	PRATT & WHITNEY PT6A-35, PT6A-21 525 HP @ 2190 RPM	HC-E4N-3N D8292-2	80.5"- 80"	D-630-1 D-630-1P	2613
BEECH 65 QUEEN AIR	3A20	LYCOMING IGSO-480-A1A6, -A1E6 340 HP @ 2182 RPM	HC-93Z20-2C1 10151-8R 10151B-8R 10151N-8R	93" TO 90"	836-20SPR 836-21SPR	251
BEECH A65, 70 QUEEN AIR	3A20	LYCOMING IGSO-480-A1E6, -A1B6 340 HP @ 2182 RPM	HC-B3Z20-2A 10151-8R 10151B-8R 10151N-8R	93" TO 90"	836-20SPR 836-21SPR	252
BEECH 65, A65, 65-(B)80, 65-A80-8800, 70 QUEEN AIR	STC-SA444SW EXCALIBER AIRCRAFT	LYCOMING IO-720-A1A, -A1B 400 HP @ 2650 RPM	HC-A3VK-2A V8433-2R V8433-4R V8433N-2R V8433N-4Q	82.6" TO 82" ???80.625?	C-2531-P	2109
BEECH 65, A65, 65-(B)80, 65-A80-8800, 70 QUEEN AIR	STC-SA444SW EXCALIBER AIRCRAFT	LYCOMING IO-720-A1A, -A1B 400 HP @ 2650 RPM	HC-A3XK-2A	82.6" TO 82" ???80.625?	C-2531-P	2312
BEECH 65, A65, 65-(B)80, 65-A80-8800, 70 QUEEN AIR	STC-SA444SW EXCALIBER AIRCRAFT	LYCOMING IO-720-A1A, -A1B 400 HP @ 2650 RPM	HC-A3MVK-2A MV8433N-2R MV8433N-4Q	82.625 to 80.625	C-2513-2 C-2513-2P	254
BEECH 65, A65, A65-8200, 70 QUEEN AIR	STC-SA2365WE BERNARD GALLAGHER	HP @ RPM	HC-83V20-2, HC-A3V20-2 V9333C-3 V9333N-3	90.6"		2111
BEECH 65, A65, A65-8200, 70 QUEEN AIR	STC-SA2365WE BERNARD GALLAGHER	HP @ RPM	HC-83X20-2, HC-A3X20-2 9333C-3	90.6"		2110
BEECH 65, A65, A65-8200, 70 QUEEN AIR	STC-SA2365WE BERNARD GALLAGHER	UNKNOWN UNKNOWN HP @ RPM	HC-A3MV20-2 MV9333N-3	90.6"		255

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BEECH 76 (left side) DUCHESS	A29CE	LYCOMING O-360-A1G6D 180 HP @ 2700 RPM	HC-M2YR-2CEUF FC7666A	76.0" TO 74.0"	C-2285-3P D-4826	256
BEECH 76 (right side) DUCHESS	A29CE	LYCOMING LO-360-A1G6D 180 HP @ 2700 RPM	HC-M2YR-2CLEUF FJC7666A	76.0" TO 74.0"	C-2285-3LP D-4826LP	257
BEECH 65-80, 65-A80, 65-B80, 65-88 QUEEN AIR	3A20	LYCOMING IGSO-540-A1A, -A1D 380 HP @ 2182 RPM	HC-B3Z30-2B 10151-8 10151-8R 10151B-8 10151N-8 10151N-8R 10151NB-8	93.5" TO 90"	836-31SPR 836-32SPR	253
BEECH 65-90, 65-A90, C90, B90, E90, C90A KING AIR	3A20	PRATT & WHITNEY PT6A-20, -28, -21 550 HP @ 2200 RPM	HC-B3TN-2(B) T10173-8 T10173B-8 T10173N-8 T10173NB-8	93.5 TO 90 3/8(91.5:65-90)	C-3006P C-3065	258
BEECH 65-90, -A90, -A90-1, -A90-2, -A90-4 KING AIR	3A20	PRATT & WHITNEY PT6A-20, -21, -28, -34B 550 HP @ 2200 RPM	HC-B3TN-3B, -3M T10173-8 T10173B-8 T10173E-8 T10173N-8 T10173NB-8 T10173NE-8	93.5" TO 90 3/8"	C-3006P C-3065	259
BEECH B90 KING AIR	3A20	PRATT & WHITNEY PT6A-20 550 HP @ 2200 RPM	HC-B3TN-3(B,M) T10173-8 T10173B-8 T10173E-8 T10173K-8 T10173N-8 T10173NB-8 T10173NE-8	93.5" TO 90 3/8"	C-3065-13P	260

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BEECH H90 KING AIR	3A20	PRATT & WHITNEY PT6A-34B 550 HP @ 2200 RPM	HC-B3TN-3B T10173B-8 T10173NB-8	93.5" TO 90.375"	C-3065	261
BEECH C90 KING AIR	3A20	PRATT & WHITNEY PT6A-20, -21, -6/20, -20A 550 HP @ 2200 RPM	HC-B3TN-3(B,M) T10173NB-8 T10173NE-8 T10173NK-8	93.5" TO 90 3/8"	C-3065-13P	2623
BEECH F90 KING AIR	A31CE	PRATT & WHITNEY PT6A-135, -135A 750 HP @ 1900 RPM	HC-B4TN-3A, -3B T10173FB-10.5 T10173FK-10.5 T10173FNB-10.5	92" NO CUT OFF	C-3425-1P C-3425-2P C-3425-3P C-3425-P	262
BEECH C90A KING AIR	3A20	PRATT & WHITNEY PT6A-21 550 HP @ 2200 RPM	HC-B3TN-3(B,M) T10173K-8 T10173NK-8	93.5" TO 90 3/8"	C-3065-13P	2622
BEECH E90 KING AIR	3A20	PRATT & WHITNEY PT6A-28 550 HP @ 2200 RPM	HC-B3TN-3(B,M) T10173NB-8 T10173NE-8 T10173NK-8	93.5" TO 90 3/8"	C-3065-13P	2624
BEECH 65-A90 KING AIR	STC-SA3593NM RAISBECK	PRATT & WHITNEY PT6A-20, -28 500 HP @ 2200 RPM	HC-D4N-3C D9290K	93.0" TO 92.0"	D-630-7 D-630-7P D-630-P	263
BEECH B90 KING AIR	STC-SA3593NM RAISBECK	PRATT & WHITNEY PT6A-20, PT6A-28, PT6A-34 550 HP @ 2200 RPM	HC-D4N-3C D9290K	93.0" TO 92.0"	D-630-7 D-630-7P D-630-P	181
BEECH E90 KING AIR	STC-SA3593NM RAISBECK	PRATT & WHITNEY PT6A-28, PT6A -34 550 HP @ 2200 RPM	HC-D4N-3C D9290K	93.0" TO 92.0"	D-630-7 D-630-7P D-630-P	1165

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BEECH F90 KING AIR	STC-SA4131NM RAISBECK	PRATT & WHITNEY PT6A-135, -135A 750 HP @ 1900 RPM	HC-D4N-3C D9290S D9290SK	93" TO 92"	D-630-7 D-630-7P D-630-P	264
BEECH C90 KING AIR	STC-SA3593NM RAISBECK	PRATT & WHITNEY PT6A-20, -20A, -21, -28, -34, -35, -6/20 550 HP @ 2200 RPM	HC-D4N-3C D9290K	93.0" TO 92.0"	D-630-7 D-630-7P D-630-P	359
BEECH C90A KING AIR	STC-SA3593NM RAISBECK	PRATT & WHITNEY PT6A-21, -35 550 HP @ 2200 RPM	HC-D4N-3C D9290K	93.0" TO 92.0"	D-630-7 D-630-7P D-630-P	1166
BEECH C90A KING AIR	STC-SA00966CH HARTZELL PROPELLER	PRATT & WHITNEY PT6A-21 550 HP @ 2200 RPM	HC-E4N-3N D8990 D8990K	90.0" to 89.0"	D-630-4P	1533
BEECH A90, B90, C90, C90A, C90B, E90 KING AIR	SA2740SW BLACKHAWK MODIFICATIONS, INC.	PRATT & WHITNEY PT6A-135A 550 HP @ 1900 RPM	HC-E4N-3N D8990S	90.0" TO 89.0"	D-630-4P	2014
BEECH C90A KING AIR	STC SA10219SC Bert A. Nelson	WALTER M601E-11S, -11AS 550 HP @ 2080 RPM	HC-E4W-3 D8990K*1	90	D-630-5P	2015
BEECH C90GT KING AIR	3A20	PRATT & WHITNEY PT6A-135A 550 HP @ 1900 RPM	HC-E4N-3N D8990S D8990SK D8990SK*1 D8990SK*2	90.0" TO 89.0"	D-630-4P	2600

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BEECH 95, B95, B95A, D95A, E95 TRAVEL AIR	3A16	LYCOMING O-360-A1A; IO-360-B1A, -B1B 180 HP @ 2700 RPM	HC-92ZK-2A,-2B; HC-92WK-2B 8447-12A 8447-12R 8447A-12A 8447A-12R 8447AB-12A 8447AB-12R 8447AN-12A 8447AN-12R 8447ANB-12A 8447ANB-12R 8447B-12A 8447B-12R 8447N-12A 8447N-12R 8447NB-12A 8447NB-12R W8447-12A W8447-12R W8447A-12A W8447A-12R W8447AB-12A W8447AB-12R W8447AN-12A W8447AN-12R W8447ANB-12A W8447ANB-12R W8447B-12A W8447B-12R W8447N-12A W8447N-12R W8447NB-12A	72.0" TO 70.0", -12A; 72.0" TO 71.0", -12R	835-30 835-6	266
BEECH 95, B95, B95A, D95A, E95 TRAVEL AIR	STC-SA00722CH HARTZELL PROPELLER	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-2CUF FC7666C-4 FC7666C-4*1 FC7666CB-4	72" NO CUT OFF	836-29 836-29P	1203

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BEECH 99, 99A, A99, A99A, B99 AIRLINER	A14CE	PRATT & WHITNEY PT6A-20, -27, -28 680 HP @ 2200 RPM	HC-B3TN-3B T10173-8 T10173B-8 T10173E-8 T10173N-8 T10173NB-8 T10173NE-8	93.5" TO 90 3/8"	C-3065-P	267
BEECH C99 AIRLINER	A14CE	PRATT & WHITNEY PT6A-36 715 HP @ 2200 RPM	HC-B3TN-3B, -3M T10173K-8 T10173NK-8	93.5" TO 90 3/8"	C-3065-P	268
BEECH 100 KING AIR	A14CE	PRATT & WHITNEY PT6A-28 680 HP @ 2200 RPM	HC-B3TN-3B, -3M T10173-8 T10173B-8 T10173E-8 T10173N-8 T10173NB-8 T10173NE-8	93.5" TO 90 3/8"	C-3065-P	269
BEECH A100, A100A (U-21F) KING AIR	A14CE	PRATT & WHITNEY PT6A-28, -28A(700hp), -34 680 HP @ 2200 RPM	HC-B4TN-3, -3A T10173FN-12.5 T10173FNB-12.5 T10173FNK-12.5	90" NO CUT OFF	C-3425-P	270
BEECH B100 KING AIR	A14CE	GARRETT TPE331-6-252B 715 HP @ 2000 RPM	HC-B4TN-5C, -5F T10173FN-12.5 T10173FNB-125*	90" NO CUT OFF	D-3434-10P D-3434-4P	272
BEECH B100 KING AIR	STC SA455CH-D Garrett Aviation Services	GARRETT TPE331-10 715 HP @ 2000 RPM	HC-B4TN-5F T10173AN-12.5 T10173ANB-12.5	90"	D-3434-10P D-3434-4P	1183
BEECH 100, A100 KING AIR	STC-SA5661NM RAISBECK	PRATT & WHITNEY PT6A-28, -34 680 HP @ 2200 RPM	HC-D4N-3C D9290 D9290K	93.0" TO 92.0"	D-630-7 D-630-7P D-630-P	271

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BEECH B100 KING AIR	SA02539CH-D Hartzell Propeller inc.	GARRETT TPE331-6, -10 715 HP @ 2000 RPM	HC-B4TN-5F T10173AN-12.5 T10173ANB-12.5		D-3434-10P D-3434-4P	1225
BEECH A200 SUPER KING AIR	A24CE	PRATT & WHITNEY PT6A-38, -41 750 HP @ 2000 RPM	HC-B3TN-3G, -3N T10178B-3R T10178NB-3R	98.5" TO 97.5"	C-3065-12P	275
BEECH 200(T), 200C(T), A200C(T), B200(T), B200C(T), A100-1 SUPER KING AIR	A24CE	PRATT & WHITNEY PT6A-41 (PT6A-42, B200 & B200C) 850 HP @ 2000 RPM	HC-B3TN-3G, -3N T10178-3R T10178B-3R T10178K-3R T10178N-3R T10178NB-3R T10178NK-3R	98.5" TO 97.5"	C-3065-13 C-3065-13P	273
BEECH B200, B200C, B200T, B200CT SUPER KING AIR (s/n BT35+ & BN5+)	A24CE	PRATT & WHITNEY PT6A-42 850 HP @ 2000 RPM	HC-E4N-3G D9390SK-1R	93.0" TO 92.0"	D-630-2 D-630-2P	1075
BEECH 200, B200 RAISBECK KING AIR	STC-SA2698NM-S RAISBECK	PRATT & WHITNEY PT6A-41, -42 850 HP @ 2000 RPM	HC-D4N-3A D9383K	94" TO 93"	D-630-7 D-630-7P D-630-P	276
BEECH B200GT, B200CGT	A24CE	PRATT & WHITNEY PT6A-52 850 HP @ 2000 RPM	HC-E4N-3G D9390SK-1R	93.0" TO 92.0"	D-630-2 D-630-2P	2699
BEECH 300, 300LW SUPER KING AIR	A24CE	PRATT & WHITNEY PT6A-60A 1050 HP @ 1700 RPM	HC-B4MP-3B M10476 M10476K M10476K*1 M10476NS M10476NSK M10476NSK*1	105.0" TO 104.0"	C-3425-3 C-3425-3P	278

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<u>Model/Trade Name:</u>	<u>Aircraft T.C./STC No/ Modifier:</u>	<u>Engine/ Power:</u>	<u>Propeller/Blade Model(s):</u>	<u>Prop Diameter:</u>	<u>Spinner:</u>	<u>IDS Ref. No.:</u>
BEECH 35- C33A,36,A36,E33A,E33C,F33C,G33,S3 5,V35,V35A,V35B BONANZA	SA09619SC HAMMOCK AVIATION SERVICES	TCM IO-550-B 300 HP @ 2700 RPM	PHC-C3YF-1RF F8068	82"-78"	A-2295-1 A-2295-1P	2777
BEECH B300, B300C SUPER KING AIR 350 c	A24CE	PRATT & WHITNEY PT6A-60A 1050 HP @ 1700 RPM	HC-B4MP-3C M10476K*1 M10476NK*1 M10476NS M10476NSK*1	105.0" TO 104.0"	D-5519-1 D-5519-1P D-5519-2 D-5519-2P D-5519-P	279
BEECH 1900C 1900 AIRLINER	A24CE	PRATT & WHITNEY PT6A-65B 1100 HP @ 1700 RPM	HC-B4MP-3A M10877K	109.5" NO CUT OFF	D-4846 D-4846-P	280
BEECH 1900D AIRLINER	A24CE	PRATT & WHITNEY PT6A-67D 1280 HP @ 1700 RPM	HC-E4A-3A E10950K	110.0" NO CUT OFF	D-5547-P	281
BEECH 1900D AIRLINER	A24CE	PRATT & WHITNEY PT6A-67D 1279 HP @ 1700 RPM	HC-E4A-3I E10950PB E10950PCB E10950PCK E10950PK	110.0" NO CUT OFF	D-5547-P	1076
BEECH 1900D AIRLINER	A24CE	PRATT & WHITNEY PT6A-67D 1279 HP @ 1700 RPM	HC-E4A-3J E10950PB E10950PCB E10950PCK E10950PK	110.0" NO CUT OFF	D-5547-P	1447
BEECH 1900D AIRLINER	A24CE	PRATT & WHITNEY PT6A-67D 1279 HP @ 1700 RPM	HC-E4A-3J E10950PCB E10950PCK	110.0" NO CUT OFF	D-5547-P	1705
BEECH 1900D AIRLINER	A24CE	PRATT & WHITNEY PT6A-67D 1279 HP @ 1700 RPM	HC-E4A-3J E10950PB	110.0" NO CUT OFF	D-5547-P	1521
BEECH 3000 T6A TEXAN II	A00009WI	PRATT & WHITNEY PT6A-68 1100 HP @ 2000 RPM	HC-E4A-2 E9612	97" TO 96"	D-5710-2P	1231

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BEECH 3000 T6A TEXAN II	A00009WI	PRATT & WHITNEY PT6A-68 1100 HP @ 2000 RPM	HC-E4A-2A E9612K	97" TO 96"	D-5710-3P	1592
Beechcraft C90A, E90 King Air	STC SA10341SC Blackhawk Modifications	PRATT & WHITNEY PT6A-135A 550 HP @ 1900 RPM	HC-B3TN-3(B,M) T10173N-8 T10173NB-8	90.375" TO 93.5"	C-3065-13 C-3065-13P	2845
BEECHCRAFT C90, C90A, E90 King Air	STC SA10341SC Blackhawk Modifications	Pratt & Whitney PT6A-135A 550 HP @ 1900 RPM	HC-D4N-3C D9290K	93.0-92.0	D-630-4 D-630-4P	2827
BEECHCRAFT C90, C90A, E90 King Air	STC SA10341SC Blackhawk Modifications	Pratt & Whitney PT6A-135A 550 HP @ 1900 RPM	HC-E4N-3N D8990S	90.0-89.0	D-630-4 D-630-4P	2826
BEECHCRAFT CORPORATION B200, B200(C, CGT, GT) King Air	SA02130SE BEECHCRAFT CORP.	Pratt & Whitney PT6A-42, PT6A-52 850 HP @ 2000 RPM	HC-E4N-3A NC9208K	93.0"	D-630-2 D-630-2P	3016
Beechcraft Defense Company AT-6C	Military Type Certificate	Pratt & Whitney PT6A-68D 1600 HP @ 2000 RPM	HC-E4A-2 E9673S	97"	D-5710-2	3068
BELLANCA see also ANDERSON GREENWOOD		HP @ RPM				1383
BELLANCA 14-13	STC-SA2-848 WILLIAM E. HUSK	LYCOMING O-435-C 190 HP @ 2550 RPM	HC-12X20-8D, HC-12X20-8, HC-D2X20-8 8433-6	78"		2119
BELLANCA 14-13	STC-SA2-848 WILLIAM E. HUSK	LYCOMING O-435-C 190 HP @ 2550 RPM	HC-12V20-8D, HC-12V20-8, HC-D2V20-8 V8433-6 V8433N-6	78"		2120
BELLANCA 14-13	STC-SA2-848 WILLIAM E. HUSK	LYCOMING O-435-C 190 HP @ 2550 RPM	HC-D2MV20-8 MV8433N-6	78"		298
BELLANCA 14-19	1A3	LYCOMING O-435-A 190 HP @ 2550 RPM	HC-12X20-8 8428-6	78" TO 75"		293

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BELLANCA 14-19	1A3	LYCOMING O-435-A 190 HP @ 2550 RPM	HC-12X20-B, HC-D2X20-8, HC-12X20-8C 8433-6	78" TO 76.5"		2114
BELLANCA 14-19	1A3	LYCOMING O-435-A 190 HP @ 2550 RPM	HC-12V20-8, HC-D2V20-8, HC-12V20-8C V8433-6 V8433N-6	78" TO 76.5"		2115
BELLANCA 14-19	1A3	LYCOMING O-435-A 190 HP @ 2550 RPM	HC-D2MV20-8 MV8433N-6	78" TO 76.5"		294
BELLANCA 14-19-2	1A3	CONTINENTAL O-470-K 230 HP @ 2600 RPM	HC-A2MVF-1A MV8433NS-6	78.5" TO 78.0"	835-13	295
BELLANCA 14-19-3	1A3	CONTINENTAL IO-470-F 260 HP @ 2625 RPM	HC-A2MVF-1A MV8433N-2	82.3" TO 80"	835-13	296
BELLANCA 14-19-3, 14-19-3A	1A3	CONTINENTAL IO-470-F 260 HP @ 2625 RPM	HC-C2YF-1A,-1B F8468-4 F8468A-4	80" NO CUT OFF	835-23	297
BELLANCA 14-19-3A	STC-SA874SW AEROSTOL/PETERSON A/C REPAIR	CONTINENTAL IO-520-B 285 HP @ 2700 RPM	BHC-C2YF-1BF F8475-6	78"	835-23	299
BELLANCA 14-19-2	1A3	CONTINENTAL O-470-K 230 HP @ 2600 RPM	HC-82XF-1, HC-82XF-1A, HC-A2XF-1A 8433-6	78.5" TO 78.0"	835-13	2116
BELLANCA 14-19-2	1A3	CONTINENTAL O-470-K 230 HP @ 2600 RPM	HC-A2VF-1A V8433-6 V8433N-6	78.5" TO 78.0"	835-13	2313
BELLANCA 14-19-3	1A3	CONTINENTAL IO-470-F 260 HP @ 2625 RPM	HC-82XF-1A, HC-A2XF-1A 8433-2	82.3" TO 80"	835-13	2117

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BELLANCA 14-19-3	1A3	CONTINENTAL IO-470-F 260 HP @ 2625 RPM	HC-82VF-1A, HC-A2VF-1A V8433-2 V8433N-2	82.3" TO 80"	835-13	2118
BELLANCA 17-30 VIKING	1A3	CONTINENTAL IO-520-D 300 HP @ 2850 RPM	HC-C2YF-1F F8475-6	78" TO 76"	C-3533	301
BELLANCA 17-30 VIKING	1A3	CONTINENTAL IO-520-D 300 HP @ 2850 RPM	HC-C3YF-1RF F8468-8R	78.0" TO 76.0"	C-3535 C-3535-1	302
BELLANCA 17-30A VIKING	A18CE	CONTINENTAL IO-520-K 300 HP @ 2850 RPM	HC-C2YF-1BF F8475-6	78" TO 77"	C-3533	303
BELLANCA 17-30A VIKING	A18CE	CONTINENTAL IO-520-K 300 HP @ 2850 RPM	HC-C3YF-1,-1RF F8468A-8R	78" TO 76"	C-3535 C-3535-1	304
BELLANCA 17-30A VIKING	FAA Form 337 Jack J. & Patrick T. King	CONTINENTAL IO-520-K 300 HP @ 2850 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	C-3535-1	1893
BELLANCA 17-31A VIKING	A18CE	LYCOMING IO-540-G1(E,F,B)5;- K1(E,B,A)5 300hp 290 HP @ 2575 RPM	HC-C2YR-1BF F8475D-4	80" TO 78"	A-3519	306
BELLANCA 17-31 VIKING	1A3	LYCOMING IO-540-G1B5 290 HP @ 2575 RPM	HC-C3YR-1, -1RF F8468A-6R	80" TO 78"	C-3552 C-3552-1	305
BELLANCA 17-31A VIKING	1A3	LYCOMING IO-540-G1(E,F,B)5;- K1(E,B,A)5 300hp 290 HP @ 2575 RPM	HC-C3YR-1,-1RF F8468-6R F8468A-6R	80" TO 78"	C-3552 C-3552-1	307
BELLANCA 17-31 ATC VIKING (TURBO)	1A3	LYCOMING IO-540-G1(E,F)5,-K1(E,A,B)5 w/turbo 300 HP @ 2700 RPM	HC-C3YR-1,-1RF F8468-6R F8468A-6R	80" TO 78"	C-3552 C-3552-1	309

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BELLANCA 17-31TC VIKING (TURBO)	1A3	LYCOMING IO-540-G1E5 (w/turbo) 290 HP @ 2575 RPM	HC-C3YR-1, -1RF F8468A-6R	80" TO 78"	C-3552 C-3552-1	308
BELLANCA DW-1 EAGLE	A4NW	CONTINENTAL W670-6N,-6A (R-670-4,-5) 220 HP @ 2075 RPM	HA-82V20-1B, HA-A2V20-1B V10133N	101"		2121
BELLANCA DW-1 EAGLE	A4NW	LYCOMING IO-540-M1B5D 300 HP @ 2700 RPM	HC-C3YR-1RF F8468-2R F8468A-2R	84" TO 78"	C-3570	311
BELLANCA (ALEXANDRIA A/C LLC) DW-1 EAGLE	A4NW	CONTINENTAL W670-6N,-6A (R-670-4,-5) 220 HP @ 2075 RPM	HA-A2MV20-1B MV10133N	101"		310
BRITISH AEROSPACE A109 AIRDALE	FIELD APPROVAL	LYCOMING IO-360-A1A 180 HP @ 2700 RPM	HC-C2YR-1BF F7666A-2	74" TO 72"		2612
BRITTEN-NORMAN LTD BN-2; BN-2A;BN-2A-6,-8,-9;BN-2(A,B)-26,-27 ISLANDER	A17EU	LYCOMING O-540-E4C5 260 HP @ 2700 RPM	HC-C2YK-2BF, -2CUF FC8477-4 FC8477A-4 FC8477AB-4*1	80.0" TO 78.0"	836-29	314
BRITTEN-NORMAN LTD BN-2A-2,-3,-20,-21; BN-2B-20,-21 ISLANDER	A17EU	LYCOMING IO-540-K1B5 300 HP @ 2700 RPM	HC-C2YK-2(B,C)(U)(F) FC8477-4 FC8477A-4 FC8477AB-4*1	80" to 78"	836-29 836-29P	315
BRITTEN-NORMAN LTD BN-2A MK III, MK III-2,-3 TRISLANDER	A29EU	LYCOMING O-540-E4C5 260 HP @ 2700 RPM	HC-C2YK-2CUF FC8477A-4	80.0" TO 78.0"	836-29 836-29P	313
BRITTEN-NORMAN LTD BN-2A MkIII TRISLANDER	A29EU	LYCOMING O-540-E4C5 260 HP @ 2700 RPM	HC-C3YR-2UF FC8468-8R*3 FC8468-8R*4	78"	C-4558-2P	1254
BRITTEN-NORMAN LTD BN-2T TURBINE ISLANDER	A17EU	ALLISON 250-B17C 320 HP @ 2030 RPM	HC-C3YF-5F FC8475F-6 FC8475FK-6	80.0" TO 78.0"	C-4558-3P	316

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BRITTEN-NORMAN LTD BN-2T-4R, 4S TURBINE ISLANDER	A17EU	ALLISON 250-B17F/1 400 HP @ 2030 RPM	HC-C3YF-5F FC7818K	80.0" TO 78.0"	C-4558-3P	1252
BRITTEN-NORMAN LTD BN-2T-4, BN-2T-4R TURBINE ISLANDER	Unknown	ALLISON 250-B17C, -B17F 400 HP @ 2030 RPM	HC-C3YF-5F FC7818K	80"	C-4558-3P	317
BRITTEN-NORMAN LTD BN-2 ISLANDER	Unknown MT PROPELLER	LYCOMING O-540-E4C5 260 HP @ 2700 RPM	HC-C3YR-2UF FC7663D-2Q*1	76"	C-4558-2 C-4558-2P	320
BRITTEN-NORMAN LTD BN-2B-26, BN-2B-27 ISLANDER	A17EU	LYCOMING O-540-E4C5 260 HP @ 2700 RPM	HC-C3YR-2UF FC8468-8R*3	78"	C-4558-2 C-4558-2P	319
BRITTEN-NORMAN LTD BN2B-20, BN2B-21 ISLANDER	BA8 (UK) (see note)	LYCOMING IO-540-K1B5 300 HP @ 2700 RPM	HC-C3YR-2UF FC7693F FC7693FB	78"	C-4558-2P	1631
BRITTEN-NORMAN LTD PBN ISLANDER	Unknown	LYCOMING IO-540-K1B5 300 HP @ 2700 RPM	HC-C3YR-2UF FC8468-8R*3 FC8468-8R*4	78"		1253
BUSHBY MUSTANG II	Experimental	LYCOMING IO-320-B1A 160 HP @ 2700 RPM	HC-F2YL-1BF F7663A-3 F7663A-6	70", 73"	C-4565	325
BUSHMASTER AIRCRAFT CORP. BUSHMASTER 2000	A19WE	PRATT & WHITNEY R985-AN1, -AN-14B, 450 HP @ 2300 RPM	HC-B3R30-2EA R10152-5.5	95.5" NO CUT OFF	836-17SPR 836-32SPR	326
CALLAIR see AERO COMM.; A/C PARTS & DEV		HP @ RPM				327
CAMAIR 480	2A2	CONTINENTAL O-470-B 240 HP @ 2600 RPM	HC-82XF-2B, HC-A2XF-2B, HC-82XF-2, HC-A2XF-2 8433-2	82.2" TO 80.5"	835-13	2122

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CAMAIR 480	2A2	CONTINENTAL O-470-B 240 HP @ 2600 RPM	HC-82VF-2B, HC-A2VF-2B, HC-82VF-2, HC-A2VF-2 V8433-2 V8433N-2	82.2" TO 80.5"	835-13	2123
CAMAIR 480	2A2	CONTINENTAL O-470-B 240 HP @ 2600 RPM	HC-A2MVF-2 MV8433N-2	82.2" TO 80.5"	835-13	328
CAMAIR 480	2A2	CONTINENTAL O-470-D 240 HP @ 2600 RPM	HC-82XF-2, HC-A2XF-2, HC-82XF-2B, HC-A2XF-2B 8433-4	80.2" TO 78"	835-13	2124
CAMAIR 480	2A2	CONTINENTAL O-470-D 240 HP @ 2600 RPM	HC-A2MVF-2 MV8433N-4	80.2" TO 78"	835-13	329
CAMAIR 480	2A2	CONTINENTAL O-470-D 240 HP @ 2600 RPM	HC-82VF-2, HC-A2VF-2, HC-82VF-2B, HC-A2VF-2B V8433-4 V8433N-4	80.2" TO 78"	835-13	2125
CASA C-212-CB	A43EU	GARRETT TPE331-5-251C 750 HP @ 1591 RPM	HC-B4TN-5CL, 5FL LT10282+4 LT10282B+4 LT10282N+4 LT10282NB+4	107.5"	D-3434-7P*1	330
CASA C-212-CC, -CF	A43EU	GARRETT TPE331-10(R)-501C,-511C 900 HP @ 1591 RPM	HC-B4MN-5AL LM10585ANK+4	110"	D-4544-L	331
CASA C-212-CC, -CF	A43EU	GARRETT TPE331-10(R)-501C,-511C 900 HP @ 1591 RPM	HC-B4MN-5AL LM10585B+4	110"	D-4544-L	332
CASA 212 AVIOCAR	Unknown	GARRETT TPE331-201 715 HP @ 2000 RPM	HC-B3TN-5E T10282B*4 T10282NB*4	102.0"	D-3434-1	333
CESSNA ()206 Stationair	SA02735CH Vitatoe Aviation LLC	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	HC-J3YF-1RF F7693DF+2*1	80"-78"	C-4582-1 C-4582-1P	2926

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CESSNA ()206 Stationair	SA02821CH Hartzell Propeller	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	HC-J3YF-1RF F7693DF+2*1	80"-78"	C-4582-1 C-4582-1P	2969
CESSNA ()207() Stationair	SA02735CH Vitaoe Aviation LLC	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	HC-C3YF-1RF F7693DF+2*1	80"-78"	A-2295-1 A-2295-1P D-5732 D-5732-P	2928
CESSNA ()207() Stationair	SA02821CH Hartzell Propeller	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	HC-C3YF-1RF F7693DF+2*1	80"-78"	A-2295-1 A-2295-1P D-5732 D-5732-P	2996
CESSNA (T)207(A) Stationair	SA02735CH Vitaoe Aviation LLC	CONTINENTAL IO-550-F, N 310 HP @ 2700 RPM	HC-J3YF-1RF F8068-2*2	80"-78"	C-4582 C-4582-P	3239
CESSNA 180() SKYWAGON	SA02735CH Vitaoe Aviation LLC	Continental IO-520-D 300 HP @ 2850 RPM	HC-C3YF-1RF F8068-2*2	80" to 78"	C-3535-1 C-3535-1P	2921
CESSNA 180() SKYWAGON	SA02821CH Hartzell Propeller	Continental IO-520-D 300 HP @ 2850 RPM	HC-C3YF-1RF F8068-2*2	80" to 78"	C-3535-1 C-3535-1P	2994
CESSNA 185, A185 Skywagon	SA02735CH Vitaoe Aviation LLC	Continental IO-520-D 300 HP @ 2850 RPM	HC-C3YF-1RF F8068-2*2	80" to 78"	C-3575 C-3575-P	2919
Cessna 185, A185 Skywagon	SA02821CH Hartzell Propeller	Continental IO-520-D 300 HP @ 2850 RPM	HC-C3YF-1RF F8068-2*2	80" to 78"	C-3575 C-3575-P	2992
CESSNA 185, A185, ()206() Skywagon, Stationair	TBD Vitaoe Aviation LLC	TCM IO-550-D, IO-550-F 300 HP @ 2700 RPM	HC-C3YF-1RF	80-78	A-2295-1 C-3535P C-3575-P D-5732-P	2901

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CESSNA 207, 207A Stationair 7, Stationair 8	SA02735CH Vitaoe Aviation LLC	Continental IO-520-F 300 HP @ 2850 RPM	HC-C3YF-1RF F8068-2*2	80" - 78"	A-2295-1 A-2295-1P	2920
CESSNA 207, 207A Stationair 7, Stationair 8	SA02821CH Hartzell Propeller	Continental IO-520-F 300 HP @ 2850 RPM	HC-C3YF-1RF F8068-2*2	80" - 78"	A-2295-1 A-2295-1P	2993
CESSNA A185E, A185F SKYWAGON	SA02528CH-D HARTZELL PROPELLER	CONTINENTAL IO-520-D 285 HP @ 2700 RPM	HC-C3YF-1RF F8468A-2R*1	86" - 82"	C-3575 C-3575-P	2753
CESSNA A185E, A185F	SA10070SC TEXAS SKYWAYS	TCM IO-520-F 300 HP @ 2850 RPM	PHC-C3YF-1RF F8068-2	80	C-3535-1 C-3535-1P	2696
CESSNA T210L, T210M, TU206G SUPER SKYWAGON, TURBO CENTURION	SA10615SC RAM AIRCRAFT CORP.	CONTINENTAL TSIO-520-R 310 HP @ 2700 RPM	PHC-J3YF-1RF F7693F+2	80-78	C-4582-1 C-4582-1P	2738
CESSNA T210M, T210N, P210N Centurion, Pressurized Centurion	SA02735CH Vitaoe Aviation LLC	Continental TSIO-520-R, TSIO-520-P, TSIO-520-AF 310 HP @ 2700 RPM	HC-J3YF-1RF F7693DF+2 F7693DFB+2	80" - 78"	C-4582-1 C-4582-1P	2824
CESSNA T210M, T210N, P210N Centurion, Pressurized Centurion	SA02821CH Hartzell Propeller	Continental TSIO-520-R, TSIO-520-P, TSIO-520-AF 310 HP @ 2700 RPM	HC-J3YF-1RF F7693DF+2 F7693DFB+2	80" - 78"	C-4582-1 C-4582-1P	2971
CESSNA U206B Thru U206G s/n U20604074 See Notes	SA02735CH Vitaoe Aviation LLC	Continental IO-520-F 300 HP @ 2850 RPM	HC-C3YF-1RF F8068-2*2	80" - 78"	A-2295-1 A-2295-1P	2918
CESSNA U206B Thru U206G s/n U20604074 See Notes	SA02821CH Hartzell Propeller	Continental IO-520-F 300 HP @ 2850 RPM	HC-C3YF-1RF F8068-2*2	80" - 78"	A-2295-1 A-2295-1P	2991

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CESSNA LC42-550FG CESSNA 350	A00003SE	CONTINENTAL IO-550-N 310 HP @ 2700 RPM	PHC-J3YF-1RF F7691D-1 F7691DK-1 F7691DK-1*1	77.0" TO 76.0"	C-6446-1 C-6446-1P C-6446-2 C-6446-2P	1411
CESSNA LC40-550FG CESSNA 300	A00003SE	CONTINENTAL IO-550-N 310 HP @ 2700 RPM	PHC-J3YF-1RF F7691D-1	77" to 76"	C-6446-1 C-6446-1P	2559
CESSNA LC41-550FG CESSNA 400	Experimental	CONTINENTAL TSIO-550-E 310 HP @ 2600 RPM	HC-J3YF-1RF F7693DF	76.0"	C-6446-1 C-6446-1P C-6446-2 C-6446-2P	1833
CESSNA LC41-550FG CESSNA 400	Experimental	CONTINENTAL TSIO-550-E 310 HP @ 2600 RPM	PHC-J3YF-1RF F7693DF	78.0"	C-6446-1 C-6446-1P	1510
CESSNA LC41-550FG, T240 CESSNA 400, CORVALIS TTx	A00003SE	CONTINENTAL TSIO-550-C 310 HP @ 2600 RPM	HC-H3YF-1RF F7693DF F7693DF*1 F7693DFK	77.0" - 78.0"	C-6446-2 C-6446-2P	2016
CESSNA T50	STC-SA2397 L. L. WALKER	LYCOMING R680-9, R680-13 300 HP @ 2300 RPM	HC-93Z20-2B 9349-5 9349N-5 9350-5	88" NO CUT OFF	836-31 836-32	334
CESSNA 120, 140, 140A	5A2	CONTINENTAL C85-12, -12F, -14F 85 HP @ 2575 RPM	HA-12UF-1 7214 7214M 7414	74" TO 72"		335
CESSNA 170	STC-SA135CE KWAD CO.	LYCOMING O-320-(A,B)1(A,B), - (A,B)3(A,B) 160 HP @ 2700 RPM	HC-82XL-1F, HC-A2XL-1 7636-4 7636D-4	72.2"	835-30 835-6P	2130

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CESSNA 170	STC-SA135CE KWAD CO.	LYCOMING O-320-(A,B)1(A,B), - (A,B)3(A,B) 160 HP @ 2700 RPM	HC-82VL-1F, HC-A2VL-1 V7636D-4 V7636N-4	72.2"	835-30 835-6P	2131
CESSNA 170	STC-SA135CE KWAD CO.	LYCOMING O-320-(A,B)1(A,B), - (A,B)3(A,B) 160 HP @ 2700 RPM	HC-A2MVL-1 MV7636N-4	72.2"	835-30 835-6P	338
CESSNA 170	STC-SA1-245 TURNER AVIATION	LYCOMING O-340-A1A 170 HP @ 2700 RPM	HC-82XL-1F, HC-A2XL-1F, HC-82XL- 1, HC-A2XL-1 8433-12	72.2"	835-30	2128
CESSNA 170	STC-SA3-13 KWAD CO.	LYCOMING O-340 170 HP @ 2700 RPM	HC-82XL-1, HC-A2XL-1 7636-4	72.2"	835-30 835-6P	2132
CESSNA 170	STC-SA1-245 TURNER AVIATION	LYCOMING O-340-A1A 170 HP @ 2700 RPM	HC-82VL-1F, HC-A2VL-1F, HC-82VL- 1, HC-A2VL-1 V8433N-12	72.2"	835-30	2129
CESSNA 170	STC-SA3-13 KWAD CO.	LYCOMING O-340 170 HP @ 2700 RPM	HC-82VL-1, HC-A2VL-1 V7636D-4	72.2"	835-30 835-6P	2133
CESSNA 170	STC-SA1-245 TURNER AVIATION	LYCOMING O-340-A1A 170 HP @ 2700 RPM	HC-A2MVL-1 MV8433N-12	72.2"	835-30	337
CESSNA 170	STC-SA3-13 KWAD CO.	LYCOMING O-340 170 HP @ 2700 RPM	HC-A2MVL-1 MV7636N-4	72.2"	835-30 835-6P	339
CESSNA 170	STC-SA421CE MID AMERICAN STOL	LYCOMING O-360-A1A, -A1D 180 HP @ 2700 RPM	HC-C2YK-1A F7666A-2	74"	835-33	340
CESSNA 175, 175 A, B, C	SA02343AK David A. Stoots	Lycoming IO-390-A3A6 210 HP @ 2700 RPM	HC-C2YR-1BFP F8477-2	82" to 81"	C-3568 C-3568-P	3130

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CESSNA 170, 170A, 170B	STC-SA135CE KWAD CO.	LYCOMING O-320-(A,B)1(A,B), (A,B)3(A,B) 160 HP @ 2700 RPM	HC-82XL-1F 7636D-4	72.2"	835-30 835-6P	2363
CESSNA 170, 170A, 170B	STC-SA135CE KWAD CO.	LYCOMING O-320-(A,B)1(A,B), (A,B)3(A,B) 160 HP @ 2700 RPM	HC-82VL-1F V7636D-4	72.2"	835-30 835-6P	2364
CESSNA 170, 172, 175	SA00461SE DEL-AIR	LYCOMING O-360 180 HP @ 2700 RPM	HC-C2YR-1BF F8477-4	80" TO 78"	C-3568 C-3568-P	1854
CESSNA 170A	STC-SA1-240 FULTON CONVERSION	LYCOMING O-435-C 190 HP @ 2550 RPM	HC-12X20-8, HC-D2X20-8, HC-12X20- 8D, HC-D2X20-8D 8433-6	78"		2126
CESSNA 170A	STC-SA1-240 FULTON CONVERSION	LYCOMING O-435-C 190 HP @ 2550 RPM	HC-12V20-8, HC-D2V20-8, HC-12V20- 8D, HC-D2V20-8D V8433-6 V8433N-6	78"		2127
CESSNA 170A	STC-SA1-240 FULTON CONVERSION	LYCOMING O-435-C 190 HP @ 2550 RPM	HC-D2MV20-8 MV8433N-6	78"		336
CESSNA 170A, 170B	STC-SA3-13 KWAD CO.	LYCOMING O-340-A1A 170 HP @ 2700 RPM	HC-82XL-1F 8433-12	72.2"	835-30 835-6P	2365
CESSNA 170A, 170B	STC-SA3-13 KWAD CO.	LYCOMING O-340-A1A 170 HP @ 2700 RPM	HC-82VL-1F V8433N-12	72.2"	835-30 835-6P	2366
CESSNA 170(A,B)	SA02155AK DAVID A. STOOFS	LYCOMING O-360-()()() 180 HP @ 2700 RPM	HC-C2YR-1BF F8477-4	80" TO 78"	C-3568 C-3568-P	2457
CESSNA 170, 170A, 170B	STC-SA749CE ROBERT WILLIAMS (AVCON)	LYCOMING O-360-A1A, -A1B 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A	76"	835-33 835-33P	341

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CESSNA 170A, 170B	STC-SA806CE AVCON INDUSTRIES	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74"	835-33	342
CESSNA 170A, 170B	SA01111CH HARTZELL PROPELLER	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YR-1BF F8477-4	80" TO 78"	C-3568 C-3568-P	1458
CESSNA 170A,B 172,172A-H 175,175A-C P172D	STC-SA00461SE DEL-AIR	LYCOMING O-360-A1A, -A1D 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A	76" TO 72"		1559
CESSNA 170B, 172, 172(A-P), 175, 175(A-C) SKYHAWK	STC-SA293NW FRANKLIN AIRCRAFT ENGINES	FRANKLIN 6A-350-C1(R,L), -C2 215 HP @ 2800 RPM	HC-C2YF-1BF F8459A-4	80" TO 76"	A-4203-P	2018
CESSNA 170B, 172, 172(A-P), 175, 175(A-C) SKYHAWK	STC-SA293NW GLD SYSTEMS (FRANKLIN A/C ENGINES)	FRANKLIN 6A-350-C1(R,L), -C2 215 HP @ 2800 RPM	HC-C2YF-1BF F8459-4	80" TO 76"	A-4203	351
CESSNA 172 SKYHAWK	STC-SA3-126 KWAD CO.	LYCOMING O-340-A1A 170 HP @ 2700 RPM	HC-82XL-1, HC-A2XL-1, HC-82XL-1F, HC-A2XL-1F 8433-12	72.2"	835-30 835-6P	2134
CESSNA 172 SKYHAWK	STC-SA3-126 KWAD CO.	LYCOMING O-340-A1A 170 HP @ 2700 RPM	HC-82VL-1, HC-A2VL-1, HC-82VL-1F, HC-A2VL-1F V8433N-12	72.2"	835-30 835-6P	2135
CESSNA 172 SKYHAWK	STC-SA3-126 KWAD CO.	LYCOMING O-340-A1A 170 HP @ 2700 RPM	HC-A2MVL-1 MV8433N-12	72.2"	835-30 835-6P	343
CESSNA 172 SKYHAWK	STC-SA3-571 KWAD CO.	LYCOMING O-360-A1D 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74"	835-20	344
CESSNA 172 SKYHAWK	STC-SA807CE AVCON INDUSTRIES	LYCOMING O-360-A1A, -A1D, -A1F6 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A F7666A-2	72" MIN		352
CESSNA 172 SKYHAWK	STC-SA1342GL PORSCHE	PORSCHE PFM 3200 217 HP @ 2343 RPM	BHC-J2YF-1C B7421	74"	D-5413-P	353

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CESSNA 172, 175 SKYHAWK	STC-SA610SW RFB COMPANY	LYCOMING O-320 160 HP @ 2700 RPM	not procurable	72.2"		347
CESSNA 172, 175 SKYHAWK	STC-SA610SW RFB COMPANY	LYCOMING O-320 160 HP @ 2700 RPM	HC-82XL-2, HC-A2XL-2 7636-4 7636D-4	72.2"		2136
CESSNA 172, 175 SKYHAWK	STC-SA610SW RFB COMPANY	LYCOMING O-320 160 HP @ 2700 RPM	HC-82VL-2, HC-A2VL-2 V7636D-4 V7636N-4	72.2"		2137
CESSNA 172, 175 SKYHAWK	STC-SA610SW RFB COMPANY	LYCOMING O-360 180 HP @ 2700 RPM	HC-92ZK-2B 8447-12A 8447N-12A	71.6"	835-30	348
CESSNA 172, A, B, C, D, E, F, G, H SKYHAWK	STC-SA420CE MID AMERICAN STOL	LYCOMING O-360-A1A, -A1D 180 HP @ 2700 RPM	HC-C2YR-1B F7666-2	74"	835-33	345
CESSNA 172, 172A-I, 172K-N, 172P	SA02186AK HARTZELL PROPELLER	LYCOMING O-360-()()() 180 HP @ 2700 RPM	HC-C2YR-1BF F8477-4	80" TO 78"	835-23 835-23P C-3568 C-3568-P	1877
CESSNA 172, 172(A-P)	SA02155AK DAVID A. STOOFS	LYCOMING O-360-()()() 180 HP @ 2700 RPM	HC-C2YR-1BF F8477-4	80" TO 78"	C-3568 C-3568-P	2458
CESSNA 172A-N SKYHAWK	STC-SA87NW KENMORE AIR HARBOR	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A	76"	835-33 835-33P	350
CESSNA 172I, K, L, M, N SKYHAWK	STC-SA647CE ROBERT WILLIAMS (AVCON)	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YR-1B(F) F7666A-2	76.0" TO 72.5"	835-21P 835-23 835-33	349
CESSNA 172I, K, L, M, N SKYHAWK	STC-SA647CE ROBERT WILLIAMS (AVCON)	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YR-1B(F) F7666 F7666A	76.0" TO 72.5"	835-21P 835-23 835-33	1666

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CESSNA R172K HAWK XP	STC SA02078CH HARTZELL PROPELLER	CONTINENTAL IO-360-K, -KB 195 HP @ 2600 RPM	HC-C3YF-1RF F7392*2	75	A-2295-1P	2509
CESSNA R172K HAWK XP	STC SA02078CH/SA 1437 CE HARTZELL PROPELLER	CONTINENTAL IO-360-KC, -KBC 210 HP @ 2800 RPM	HC-C3YF-1RF F7392*2	75	A-2295-1P	2540
CESSNA 175	STC-SA3-674 KWAD CO.	LYCOMING O-360-A1D 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74"	835-20	354
CESSNA 175, 175A	STC-SA424CE ROBERT WILLIAMS	LYCOMING O-360-A1D, -A1A 180 HP @ 2700 RPM	HC-92ZK-8D 8447-12A 8447N-12A	71.6"		356
CESSNA 175, 175A	STC-SA424CE ROBERT WILLIAMS	LYCOMING O-360-A1D, -A1A 180 HP @ 2700 RPM	HC-C2YR-1A, -1B F7666-2 F7666A-2	74"	835-33	355
CESSNA 175, 175A, 175B, 175C	STC-SA777CE ROBERT WILLIAMS (AVCON)	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74"		357
CESSNA 175, 175(A,B,C)	SA02155AK DAVID A. STOOFS	LYCOMING O-360-()()() 180 HP @ 2700 RPM	HC-C2YR-1BF F8477-4	80" TO 78"	C-3568 C-3568-P	2459
CESSNA 175, 175A-C	SA02186AK HARTZELL PROPELLER	LYCOMING O-360-()()() 180 HP @ 2700 RPM	HC-C2YR-1BF F8477-4	80" TO 78"	835-23 835-23P C-3568 C-3568-P	1878
CESSNA 177 CARDINAL	STC-SA906CE ROBERT WILLIAMS (AVCON)	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74" TO 72"		363
CESSNA 177 CARDINAL	STC-SA2508WE HOLIDAY AERO	LYCOMING O-360-A1D 180 HP @ 2700 RPM	HC-C2YR-1BF F7666A-2	74" TO 72"		360
CESSNA 177 CARDINAL	STC-SA545CE ROBERT WILLIAMS	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YR-1B F7666A-2	74"		361

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CESSNA 177B CARDINAL	STC-SA1556GL HARTZELL PROPELLER	LYCOMING O-360-A1F6(D) 180 HP @ 2700 RPM	HC-C3YR-1RF F7282 F7282*1	74.0" TO 73.0"	A-2295-1 A-2295-1P C-4582 C-4582-P	358
CESSNA 177RG, F177RG CARDINAL	STC-SA1556GL HARTZELL PROPELLER	LYCOMING IO-360-A1B6(D) 200 HP @ 2700 RPM	HC-C3YR-1RF F7282	74.0" TO 73.0"	A-2295-1 A-2295-1P C-4582 C-4582-P	1080
CESSNA 180(), 182()	SA02278AK P. PONK	TCM (I)O-550-D, O-470-K,-L,-R,-S,-U,-50 300 HP @ 2700 RPM	PHC-G3YF-1RF F8068 F8068+2	84" to 78"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P	2850
CESSNA 180, 182 Skylane, Skywagon	SA02735CH Vitaoe Aviation LLC	Continental IO-550-F 285 HP @ 2700 RPM	HC-G3YF-1RF F8068*4	82" - 78"	C-4582 C-4582-P D-5732-P	2940
CESSNA 180, 182 Skylane, Skywagon	SA02821CH Hartzell Propeller	Continental IO-550-F 285 HP @ 2700 RPM	HC-G3YF-1RF F8068*4	82" - 78"	C-4582 C-4582-P D-5732-P	3004
CESSNA 180 SKYWAGON	5A6	CONTINENTAL O-470-A,-J(2550 rpm);-K(230 hp) 225 HP @ 2600 RPM	HC-82XF-1, HC-A2XF-1, HC-82XF-1A, HC-A2XF-1A	8433; 84" to 82", 8833 NO CUT	835-13	2138
CESSNA 180 SKYWAGON	5A6	CONTINENTAL O-470-A,-J(2550 rpm);-K(230 hp) 225 HP @ 2600 RPM	HC-82VF-1, HC-A2VF-1, HC-82VF-1A, HC-A2VF-1A V8833 V8833N	8433; 84" to 82", 8833 NO CUT	835-13	2139
CESSNA 180 SKYWAGON	5A6	CONTINENTAL O-470-A,-J(2550 rpm);-K(230 hp) 225 HP @ 2600 RPM	HC-A2MVf-1A MV8433N MV8833N	8433; 84" to 82", 8833 NO CUT	835-13	364

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CESSNA 180	SA00852AT HARTZELL PROPELLER	CONTINENTAL O-470-A,J,K,L,R,S 230 HP @ 2600 RPM	PHC-C3YF-1RF F7691 F7691*1	78.0" TO 77.0"	A-2295-1 A-2295-1P C-3535-1P	1624
CESSNA 180K SKYWAGON	SA00852AT HARTZELL PROPELLER INC.	CONTINENTAL O-470-U 230 HP @ 2400 RPM	PHC-C3YF-1RF F7691	77.0 TO 78.0	A-2295-1 A-2295-1P C-3535-1 C-3535-1P	2582
CESSNA 180	SA090185C TEXAS SKYWAYS	TCM O-550F/TS 300 HP @ 2700 RPM	PHC-C3YF-1RF F8068*1	82	D-5732-P	2599
CESSNA 180K Skywagon	SA02735CH Vitatoe Aviation LLC	Continental O-470-U 230 HP @ 2400 RPM	HC-C3YF-1RF F8068*4	82" - 78"	A-2295-1 A-2295-1P	2860
CESSNA 180K Skywagon	SA02821CH Hartzell Propeller	Continental O-470-U 230 HP @ 2400 RPM	HC-C3YF-1RF F8068*4	82" - 78"	A-2295-1 A-2295-1P	2973
CESSNA 180 SKYWAGON	STC-SA09025SC HARTZELL PROPELLER	CONTINENTAL O-470-K, -L, -R, -S 230 HP @ 2600 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	C-4582 C-4582-P	1082
CESSNA 180 SKYWAGON	STC-SA09025SC HARTZELL PROPELLER	CONTINENTAL O-470-K, -L, -R, -S 230 HP @ 2600 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	D-5732 D-5732-P	1680
CESSNA 180 SKYWAGON	STC-SA09025SC HARTZELL PROPELLER	CONTINENTAL O-470-U 230 HP @ 2400 RPM	PHC-G3YF-1RF F7691 F7691*1	78.0" TO 77.0"	D-4798-1 D-4798-1P D-5732 D-5732-P	1437
CESSNA 180 SKYWAGON	STC-SA09025SC HARTZELL PROPELLER	CONTINENTAL O-470-U 230 HP @ 2400 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	C-4582 C-4582-P	1679

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CESSNA 180, 182 SKYWAGON (SKYLANE 182)	STC-SE4988NM/SA09018SC TEXAS SKYWAYS	CONTINENTAL IO-520-D 300 HP @ 2850 RPM	PHC-G3YF-1RF F7691 F7691*1	78.0" TO 77.0"	D-5732-P	1083
CESSNA 180, 182 SKYWAGON (SKYLANE 182)	STC-SE4988NM/SA09018SC TEXAS SKYWAYS	CONTINENTAL IO-520-D 300 HP @ 2850 RPM	PHC-G3YF-1RF F7691 F7691*1	78.0" TO 77.0"	C-4582-P	1677
CESSNA 180() Skywagon	SA02735CH Vitatoe Aviation LLC	CONTINENTAL IO-520-F (de-rated) 235 HP @ 2700 RPM	HC-C3YF-1RF F8068*4	82" - 78"	D-5732-P	2904
CESSNA 180() Skywagon	SA02821CH Hartzell Propeller	CONTINENTAL IO-520-F (de-rated) 235 HP @ 2700 RPM	HC-C3YF-1RF F8068*4	82" - 78"	D-5732-P	2981
CESSNA 180() SKYWAGON	SA02735CH Vitatoe Aviation LLC	CONTINENTAL O-470-A, -K, -J, -L, -S 230 HP @ 2600 RPM	PHC-C3YF-1RF F8068*4	82" - 78"	A-2295-1 A-2295-1P C-3535-1 C-3535-1P	2903
CESSNA 180() SKYWAGON	SA02821CH Hartzell Propeller	CONTINENTAL O-470-A, -K, -J, -L, -S 230 HP @ 2600 RPM	PHC-C3YF-1RF F8068*4	82" - 78"	A-2295-1 A-2295-1P C-3535-1 C-3535-1P	2980
CESSNA 180() Skywagon	SA02821CH Hartzell Propeller	TELEDYNE CONTINENTAL O-470-U, 230 HP @ 2400 RPM	PHC-C3YF-1RF F8068*4	82" - 78"	D-5732-P	3040
CESSNA 180() Skywagon	SA02735CH VITATOE AVIATION LLC	TELEDYNE CONTINENTAL O-470-U 230 HP @ 2400 RPM	PHC-C3YF-1RF F8068*4	82" - 78"	D-5732-P	3039
CESSNA 180(), 182()	SA02278AK P. PONK	CONTINENTAL IO-520-D, IO-550-D, O-470-K,-L,-R,-S,-U,-50 300 HP @ 2700 RPM	PHC-C3YF-1RF F8068 F8068+2	84 TO 78	C-3535-1P	2026

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CESSNA 180A,B SKYWAGON	5A6	CONTINENTAL O-470-K 230 HP @ 2600 RPM	HC-A2MVF-1A MV8433N MV8833N	8433; 84" to 82", 8833 NO CUT	835-13	1639
CESSNA 180A,B SKYWAGON	5A6	CONTINENTAL O-470-K 230 HP @ 2600 RPM	HC-82XF-1A, HC-A2XF-1A 8433	8433; 84" to 82", 8833 NO CUT	835-13	2306
CESSNA 180A,B SKYWAGON	5A6	CONTINENTAL O-470-K 230 HP @ 2600 RPM	HC-82VF-1A, HC-A2VF-1A V8433 V8433N	8433; 84" to 82", 8833 NO CUT	835-13	2307
CESSNA 180, A, B, C, D, E, F, G, H SKYWAGON	STC-SA816SW PETERSON AIRCRAFT	CONTINENTAL O-470-A, -J, -R, -K, -L 230 HP @ 2600 RPM	BHC-82XF-3, BHC-A2XF-3	88" NO CUT OFF	837-11 837-18	2140
CESSNA 180, A, B, C, D, E, F, G, H SKYWAGON	STC-SA816SW PETERSON AIRCRAFT	CONTINENTAL O-470-A, -J, -R, -K, -L 230 HP @ 2600 RPM	BHC-82VF-3, BHC-A2VF-3 V8833	88" NO CUT OFF	837-11 837-18	2141
CESSNA 180, A, B, C, D, E, F, G, H SKYWAGON	STC-SA816SW PETERSON AIRCRAFT	CONTINENTAL O-470-A, -J, -R, -K, -L 230 HP @ 2600 RPM	BHC-A2(M)VF-3 MV8833N V8833	80"-R, 86"-A,J, 88"-K,L		2142
CESSNA 180, A, B, C, D, E, F, G, H SKYWAGON	STC-SA816SW PETERSON AIRCRAFT	CONTINENTAL O-470-A, -J, -R, -K, -L 230 HP @ 2600 RPM	BHC-A2MVF-3 MV8833N	88" NO CUT OFF	837-11 837-18	366
CESSNA 180, A, B, C, D, E, F, G, H SKYWAGON	STC-SA816SW PETERSON AIRCRAFT	CONTINENTAL O-470-A, -J, -R, -K, -L 230 HP @ 2600 RPM	BHC-A2MVF-3 MV8833N	80"-R, 86"-A,J, 88"-K,L		367
CESSNA 180, 180(A-H), J, K SKYWAGON	STC-SA00785AT DAVIS AVIATION SERVICES	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	C-3535-1 C-3535-1P	1085
CESSNA 180, 180(A-H), J, K SKYWAGON	STC-SA00785AT DAVIS AVIATION SERVICES	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	C-3535-1P	1459

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CESSNA 180, 180(A-H), J, K SKYWAGON	STC-SA00852AT HARTZELL PROPELLER	CONTINENTAL O-470-K, -L, -R, -S 230 HP @ 2600 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	C-3535-1P	1460
CESSNA 180, 180(A-H), J, K SKYWAGON	STC-SA00852AT HARTZELL PROPELLER	CONTINENTAL O-470-U 230 HP @ 2400 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	C-3535-1P	1576
CESSNA 180, 180(A-H), J, K SKYWAGON	STC-SA00852AT HARTZELL PROPELLER	CONTINENTAL O-470-A, J, K, L, R, S 230 HP @ 2600 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1 A-2295-1P C-3535-1P	1461
CESSNA 180, 180(A-H), J, K SKYWAGON	STC-SA00852AT HARTZELL PROPELLER	CONTINENTAL O-470-K,L 230 HP @ 2600 RPM	PHC-G3YF-1RF F8468A-6R	80.0" TO 78.0"	D-5732-P	1462
CESSNA 180, 180(A-H), J, K SKYWAGON	STC-SA00852AT HARTZELL PROPELLER	CONTINENTAL O-470-K, -L, -R, -S 230 HP @ 2600 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	D-5732-P	1463
CESSNA 180, 180(A-H), J, K SKYWAGON	STC-SA00852AT HARTZELL PROPELLER	CONTINENTAL O-470-U 230 HP @ 2400 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	D-5732-P	1577
CESSNA 180, 180(A-H), J, K SKYWAGON	STC-SA00852AT HARTZELL PROPELLER	CONTINENTAL O-470-U 230 HP @ 2600 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1 A-2295-1P C-3535-1 C-3535-1P	2766
CESSNA 180, 180(A-H), J, K SKYWAGON	STC-SA01345AT DAVIS AVIATION SERVICES	CONTINENTAL IO-520-D 285 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	C-3535-1P	1465
CESSNA 180, 180(A-H), J, K SKYWAGON	STC-SA01345AT DAVIS AVIATION SERVICES	CONTINENTAL IO-520-D 285 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	C-3535-1P	1466
CESSNA 180, 180(A-H), J, K SKYWAGON	STC-SA01442AT DAVIS AVIATION SERVICES	CONTINENTAL O-470-U (with STC SE1153AT) 252 HP @ 2625 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	C-3535-1P	1464

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CESSNA 180C,D,E,F SKYWAGON	5A6	CONTINENTAL O-470-L 230 HP @ 2600 RPM	(B)HC-A2MV-1A MV8433N MV8833N	8433; 84" to 82", 8833 NO CUT	835-13	1640
CESSNA 180C,D,E,F SKYWAGON	5A6	CONTINENTAL O-470-L HP @ RPM	HC-82XF-1DB1 8433			2368
CESSNA 180C,D,E,F SKYWAGON	5A6	CONTINENTAL O-470-L HP @ RPM	BHC-A2XF-1A			2367
CESSNA 180C,D,E,F SKYWAGON	5A6	CONTINENTAL O-470-L HP @ RPM	HC-A2VF-1A V8833 V8833N			2369
CESSNA 182 SKYLANE	STC-SA09000SC HARTZELL PROPELLER	CONTINENTAL O-470-L, -R, -S 230 HP @ 2600 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	C-4582 C-4582-P	1678
CESSNA 182 SKYLANE	STC-SA09000SC HARTZELL PROPELLER	CONTINENTAL O-470-L, -R, -S 230 HP @ 2600 RPM	PHC-G3YF-1RF F7691 F7691*1	78.0" TO 77.0"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P D-5732 D-5732-P	1423
CESSNA 182 SKYLANE	STC-SA09001SC TEXAS SKYWAYS	CONTINENTAL O-470-L, -R, -S 230 HP @ 2600 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	C-4582 C-4582-P D-5732 D-5732-P	1084
CESSNA 182 SKYLANE	STC-SA09000SC HARTZELL PROPELLER	CONTINENTAL O-470-U 230 HP @ 2400 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	D-5732 D-5732-P	1552
CESSNA 182 SKYLANE	STC-SA09000SC HARTZELL PROPELLER	CONTINENTAL O-470-U 230 HP @ 2400 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	C-4582 C-4582-P	1676

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CESSNA 182 SKYLANE	STC-SA09001SC TEXAS SKYWAYS	CONTINENTAL O-470-U/TS HP @ RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	C-4582 C-4582-P D-5732 D-5732-P	1573
CESSNA 182 SKYLANE	STC-SA09001SC TEXAS SKYWAYS	CONTINENTAL O-470-U 230 HP @ 2600 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	C-4582 C-4582-P D-5732 D-5732-P	1572
CESSNA 182 SKYLANE	STC-SA09001SC TEXAS SKYWAYS	CONTINENTAL O-470-50 HP @ RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	C-4582 C-4582-P D-5732 D-5732-P	1574
CESSNA 182 SKYLANE	SA09026SC TEXAS SKYWAYS	CONTINENTAL O-520-F/TS, O-520-U/TS 285 HP @ 2700 RPM	PHC-C3YF-1RF F8068	82	C-4582-P D-5732-P	2485
CESSNA 182 SKYLANE	SA09026SC TEXAS SKYWAYS	CONTINENTAL O-520-F/TS, O-520-U/TS 285 HP @ 2700 RPM	HC-G3YF-1RF F8068	82"	D-5732-P	2658
CESSNA 182 SKYLANE	SA09026SC TEXAS SKYWAYS	CONTINENTAL O-520-F/TS, O-520-U/TS 285 HP @ 2700 RPM	HC-C3YF-1RF F8068	82	C-4582-P D-5732-P	2659
CESSNA 182 SKYLANE	SA00152WI AIR PLAINS SERVICES	CONTINENTAL IO-520-D 300 HP @ 2850 RPM	PHC-L3YF-1RF F7691 F7691*1 F7691*2	78"	C-4582-P	1086
CESSNA 182 Skylane	SA00152WI Air Plains	Continental Motors IO-550-D 300 HP @ 2700 RPM	PHC-L3YF-1RF F7691 F7691*1 F7691*2	78"	C-4582-P	3092

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CESSNA 182S, 182T, T182T Skylane, Turbo Skylane	SA03078CH Hartzell Propeller Inc.	Lycoming IO-540-AB1A5 @ 230 hp: (T182T: TIO-540-AK1A @ 235 hp) 235 HP @ 2400 RPM	HC-F3YR-1ARF F8068*4 F8068K*2	82" - 78"	A-2295-14P A-2295-3 A-2295-3P	2857
CESSNA R182, TR182, FR182 SKYLANE RG	SA03078CH Hartzell Propeller Inc.	LYCOMING O-540-J3C5D, O-540-L3C5D+turbo 235 HP @ 2400 RPM	HC-C3YR-1RF F8068*4	82" - 80"	A-2295-3P	3138
CESSNA FR182, R182, TR182, T182 Skylane RG, Turbo Skylane	SA03078CH Hartzell Propeller	Lycoming O-540-J3C5D, O-540-L3C5D + turbo 235 HP @ 2400 RPM	HC-I3YR-1RF F7693F+2*1 F7693FB+2*2	80" - 78"	105012 105012P D-6750 D-6750-P	3081
CESSNA 182 SKYLANE	STC-SA108CE AEROSTOL COMPANY	HP @ RPM	BHC-82VF-3, BHC-A2VF-3 V8433-2 V8433N-2	82.3"		2145
CESSNA 182 SKYLANE	STC-SA108CE AEROSTOL COMPANY	HP @ RPM	BHC-82XF-3, BHC-A2XF-3 8433-2	82.3"		2144
CESSNA 182 SKYLANE	STC-SA108CE AEROSTOL COMPANY	HP @ RPM	BHC-A2MVF-3 MV8433N-2	82.3"		371
CESSNA 182 Skylane	SA02735CH Vitatoe Aviation LLC	Continental O-470-U-TS 250 HP @ 2625 RPM	HC-G3YF-1RF F8068*4	82" - 78"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P	2937
CESSNA 182 Skylane	SA02821CH Hartzell Propeller	Continental O-470-U-TS 250 HP @ 2625 RPM	HC-G3YF-1RF F8068*4	82" - 78"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P	3001

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CESSNA 182 Skylane	SA02735CH Vitatoe Aviation LLC	Continental O-470-U-TS 250 HP @ 2600 RPM	HC-G3YF-1RF F8068*4	82" - 78"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P	2936
CESSNA 182 Skylane	SA02821CH Hartzell Propeller	Continental O-470-U-TS 250 HP @ 2600 RPM	HC-G3YF-1RF F8068*4	82" - 78"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P	3000
CESSNA 182 () Skylane	SA02735CH Vitatoe Aviation LLC	Continental IO-520-D 300 HP @ 2850 RPM	HC-G3YF-1RF F8068-2*2	80"-78"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P D-5732-P	2895
CESSNA 182 () Skylane	SA02821CH Hartzell Propeller	Continental IO-520-D 300 HP @ 2850 RPM	HC-G3YF-1RF F8068-2*2	80"-78"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P D-5732-P	2977
CESSNA 182 () Skylane	SA02735CH Vitatoe Aviation LLC	Continental IO-520-D 300 HP @ 2850 RPM	HC-G3YF-1RF F8068-2*2	80" to 78"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P	2932
CESSNA 182 () Skylane	SA02735CH Vitatoe Aviation LLC	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	HC-G3YF-1RF F8068*4	82" to 78"	D-4798-1 D-4798-1P D-4798-3 D-5732-P	2913

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CESSNA 182 () Skylane	SA02821CH Hartzell Propeller	Continental IO-520-D 300 HP @ 2850 RPM	HC-G3YF-1RF F8068-2*2	80" to 78"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P	2998
CESSNA 182 () Skylane	SA02821CH Hartzell Propeller	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	HC-G3YF-1RF F8068*4	82" to 78"	D-4798-1 D-4798-1P D-4798-3 D-5732-P	2990
CESSNA 182 - 182P SKYLANE	SA02735CH Vitaoe Aviation LLC	CONTINENTAL O-470-L, -R, -S 230 HP @ 2600 RPM	PHC-G3YF-1RF F8068*4	82" - 78"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P	2912
CESSNA 182 - 182P SKYLANE	SA02821CH Hartzell Propeller	CONTINENTAL O-470-L, -R, -S 230 HP @ 2600 RPM	PHC-G3YF-1RF F8068*4	82" - 78"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P	2989
CESSNA 180, 182 Skywagon, Skylane	SA02735CH Vitaoe Aviation LLC	Continental IO-520-F 280 HP @ 2700 RPM	HC-G3YF-1RF F8068*4	82" - 78"	C-4582 C-4582-P D-5732-P	2939
CESSNA 180, 182 Skywagon, Skylane	SA02821CH Hartzell Propeller	Continental IO-520-F 280 HP @ 2700 RPM	HC-G3YF-1RF F8068*4	82" - 78"	C-4582 C-4582-P D-5732-P	3003
CESSNA 182 () Skylane	SA02735CH Vitaoe Aviation LLC	Continental O-470-U 230 HP @ 2400 RPM	HC-G3YF-1RF F8068*4	82"-80"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P	2823

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Cessna 182() Skylane	SA02821CH Hartzell Propeller	Continental O-470-U 230 HP @ 2400 RPM	HC-G3YF-1RF F8068*4	82"-80"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P	2970
CESSNA 182 Skylane	SA02735CH Vitatoe Aviation LLC	Continental O-470-U 252 HP @ 2625 RPM	HC-G3YF-1RF F8068*4	82" - 78"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P	2938
CESSNA 182 Skylane	SA02821CH Hartzell Propeller	Continental O-470-U 252 HP @ 2625 RPM	HC-G3YF-1RF F8068*4	82" - 78"	D-4798-1 D-4798-1P D-4798-3 D-4798-3P	3002
CESSNA R182, TR182, FR182 SKYLANE RG	SA03078CH Hartzell Propeller Inc.	LYCOMING O-540-J3C5D, O-540-L3C5D+turbo 235 HP @ 2400 RPM	HC-C3YR-1RF F7693F+2*1	80" - 78"	A-2295-3P	3139
CESSNA R182, TR182, FR182, T182 SKYLANE RG, TURBO SKYLANE	SA03078CH Hartzell Propeller	Lycoming O-540-J3C5D, O-540-L3C5D+turbo 235 HP @ 2400 RPM	HC-I3YR-1RF F8068*4 F8068B*3	82" - 78"	105012 105012P D-6750 D-6750-P	3137
CESSNA 182 SKYLANE	SA09026SC TEXAS SKYWAYS	CONTINENTAL O-520-F/TS, O-520-U/TS 285 HP @ 2700 RPM	PHC-G3YF-1RF F8068	80"	D-5732-P	1791
CESSNA 182S, 182T, T182T Skylane, Turbo Skylane	SA03078CH Hartzell Propeller Inc.	Lycoming O-540-AB1A5, TIO-540-AK1A 235 HP @ 2400 RPM	HC-F3YR-1ARF F7693F+2*1 F7693FK+2	80"- 77"	A-2295-14P A-2295-3 A-2295-3P	2854
CESSNA 182 SKYLANE	Experimental SMA	SMA SR305 230 HP @ 2200 RPM	HC-E3YR-1C 7690J	78	D-6936 D-6936-P	2598

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CESSNA 182S, 182T, T182T	SA11143SO TEXAS SKYWAYS	TCM IO-550-N 310 HP @ 2700 RPM	HC-H3YF-1RF F8068	82" to 80"	C-3570 C-3570-P	2806
CESSNA 182, 182A,B,C,D,E SKYLANE	STC-SA129EA HARTZELL PROPELLER	CONTINENTAL O-470-L 230 HP @ 2600 RPM	BHC-82VF-1A, BHC-A2VF-1A V8433-2 V8433N-2	82.3" TO 80"	835-25	2147
CESSNA 182, 182A,B,C,D,E SKYLANE	STC-SA129EA HARTZELL PROPELLER	CONTINENTAL O-470-L 230 HP @ 2600 RPM	BHC-82XF-1A, BHC-A2XF-1A 8433-2	82.3" TO 80"	835-25	2146
CESSNA 182, 182A,B,C,D,E SKYLANE	STC-SA129EA HARTZELL PROPELLER	CONTINENTAL O-470-L 230 HP @ 2600 RPM	BHC-A2MVF-1A MV8433N-2	82.3" TO 80"	835-25	372
CESSNA 182,A,B,C,D,E,F,G SKYLANE	3A13	CONTINENTAL O-470-L, -R 230 HP @ 2600 RPM	BHC-82VF-1, BHC-A2VF-1, BHC-82VF-1A, BHC-A2VF-1A V8433-2 V8433N-2	82.2" TO 80"	835-13	2143
CESSNA 182,A,B,C,D,E,F,G SKYLANE	3A13	CONTINENTAL O-470-L, -R 230 HP @ 2600 RPM	BHC-A2MVF-1A MV8433N-2	82.2" TO 80"	835-13	370
CESSNA 182,A,B,C,D,E,F,G SKYLANE	3A13	CONTINENTAL O-470-L,-R 230 HP @ 2600 RPM	BHC-C2YF-1B F8468-2	82.0" TO 80.0"	835-23	369
CESSNA 182-182G SKYLANE	SA3825SW PETERSON CONVERSION	CONTINENTAL IO-470-F 260 HP @ 2625 RPM	BHC-G2YF-1BF F8468A-2R	82" TO 80"	D-4798-2P D-4798P	2032
CESSNA 182 THRU 182G SKYLANE	STC-SA09000SC HARTZELL PROPELLER	CONTINENTAL O-470-L, -R, -S 230 HP @ 2600 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	D-4798-3P	1719
CESSNA 182, 182A THRU G SKYLANE	STC-SA09000SC HARTZELL PROPELLER	CONTINENTAL O-470-L, -R, -S 230 HP @ 2600 RPM	BHC-G2YF-1BF F8468A-2R	82" TO 80"	D-4798-2P	1721
CESSNA 182, 182(A-H), (J-N), (P-R) SKYLANE	STC-SA00854AT JOHN JEWELL AVIATION	CONTINENTAL O-470-L, -R, -S 230 HP @ 2600 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	D-5732-P	1467

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CESSNA 182, 182(A-H), (J-N), (P-R) SKYLANE	STC-SA00854AT JOHN JEWELL AVIATION	CONTINENTAL O-470-L, -R, -S, -U 230 HP @ 2600 RPM	PHC-G3YF-1RF F8468A-6R	80.0" TO 78.0"	D-5732-P	1418
CESSNA 182, 182(A-H), (J-N), (P-R) SKYLANE	STC-SA00854AT JOHN JEWELL AVIATION	CONTINENTAL O-470-U 230 HP @ 2400 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	D-5732-P	1578
CESSNA 182, 182(A-H), (J-N), (P-R) SKYLANE	STC-SA01443AT JOHN JEWELL AIRCRAFT, INC.	CONTINENTAL O-470-U (with STC SE1153AT) 252 HP @ 2625 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	D-5732-P	1476
CESSNA 182, 182(A-H), (J-N), (P-R) SKYLANE	STC-SA01443AT JOHN JEWELL AIRCRAFT, INC.	CONTINENTAL O-470-U (with STC SE1153AT) 252 HP @ 2625 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	D-5732-P	1477
CESSNA 182, 182(A-H), (J-N), (P-R) SKYLANE	STC-SA01302AT JOHN JEWELL AIRCRAFT, INC.	CONTINENTAL IO-520-D 285 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	D-5732-P	1473
CESSNA 182, 182(A-H), (J-N), (P-R) SKYLANE	STC-SA01302AT JOHN JEWELL AIRCRAFT, INC.	CONTINENTAL IO-520-D 285 HP @ 2700 RPM	PHC-G3YF-1RF F8468A-6R	80.0" TO 78.0"	D-5732-P	1475
CESSNA 182, 182(A-H), (J-N), (P-R) SKYLANE	STC-SA01302AT JOHN JEWELL AIRCRAFT, INC.	CONTINENTAL IO-520-D 285 HP @ 2700 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	D-5732-P	1474
CESSNA 182, 182(A-H), (J-N), (P-R) SKYLANE	STC-SA01302AT JOHN JEWELL AIRCRAFT, INC.	CONTINENTAL IO-520-D 285 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	D-5732-P	1472
CESSNA 182, 182(A-H), (J-N), (P-R) SKYLANE	STC-SA01218AT JOHN JEWELL AIRCRAFT, INC.	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	D-5732-P	1470
CESSNA 182, 182(A-H), (J-N), (P-R) SKYLANE	STC-SA01218AT JOHN JEWELL AIRCRAFT, INC.	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	D-5732-P	1469
CESSNA 182, 182(A-H), (J-N), (P-R) SKYLANE	STC-SA01218AT JOHN JEWELL AIRCRAFT, INC.	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	D-5732-P	1471
CESSNA 182, 182(A-H), (J-N), (P-R) SKYLANE	STC-SA01218AT JOHN JEWELL AIRCRAFT, INC.	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	PHC-G3YF-1RF F8468A-6R	80.0" TO 78.0"	D-5732-P	1088

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CESSNA 182E, F, G, H, J, K, L, M SKYLANE	STC-SA692SW AEROSTOL CO.	HP @ RPM	BHC-82XF-3, BHC-A2XF-3 8433-2	82.3"		2148
CESSNA 182E, F, G, H, J, K, L, M SKYLANE	STC-SA692SW AEROSTOL CO.	HP @ RPM	BHC-82VF-3, BHC-A2VF-3 V8433-2 V8433N-2	82.3"		2149
CESSNA 182E, F, G, H, J, K, L, M SKYLANE	STC-SA692SW AEROSTOL CO.	HP @ RPM	BHC-A2MVF-3 MV8433N-2	82.3"		373
CESSNA 182 H THRU 182P SKYLANE	STC-SA09000SC HARTZELL PROPELLER	CONTINENTAL O-470-L, -R, -S 230 HP @ 2600 RPM	BHC-G2YF-1BF F8468A-2R	82" TO 80"	D-4798 D-4798-2 D-4798-2P D-4798P	1720
CESSNA 182H THRU 182P SKYLANE	STC-SA09000SC HARTZELL PROPELLER	CONTINENTAL O-470-L, -R, -S 230 HP @ 2600 RPM	PHC-G3YF-1RF F7691	78.0" TO 77.0"	D-4798-1P	1718
CESSNA 182 H-R SKYLANE	SA00152WI AIR PLAINS SERVICES	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	PHC-G3YF-1RF F8468A-6R	80.0" TO 78.0"	C-4582-P	1954
CESSNA 182S SKYLANE	3A13	LYCOMING IO-540-AB1A5 235 HP @ 2400 RPM	HC-F3YR-1RF F8068-2X	80"	A-2295-4P	1623
CESSNA 182S SKYLANE	STC WIPAIRE, INC	LYCOMING IO-540-AB1A5 235 HP @ 2400 RPM	HC-F3YR-1RF F8468A-2R	84"	A-2295-4P	1551
CESSNA WREN 460 (C-182) SKYLANE	STC-SA403SW AEROSTOL CO.	HP @ RPM	BHC-82XF-3, BHC-A2XF-3 8433-2	82.3"	837-11 837-18	2150
CESSNA WREN 460 (C-182) SKYLANE	STC-SA403SW AEROSTOL CO.	HP @ RPM	BHC-82VF-3, BHC-A2VF-3 V8433-2	82.3"	837-11 837-18	2151
CESSNA WREN 460 (C-182) SKYLANE	STC-SA403SW AEROSTOL CO.	HP @ RPM	BHC-A2MVF-3 MV8433N-2	82.3"	837-11 837-18	378

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CESSNA WREN 460H,J,K,L,M (C-182) SKYLANE	STC-SA485SW AEROSTOL CO.	HP @ RPM	BHC-82XF-3, BHC-A2XF-3 8433-2	82.3"	837-11 837-18	2152
CESSNA WREN 460H,J,K,L,M (C-182) SKYLANE	STC-SA485SW AEROSTOL CO.	HP @ RPM	BHC-82VF-3, BHC-A2VF-3 V8433-2	82.3"	837-11 837-18	2153
CESSNA WREN 460H,J,K,L,M (C-182) SKYLANE	STC-SA485SW AEROSTOL CO.	HP @ RPM	BHC-A2MVF-3 MV8433N-2	82.3"	837-11 837-18	379
CESSNA 185(), U206() 207(A) See Notes () Skywagon, Stationair()	SA02735CH Vitatoe Aviation LLC	CONTINENTAL IO-520-F, IO-520-D 300 HP @ 2850 RPM	HC-C3YF-1RF F7693DF+2*1	80"-78"	A-2295-1 A-2295-1P A-2295-2 A-2295-2P C-3575 C-3575-P	2909
CESSNA 185(), U206() 207(A) See Notes () Skywagon, Stationair()	SA02821CH Hartzell Propeller	CONTINENTAL IO-520-F, IO-520-D 300 HP @ 2850 RPM	HC-C3YF-1RF F7693DF+2*1	80"-78"	A-2295-1 A-2295-1P A-2295-2 A-2295-2P C-3575 C-3575-P	2986
CESSNA 180(), 185(), 210-210C, 210-5(A) Skywagon, Centurion	SA02735CH Vitatoe Aviation LLC	CONTINENTAL O-470-U/TS, IO-470-E,-F,- S.. HP- 260 (230 O-470). RPM- 2625 (2400 (O-470) 260 HP @ 2625 RPM	PHC-C3YF-1RF F8068*4	82" - 78"	C-3575 C-3575-P	2905
CESSNA 180(), 185(), 210-210C, 210-5(A) Skywagon, Centurion	SA02821CH Hartzell Propeller	CONTINENTAL O-470-U/TS, IO-470-E,-F,- S.. HP- 260 (230 O-470). RPM- 2625 (2400 (O-470) 260 HP @ 2625 RPM	PHC-C3YF-1RF F8068*4	82" - 78"	C-3575 C-3575-P	2982
CESSNA 185 SKYWAGON	STC-SA00501AT DAVIS AVIATION SERVICES	CONTINENTAL IO-520-D 300 HP @ 2850 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 77.0"	C-3535-1P	1580

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CESSNA 185 SKYWAGON	STC-SA1443NM HARTZELL PROPELLER	CONTINENTAL IO-520-D 300 HP @ 2850 RPM	HC-C3YF-1RF F9587C-15R F9587C-17S		C-3535-1	382
CESSNA 185 SKYWAGON	STC-SA2118NM TURBO TECH	LYCOMING TIO-540-V2AD 350 HP @ 2600 RPM	HC-C3YR-1RF F7854	80"	C-4582	381
CESSNA ()185() Skywagon	SA02735CH Vitaoe Aviation LLC	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	HC-C3YF-1RF F7693DF+2*1	80-78	C-3535 C-3535P C-3575 C-3575-P	2906
CESSNA 185, A185 Skywagon	SA02735CH Vitaoe Aviation LLC	Continental IO-550-D 300 HP @ 2700 RPM	HC-C3YF-1RF F8068*4	82" - 78"	C-3535 C-3535P C-3575 C-3575-P	2858
Cessna 185, A185 Skywagon	SA02821CH Hartzell Propeller	Continental IO-550-D 300 HP @ 2700 RPM	HC-C3YF-1RF F8068*4	82" - 78"	C-3535 C-3535P C-3575 C-3575-P	2972
CESSNA 185, 185(), A185() SKYWAGON	TBD TEXAS SKYWAYS	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A	86" TO 84"	C-3535-1P	1776
CESSNA 185, 185(), A185() SKYWAGON	TBD TEXAS SKYWAYS	CONTINENTAL IO-550-D, -F, -L 300 HP @ 2700 RPM	PHC-C3YF-1RF F8068	82" TO 78"	C-3535-1P	1775
CESSNA A185E, A185F SKYWAGON	SA02528CH-D HARTZELL PROPELLER	CONTINENTAL IO-520-D 285 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-2R*1	86" - 82"	C-3575 C-3575-P	2732
CESSNA 185, 185(A-E), A185(E,F)(AG) SKYWAGON	STC-SA00501AT DAVIS AVIATION SERVICES	CONTINENTAL IO-520-D 285 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	C-3535-1P	1093

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CESSNA 185, 185(A-E), A185(E,F)(AG) SKYWAGON	STC-SA00501AT DAVIS AVIATION SERVICES	CONTINENTAL IO-520-D 285 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 77.0"	C-3535-1P	1091
CESSNA 185, 185(A-E), A185(E,F)(AG) SKYWAGON	STC-SA2933SO DAVIS AVIATION SERVICES	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	C-3535-1P	1478
CESSNA 185, 185(A-E), A185(E,F)(AG) SKYWAGON	STC-SA2933SO DAVIS AVIATION SERVICES	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 77.0"	C-3535-1P	1090
CESSNA 185, 185(A-E), A185(E,F),(AG) SKYWAGON	STC-SA2933SO DAVIS AVIATION SERVICES	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	HC-C3YF-1RF F9587C-15S	82.0" TO 80.0"	C-3535-1P	380
CESSNA 185E, A185E, A185F SKYWAGON	STC-SA587W ALASKA PROPELLER	CONTINENTAL IO-520-D 285 HP @ 2700 RPM	HC-C3YF-1RF F9587C-15S	82"	C-3535-1	383
CESSNA A185E, A185F SKYWAGON	STC-SA1443NM HARTZELL PROPELLER	CONTINENTAL IO-520-D 300 HP @ 2850 RPM	PHC-C3YF-1RF F8468A-6R F8468A-6R*1 F8468A-8R	80.0" TO 77.0"	C-3535-1 C-3535-1P C-3575 C-3575-P	1095
CESSNA A185E, A185F SKYWAGON	STC-SA1443NM HARTZELL PROPELLER	CONTINENTAL IO-520-D 285 HP @ 2700 RPM	HC-C3YF-1RF F9587C-15R F9587C-17S	82.0" TO 80.0"	C-3535-1 C-3535-1P C-3575 C-3575-P	1263
CESSNA A185E, A185F (SEAPLANES ONLY) SKYWAGON	STC-SA930SW AEROSTOL COMPANY	TCM IO-520-D HP @ 2800 RPM	HC-92WF-3 W8447	84" TO 80"	837-11 837-18	384
CESSNA A188, A188A, A188B AG WAGON	STC-SA00470AT HARTZELL PROPELLER	CONTINENTAL IO-520-D 285 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R F8468A-6R*1	80.0" TO 77.0"	C-3535-1P	1097
CESSNA A188, A188A, A188B AG WAGON	STC-SA00470AT HARTZELL PROPELLER	CONTINENTAL IO-520-D 285 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	C-3535-1P	1100

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CESSNA A188, A188A, A188B AG WAGON	STC-SA895SO HARTZELL PROPELLER	CONTINENTAL IO-520-D 285 HP @ 2700 RPM	HC-C3YF-1RF F9587C-17S	82" TO 80"	C-3535-1	390
CESSNA A188, A188A, A188B AG WAGON	STC-SA3243SO DAVIS AVIATION SERVICES	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 77.0"	C-3535-1P	1096
CESSNA A188, A188A, A188B AG WAGON	STC-SA3243SO DAVIS AVIATION SERVICES	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	C-3535-1P	1479
CESSNA A188, A188A, A188B AG WAGON	STC-SA3243SO DAVIS AVIATION SERVICES	CONTINENTAL IO-550-D 300 HP @ 2700 RPM	HC-C3YF-1RF F9587C-15S	82.0" TO 80.0"	C-3535-1 C-3535-1P	385
CESSNA A188A, A188B, T188C AG WAGON	STC-SA8343SW CHARLES YATES	LYCOMING IO-540-K1A5, -K1B5, -K1G5, -S1A5 300 HP @ 2700 RPM	HC-C2YR-1BF F8475R F8475T+2	84" TO 83"	835-44 835-44P	391
CESSNA A188B/A2 AG WAGON	STC-61-6(AUST.) PAY'S AIR SERVICE	LYCOMING IO-720-A1B 400 HP @ 2625 RPM	HC-C3YR-1RF F8475R	86"	C-3535-1	387
CESSNA A188B/A2 AG WAGON	STC-61-6(AUST.) PAY'S AIR SERVICE	LYCOMING IO-720-A1B 400 HP @ 2625 RPM	HC-C3YR-1RF F8483	86"	C-3535-1	388
CESSNA A188B, T188C AG WAGON	STC-SA3609SW CHARLES YATES	LYCOMING IO-720-A1B 400 HP @ 2625 RPM	HC-C3YR-1RF F8475R	86"	C-3535-1 C-3535-1P	1581
CESSNA T188C/A2 AG HUSKY	STC-61-6(AUST.) PAY'S AIR SERVICE	LYCOMING IO-720-A1B 400 HP @ 2625 RPM	HC-C3YR-1RF F8483	86"	835-36	386
CESSNA T188C/A2 AG HUSKY	STC-61-6(AUST.) PAY'S AIR SERVICE	LYCOMING IO-720-A1B 400 HP @ 2625 RPM	HC-C3YR-1RF F8475R	86"	835-36	389
CESSNA 190, 195, A, B	STC-SA120NW WILLIAM WIPRUD	JACOBS R-755S 350 HP @ 2200 RPM	HC-B3Z20-4 10160-12E 10160N-12E	89" MIN	836-20	392

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CESSNA 205 (A), (210-5 (A)) SUPER SKYLANE	STC-SA09467SC TEXAS SKYWAYS	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80" TO 79"	A-2295-1P	1530
CESSNA ()206(), ()210() SEE NOTES	SA02735CH Vitaoe Aviation LLC	CONTINENTAL IO-520-A, IO-520-J, TSIO-520-C, TSIO-520-H 285 HP @ 2700 RPM	HC-J3YF-1RF F7693DF+2*1 F7693DFB+2	80"-78"	C-4582-1 C-4582-1P	2902
CESSNA ()206(), ()210() SEE NOTES	SA02821CH Hartzell Propeller	CONTINENTAL IO-520-A, IO-520-J, TSIO-520-C, TSIO-520-H 285 HP @ 2700 RPM	HC-J3YF-1RF F7693DF+2*1 F7693DFB+2	80"-78"	C-4582-1 C-4582-1P	2979
CESSNA ()206(), T207(A) See Notes Super Skywagon, Stationair, Turbo Stationair	SA02735CH Vitaoe Aviation LLC.	CONTINENTAL IO-550-F, TSIO-520-M 300 HP @ 2700 RPM	HC-C3YF-1RF F7693DF+2*1	80"-78"	A-2295-1 A-2295-1P	2907
CESSNA ()206(), T207(A) See Notes Super Skywagon, Stationair, Turbo Stationair	SA02821CH Hartzell Propeller	CONTINENTAL IO-550-F, TSIO-520-M 300 HP @ 2700 RPM	HC-C3YF-1RF F7693DF+2*1	80"-78"	A-2295-1 A-2295-1P	2984
Cessna ()206(), T207(A) Super Skywagon, Stationair	SA02735CH Vitaoe Aviation LLC	Continental IO-550-F, TSIO-520-G 300 HP @ 2700 RPM	HC-C3YF-1RF F8068*4	82" - 78"	A-2295-1 A-2295-1P	2888
CESSNA ()206(), T207(A) Super Skywagon, Stationair	SA02821CH Hartzell Propeller	Continental IO-550-F, TSIO-520-G 300 HP @ 2700 RPM	HC-C3YF-1RF F8068*4	82" - 78"	A-2295-1 A-2295-1P	2975
CESSNA ()206(), ()207() Super Skywagon, Stationair	SA02735CH Vitaoe Aviation LLC	Continental IO-550-F 300 HP @ 2700 RPM	HC-C3YF-1RF F8068*4	80"-78"	D-5732-P	2869
CESSNA ()206(), ()207() Super Skywagon, Stationair	SA02821CH Hartzell Propeller	Continental IO-550-F 300 HP @ 2700 RPM	HC-C3YF-1RF F8068*4	80"-78"	D-5732-P	2974
CESSNA ()206(), 210D Super Skywagon, Stationair, Turbo Stationair, Cen	SA02735CH Vitaoe Aviation LLC	CONTINENTAL IO-520-A, TSIO-520-C 285 HP @ 2700 RPM	HC-C3YF-1RF F8068*4	82" - 78"	A-2295-1 A-2295-1P	2911

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CESSNA ()206(), 210D Super Skywagon, Stationair, Turbo Stationair, Cen	SA02821CH Hartzell Propeller	CONTINENTAL IO-520-A, TSIO-520-C 285 HP @ 2700 RPM	HC-C3YF-1RF F8068*4	82" - 78"	A-2295-1 A-2295-1P	2988
CESSNA U206G s/n U20604075 & after,210K thru 210N Super Skywagon,Stationair, Sta.7, Sta.8.Centurion	SA02821CH Hartzell Propeller	Continental IO-520-F, IO-520-L 300 HP @ 2850 RPM	HC-J3YF-1RF F8068-2*2 F8068B-2*1	80"-78"	C-4582-1 C-4582-1P	2976
CESSNA U206G s/n U20604075 & after,210K thru 210N Super Skywagon,Stationair, Sta.7, Sta.8.Centurion	SA02735CH Vitatoe Aviation LLC	Continental IO-520-F, IO-520-L 300 HP @ 2850 RPM	HC-J3YF-1RF F8068-2*2 F8068B-2*1	80"-78"	C-4582-1 C-4582-1P	2890
CESSNA ()206() See Notes Super Skywagon,Stationair,Turbo Stationai	SA02735CH Vitatoe Aviation LLC	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	HC-C3YF-1RF F7693DF+2*1	80"- 78"	A-2295-1 A-2295-1P D-5732 D-5732-P	2908
CESSNA ()206() See Notes Super Skywagon,Stationair,Turbo Stationai	SA02821CH Hartzell Propeller	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	HC-C3YF-1RF F7693DF+2*1	80"- 78"	A-2295-1 A-2295-1P D-5732 D-5732-P	2985
CESSNA TU206G TURBO STATIONAIR	SA02735CH Vitatoe Aviation LLC	CONTINENTAL TSIO-520-M 310 HP @ 2700 RPM	HC-J3YF-1RF F7693DF+2*1	80"-78"	C-4582-1 C-4582-1P	2933
CESSNA TU206G TURBO STATIONAIR	SA02821CH Hartzell Propeller	CONTINENTAL TSIO-520-M 310 HP @ 2700 RPM	HC-J3YF-1RF F7693DF+2*1	80"-78"	C-4582-1 C-4582-1P	2999
Cessna U206G s/n U20604075 and after, 210K thru 210L Stationair, Centurion	SA02735CH Vitatoe Aviation LLC	CONTINENTAL IO-520-F, IO-520-L 300 HP @ 2850 RPM	HC-J3YF-1RF F7693DF+2*1 F7693DFB+2	80"-78"	C-4582-1 C-4582-1P D-5732-P	2910
CESSNA U206G s/n U20604075 and after, 210K thru 210L Stationair, Centurion	SA02821CH Hartzell Propeller	CONTINENTAL IO-520-F, IO-520-L 300 HP @ 2850 RPM	HC-J3YF-1RF F7693DF+2*1 F7693DFB+2	80"-78"	C-4582-1 C-4582-1P D-5732-P	2987

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CESSNA P206(A,B,C,D,E) U206(B,C,D,E,F,G) Stationair	SA02735CH Vitaoe Aviation LLC	CONTINENTAL IO-550-N 310 HP @ 2700 RPM	HC-J3YF-1RF F7693DF+2*1	80"-78"	C-4582-1 C-4582-1P	2927
CESSNA P206(A,B,C,D,E) U206(B,C,D,E,F,G) Stationair	SA02821CH Hartzell Propeller	CONTINENTAL IO-550-N 310 HP @ 2700 RPM	HC-J3YF-1RF F7693DF+2*1	80"-78"	C-4582-1 C-4582-1P	2995
CESSNA ()206() Super Skylane,Turbo Stationair	SA02735CH Vitaoe Aviation LLC	Continental TSIO-520-C, IO-520-A 285 HP @ 2700 RPM	HC-J3YF-1RF F8068*4	82" - 78"	C-4582-1 C-4582-1P	2941
CESSNA ()206() Super Skylane,Turbo Stationair	SA02821CH Hartzell Propeller	Continental TSIO-520-C, IO-520-A 285 HP @ 2700 RPM	HC-J3YF-1RF F8068*4	82" - 78"	C-4582-1 C-4582-1P	3005
CESSNA ()206() Stationair	SA02735CH Vitaoe Aviation LLC	CONTINENTAL IO-550-N 310 HP @ 2700 RPM	HC-J3YF-1RF F8068*4	82"-78"	C-4582-1 C-4582-1P	2942
CESSNA ()206() Stationair	SA02821CH Hartzell Propeller	CONTINENTAL IO-550-N 310 HP @ 2700 RPM	HC-J3YF-1RF F8068*4	82"-78"	C-4582-1 C-4582-1P	3006
CESSNA TU206G, ()206() Super Skylane, Stationair,Turbo Stationair	SA02735CH Vitaoe Aviation LLC	CONTINENTAL TSIO-520-M, IO-550-F 300 HP @ 2700 RPM	HC-J3YF-1RF F8068*4	82"-78"	C-4582-1 C-4582-1P	2946
CESSNA TU206G, ()206() Super Skylane, Stationair,Turbo Stationair	SA02821CH Hartzell Propeller	CONTINENTAL TSIO-520-M, IO-550-F 300 HP @ 2700 RPM	HC-J3YF-1RF F8068*4	82"-78"	C-4582-1 C-4582-1P	3009
CESSNA P206A-P206E, U206B-U206G	SA02507AT-D ATLANTIC AERO	Continental IO-550-N 310 HP @ 2700 RPM	PHC-J3YF-1RF F8068	82"-78"	A-2295-1 A-2295-1P C-4582 C-4582-P	2950
CESSNA 206 STATIONAIR	STC Pending SOLOY, LLC	ROLLS-ROYCE/ALLISON 250-B17F/2 450 HP @ 2030 RPM	HC-B3TF-7A T10173FN-11R T10173FNK-11R	90.5	835-39EP	2454

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CESSNA 206 SERIES SUPER SKYLANE	STC-SA00512AT DAVIS AVIATION SERVICES	CONTINENTAL IO-520-A 285 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 77.0"	A-2295-1 A-2295-1P	1108
CESSNA 206 SERIES SUPER SKYLANE	STC-SA00512AT DAVIS AVIATION SERVICES	CONTINENTAL IO-520-A 285 HP @ 2700 RPM	PHC-J3YF-1RF F7691	78.0" TO 77.0"	C-4582-P	1109
CESSNA 206 SERIES SUPER SKYLANE	STC-SA00512AT DAVIS AVIATION SERVICES	CONTINENTAL IO-520-A 285 HP @ 2700 RPM	PHC-J3YF-1RF F8468A-6R	80.0" TO 78.0"	C-4582-P	1110
CESSNA 206 SERIES SUPER SKYLANE	STC-SA00512AT DAVIS AVIATION SERVICES	CONTINENTAL IO-520-A 285 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	A-2295-1P	1107
CESSNA U206B-U206G	SA10070SC Texas Skyways	Teledyne Continental IO-520-F 300 HP @ 2850 RPM	HC-C3YF-1RF F8068-2	80"	D-5732-P	3079
CESSNA 206H STATIONAIR	SA01185CH WIPAIRE, INC	LYCOMING IO-540-AC1A 300 HP @ 2700 RPM	HC-F3YR-1RF F8468A-2R	84" TO 78"	D-4578-1P	1707
CESSNA P206, P206(A-E) SUPER SKYLANE	STC-SA685AL HARTZELL PROPELLER	CONTINENTAL IO-520-A 285 HP @ 2700 RPM	PHC-J3YF-1RF F8468A-6R	80.0" TO 77.0"	C-4582 C-4582-P	1102
CESSNA T206H TURBO STATIONAIR	STC WIPAIRE, INC	LYCOMING TIO-540-AJ1A 310 HP @ 2500 RPM	HC-F3YR-1RF F8468A-2R	84" TO 78"	D-4578-1P	1708
CESSNA TU206(A-F), TP206A, T207A, TU206(A-F) SKYWAGON, SUPER SKYWAGON	SA10615SC RAM AIRCRAFT INC.	CONTINENTAL TSIO-520-R 310 HP @ 2700 RPM	PHC-C3YF-1RF F7693F+2	80-78	A-2295-1 A-2295-1P	2707
CESSNA TP206(A-E) SUPER SKYLANE	STC-SA685AL HARTZELL PROPELLER	CONTINENTAL TSIO-520-C 285 HP @ 2700 RPM	(P)HC-C3YF-1RF F8468A-6R F8468A-8R	80.0" TO 78.0"	A-2295-1P	1128
CESSNA TP206(A-E) SUPER SKYLANE	STC-SA685AL HARTZELL PROPELLER	CONTINENTAL TSIO-520-C 285 HP @ 2700 RPM	PHC-J3YF-1RF F8468A-6R	80.0" TO 78.0"	C-4582 C-4582-P	1137

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CESSNA TU206(A-F) SUPER SKYLANE	STC-SA685AL HARTZELL PROPELLER	CONTINENTAL TSIO-520-C 285 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1P	1127
CESSNA TP206(A-E), TU206(A-G) SUPER SKYLANE	STC-SA01300AT DAVIS AVIATION SERVICES	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	A-2295-1P	1112
CESSNA TP206(A-E), TU206(A-G) SUPER SKYLANE	STC-SA01300AT DAVIS AVIATION SERVICES	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	78.0" TO 77.0"	A-2295-1P	1480
CESSNA TP206(A-E), TU206(A-G) SUPER SKYLANE	STC-SA01300AT DAVIS AVIATION SERVICES	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-J3YF-1RF F7691	78.0" TO 77.0"	C-4582-P	1121
CESSNA TP206(A-E), TU206(A-G) SUPER SKYLANE	STC-SA01300AT DAVIS AVIATION SERVICES	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-J3YF-1RF F8468A-6R	80.0" TO 78.0"	C-4582-P	1481
CESSNA TP206(A-E), TU206(A-G) SUPER SKYLANE	STC-SA4111SW RAM AIRCRAFT CORP.	CONTINENTAL TSIO-520, -C, -M 310 HP @ 2700 RPM	PHC-J3YF-1RF F7663-2Q F7663D-2Q	76" NO REDUCTION ALLOWED	C-4582	395
CESSNA U206(B-G) SUPER SKYLANE	STC-SA685AL HARTZELL PROPELLER	CONTINENTAL IO-520-F 300 HP @ 2850 RPM	HC-C3YF-1RF F8468A-8R	80.0" TO 77.0"	A-2295-1 A-2295-1P	1126
CESSNA TU206(F, G), P206 THRU P206E, TP206A THRU TP206E SUPER SKYLANE	STC-SA685AL HARTZELL PROPELLER	CONTINENTAL TSIO-520-(C, M) 310 HP @ 2700 RPM	PHC-J3YF-1RF F8468A-6R F8468A-6R*1 F8468A-8R	77" MINIMUM	C-4582 C-4582-P	1136
CESSNA U206G, TU206G SUPER SKYLANE	STC SA2353NM SOLOY	ALLISON 250-C20S 418 HP @ 1800 RPM	HC-C3YN-5A FC9587D-2	95" TO 93"	D-1649	398
CESSNA 206,U206,U206A SUPER SKYLANE	SA10010SC TEXAS SKYWAYS	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-C3YF-1RF F8068-2	80"	D-5732-P	2440

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CESSNA 206, U206, U206A, P206 (A-E) SUPER SKYLANE	STC-SA685AL HARTZELL PROPELLER	CONTINENTAL IO-520-A 285 HP @ 2700 RPM	(P)HC-C3YF-1RF F8468A-6R	80.0" TO 77.0"	A-2295-1P	1899
CESSNA 206,U206,U206A,P206A,TP206A,TU206 A THRU F(TO S/N U-206-02199) SUPER SKYLANE	STC-SA685AL HARTZELL PROPELLER	CONTINENTAL IO-520-A 285 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R F8468A-8R	80.0" TO 77.0"	A-2295-1 A-2295-1P	1101
CESSNA U206A,B,C,D,E,F,G SUPER SKYLANE	STC-SA2123NM AERO MODS, INC.	LYCOMING TIO-540-J2BD 350 HP @ 2575 RPM	HC-C3YR-1RF F7854	80"	A-2295-1 A-2295-1P	1499
CESSNA U206B,U206C,U206D,U206E,U206F,U206G(up to S/N4074) SUPER SKYLANE	STC-SA685AL HARTZELL PROPELLER	CONTINENTAL IO-520-F 300 HP @ 2850 RPM	HC-C3YF-1RF F8468A-8R	78" TO 77"	A-2295-1	1565
CESSNA U206G SUPER SKYLANE	STC-SA685AL HARTZELL PROPELLER	CONTINENTAL IO-520-F 300 HP @ 2850 RPM	PHC-J3YF-1RF F8468A-6R	80.0" TO 77.0"	C-4582 C-4582-P	1135
CESSNA P206,P206A-P206E,U206B-U206G SUPER SKYLANE	SA10010SC TEXAS SKYWAYS	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-J3YF-1RF F8068-2	80"	D-5732-P	2439
CESSNA 206,U206,U206A,TP206A,TU206A THRU F (TO S/N U206-02199) SUPER SKYLANE	STC-SA685AL HARTZELL PROPELLER	CONTINENTAL IO-520-A 285 HP @ 2700 RPM	HC-C3YF-1RF F8468A-8R	78" TO 77"	A-2295-1 A-2295-1P	396
CESSNA (U,P)206, U206(A-G), P206(A-E) SUPER SKYLANE	STC-SA2830SO DAVIS AVIATION SERVICES	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 77.0"	A-2295-1P	1103
CESSNA (U,P)206, U206(A-G), P206(A-E) SUPER SKYLANE	STC-SA2830SO DAVIS AVIATION SERVICES	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	HC-C3YF-1RF F9587C-15S	82.0" TO 80.0"	A-2295-1P	1484
CESSNA (U,P)206, U206(A-G), P206(A-E) SUPER SKYLANE	STC-SA2830SO DAVIS AVIATION SERVICES	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-J3YF-1RF F8468A-6R	80.0" TO 77.0"	C-4582-P	1105

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CESSNA (U,P)206, U206(A-G), P206(A-E) SUPER SKYLANE	STC-SA2830SO DAVIS AVIATION SERVICES	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-J3YF-1RF F7691	78.0" TO 77.0"	C-4582-P	1482
CESSNA (U,P)206, U206(A-G), P206(A-E) SUPER SKYLANE	STC-SA2830SO DAVIS AVIATION SERVICES	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	A-2295-1P	1483
CESSNA 207, 207A SKYWAGON	SA696AL HARTZELL PROPELLER	CONTINENTAL IO-520-F 300 HP @ 2850 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 77.0"	A-2295-1 A-2295-1P	2619
CESSNA 207, 207A SKYWAGON, STATIONAIR 7	SA10011SC TEXAS SKYWAYS	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-C3YF-1RF F8068-2	80"	D-5732-P	2441
CESSNA 207, 207A SKYWAGON, STATIONAIR 7	STC-SA696AL HARTZELL PROPELLER	CONTINENTAL IO-520-F 300 HP @ 2850 RPM	HC-C3YF-1RF F8468A-8R	78" TO 77"	A-2295-1	400
CESSNA 207, 207A SKYWAGON	SA696AL HARTZELL PROPELLER	CONTINENTAL IO-520-F 300 HP @ 2850 RPM	HC-C3YF-1RF F8468A-8R	78" TO 77"	A-2295-1 A-2295-1P	2511
CESSNA 207, 207A SKYWAGON	STC-SA00636AT DAVIS AVIATION SERVICES	CONTINENTAL IO-520-F 285 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	A-2295-1P	1114
CESSNA 207, 207A SKYWAGON, STATIONAIR 7	STC-SA696AL HARTZELL PROPELLER	CONTINENTAL IO-520-F 300 HP @ 2850 RPM	PHC-C3YF-1RF F8468A-8R	78.0" TO 77.0"	A-2295-1P	1129
CESSNA 207, 207A SKYWAGON	STC-SA00636AT DAVIS AVIATION SERVICES	CONTINENTAL IO-520-F 285 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 77.0"	A-2295-1P	1131
CESSNA 207, 207A SKYWAGON	STC-SA00636AT DAVIS AVIATION SERVICES	CONTINENTAL IO-520-F 285 HP @ 2700 RPM	PHC-J3YF-1RF F7691	78.0" TO 77.0"	C-4582-P	1118
CESSNA 207, 207A SKYWAGON	STC-SA00636AT DAVIS AVIATION SERVICES	CONTINENTAL IO-520-F 285 HP @ 2700 RPM	PHC-J3YF-1RF F8468A-6R	80.0" TO 77.0"	C-4582-P	1139
CESSNA 207, 207A SKYWAGON, STATIONAIR 7	SA10011SC TEXAS SKYWAYS	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-C3YF-1RF F8068	82"	D-5732-P	2442

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CESSNA 207, 207A SKYWAGON, STATIONAIR 7	SA10011SC TEXAS SKYWAYS	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-J3YF-1RF F8068-2	80"	D-5732-P	2443
CESSNA 207, 207A SKYWAGON, STATIONAIR 7	SA10011SC TEXAS SKYWAYS	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-J3YF-1RF F8068	82"	D-5732-P	2444
CESSNA 207, 207A, T207, T207A SUPER SKYLANE	STC-SA3322NM SOLOY	ALLISON 250-C20S 418 HP @ 1800 RPM	HC-C3YN-5A FC9587D-2	95"	D-1649	1526
CESSNA T207A SKYWAGON	SA696AL HARTZELL PROPELLER	CONTINENTAL TSIO-520-M 310 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1 A-2295-1P	2513
CESSNA T207, T207A	STC-SA696AL HARTZELL PROPELLER	CONTINENTAL TSIO-520-G, -M 310 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 77.0"	A-2295-1P	1351
CESSNA 207, 207A, T207, T207A SKYWAGON	STC-SA00173AT DAVIS AVIATION SERVICES	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-C3YF-1RF F7691	78.0" TO 77.0"	A-2295-1P	1115
CESSNA 207, 207A, T207, T207A SKYWAGON	STC-SA00173AT DAVIS AVIATION SERVICES	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 77.0"	A-2295-1P	1130
CESSNA 207, 207A, T207, T207A SKYWAGON	STC-SA00173AT DAVIS AVIATION SERVICES	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-J3YF-1RF F8468A-6R	80.0" TO 77.0"	C-4582 C-4582-P	1138
CESSNA 207, 207A, T207, T207A SKYWAGON	STC-SA00173AT DAVIS AVIATION SERVICES	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-J3YF-1RF F7691	78.0" TO 77.0"	C-4582-P	1119
CESSNA T207, T207A	Unknown MT PROPELLER	CONTINENTAL TSIO-520 310 HP @ 2700 RPM	PHC-C3YF-1RF F7663-2Q F7663D-2Q	76.0" NO CUT OFF		1142
CESSNA 208, 208A CARAVAN	STC SA02291AK Aero Twin	GARRETT TPE-331-12JR 850 HP @ 1591 RPM	HC-B4TN-5QL LT10890N	109.5" TO 107.5"	D-3434-7 D-3434-7P	1838

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CESSNA 208, 208A, 208B CARAVAN	A37CE	PRATT & WHITNEY PT6A-114,-114A 600 HP @ 1900 RPM	HC-B3MN-3 M10083	100" NO CUT OFF	D-4897 D-4897-P	402
CESSNA 208, 208A, 208B CARAVAN	STC-SA02181AK HARTZELL PROPELLER	PRATT & WHITNEY PT6A-114,-114A 675 HP @ 1900 RPM	HC-B3TN-3AF T10890CN-2	106" TO 104"	D-4897 D-4897-P	1696
CESSNA 208, 208A, 208B CARAVAN	STC ST01472SE KENMORE AIR HARBOR	PRATT & WHITNEY PT6A-114, 114A 675 HP @ 1900 RPM	HC-B3TN-3AEY T10290N+2*1 T10290NK+2	104"	D-4897-P	1986
CESSNA 208, 208A, 208B CARAVAN	STC-SA8954SW CENTURY AVIATION,JOHN W. DOWNS INC.	PRATT & WHITNEY PT6A-114 (PT6A-114A, 208B) 675 HP @ 1900 RPM	HC-B3TN-3Z T10282N+4 T10282NK+4	106.0" NO CUT OFF	D-4897-P	1204
CESSNA 208, 208A, 208B CARAVAN	SA02092AK HARTZELL PROPELLER	PRATT & WHITNEY PT6A-114, -114A 675 HP @ 1900 RPM	HC-D4N-3R D9511F D9511F*2 D9511FK*2 D9511FK*5	96.0" TO 95.0" MIN	D-630-3P	1374
CESSNA 208, 208B Caravan	SA02357LA / SA02476LA Blackhawk Modifications Inc.	Pratt & Whitney PT6A-42A 850 HP @ 2000 RPM	HC-E4N-3P D9900	100"	D-630-3 D-630-3P	2924
CESSNA 208B Caravan	A37CE	Pratt & Whitney PT6A-140 867 HP @ 1900 RPM	HC-B3TN-3AF T10890CN-2 T10890CNB-2	106" to 104"	D-4897 D-4897-1P D-4897-P	3175
CESSNA 208B SuperVan 900	STC SA10841SC TEXAS TURBINES	GARRETT TPE-331-12JR 900 HP @ 1591 RPM	HC-B4TN-5QL LT10890NK	109.5" TO 107.5"	D-3434-7 D-3434-7P	2504
CESSNA 208B SuperVan 900	SA10841SC Texas Turbines	HONEYWELL TPE-331-12JR 900 HP @ 1591 RPM	HC-B4TN-5(N,Q)L LT10891N	109.5" to 107.5"	D-3434-7 D-3434-7P	3093

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CESSNA 210E thru 210J, T210F thru T210L Centurion	SA02735CH Vitaoe Aviation LLC	Continental TSIO-520-C, IO-520-A, IO-520-J, TSIO-520-H 285 HP @ 2700 RPM	HC-J3YF-1RF F8068*4 F8068B*2	82" - 78"	C-4582-1 C-4582-1P	2945
CESSNA 210E thru 210J, T210F thru T210L Centurion	SA02821CH Hartzell Propeller	Continental TSIO-520-C, IO-520-A, IO-520-J, TSIO-520-H 285 HP @ 2700 RPM	HC-J3YF-1RF F8068*4 F8068B*2	82" - 78"	C-4582-1 C-4582-1P	3008
CESSNA T210M, T210N, & P210N Centurion, Pressurized Centurion	SA02735CH Vitaoe Aviation LLC	CONTINENTAL TSIO-520-R, -P, -AF 310 HP @ 2700 RPM	HC-J3YF-1RF F8068*4	82"-78"	C-4582-1 C-4582-1P	2943
CESSNA T210M, T210N, & P210N Centurion, Pressurized Centurion	SA02821CH Hartzell Propeller	CONTINENTAL TSIO-520-R, -P, -AF 310 HP @ 2700 RPM	HC-J3YF-1RF F8068*4	82"-78"	C-4582-1 C-4582-1P	3007
CESSNA ()210() Centurion, Turbo Centurion	SA02735CH Vitaoe Aviation LLC	CONTINENTAL IO-550-L 300 HP @ 2700 RPM	HC-J3YF-1RF F8068*4 F8068B*2	82.0" TO 78.0"	C-4582-1 C-4582-1P D-5732 D-5732-P	2947
CESSNA ()210() Centurion, Turbo Centurion	SA02821CH Hartzell Propeller	CONTINENTAL IO-550-L 300 HP @ 2700 RPM	HC-J3YF-1RF F8068*4 F8068B*2	82.0" TO 78.0"	C-4582-1 C-4582-1P D-5732 D-5732-P	3010
CESSNA 210, A, B, C, 5, 5A CENTURION	3A21	CONTINENTAL IO-470-E, -S 260 HP @ 2625 RPM	HC-82XF-1, HCA2XF-1, HC-82XF-1A, HC-A2XF-1A 8433-2	82.3" TO 80"	835-13	2154
CESSNA 210, A, B, C, 5, 5A CENTURION	3A21	CONTINENTAL IO-470-E, -S 260 HP @ 2625 RPM	HC-82VF-1, HC-A2VF-1, HC-82VF-1A, HC-A2VF-1A V8433-2 V8433N-2	82.3" TO 80"	835-13	2156
CESSNA 210, A, B, C, 5, 5A CENTURION	3A21	CONTINENTAL IO-470-E, -S 260 HP @ 2625 RPM	HC-A2MVF-1A MV8433N-2	82.3" TO 80"	835-13	403

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CESSNA 210, A,B,C,-5,-5A CENTURION	SA02246CH-D HARTZELL PROPELLER	CONTINENTAL IO-470-E,-S 260 HP @ 2625 RPM	HC-C2YF-1BF F8468A-2*1	82	C-3568 C-3568-P	2525
CESSNA 210D CENTURION	SA09952SC TEXAS SKYWAYS	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-C3YF-1RF F8068-2	80"	D-5732-P	2431
CESSNA 210-D CENTURION	SA09952SC TEXAS SKYWAYS	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-C3YF-1RF F8068	82"	D-5732-P	2434
CESSNA 210E,F,G,H CENTURION	SA09952SC TEXAS SKYWAYS	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-J3YF-1RF F8068	82"	D-5732-P	2435
CESSNA 210E,F,G,H CENTURION	SA09952SC TEXAS SKYWAYS	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-J3YF-1RF F8068-2	80"	D-5732-P	2432
CESSNA 210F-J CENTURION	SA02319CH-D HARTZELL PROPELLER	CONTINENTAL IO-520-A, -J 285 HP @ 2700 RPM	HC-J3YF-1RF F7691+2	80-78"	C-4582 C-4582-P	2576
CESSNA 210-J,K,L,M,N,R CENTURION	SA09952SC TEXAS SKYWAYS	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-J3YF-1RF F8068	82"	D-5732-P	2436
CESSNA 210-J,K,L,M,N,R CENTURION	SA09952SC TEXAS SKYWAYS	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-J3YF-1RF F8068-2	80"	D-5732-P	2437
CESSNA 210(F,G,H,J,K,L,M,N) (T210(F,G,H,J,K,L) CENTURION	STC-SA00773AT HARTZELL PROPELLER	CONTINENTAL IO-520-(A,J,L) TSIO-520-(C,H) 300 HP @ 2850 RPM	PHC-J3YF-1RF F7691 F7691*1	78.0" TO 77.0"	C-4582-P	1174
CESSNA 210(K-N) CENTURION	STC-SA00553AT JOHN JEWELL AVIATION	CONTINENTAL IO-520-L 285 HP @ 2700 RPM	PHC-J3YF-1RF F7691	78.0" TO 77.0"	C-4582-P	1117
CESSNA 210(K-N) CENTURION	STC-SA00553AT JOHN JEWELL AVIATION	CONTINENTAL IO-520-L 285 HP @ 2700 RPM	PHC-J3YF-1RF F8468A-6R	80.0" TO 77.0"	C-4582 C-4582-P	1141

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CESSNA 210(K-N) CENTURION	SA00553AT JOHN JEWELL AIRCRAFT, INC.	CONTINENTAL IO-520-L 300 HP @ 2700 RPM	PHC-J3YF-1RF F7691	78.0" TO 77.0"	C-4582-P	1879
CESSNA 210(K-N) CENTURION	STC-SA00274AT JOHN JEWELL AIRCRAFT, INC.	CONTINENTAL IO-550-L 300 HP @ 2700 RPM	PHC-J3YF-1RF F7691	78.0" TO 77.0"	C-4582-P	1123
CESSNA P210N CENTURION	STC-SA2568NM JAVELIN CONVERSIONS	LYCOMING TIO-540-V2AD 350 HP @ 2600 RPM	HC-F4YR-1 F7663DB-6Q	73.75"	D-4511-1P	404
CESSNA P210N PRESSURIZED CENTURION	STC-SA1003NE O&N AIRCRAFT MOD. INC.	ALLISON 250-B17F 450 HP @ 2030 RPM	HC-B3TF-7A T9212K-2*1 T9212N-2 T9212NK-2*1	90.0" TO 88.0"	835-39EP	407
CESSNA T210F-L TURBO CENTURION	SA02319CH-D HARTZELL PROPELLER	CONTINENTAL TSIO-520-C, -H 285 HP @ 2700 RPM	HC-J3YF-1RF F7691+2	80-78"	C-4582 C-4582-P	2552
CESSNA T210 TURBO CENTURION	STC-SA2689SW RAM AIRCRAFT CORP.	CONTINENTAL TSIO-520-R,-C,-H,-M,-P (2600/285) 310 HP @ 2700 RPM	PHC-J3YF-1RF F7663-2Q	76" NO CUT OFF	C-4582	405
CESSNA TU206(A-F), TP206(A-E), T210(F-K) SUPER SKYWAGON, TURBO CENTURION	SA10615SC RAM AIRCRAFT CORP.	CONTINENTAL TSIO-520-R 310 HP @ 2700 RPM	PHC-J3YF-1RF F7693F+2 F7693FB+2	80-78	C-4582-1 C-4582-1P	2553
CESSNA 210(K,L,M,N); T210(K,L,M,N) CENTURION	STC-SA02029AT-D ATLANTIC AERO	CONTINENTAL IO-550-P 310 HP @ 2700 RPM	PHC-J3YF-1RF F7691	78" TO 77"	A-2295-1 A-2295-1P C-4582 C-4582-P	1760
CESSNA 210(K,L,M,N); T210(K,L,M,N) CENTURION	STC-SA3104SO AERO MOD.&	CONTINENTAL IO-550L 300 HP @ 2700 RPM	PHC-J3YF-1RF F7691	78"	C-4582-P	1264
CESSNA T210(M,N) TURBO CENTURION	STC-SA4111SW RAM AIRCRAFT CORP.	CONTINENTAL TSIO-520-M, -R 310 HP @ 2700 RPM	PHC-J3YF-1RF F7663-2Q F7663D-2Q	76"	C-4582	406

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CESSNA 305A O-1A Bird Dog	SA1201SW Stephen Noyes	LYCOMING O-540-A4B5 250 HP @ 2575 RPM	HC-C3YR-1RF F8468A-6R	80" to 76"	835-52 835-52P	2768
CESSNA 310	Experimental RILEY AIRCRAFT	LYCOMING IO-540-A1B5, -B1A5, -B1B5 260 HP @ 2575 RPM	HC-83VK-2B, HC-A3VK-2B V7636DB V7636NB	76" MIN.	C-2513-2P	2163
CESSNA 310 ()	STC-SA234CH HARTZELL PROPELLER	CONTINENTAL IO-470-U, -V, -VO 260 HP @ 2625 RPM	PHC-J3YF-2UF FC7663D-2R FC7663D-2R*1 FC7663DB-2R	76.0" TO 75.0"	C-4558-2P C-4558-3P	1144
CESSNA 310(I,P,Q,R); T310(P,Q,R)	STC-SA234CH HARTZELL PROPELLER	CONTINENTAL IO-470-U, -VO; IO-520-M(B) [TSIO-520-B(B), T310(P-R)] 260 HP @ 2625 RPM	PHC-C3YF-2UF FC7663D-2R FC7663DB-2R FC7663DB-2R*1	76.0" TO 75.0"	C-4558-2 C-4558-2P C-4558-3 C-4558-3P	1143
CESSNA 310, 310A, 310B	3A10	CONTINENTAL O-470-B, -M 240 HP @ 2600 RPM	HC-82XF-2, HC-A2XF-2 8433 8433-2 8433-4	84.2" TO 78"	835-13	2155
CESSNA 310, 310A, 310B	3A10	CONTINENTAL O-470-B, -M 240 HP @ 2600 RPM	HC-82VF-2, HC-A2VF-2 V8433 V8433-2 V8433-2R V8433-4 V8433-4R V8433N V8433N-2 V8433N-2R V8433N-4 V8433N-4R	84.2" TO 78"	835-13	2157

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CESSNA 310, 310A, 310B	3A10	CONTINENTAL O-470-B, -M 240 HP @ 2600 RPM	HC-A2MVF-2 MV8433N MV8433N-2 MV8433N-2R MV8433N-4 MV8433N-4R	84.2" TO 78"	835-13	411
CESSNA 310, 310A, 310B	STC-SA00799CH HARTZELL PROPELLER	CONTINENTAL O-470-M 240 HP @ 2600 RPM	HC-C2YF-2CUF FC8468-3 FC8468-3*1 FC8468B-3	81.0" TO 80.0"	C-2285-4 C-2285-4P	1389
CESSNA 310, 310(B,C,D,E,F)	STC-SA212SO RILEY AIRCRAFT	LYCOMING IO-540-A1A5 290 HP @ 2575 RPM	HC-A3XK-2B 7636D	76"	C-2513-2P	2372
CESSNA 310, 310(B,C,D,E,F)	STC-SA212SO RILEY AIRCRAFT	LYCOMING IO-540-A1A5 290 HP @ 2575 RPM	HC-A3VK-2B V7636DB	76"	C-2513-2P	2373
CESSNA 310, 310B, 310G	STC-SA212SO RILEY AIRCRAFT	LYCOMING IO-540-A1A5 290 HP @ 2575 RPM	HC-A3XK-2B 7636D	76.6"	C-2513-2P	2160
CESSNA 310, 310B, 310G	STC-SA212SO RILEY AIRCRAFT	LYCOMING IO-540-A1A5 290 HP @ 2575 RPM	HC-A3VK-2B V7636 V7636DB V7636N V7636NB	76.6"	C-2513-2P	2161
CESSNA 310, 310B, 310G	STC-SA212SO RILEY AIRCRAFT	LYCOMING IO-540-A1A5 290 HP @ 2575 RPM	HC-A3MVK-2B MV7636N MV7636NB	76.6"	C-2513-2P	414
CESSNA 310(C-H), E310H	3A10	CONTINENTAL IO-470-D 260 HP @ 2625 RPM	HC-A2XF-2B 8433	84.2" TO 78"	835-13	2370
CESSNA 310C, D, E, F, G, H, E310H	3A10	CONTINENTAL IO-470-D 260 HP @ 2625 RPM	HC-82XF-2B, HC-A2XF-2B 8433	84.2" TO 78"	835-13	2158

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CESSNA 310(C-H), E310H	3A10	CONTINENTAL IO-470-D 260 HP @ 2625 RPM	HC-A2VF-2B V8433	84.2" TO 78"	835-13	2371
CESSNA 310C, D, E, F, G, H, E310H	3A10	CONTINENTAL IO-470-D 260 HP @ 2625 RPM	HC-82VF-2B, HC-A2VF-2B V8433 V8433N	84.2" TO 78"	835-13	2159
CESSNA 310C, D, E, F, G, H, E310H	3A10	CONTINENTAL IO-470-D 260 HP @ 2625 RPM	HC-A2MV-F-2 MV8433N	84.2" TO 78"	835-13	412
CESSNA 310(C,D,E,F,G,H), E310H	STC-SA00799CH HARTZELL PROPELLER	CONTINENTAL IO-470-D 260 HP @ 2625 RPM	HC-C2YF-2CUF FC8468-3 FC8468-3*1 FC8468B-3	81.0" TO 80.0"	C-2285-4 C-2285-4P	1390
CESSNA 310L, 310N, 310P, 310Q	STC-SA2082WE O. S. WYATT, JR.	LYCOMING TIO-540-A2B 310 HP @ 2575 RPM	HC-E3YR-2ATF FC8468-6R	80"	D-3273	413
CESSNA T310 P, Q, R	STC SA09971SC RAM AIRCRAFT	CONTINENTAL TSIO-520-(B, E, N)(B) 325 HP @ 2700 RPM	PHC-C3YF-2UF FC7693DF FC7693DFB	78" to 76"	D-7267-2P	1942
CESSNA T310P,Q,R	STC-SA4011SW RAM AIRCRAFT CORP.	CONTINENTAL TSIO-520-NB 325 HP @ 2700 RPM	PHC-C3YF-2UF FC7663D-2Q FC7663DB-2Q*1	76"		415
CESSNA 320, 320-1 SKYKNIGHT	STC-SA285SO RILEY AIRCRAFT	LYCOMING IO-540-A1A5 290 HP @ 2575 RPM	HC-83XK-2B, HC-A3XK-2B 7636D	76.6"	C-2513-2	2166
CESSNA 320, 320-1 SKYKNIGHT	STC-SA285SO RILEY AIRCRAFT	LYCOMING IO-540-A1A5 290 HP @ 2575 RPM	HC-A3VK-2B V7636 V7636N	76.6"	C-2513-2	2314
CESSNA 320, 320-1 SKYKNIGHT	STC-SA285SO RILEY AIRCRAFT	LYCOMING IO-540-A1A5 290 HP @ 2575 RPM	HC-A3MVK-2B MV7636N	76.6"	C-2513-2	423
CESSNA 320, 320-1, 320A, 320B SKYKNIGHT	3A25	CONTINENTAL TSIO-470-B, -C 260 HP @ 2600 RPM	HC-82XF-2, HC-A2XF-2 8433-4	80.3" TO 78"		2164

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CESSNA 320, 320-1, 320A, 320B SKYKNIGHT	3A25	CONTINENTAL TSIO-470-B, -C 260 HP @ 2600 RPM	HC-82VF-2, HC-A2VF-2 V8433-4 V8433B-4 V8433N-4	80.3" TO 78"		2165
CESSNA 320, 320-1, 320A, 320B SKYKNIGHT	3A25	CONTINENTAL TSIO-470-B, -C 260 HP @ 2600 RPM	HC-A2MVF-2 MV8433N-4 MV8433N-4*1 MV8433NB-4	80.3" TO 78"		420
CESSNA 320C SKYKNIGHT	STC-SA2122WE O. S. WYATT, JR.	LYCOMING TIO-540-J, -N2BD; LTIO-540 310 HP @ 2575 RPM	HC-E3YR-2ATF FC8468-6R FC8468-8R FJC8468-6R FJC8468-8R	78", 80"	C-3567-1	421
CESSNA 320 (D, E, F)	STC SA09971SC RAM AIRCRAFT	CONTINENTAL TSIO-520-(B, E, N)(B) 325 HP @ 2700 RPM	PHC-C3YF-2UF FC7693DF FC7693DFB	78" to 76"	D-7267-2P	1943
CESSNA 320E, 320V SKYKNIGHT	STC-SA2122WE O. S. WYATT, JR.	LYCOMING TIO-540-A2B 310 HP @ 2575 RPM	HC-E3YR-2ATF FC8468-6R	80" TO 76"	D-3273	422
CESSNA P337H, T337G (front) PRESSURIZED SKYMASTER	SA00080LA SUPER SKYROCKET	CONTINENTAL TSIO-520-NB 300 HP @ 2600 RPM	PHC-G3YF-2UF FC7663DB-2R	76.0" TO 75.0"	C-4558-3P	424
CESSNA P337H, T337G (rear) PRESSURIZED SKYMASTER	SA00080LA SUPER SKYROCKET	CONTINENTAL TSIO-520-NB 300 HP @ 2600 RPM	PHC-I3YF-2AL FLC7663DF-2R	76.0" TO 75.0"	C-4558-2P	425
CESSNA 340 (left side)	STC-SA3923WE O. S. WYATT, JR.	LYCOMING TIO-540-R2AD 350 HP @ 2575 RPM	HC-E3YR-2ATF FC8468B-8R	78.0"		1267
CESSNA 340 (right side)	STC-SA3923WE O. S. WYATT, JR.	LYCOMING LTIO-540-R2AD 350 HP @ 2575 RPM	HC-E3YR-2ALTF FJC8468B-8R	78.0"		1268
CESSNA 340	STC-SA2346SW RAM AIRCRAFT CORP.	CONTINENTAL TSIO-520-NB 310 HP @ 2700 RPM	PHC-C3YF-2UF FC7663D-2Q FC7663D-2R	76"	C-4558-2P	426

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CESSNA 340(A)	SA09971SC RAM AIRCRAFT	CONTINENTAL TSIO-520-J, K(B), N(B) 335 HP @ 2700 RPM	PHC-C3YF-2UF FC7693DF FC7693DFB	78" to 76"	D-7267-2P	1724
CESSNA 340A	STC-SA4241SW RAM AIRCRAFT CORP.	CONTINENTAL TSIO-520-NB 310 HP @ 2700 RPM	PHC-C3YF-2UF FC7663D-2Q FC7663D-2R	76"	C-4558-2P	427
CESSNA 340, 340A	SA03118NY O&N	ROLLS ROYCE/ALLISON 250-B17F 400 HP @ 2030 RPM	HC-B3TF-7A T9212DNK-7	85"	835-39E 835-39EP	2884
CESSNA LC42-550FG CESSNA 350	Experimental HARTZELL PROPELLER INC.	CONTINENTAL IO-550-N 310 HP @ 2700 RPM	PHC-J3YF-1RF F7391	75	C-6446-1P	2592
CESSNA LC42-550FG CESSNA 350	Experimental HARTZELL PROPELLER INC.	CONTINENTAL IO-550-N 310 HP @ 2700 RPM	PHC-J3YF-1RF F7693DF-2*1	76	C-6446-1P	2593
CESSNA 402 BUSINESSLINER	STC-SA2424WE AMERICAN JET	ALLISON 250-B17 400 HP @ 2030 RPM	HC-B3TF-7 T10173-11 T10173N-11	89.6"	A-3640	429
CESSNA 402C	STC SA09971SC RAM AIRCRAFT	CONTINENTAL TSIO-520-VB 325 HP @ 2700 RPM	PHC-C3YF-2UF FC7693DF FC7693DFB	78" to 76"	D-7267-2P	1944
CESSNA 411	A7CE	CONTINENTAL GTSIO-520-C 340 HP @ 2400 RPM	HC-83VF-2D, HC-A3VF-2D V8833	88.6" TO 86.4"	835-20 835-29	2167
CESSNA 411	A7CE	CONTINENTAL GTSIO-520-C 340 HP @ 2400 RPM	HC-A3MVF-2D MV8833N	88.6" TO 86.4"	835-20 835-29	431
CESSNA 414	STC-SA2680SW O.S. WYATT	LYCOMING IO-720-B1BD 400 HP @ 2650 RPM	HC-F4YR-2 FC7663DB-4R FC7663DB-6Q	74.5"	D-4515	432

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CESSNA 414(A)	STC SA09971SC RAM AIRCRAFT	CONTINENTAL TSIO-520-(J, N)(B) 335 HP @ 2700 RPM	PHC-C3YF-2UF FC7693DF FC7693DFB	78	D-7267-2P	1945
CESSNA 414A	STC-SA4546SW RAM AIRCRAFT CORP.	CONTINENTAL TSIO-520-NB 325 HP @ 2700 RPM	PHC-C3YF-2UF FC7663D-2Q FC7663DB-2Q	76"	C-4558-2P	433
CESSNA 421, 421A GOLDEN EAGLE	STC-SA673CE HARTZELL PROPELLER	CONTINENTAL GTSIO-520-D 375 HP @ 2267 RPM	HC-B3WF-2 W9349N-3R	90.4" TO 88"	835-29	435
CESSNA 421B, 421C	STC-SA4293WE TURBINE CONVERSIONS, INT.	LYCOMING LTP-101-600A 600 HP @ 1920 RPM	HC-B3TN-3C T10173-13Q T10173E-13Q T10173N-13Q T10173NE-13Q	88"	C-3065-6P	437
CESSNA 421C GOLDEN EAGLE	SA1361SO RILEY	P&WC PT6A-135 475 HP @ 1900 RPM	HC-B3TN-3C T10173NB-13Q	88		1947
CESSNA 421C GOLDEN EAGLE	SA10185SC RAM	CONTINENTAL GTSIO-520-L or -N 375 HP @ 2235 RPM	HC-C3YN-2UF FC9587D-7 FC9587DB-7	90"	D-3273-3P	1825
CESSNA 425 CONQUEST I	A7CE	PRATT & WHITNEY PT6A-112 450 HP @ 1900 RPM	HC-B3TN-3C T10178B-8R T10178NB-8R	93-3/8 to 91 in.	D-3434-13P	438
CESSNA 441 CONQUEST II	A28CE	GARRETT TPE331-8-401S, -402S 750 HP @ 2000 RPM	HC-B3TN-5(E,M) T10178B-11 T10178NB-11	90.5" TO 88.5"	D-3434-11P	439
CESSNA 441 CONQUEST II	STC-SA4026NM AERO AIR	GARRETT TPE331-8-401S,-402S,-403S,-404S 750 HP @ 2000 RPM	HC-B3TN-5E T10178-13Q T10178N-13Q	88.5"	D-3434-11P	442

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CESSNA 441 CONQUEST II	STC-SA00058AT EXECUTIVE WINGS/HARTZELL	GARRETT TPE331-8-402S, -511S; TPE331-10N 750 HP @ 2000 RPM	HC-E4N-5A (Replaces Hartzell) E8501 E8501K	86.0" TO 85.0"	D-5319-P	441
CESSNA 441 CONQUEST II	STC-SA00058AT EXECUTIVE WINGS/HARTZELL	GARRETT TPE331-8-403S, -511S, TPE331-10N 635 HP @ 2000 RPM	HC-E4N-5B (Replaces McCauley) 4H2271-12 E8501 E8501K	86.0" TO 85.0"	D-5319-P	1145
CESSNA A185E AND A185F SUPER SKYLANE	SA1443NM HARTZELL PROPELLER	CONTINENTAL IO-520-D 300 HP @ 2850 RPM	HC-C3YF-1RF F8468A-6R	80.0" TO 77.0"	C-3575 C-3575-P	2514
CESSNA T210L TURBO CENTURION	SA02319CH-D HARTZELL PROPELLER	CONTINENTAL TSIO-520-C, -H 285 HP @ 2700 RPM	HC-J3YF-1RF F7691B+2	80-78"	C-4582-1 C-4582-1P	2838
CESSNA T207 SKYWAGON	SA696AL HARTZELL PROPELLER	CONTINENTAL TSIO-520-G 300 HP @ 2700 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 78.0"	A-2295-1 A-2295-1P	2512
CESSNA 206, P206(A), U206(A-G), TP206A, TU206(A-F) Super Skylane	STC SA02752CH-D HARTZELL PROPELLER	CONTINENTAL IO-520-(A, F), TSIO-520-C 285 HP @ 2700 RPM	HC-C3YF-1RF F8468A-2R*1 F8468A-4R*1 F8468AR*1	F8468AR:86"-85"/ 68A- 2R:84"to78"/ 68A- 4R:82"to78"	A-2295-1 A-2295-1P	2747
CESSNA 206, U206U206A, TU206A-TU206F s/n U206)2199, P206A, and TP206A (some) Super Skywagon, Stationair, Turbo Stationair	SA02735CH Vitaoe Aviation LLC	Continental IO-520-A, TSIO-520-C 285 HP @ 2700 RPM	HC-C3YF-1RF F7693DF+2*1	80" - 78"	A-2295-1 A-2295-1P	2900
CESSNA 206, U206U206A, TU206A-TU206F s/n U206)2199, P206A, and TP206A (some) Super Skywagon, Stationair, Turbo Stationair	SA02821CH Hartzell Propeller	Continental IO-520-A, TSIO-520-C 285 HP @ 2700 RPM	HC-C3YF-1RF F7693DF+2*1	80" - 78"	A-2295-1 A-2295-1P	2978

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CESSNA U206(B-G) SUPER SKYLANE	STC-SA685AL HARTZELL PROPELLER	CONTINENTAL IO-520-F 300 HP @ 2850 RPM	PHC-C3YF-1RF F8468A-6R	80.0" TO 77.0"	A-2295-1 A-2295-1P	2560
CESSNA U206G	Experimental JOHN JEWELL AIRCRAFT	CONTINENTAL IO-550-F 300 HP @ 2700 RPM	PHC-J3YF-1RF F8068	82"	C-4582-P D-5732-P	2520
CHAMPION see BELLANCA		HP @ RPM				443
CHRISTEN see AVIAT		HP @ RPM				444
CIRRUS DESIGN CORP. SR20, SRV CIRRUS	A00009CH	CONTINENTAL IO-360-ES 200 HP @ 2700 RPM	BHC-J2YF-1BF F7694 F7694*2	76" TO 73"	A-2295-P	1486
CIRRUS DESIGN CORP. SR20, SRV CIRRUS	A00009CH	CONTINENTAL IO-360-ES 200 HP @ 2700 RPM	PHC-J3YF-1MF F7392-1	74" TO 72"	A-2295-1P	1419
CIRRUS DESIGN CORP. SR20 SR20, SR20 G3, SR20 GTS, SRV, SRV G3	A00009CH	CONTINENTAL IO-360-ES 200 HP @ 2700 RPM	PHC-J3YF-1RF F7392-1	74" TO 72"	A-2295-1P	1752
CIRRUS DESIGN CORP. SR22 SR22, SR22 G3, SR22 GTS	A00009CH	CONTINENTAL IO(F)-550-N 310 HP @ 2700 RPM	PHC-J3YF-1RF F7693DF*2 F7693DF*3 F7693DF*4 F7693DF*5 F7693DF*6 F7693DFB F7693DFB*1 F7693DFB*2 F7693DFB*3 F7693DFB*4 F7693DFB*5	78"-76"	102870 A-2295-1 A-2295-1P	2423

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CIRRUS DESIGN CORP. SR22, SR22 G3, SR22 GTS CIRRUS	A00009CH	CONTINENTAL IO(F)-550-N 310 HP @ 2700 RPM	PHC-J3YF-1RF F7694 F7694*1 F7694*3	78" TO 76"	A-2295-1 A-2295-1P A-2295-8 A-2295-8P	1662
CIRRUS DESIGN CORP. SR22, SR22 G3, SR22 GTS CIRRUS	A00009CH	CONTINENTAL IO(F)-550-N 310 HP @ 2700 RPM	PHC-J3YF-1RF F7694B*1	78" TO 76"	A-2295-1 A-2295-1P A-2295-8 A-2295-8P	2519
CIRRUS DESIGN CORP. SR22 SR22 (G3, GTS, Turbo, Turbo GTS)	A00009CH	CONTINENTAL IO(F)-550-N 310 HP @ 2700 RPM	PHC-J3Y1F-1N N7605 N7605*1 N7605*2 N7605*3 N7605B N7605B*1 N7605B*2	78	102870 A-2295-11 A-2295-11P	2798
CIRRUS DESIGN CORP. SR22T SR22T	A00009CH	CONTINENTAL TSIO-550K 315 HP @ 2500 RPM	PHC-J3Y1F-1N N7605 N7605*1 N7605*2 N7605*3 N7605B N7605B*1 N7605B*2	78	102870 A-2295-11 A-2295-11P	2954
CIRRUS DESIGN CORP. SR22 SR22	SA10588SC ENGINE TECHNOLOGIES	CONTINENTAL IO-550-N 310 HP @ 2700 RPM	PHC-J3YF-1N N7605	78"	A-2295-11 A-2295-11P	2803
CIRRUS DESIGN CORP. SR22T SR22T	A00009CH	CONTINENTAL TSIO-550-K 315 HP @ 2500 RPM	PHC-J3Y1F-1N N7605C N7605C*1 N7605CB	78"	102870 A-2295-11 A-2295-11P	3122

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CIRRUS DESIGN CORP. SR22 SR22 (G3, GTS, Turbo, Turbo GTS)	A00009CH	CONTINENTAL IO(F)-550-N 310 HP @ 2700 RPM	PHC-J3YF-1N N7605 N7605*1 N7605B N7605B*1 N7605B*2	78"	A-2295-11 A-2295-11P	2556
CLASSIC SPORT S-18(T)	Experimental	LYCOMING (I)O-360 180 HP @ 2700 RPM	HC-C2YR-1BF F7666A-4	72"	836-60	2477
CLASSIC SPORT S-18 THORP	Experimental	LYCOMING O-320-D1A 160 HP @ 2700 RPM	HC-C2YL-1BF F7663A-4	72"		2438
CLASSIC SPORT AIRCRAFT S/T-18	Experimental	LYCOMING O-320, IO-320 160 HP @ 2700 RPM	HC-F2YL-1F F7663A-4	72" NO CUT OFF		1859
CLASSIC SPORT AIRCRAFT S/T-18	Experimental	LYCOMING (I)O-360 180 HP @ 2700 RPM	HC-F2YR-1F F7666A-4	72" NO CUT OFF		1860
CLASSIC SPORT AIRCRAFT S/T-18	Experimental	LYCOMING (I)O-360 SERIES 200 HP @ 2700 RPM	HC-F2YR-1F F7068-2	68.0" TO 67.0"		1861
CLASSIC SPORT AIRCRAFT S/T-18	Experimental	SUPERIOR XP360 180 HP @ 2700 RPM	HC-C2YR-1BF F7496-2	72"		2020
CLASSIC SPORT AIRCRAFT S/T-18	Experimental	SUPERIOR XP360 180 HP @ 2700 RPM	HC-C2YR-1BFP F7496-2	72"		2574
COLONIAL (REVO) C1 COLONIAL SKIMMER	1A13	LYCOMING O-320-A2A 150 HP @ 2700 RPM	HC-82XL-6L L8046-6	74" TO 72.5"	835-30	445
COLONIAL (REVO) C1 COLONIAL SKIMMER	1A13	LYCOMING O-320-A2A 150 HP @ 2700 RPM	HC-82VL-6L, HC-A2VL-6L	74" TO 72.5"	835-30	2168
COMMANDER 114, 114A	SA00326BO Aerodyme Corp	Lycoming IO-540-T4A5D, T4B5D, T4B5 260 HP @ 2700 RPM	HC-C3YR-1RF F7693F*2	77" or 78"	D-7709 D-7709P	3184

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COMMANDER see AERO COMMANDER		HP @ RPM				447
COMMANDER 114, 114(A,B,TC)	SA00241BO Aerodyme Corp.	LYCOMING IO-580-B1A 315 HP @ 2700 RPM	HC-M3YR-1RF F7693F	78"	D-7709 D-7709P	2635
COMMANDER 114, 114(A,B,TC)	SA00241BO Aerodyme Corp.	LYCOMING IO-580-B1A 315 HP @ 2700 RPM	HC-C3YR-1RF F7693F*2	78"	D-7709 D-7709P	2549
CONSOLIDATED see LAKE		HP @ RPM				448
CROPLEASE see NORMAN AEROPLANE		HP @ RPM				449
D.F.L HOLDINGS TANGO	Experimental	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YR-1BF F7666A	76"	C-3568-P	1197
DE HAVILLAND DH104 DOVE	STC-SA168SO RILEY TURBOSTREAM	LYCOMING IO-720-A1A 400 HP @ 2650 RPM	HC-A3VK-2A V8433-4R V8433N-4R	80.6"	C-2513-2P	2169
DE HAVILLAND DH104 DOVE	STC-SA168SO RILEY TURBOSTREAM	LYCOMING IO-720-A1A 400 HP @ 2650 RPM	HC-A3MVK-2A MV8433N-4R	80.6"	C-2513-2P	453
DE HAVILLAND DH114 HERON	STC-SA816WE CHARLES SCHACHLE	BRISTOL-SIDLEY GYPSY QUEEN 30MK-2 250 HP @ 2500 RPM	not procurable	76.6"	836-35LS	455
DE HAVILLAND DH114 HERON	STC-SA629SO RILEY TURBOSTREAM	LYCOMING IO-540-G1B5 290 HP @ 2575 RPM	HC-83XK-2A, HC-A3XK-2A 8433-7	74.6"	C-2513-2P	2170
DE HAVILLAND DH114 HERON	STC-SA629SO RILEY TURBOSTREAM	LYCOMING IO-540-G1B5 290 HP @ 2575 RPM	HC-83VK-2A, HC-A3VK-2A V8433-7 V8433N-7	74.6"	C-2513-2P	2171

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DE HAVILLAND DH114 HERON	STC-SA629SO RILEY TURBOSTREAM	LYCOMING IO-540-G1B5 290 HP @ 2575 RPM	HC-A3MVK-2A MV8433N-7	74.6"	C-2513-2P	454
DE HAVILLAND DH114 HERON (MODIFIED)	Unknown SAUNDERS (ST-27)	PRATT & WHITNEY PT6A-27 620 HP @ 2200 RPM	HC-B3TN-3DY T10178B-11*3 T10178NB-11*3	90.5"	C-3065-1P	457
DE HAVILLAND DH114 HERON (MODIFIED)	Unknown SAUNDERS (ST-27B)	PRATT & WHITNEY PT6A-34 750 HP @ 2024 RPM	HC-B4TN-3A T10173F-12.5 T10173FN-12.5	90"	C-3425	458
DE HAVILLAND CANADA DHC-2 BOSS BEAVER	SA01186CH WIPAIRE, INC	PRATT & WHITNEY PT6A-27, 28 650 HP @ 2200 RPM	HC-B3TN-3DY T10282N*1	102.0" TO 100.0"	C-3065-1P	1788
DE HAVILLAND CANADA DHC-2 MKI BEAVER	STC-SA590NW KENMORE AIR HARBOR	PRATT & WHITNEY R985 450 HP @ 2300 RPM	HC-B3R30-1 R10152-5.5 R10152N-5.5	95.5" NO CUT OFF	836-32SR	461
DE HAVILLAND CANADA DHC-2 MKI BEAVER	STC-SA398NW KENMORE AIR HARBOR	PRATT & WHITNEY R985 450 HP @ 2300 RPM	HC-B3R30-4B R10152-5.5 R10152N-5.5	95.5" NO CUT OFF	836-32SR	460
DE HAVILLAND CANADA DHC-2 MKI BEAVER	STC-SA709GL WIPAIRE INC	PRATT & WHITNEY R985 450 HP @ 2300 RPM	HC-B3R30-4, -4A, -4B R10152-5.5 R10152N-5.5	95.5" NO CUT OFF	836-32PR	462
DE HAVILLAND CANADA DHC-2 MKIII TURBO BEAVER	A806	PRATT & WHITNEY PT6A-6A,-20 550 HP @ 2200 RPM	HC-B3TN-3, -3B, -3BY T10173C+1 T10173CN+1	102.5" TO 100.0"	C-3065-1P	459
DE HAVILLAND CANADA DHC-2 MKIII BEAVER	STC SA620NE VIKING AIR LTD.	PRATT & WHITNEY PT6A-27, -15AG, -34 680 HP @ 2200 RPM	HC-B3TN-3D T10282N T10282NB*5 T10282NK	102.0" TO 100.0"		463
DE HAVILLAND CANADA DHC-2 MKIII BEAVER	STC SA620NE VIKING AIR LTD.	PRATT & WHITNEY PT6A-27, -15AG, -34 680 HP @ 2200 RPM	HC-B3TN-3DY T10282N T10282NB*5 T10282NK	102.0" TO 100.0"		1566

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DE HAVILLAND CANADA DHC-2 MKIII BEAVER	STC SA620NE, SA4326NM VIKING AIR LTD.	PRATT & WHITNEY PT6A-27, -15AG, -34 680 HP @ 2200 RPM	HC-B3TN-3BY T10173CN+1	102.5"	C-3065-1 C-3065-1P	1575
DE HAVILLAND CANADA DHC-2 MKIII TURBO BEAVER	STC-SA3684NM KENMORE AIR HARBOR	PRATT & WHITNEY PT6A-135(A) 600 HP @ 1900 RPM	HC-B3TN-3(D)(Y) T10282 T10282N	102.0" TO 100"		465
DE HAVILLAND CANADA DHC-2 MKIII BEAVER	Unknown VIKING AIR LTD.	PRATT & WHITNEY PT6A-27, -15AG, -34 680 HP @ 2200 RPM	HC-B3TN-3B T10173C+1	102.5"	C-3065-1 C-3065-1P	1146
DE HAVILLAND CANADA DHC-3 OTTER	STC SA3777NM SERV-AERO	PRATT & WHITNEY PT6A-135 750 HP @ 1900 RPM	HC-B3TN-3DY T10282 T10282N	102.0"	D-3434-12P	466
DE HAVILLAND CANADA DHC-3 OTTER	STC-SA09866SC TEXAS TURBINES	GARRETT TPE-331-10 900 HP @ 1591 RPM	HC-B4TN-5NL LT10890N*1	109.5" TO 107.5"	D-3434-7P	1698
DE HAVILLAND CANADA DHC-3 OTTER	STC-SA3777NM A.M. LUTON	PRATT & WHITNEY PT6A-135 750 HP @ 1900 RPM	HC-B3TN-3DY T10282+4*1 T10282N+4*1	106.5"	D-3434-12P	1147
DE HAVILLAND CANADA DHC-3 OTTER	Unknown SERV-AERO	PRATT & WHITNEY PT6A-135 750 HP @ 1900 RPM	HC-B3TN-3AEY T10290N+2*1	104"	D-3434-12P	1792
DE HAVILLAND CANADA DHC-4 TURBO CARIBOU	STC ST01294NY PEN TURBO	PRATT & WHITNEY PT6A-67 1281 HP @ 1700 RPM	HC-B5MA-3M M11691NK	118.7" TO 118.2"	D-5497-P	468
DE HAVILLAND CANADA DHC-6-100 TWIN OTTER	Unknown FIELD AVIATION	PRATT & WHITNEY PT6A-20 550 HP @ 2200 RPM	HC-D4N-3E D9511FK*3	96"	D-630-P	474
DE HAVILLAND CANADA DHC-6-300 TWIN OTTER	STC-SA00023NY FIELD AVIATION	PRATT & WHITNEY PT6A-27 620 HP @ 2200 RPM	HC-D4N-3E D9511F D9511FK*3	96.0"	D-630-P	471
DE HAVILLAND CANADA DHC-6-300 TWIN OTTER	STC-SA3532NM RAISBECK	PRATT & WHITNEY PT6A-27, -34 620 HP @ 2200 RPM	HC-D4N-3C D9290K	93" TO 92"	D-630-7 D-630-7P D-630-P	473

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DE HAVILLAND CANADA DHC-6-300 TWIN OTTER	STC SA100CH WIPAIRE, INC.	PRATT & WHITNEY PT6A-34 750 HP @ 2200 RPM	HC-B3TN-3D(Y) T10282 T10282*1 T10282B*1 T10282B*2 T10282N T10282N*1 T10282NB*1	102.0" TO 98.0"	C-3065-1 C-3065-1P	1272
DE HAVILLAND CANADA DHC-6-300 TWIN OTTER	STC SA743NE VIKING AIR LTD.	PRATT & WHITNEY PT6A-34 620 HP @ 2110 RPM	HC-B3TN-3DY T10282 T10282*1 T10282B*2 T10282N T10282N*1 T10282NB*1	102.0"	C-3065-1 C-3065-1P	472
DE HAVILLAND CANADA(Viking Air) DHC-6-100, -110, -200, -210 TWIN OTTER	A9EA	PRATT & WHITNEY PT6A-20 550 HP @ 2200 RPM	HC-B3TN-3BY T10173+1 T10173E+1 T10173N+1 T10173NE+1	102.5" TO 100"	C-3065-1 C-3065-1P	469
DEHAVILLAND CHIPMUNK	Unknown	CONTINENTAL IO-360-D 210 HP @ 2800 RPM	BHC-12YF-4BF FC8459A-4	80"	835-42	1931
DEHAVILLAND CANADA DHC-6-100, -200 TWIN OTTER	SA01673NY ROCKY MOUNTAIN AIRCRAFT	PRATT & WHITNEY PT6A-34 550 HP @ 2110 RPM	HC-B3TN-3D T10282N	102" TO 100"	C-3065-1 C-3065-1P	2640
DEHAVILLAND CANADA DHC-6-100, -200 TWIN OTTER	SA01673NY ROCKY MOUNTAIN AIRCRAFT	PRATT & WHITNEY PT6A-34 550 HP @ 2110 RPM	HC-B3TN-3DY T10282N	102" TO 100"	C-3065-1 C-3065-1P	2601
deHavilland Canada(Viking Air) DHC-6-1 TWIN OTTER	A9EA	PRATT & WHITNEY PT6A-20 550 HP @ 2200 RPM	HC-B3TN-3B T10173N+1 T10173NE+1	102.5" TO 100"	C-3065-1 C-3065-1P	2691

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DEHAVILLAND CANADA(VIKING AIR) DHC-6-1 TWIN OTTER	A9EA	PRATT & WHITNEY PT6A-20 550 HP @ 2200 RPM	HC-B3TN-3BY T10173+1 T10173E+1 T10173N+1 T10173NE+1	102.5" TO 100"	C-3065-1 C-3065-1P	2690
DeHavilland Canada(Viking Air) DHC-6-100, -110, -200, -210 TWIN OTTER	A9EA	PRATT & WHITNEY PT6A-20 550 HP @ 2200 RPM	HC-B3TN-3B T10173+1 T10173N+1 T10173NE+1	102.5" TO 100"	C-3065-1 C-3065-1P	1901
DeHavilland Canada(Viking Air) DHC-6-300, -310, -320 TWIN OTTER	A9EA	PRATT & WHITNEY PT6A-27 620 HP @ 2110 RPM	HC-B3TN-3D T10282B*2 T10282N	102.0" TO 100"	C-3065-1 C-3065-1P	470
DeHavilland Canada(Viking Air) DHC-6-300, -310, -320 TWIN OTTER	A9EA	PRATT & WHITNEY PT6A-27 620 HP @ 2110 RPM	HC-B3TN-3DY T10282B*2	102.0" TO 100"	C-3065-1 C-3065-1P	1930
DERRINGER AIRCRAFT CORP. D-1 WING DERRINGER	Experimental	LYCOMING IO-320-B1C, C1A 160 HP @ 2700 RPM	HC-C2YL-2CUFP FC7068-2	66" TO 64"	836-29 836-29P	2428
DIAMOND AIRCRAFT DA 40	SA01850CH HARTZELL PROPELLER	LYCOMING IO-360-M1A 180 HP @ 2700 RPM	HC-C2YR-1BF F7495S	74" TO 72" MIN	A-2295 A-2295-P	1588
DIAMOND AIRCRAFT DA40XL DiamondStar	SA02476CH-D Hartzell Propeller	LYCOMING IO-360-M1A 180 HP @ 2700 RPM	HC-C2YR-1BFP F7497*1	74" - 72"	A-2295 A-2295-P	2728
DIAMOND AIRCRAFT DA40XL DIAMONDSTAR	SA02476CH-D HARTZELL PROPELLER	LYCOMING IO-360-M1A 180 HP @ 2700 RPM	HC-C2YR-1N N7605	76	A-2295 A-2295-P	2727
DORNIER DO27Q-6	A8IN	LYCOMING GO-480-B1A6 270 HP @ 2182 RPM	HC-A2X20-1, HC-82X20-1A, HC- A2X20-1A, HC-82X20-1B	98" TO 96"	835-15	2172

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DORNIER DO27Q-6	A8IN	LYCOMING GO-480-B1A6 270 HP @ 2182 RPM	HC-A2V20-1A V10133N-3	98" TO 96"	835-15	2315
DORNIER DO27Q-6	A8IN	LYCOMING GO-480-B1A6 270 HP @ 2182 RPM	HC-A2MV20-1A MV10133N-3	98" TO 96"	835-15	477
DORNIER DO28A-1	7A13	LYCOMING O-540-A1D 250 HP @ 2575 RPM	HC-A2MVK-2 MV8433N-2	82.3" TO 82"	835-14	478
DORNIER DO28A-1	7A13	LYCOMING O-540-A1D 250 HP @ 2575 RPM	HC-82XK-2, HC-A2XK-2 8433-2	82.3" TO 82"	835-14	2173
DORNIER DO28A-1	7A13	LYCOMING O-540-A1D 250 HP @ 2575 RPM	HC-82VK-2, HC-A2VK-2 V8433-2 V8433N-2	82.3" TO 82"	835-14	2175
DORNIER DO28B-1	7A13	LYCOMING IO-540-A1A5 290 HP @ 2575 RPM	HC-83VK-2C, HC-A3VK-2C V8433-4 V8433N-4	80.6" TO 80"	C-2513	2174
DORNIER DO28B-1	7A13	LYCOMING IO-540-A1A5 290 HP @ 2575 RPM	HC-A3MVK-2C MV8433N-4	80.6" TO 80"	C-2513	479
DORNIER DO28D, DO28D-1 SKYSERVANT	A16EU	LYCOMING IGSO-540-A1E 380 HP @ 2182 RPM	HC-B3W30-2B W10151-8R W10151B-8R W10151N-8R	93.5" TO 93"	836-31SPR 836-32SPR	480
DORNIER 128-6	Unknown	PRATT & WHITNEY PT6A-110 450 HP @ 1900 RPM	HC-B3TN-3D T10282B-9.5 T10282NB-9.5	93.0"	C-3065-P	475
DORNIER DO228-100,101,200,201,202 COMMUTER	A16EU	GARRETT TPE331-5-252D 715 HP @ 1591 RPM	HC-B4TN-5ML LT10574FNS LT10574FNSB LT10574FNSB*1 LT10574FS LT10574FSB	106.0" TO 105.0"	D-3434-7	481

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DORNIER DO228-212 COMMUTER	A16EU	GARRETT TPE331-5A-252D 776 HP @ 1591 RPM	HC-B4TN-5ML LT10574FNSB LT10574FNSB*1 LT10574FSB	106.0" TO 105.0"	D-3434-7 D-3434-7P	482
DORNIER DO328-110	A45NM	PRATT & WHITNEY PW119B 2180 HP @ 1300 RPM	HD-E6C-3B E13890K E13890K(SO)	142.0"	E-5579-6	1152
DOUGLAS DC-3C	STC SA3820SW GREENWICH AIRCRAFT CORP.	PRATT & WHITNEY PT6A-65AR 1230 HP @ 1700 RPM	HC-B5MP-3C M10876ANS M10876ANSK M10876NS	111.2"	D-3434-8 D-3434-8P	484
DOUGLAS DC-3C	STC-SA4840NM BASLER TURBO CONVERSIONS	PRATT & WHITNEY PT6A-67R 1281 HP @ 1700 RPM	HC-B5MA-3 M11276K M11276NK	115.2" TO 114.7"	D-5497-P	483
DOUGLAS DC-3C	STC SA3820SW GREENWICH AIRCRAFT CORP.	PRATT & WHITNEY PT6A-67R 1230 HP @ 1700 RPM	HC-B5MA-3J M10876ANS M10876ANSK*3 M10876AS	111.0" TO 110.7"	D-5574-P	1270
DOUGLAS DC-3C	SA4840NM BASLER	PRATT & WHITNEY PT6A-67R 1281 HP @ 1700 RPM	HC-B5MA-3M M11691NS M11691NSK	118.7" TO 118.2"	D-5497-P	1834
DREAM AIRCRAFT Tundra	Experimental	Superior XP-0-360-B1BC2 180 HP @ 2700 RPM	HC-C2YR-1BF F8477-4*2	80" to 78"		2960
EL GAVILAN S.A. 358 GAVILAN	A00002NY	LYCOMING TIO-540-W2A 350 HP @ 2600 RPM	HC-C3YR-1RF F8468A-6R	80" NO CUTOFF	C-3570	1651

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EMBRAER EMB-110-P1,-P2 BANDEIRANTE	A21SO	PRATT & WHITNEY PT6A-34 750 HP @ 2200 RPM	HC-B3TN-3C, HC-B3TN-3D T10178B-8R T10178NB-8R	93.5" TO 93.0"	D-3434-12P D-3434-17P D-3434-5 D-3434-5P D-3434-6 D-3434-6P	486
EMBRAER EMB-121A1 XINGU	Unknown	PRATT & WHITNEY PT6A-135 750 HP @ 1900 RPM	HC-B4TN-3C T9212B T9212NB	93"	D-3434-18P	487
EMBRAER EMB-200A IPANEMA	Unknown	LYCOMING O-540-H1B5D 260 HP @ 2700 RPM	HC-C2YK-1BF F8477-4	80"	835-33	488
EMBRAER EMB-201A, -202 IPANEMA	Unknown	LYCOMING IO-540-K1J5D 300 HP @ 2700 RPM	HC-C3YR-1RF F8468-2R	84"	835-36 835-36P	490
EMBRAER EMB-201A, -202 IPANEMA	Unknown	LYCOMING IO-540-K1F5D, -K1J5D 300 HP @ 2700 RPM	HC-C2YR-1BF F8475R	84"	835-33	489
EMBRAER EMB-312 TUCANO	Unknown	PRATT & WHITNEY PT6A-25C 750 HP @ 2200 RPM	HC-B3TN-3C, 3D T10178-8R T10178K-8R T10178N-8R T10178N-8R*1	93.5" TO 91.0"	C-3065-11 C-3065-11P D-3434-17P	491
EMBRAER EMB-314 SUPER TUCANO	Unknown	PRATT & WHITNEY PT6A-68C 1600 HP @ 2000 RPM	HC-B5MA-2 M9128NSK	94	D-5497-3 D-5497-3P D-5497-4	1886
EMBRAER/NEIVA EMB-710C & 710 CARIOCA	EA-7503	LYCOMING O-540-B4B5 235 HP @ 2575 RPM	HC-C2YK-1()F F8468A-4	80.0" NO CUT OFF		2534
EMBRAER/NEIVA EMB-710D CARIOCA	EA-7503	LYCOMING O-540-J3A5D 235 HP @ 2400 RPM	HC-F2YR-1F F8468A-4R	80.0" TO 78.0"	C-3568 C-3568-P	2537

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EMBRAER/NEIVA EMB-711B CORISCO	EA-7502	LYCOMING IO-360-C1C6 200 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2R	74" TO 72"		2544
EMBRAER/NEIVA EMB-711C & 711 CORISCO	EA-7502	LYCOMING IO-360-C1C 200 HP @ 2700 RPM	HC-C2YK-1()(F) F7666A-2	74.0" TO 72.5"		2546
EMBRAER/NEIVA EMB-720D MINUANO	EA-7504	LYCOMING IO-540-K1G5 300 HP @ 2700 RPM	HC-C2YR-1()(F) F8475D-4	80" TO 78.5"		2583
EMBRAER/NEIVA EMB-720D MINUANO	EA-7504	LYCOMING IO-540-K1G5 300 HP @ 2700 RPM	HC-C3YR-1()(F) F7663R	78" TO 76"	835-47	2550
EMBRAER/NEIVA EMB-721C MINUANO	EA-7506	LYCOMING IO-540-K1A5D, -K1G5D (S/N 721015 & UP) 300 HP @ 2700 RPM	HC-C2YK-1BF F8475D-4	80.0" TO 78.5"		2551
ENAER (PIPER) T-35 PILLAN (PA-28R-300)	Unknown	LYCOMING IO-540-K1A5D, -K1G5D 300 HP @ 2700 RPM	HC-C3YR-4BF FC7663R	78"	D-5205 D-5205-P	494
EVANGEL-AIR 4500-300	A17CE	LYCOMING IO-540-K1B5 300 HP @ 2700 RPM	HC-C2YK-2BF FC8475A-4	80" NO CUT OFF	836-29	496
EVANGEL-AIR 4500-300 SERIES II	A17CE	LYCOMING IO-540-K1B5 300 HP @ 2700 RPM	HC-C2YK-2B FC8475A-4	80" NO CUT OFF	836-29	497
EXPERIMENTAL AIRCRAFT TECH, IN S-90 EXPRESS	Experimental	LYCOMING IO-540-D4A5 260 HP @ 2700 RPM	HC-F3YR-1RF F7663D-2Q	76" NO CUT OFF	C-3575-1P	1584
EXPRESS AIRCRAFT S-90 RG EXPRESS	Experimental	CONTINENTAL IO-550-N 310 HP @ 2700 RPM	PHC-J3YF-1RF F7691	78.0" TO 76.0"	C-3575-1P	1632
EXPRESS AIRCRAFT S-90 RG EXPRESS	Experimental	CONTINENTAL IO-550-N 310 HP @ 2700 RPM	PHC-J3YF-1RF F7693DF	78.0" TO 76.0"	A-2295-1P	1880
EXPRESS AIRCRAFT EXPRESS	Experimental	LYCOMING IO-360-C1C6 200 HP @ 2700 RPM	HC-E2YR-1BF F7666A-2	74		2448

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EXTRA 300S	Experimental	LYCOMING AEIO-540-L1B5 300 HP @ 2700 RPM	HC-C3YR-1A 7690C 7690E	78" NO CUT OFF	C-3570-P	1289
FAIRCHILD 24R46	A706	RANGER 6-440-C2 175 HP @ 2450 RPM	HC-12X20-1,-8,-8A,-8B 8428 8428C	84" TO 82.5 "		498
FAIRCHILD 24R46A	A706	RANGER 6-440-C5 200 HP @ 2450 RPM	HC-12X20-8,-8A,-8B 8428 8428C	84" TO 82.5"		499
FAIRCHILD M62A (PT-19) PT-19	A724	RANGER 6-440-C2 175 HP @ 2450 RPM	HC-12X20-1 8428-2	86" TO 84"per tc		500
FAIRCHILD AIRCRAFT SA26-AT MERLIN IIB	A5SW	GARRETT TPE331-1-151G 665 HP @ 2000 RPM	HC-B3TN-5C, -5E, -5M T10178-13R T10178B-13R*1 T10178N-13R T10178NB-13R*1	88.5" NO CUT OFF	D-3434-1P	501
FAIRCHILD AIRCRAFT SA26-T MERLIN IIA	A5SW	PRATT & WHITNEY PT6A-20 550 HP @ 2200 RPM	HC-B3TN-3B T10173E-11 T10173NE-11	90.5" TO 90.375"	C-3065-P	502
FAIRCHILD AIRCRAFT SA226-AT, SA226-TC METRO, MERLIN IV	A5SW, A8SW	GARRETT TPE331-3U-303G, -304G 940 HP @ 2000 RPM	HC-B3TN-5C, -5E, -5M T10282B	102" NO CUT OFF	D-3434-1P	507
FAIRCHILD AIRCRAFT SA226-AT, SA226-TC MERLIN IV	STC-SA344GL-D GARRETT GENERAL AVIATION SERVICE CO	GARRETT TPE331-10UA-501G, -511G 940 HP @ 2000 RPM	HC-B3TN-5M T10282NB*6	102"		505
FAIRCHILD AIRCRAFT SA226-T(B) MERLIN III	A5SW	GARRETT TPE-331-10U-502G, -512G 900 HP @ 1591 RPM	HC-B4TN-5EL, -5HL, -5KL LT10282AB+2.5 LT10282ANB+2.5	106.0" NO CUT OFF	D-3434-7P	508
FAIRCHILD AIRCRAFT SA226-T MERLIN III	A5SW	GARRETT TPE331-3U-303G, -304G 840 HP @ 2000 RPM	HC-B3TN-5C, -5E, -5M T10282DB-4R T10282DNB-4R	98.0" NO CUT OFF	D-3434-1P	506

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FAIRCHILD AIRCRAFT SA226-T(B) MERLIN III	A5SW	GARRETT TPE-331-10U-501G, -511G 900 HP @ 1591 RPM	HC-B4TN-5EL, -5HL, -5KL LT10282AB+2.5 LT10282ANB+2.5	106.0 NO CUT OFF	D-3437-7P	2547
FAIRCHILD AIRCRAFT SA226-TC METRO II	SA 01462NY HARTZELL PROPELLER	GARRETT TPE331-3, -10 940 HP @ 2000 RPM	HC-E4N-5D D9690 D9690B	97.0"	D-5319-P	1430
FAIRCHILD-HILLER (PILATUS) AU-23 PEACEMAKER	Unknown	GARRETT TPE331-1-10F 665 HP @ 2000 RPM	HC-B3TN-5M T10282 T10282N	102.0"		593
FALCO see AEROMERE		HP @ RPM				509
FLETCHER see PACIFIC AEROSPACE		HP @ RPM				513
FLUG & FAHRZEUGWERKE AG AS202/18A BRAVO	A34EU	LYCOMING AEIO-360-B1F 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74" TO 72"	835-33	510
FLUG & FAHRZEUGWERKE AG AS202/32TP BRAVO	Unknown	ALLISON 250-B17C 420 HP @ 2030 RPM	HC-B3TF-7, -7A T10173-19R T10173N-19R	82.38" TO 80.38"	835-39	1278
FOUND BROTHERS FBA-2C	A7EA	LYCOMING O-540-A1C5 250 HP @ 2575 RPM	HC-92WK-1D W8847N	88" NO CUT OFF	835-30 835-30P	2809
FOUND BROTHERS 100 CENTENNIAL	A13EA	LYCOMING IO-540-G1D5 290 HP @ 2575 RPM	HC-92WK-1D W9350-4.6	88" NO CUT OFF	837-3 837-4	514
FOUND BROTHERS FBA-2C	A7EA	LYCOMING O-540-A1C5 250 HP @ 2575 RPM	HC-92ZK-1D 8847 8847N	88" NO CUT OFF	835-30 835-30P 835-6P	515

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FOUND BROTHERS FBA-2C1 BUSH HAWK	A7EA	LYCOMING IO-540-D4A5 260 HP @ 2700 RPM	HC-C3YR-1RF F8468A-2R	84" TO 78"	A-2295-1 A-2295-1P	1439
FOUND BROTHERS FBA-2C1 BUSH HAWK	A7EA	LYCOMING IO-540-L1C5 300 HP @ 2700 RPM	HC-C3YR-1RF F8068 F8068*3 F8068+2 F8068+2*1	82"	C-3575-P	1687
FRAKES see GRUMMAN, NORD		HP @ RPM				516
FUJI 700 COMMANDER 700	A8PC	LYCOMING TIO-540-R2AD 340 HP @ 2500 RPM	HC-E3YR-2ATF FC8468-5R FC8468B-5R	81" TO 79"	D-3273-2	519
FUJI 710	A8PC	LYCOMING TIGO-541-D1B 450 HP @ 2133 RPM	HC-C3YN-2LDUF FJC9684-3R FJC9684B-3R	93" NO CUT OFF	D-3273-1L	520
FUJI T-3, LM-2 TRAINER	Unknown	LYCOMING IGSO-480-A1F6 340 HP @ 2182 RPM	HC-83V20-1F, HC-A3V20-1F V9333N-3	90.6"		2176
FUJI T-3, LM-2 TRAINER	Unknown	LYCOMING IGSO-480-A1F6 340 HP @ 2182 RPM	HC-A3MV20-1F MV9333N-3	90.6"		517
FUJI KM-2D (T-5)	Unknown	ALLISON 250-B17B 350 HP @ 2030 RPM	HC-B3TF-7A T10173N-18*1	83.5"	835-39	518
FUJI KM-2D Modified (T-7)	Unknown	ALLISON 250-B17F 450 HP @ 2030 RPM	HC-B3TF-7A T10173N-18*1	83.125"	835-39 835-39P	2818
GAF - GOVERNMENT AIRCRAFT FACTO see AEROSPACE TECHNOLOGIES		HP @ RPM				1384
GENERAL AVIA F.20 PEGASO	A38EU	CONTINENTAL IO-520-F 300 HP @ 2850 RPM	HC-C2YF-2CDF FC8475-6*1	78" NO CUT OFF	836-30	523

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GENERAL AVIA F.20 PEGASO	Unknown	CONTINENTAL IO-520-K 300 HP @ 2850 RPM	HC-C3YF-2UF FC8468A-8R	78"	C-4558-3P C-4558-P	525
GENERAL AVIA F.22-C PINGUINO	A75EU	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-4	72"	A-2298-2 A-2298-2P	526
GENERAL AVIA F.22-R SPRINT	A75EU	LYCOMING O-320-D1A 160 HP @ 2700 RPM	HC-C2YL-1BF F7663A-4	72"	A-2298-2 A-2298-2P	1153
GENERAL DYNAMICS 28-5ACF	STC-SA1853WE BIRD CORP.	LYCOMING GSO-480-B2D6 340 HP @ 2182 RPM	HC-83XF-3A			2177
GENERAL DYNAMICS 28-5ACF	STC-SA1853WE BIRD CORP.	LYCOMING GSO-480-B2D6 340 HP @ 2182 RPM	HC-83XF-3A			527
GIPPSLAND GA8	VA503 (Australia)	Lycoming IO-540-K1A5 300 HP @ 2700 RPM	HC-C3YR-1RF F8068*1	82" - 78"	C-3575 C-3575-P	2964
GIPPSLAND GA8-TC 320	VA503 (Australia)	LYCOMING TIO-540-AH1A 300 HP @ 2500 RPM	HC-C3YR-1RF F8068*1	82	C-3575 C-3575-P	2754
GIPPSLAND AERONAUTICS GA-10	Experimental	Rolls Royce 250-B17F/2 450 HP @ 2030 RPM	HC-D3F-7H D9511F-11	84 to 82 inches	104781 104781P	3245
GIPPSLAND AERONAUTICS GA8	A00011LA	LYCOMING IO-540-K1A5 300 HP @ 2700 RPM	HC-C2YR-1BF F8475R	84	A-2298-2P	2497
GIPPSLAND AERONAUTICS GA-8	Unknown	LYCOMING IO-540-K series 300 HP @ 2700 RPM	HC-C3YR-1RF F8468A-2R	84	C-3575-P	1207
GIPPSLAND AERONAUTICS GA-200C	A00001LA	LYCOMING IO-540-K1A5 300 HP @ 2700 RPM	HC-C2YR-1BF F8475R	84	A-2298-2P	1206

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GLASAIR AVIATION SPORTSMAN 2+2	Experimental	LYCOMING IO-390-X 210 HP @ 2700 RPM	HC-C2YR-1BFP F7497 F7497*5 F7499	74" TO 72"		2631
GLASAIR AVIATION Super 2SGR	Experimental	Textron Lycoming (I)O-360 Series 180 HP @ 2700 RPM	HC-C2YR-1N N7605-4	72"		3090
GLASAIR AVIATION SUPER 2SRG GLASAIR	Experimental	LYCOMING IO-360-B1(), E1A, F1A 180 HP @ 2700 RPM	HC-C2YR-1BFP F7497 F7497-2 F7499 F7499-2	74" TO 72"		2737
GLASAIR AVIATION GS-1 GLASTAR	Experimental	LYCOMING 320 SERIES 160 HP @ 2700 RPM	HC-C2YL-1BF F7663-4	72" TO 70"		2589
GLASSAIR see STODDARD HAMILTON		HP @ RPM				1175
GLASSAIR AVIATION Sportsman 2+2	Experimental	LYCOMING IO-390 210 HP @ 2700 RPM	HC-C2YR-1N N7605	76"		3030
GLOBE GC-1A	SA2859WE	LYCOMING 0320-A3B 150 HP @ 2700 RPM	HC-C2YL-1BF F7663A-4	72"	835-33	2461
GOODYEAR (LOCKHEED MARTIN TACT GZ19, 19A GOODYEAR BLIMP	TC1	CONTINENTAL GO-300-F 154 HP @ 2400 RPM	not procurable	93.2"		533
GOODYEAR (LOCKHEED MARTIN TACT GZ19, 19A GOODYEAR BLIMP	TC1	CONTINENTAL GO-300-F 154 HP @ 2400 RPM	HC-82XF-3L	93.2"		2178
GOODYEAR (LOCKHEED MARTIN TACT GA22A GOODYEAR BLIMP	1A12	CONTINENTAL E-225-8 225 HP @ 2600 RPM	not procurable	88" TO 86.5 "		535
GOODYEAR (LOCKHEED MARTIN TACT GZ22 GOODYEAR BLIMP	AS1GL	ALLISON 250-B17C 450 HP @ 2030 RPM	HC-D3F-7 D7023	70.0" NO CUT OFF	D-5253	536

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GOODYEAR (LOCKHEED MARTIN) GZ20, GZ20A Airship	TC1	CONTINENTAL IO-360-D 210 HP @ 2800 RPM	BHC-92WF-3LG LW8447A-6R LW8447A-8Q LW8447AN-6R LW8447AN-8Q	77.6" (7R), 75.6" (8Q)		534
GREAT LAKES 2T-1A-1, 2T-1A-2	A18EA	LYCOMING IO-360-B1F6, AEIO-360-B1G6 180 HP @ 2700 RPM	HC-C2YK-4F FC7666A-2	74.0" NO CUT OFF	835-41 835-41P	1281
GREAT LAKES 2T-1A-2	Experimental	ALLISON 250-B15 317 HP @ 2025 RPM	HC-B3TF-7A T10173-6 T10173N-6	94.6"		538
GREAT LAKES 2T-1A-2	Experimental	ALLISON 250-B17C 420 HP @ 2030 RPM	HC-A3VF-7	89.6"	835-39P	2179
GREAT LAKES 2T-1A-2	Experimental	ALLISON 250-B17C 420 HP @ 2030 RPM	HC-A3MVF-7 MV10133AN-11	89.6"	835-39P	539
GRIFFON AEROSPACE LIONHEART	Experimental	PRATT & WHITNEY R985 450 HP @ 2300 RPM	HC-B3R30-4 R10152-5.5 R10152N-5.5	95.5" NO CUT OFF	836-32PR	1643
GROB G-115-C2	A57EU	LYCOMING O-360-A1F6 180 HP @ 2700 RPM	HC-F2YR-1F F7666A-3R	73"	835-23P	1282
GROB G115T	Unknown	LYCOMING AEIO-540-D4A5 260 HP @ 2700 RPM	HC-C2YR-4CF FC8477A-4*1	80"	A-2297 A-2297-P	1280
GROB G115TA / G120A	A57EU/A49CE	LYCOMING AEIO-540-D4A5 260 HP @ 2700 RPM	HC-C3YR-4BF FC7663R	78"	D-5205 D-5205-P	1155
GROB G120A	A49CE	LYCOMING AEIO-540-D4D5 260 HP @ 2700 RPM	HC-C3YR-1RF F7663R	78"	C-3570 C-3570-P	1849

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GROB/E-SYSTEMS G520 EGRETT	A63EU	GARRETT TPE331-14F-801L 750 HP @ 1540 RPM	HC-E4P-5 E11990K	120" NO CUT OFF	D-5362	540
GROB/E-SYSTEMS G520 EGRETT	A63EU	GARRETT TPE331-14F-801L 750 HP @ 1540 RPM	HC-E4P-5E E11990K	120" NO CUT OFF	D-5362	1446
GRUMMAN S-2 TRACKER	SA4837NM MARSH AVIATION	GARRETT TPE331-14A-801Z 1250 HP @ 1540 RPM	HC-B5MP-5 M11276NS M11276NSK	115.2" TO 114.7"	D-1689	542
GRUMMAN S-2 TURBO FIRECAT	Experimental CONAIR	PRATT & WHITNEY PT6A-67AF 1424 HP @ 1700 RPM	HC-B5MA-3B M11296NS M11296S	115.2" TO 114.7"	D-5574-P	541
GRUMMAN S-2F3AT TRACKER	T00009LA MARSH AVIATION	GARRETT TPE331-14GR 1650 HP @ 1552 RPM	HC-B5MA-5H M11692NS M11692NSK	118.7"	E-5760-P	1508
GRUMMAN S-2E TRACKER	Experimental MARSH AVIATION	GARRETT TPE331-15AW 1645 HP @ 1390 RPM	HC-E5B-5 E12902K		D-5597-1	1283
GRUMMAN G44 WIDGEON	FIELD APPROVAL	CONTINENTAL IO-520-E 285 HP @ 2700 RPM	PHC-C3YF-2UF FC8468A-6R	80.0 TO 78.0		2668
GRUMMAN G44, G44A WIDGEON	STC-SA4-64 A.C.E. AVIATION	LYCOMING GO-435-C2B HP @ RPM	HC-A2X20-2			2381
GRUMMAN G44, G44A WIDGEON	STC-SA4-64 A.C.E. AVIATION	LYCOMING GO-435-C2B HP @ RPM	HC-A2V20-2 V9333N-3			2383
GRUMMAN G44, G44A WIDGEON	STC-SA4-64 VIKING AIR LTD.	LYCOMING GO-435-C2B 260 HP @ 3400 RPM	HC-83X20-2A 8433	84"	835-10S	2380
GRUMMAN G44, G44A WIDGEON	STC-SA4-64 A.C.E. AVIATION	LYCOMING GO-435-C2B HP @ RPM	HC-A3X20-2 8433			2382

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GRUMMAN G44, G44A WIDGEON	STC-SA4-64 A.C.E. AVIATION	LYCOMING GO-435-C2B HP @ RPM	HC-A3V20-2 V8433 V8433N			2384
GRUMMAN G44, G44A WIDGEON	STC-SA4-65, -64 VIKING AIR LTD.	LYCOMING GO-480-B1 270 HP @ 3400 RPM	HC-A3X20-2, HC-83X20-2A 8433	84" NO CUT OFF	835-10S	2385
GRUMMAN G44-G44A WIDGEON	STC-SA4-65, -64 VIKING AIR LTD.	LYCOMING GO-480-B1 270 HP @ 3400 RPM	HC-A3V20-2 V8433 V8433N	84" NO CUT OFF	835-10S	2386
GRUMMAN G44, G44A WIDGEON	STC-SA4-111 VIKING AIR LTD.	LYCOMING GO-480-C1D6 295 HP @ 3400 RPM	HC-A3X20-2, HC-83X20-2A 8433	84"	835-10S	2378
GRUMMAN G44, G44A WIDGEON	STC-SA4-111 VIKING AIR LTD.	LYCOMING GO-480-C1D6 295 HP @ 3400 RPM	HC-A3V20-2 V8433 V8433N	84"	835-10S	2379
GRUMMAN G44, G44A WIDGEON	STC-SA835SO AEROMAR INC.	LYCOMING GO-480-G2D6 295 HP @ 3400 RPM	HC-A3VF-5R V9333C-3 V9333N-3	90"	C-3043-7	2387
GRUMMAN G44, G44A WIDGEON	STC-SA2-13 JR McDERMOTT CO.	CONTINENTAL IO-470-D 260 HP @ 2625 RPM	HC-A2XF-2B 8433	84"	835-13	2374
GRUMMAN G44, G44A WIDGEON	STC-SA2-13 JR McDERMOTT CO.	CONTINENTAL O-470-B 240 HP @ 2600 RPM	HC-A2XF-2, HC-82XF-2C 8433	84"	835-13	2375
GRUMMAN G44, G44A WIDGEON	STC-SA2-13 JR McDERMOTT CO.	CONTINENTAL IO-470-D 260 HP @ 2625 RPM	HC-A2VF-2B V8433 V8433N	84"	835-13	2376
GRUMMAN G44, G44A WIDGEON	Unknown G.J. NEWELL	CONTINENTAL IO-520-E 300 HP @ 2850 RPM	PHC-A3VF-2B V7636 V7636N	76" TO 74"		2389
GRUMMAN (AERO PLANES LLC) G21C, D GOOSE	4A24	LYCOMING GSO-480-B2D6 340 HP @ 2182 RPM	not procurable	93.2" TO 91"	836-25P 836-26P	566

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GRUMMAN (GULFSTREAM AERO.) G44 WIDGEON	Experimental WILLIAM GRENIER	CONTINENTAL IO-520-E 285 HP @ 2700 RPM	HC-C3YF-2UF FC8468-6R*1	80.0" TO 78.0"	C-4558-2P	561
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	RANGER 6-440-C5 200 HP @ 2450 RPM	HC-12X20-8C, HC-D2X20-8 8428	84.5" TO 82.5"		2188
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	RANGER 6-440-C5 200 HP @ 2450 RPM	HC-12X20-8C, -D2X20-8 8428	84.5" TO 82.5"		550
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	RANGER 6-440-C5 200 HP @ 2450 RPM	HC-12X20-2, HC-D2X20-3, HC-12X20-3 8428	84" TO 82.5"		2189
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	RANGER 6-440-C5 200 HP @ 2450 RPM	HC-12X20-2,-3; -D2X20-3 8428	84" TO 82.5"		551
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	LYCOMING GO-435-C2, -C2B 240 HP @ 2182 RPM	not procurable	93"		545
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	LYCOMING GO-435-C2B 260 HP @ 2182 RPM	HC-82X20-2, HC-A2X20-2 9333C-3	90"	835-1S	2182
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	LYCOMING GO-435-C2, -C2B 240 HP @ 2182 RPM	HC-82X20-2, HC-A2X20-2 9333C-3	90"	835-1S	2180
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	LYCOMING GO-435-C2B 260 HP @ 2182 RPM	HC-82V20-2, HC-A2V20-2 V9333C-3 V9333N-3	90"	835-1S	2183
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	LYCOMING GO-435-C2, -C2B 240 HP @ 2182 RPM	HC-82V20-2, HC-A2V20-2 V9333C-3 V9333N-3	90"	835-1S	2181
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	LYCOMING GO-435-C2B 260 HP @ 2182 RPM	HC-A2MV20-2 MV9333N-3	90"	835-1S	547
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	LYCOMING GO-435-C2, -C2B 240 HP @ 2182 RPM	HC-A2MV20-2 MV9333N-3	90"	835-1S	546

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GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	LYCOMING GO-435-C2B 260 HP @ 2182 RPM	HC-83X20-2, HC-A3X20-2, HC-83X20-2A 8433	84.6" TO 84"	835-10S	2184
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	LYCOMING GO-435-C2B 260 HP @ 2182 RPM	HC-83V20-2, HC-A3V20-2, HC-83V20-2A V8433 V8433N	84.6" TO 84"	835-10S	2185
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	LYCOMING GO-435-C2B 260 HP @ 2182 RPM	HC-A3MV20-2 MV8433N	84.6" TO 84"	835-10S	548
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	LYCOMING GO-480-B1, -B1D 270 HP @ 2182 RPM	HC-83X20-2, HC-A3X20-2, HC-83X20-2A 8433	84.6" TO 84"	835-10S	2186
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	LYCOMING GO-480-B1, -B1D 270 HP @ 2182 RPM	HC-83V20-2, HC-A3V20-2 V8433 V8433N	84.6" TO 84"	835-10S	2187
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	A734	LYCOMING GO-480-B1, -B1D 270 HP @ 2182 RPM	HC-A3MV20-2 MV8433N	84.6" TO 84"	835-10S	549
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	STC-SA4-64 VIKING AIR LTD.	LYCOMING GO-435-C2B 260 HP @ 2182 RPM	HC-A2MV20-2 MV9333N-3	90.6"		557
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	STC-SA4-65,-64 VIKING AIR LTD.	LYCOMING GO-480-B1 270 HP @ 2182 RPM	HC-83X20-2A 8433	84.6" NO CUT OFF	835-10S	2193
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	STC-SA4-64 VIKING AIR LTD.	LYCOMING GO-435-C2B 260 HP @ 2182 RPM	HC-83X20-2A 8433	84.6"	835-10S	2192
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	STC-SA4-64 VIKING AIR LTD.	LYCOMING GO-435-C2B 260 HP @ 2182 RPM	HC-A3MV20-2 MV8433N	84.6"	835-10S	558
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	STC-SA4-65,-64 VIKING AIR LTD.	LYCOMING GO-480-B1 270 HP @ 2182 RPM	HC-A3MV20-2 MV8433N	84.6" NO CUT OFF	835-10S	559

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GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	STC-SA4-111 VIKING AIR LTD.	LYCOMING GO-480-C1D6 295 HP @ 2182 RPM	HC-83X20-2A 8433	84.6"	835-10S	2191
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	STC-SA4-111 VIKING AIR LTD.	LYCOMING GO-480-C1D6 295 HP @ 2182 RPM	HC-A3MV20-2 MV8433N	84.6"	835-10S	556
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	STC-SA835SO AEROMAR INC.	LYCOMING GO-480-G2D6 295 HP @ 2182 RPM	HC-A3VF-5R V9333C-3	90.6"	C-3043-7	2190
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	STC-SA835SO AEROMAR INC.	LYCOMING GO-480-G2D6 295 HP @ 2182 RPM	HC-A3MVF-5R MV9333N-3	90.6"	C-3043-7	554
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	STC-SA2-13 JR McDERMOTT CO.	CONTINENTAL O-470-B 240 HP @ 2600 RPM	HC-82XF-2C 8433	84.2"	835-13	2195
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	STC-SA2-13 JR McDERMOTT CO.	CONTINENTAL O-470-B 240 HP @ 2600 RPM	HC-A2MVF-2 MV8433N	84.2"	835-13	564
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	STC-SA2-13 JR McDERMOTT CO.	CONTINENTAL IO-470-D 260 HP @ 2625 RPM	HC-A2MVF-2B MV8433N	84.2"	835-13	563
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	STC-SA4-2 GANDER AIRCRAFT	LYCOMING R680-E 300 HP @ 2300 RPM	HC-93Z20-2D1 9349-5 9349N-5	88"		555
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	STC-SA4-2 GANDER AIRCRAFT	LYCOMING R680-E 300 HP @ 2300 RPM	HC-93Z20-2D1 9349-9 9349N-9	84"		1567
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	STC-SA4774NM ACE AVIATION INC.	LYCOMING TIO-540-J2BD, LTIO-540- J2BD 300 HP @ 2575 RPM	HC-C3YR-2UF, -2LUF FC9587A-10 FJC9587A-10	87"		562
GRUMMAN (GULFSTREAM AERO.) G44, G44A, SCAN 30 (left side) WIDGEON	SA4774NM A.C.E.AVIATION, INC.	LYCOMING LTIO-540-J2BD 300 HP @ 2575 RPM	HC-C3YR-2LUF FJC9587A-10	87"		1285

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GRUMMAN (GULFSTREAM AERO.) G44, G44A, SCAN 30 (right side) WIDGEON	SA4774NM A.C.E.AVIATION, INC.	LYCOMING TIO-540-J2BD (RIGHT SIDE) 300 HP @ 2575 RPM	HC-C3YR-2UF FC9587A-10	87"		1286
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	Experimental G.J.NEWELL	CONTINENTAL IO-520-E 300 HP @ 2850 RPM	PHC-A3VF-2B V7636N	76.625" TO 74.625"		2194
GRUMMAN (GULFSTREAM AERO.) G44, G44A WIDGEON	Experimental G.J.NEWELL	CONTINENTAL IO-520-E 300 HP @ 2850 RPM	PHC-A3MVF-2B MV7636N	76.625" TO 74.625"		560
GRUMMAN (GULFSTREAM AERO.) G73 MALLARD	STC SA2323WE FRAKES	PRATT & WHITNEY PT6A-27 620 HP @ 2200 RPM	HC-B3TN-3DY T10178NB-5	96.5"	C-3065-1P	544
GRUMMAN (GULFSTREAM AERO.) G-73 MALLARD	226-I (CASAA) AERO ENGINEERS, AUSTRALIA	PRATT & WHITNEY PT6A-34 680 HP @ 2200 RPM	HC-D4N-3T D9511FK-2	94"	D-5319-P	1391
GRUMMAN (MCKINNON) G21A GOOSE	STC-SA1-52 HARTZELL PROPELLER	PRATT & WHITNEY R985 (with 4.5 & 6 order dampers) 450 HP @ 2300 RPM	HC-B3(P,R,W,Z)30-2EA 10152-5.5 10152N-5.5 R10152N-5.5	95.5" NO CUT OFF	836-17SPR 836-32SPR	568
GRUMMAN (MCKINNON) G21C, D GOOSE	4A24	LYCOMING GSO-480-B2D6 340 HP @ 2182 RPM	HC-83XF-3A	93.2" TO 91"	836-25P 836-26P	2196
GRUMMAN (MCKINNON) G21C, D GOOSE	4A24	LYCOMING GSO-480-B2D6 340 HP @ 2182 RPM	HC-83VF-3A	93.2" TO 91"	836-25P 836-26P	2197
GRUMMAN (MCKINNON) G21E, G GOOSE	4A24	PRATT & WHITNEY PT6A-20, -27 680 HP @ 2200 RPM	HC-B3TN-3DY T10178B-5 T10178NB-5	96.5" TO 96"	C-3065-P	567
GRUMMAN (MCKINNON) G21G GOOSE	STC SA2809WE MCKINNON ENTERPRISES	GARRETT TPE331-2UA 715 HP @ 2000 RPM	HC-B3TN-5E T10282NSB-6R T10282SB-6R	94.0" MIN	C-3043-3	569
GRUMMAN G-164 see SCHWEIZER		HP @ RPM				570

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HAFEI AVIATION INDUSTRY CO. Y11-B	Unknown	CONTINENTAL TSIO-550-A1B 350 HP @ 2700 RPM	PHC-C3YF-2KUF FC8468K-6R	80"	C-4558-3	576
HAFEI AVIATION INDUSTRY CO. Y11-B1	Unknown	CONTINENTAL TSIO-550-A1B 350 HP @ 2700 RPM	PHC-C3YF-2KUF FC8468K-6R	80"	C-4558-3	575
HAFEI AVIATION INDUSTRY CO. Y12 IV	A00006WI	PRATT & WHITNEY PT6A-27 620 HP @ 2120 RPM	HC-B3TN-3B T10173-3 T10173B-3 T10173N-3	97" Minimum	C-3065-1 C-3065-1P	1157
HAFEI AVIATION INDUSTRY CO. Y12E	A00006WI	PRATT & WHITNEY PT6A-135A 620 HP @ 1900 RPM	HC-D4N-3N D9511FK	96" TO 95"	D-630-P	1795
HANDLEY PAGE see BAE JETSTREAM		HP @ RPM				133
HARMON HARMON ROCKET	Experimental	LYCOMING IO-540-C4B5 250 HP @ 2575 RPM	HC-M2YR-1BF F8475J-4	80"-78"	C-3533 C-3533-P	1506
HARMON HARMON ROCKET	Experimental	LYCOMING IO-540-C4B5 250 HP @ 2575 RPM	HC-M2YR-1BF F8475D-2 F8475D-4 F8475D-4*1	82" TO 80"	C-3533 C-3533-P	1070
HAWKER BEECHCRAFT 36, A36, F33A, V35, V35A, V35B Bonanza	SA8676SW Western Skyways	Continental Motors IO-520-B,-BA,-BB 285 HP @ 2700 RPM	PHC-C3YF-1RF F8068	82" to 78"	A-2295-1 A-2295-1P	3188
HAWKER BEECHCRAFT 95-55, 95-(A)(B)55, 95-B55A, 95-B55B Baron	STC-SA02561CH-D Hartzell Propeller	Teledyne Continental IO-470-L 260 HP @ 2625 RPM	PHC-C3YF-2UF FC7391DB*1	75" to 73.5"	C-3567-9 C-3567-9P	3056
HAWKER BEECHCRAFT E55 BARON	STC-SA02561CH-D HARTZELL PROPELLER	TELEDYNE CONTINENTAL IO-520-C, - CB 285 HP @ 2700 RPM	PHC-J3YF-2UF FC7391D	75"- 73.5"	C-3567-4P	3058

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HAWKER BEECHCRAFT YT-34, T-34A, T34B MENTOR	SA03069CH Aircraft Products Systems	Continental IO-520-B, -BA, -BB 285 HP @ 2700 RPM	HC-C3YF-1RF F8468A-6R	80"-78"	A-2295-1 A-2295-1P	3157
HAWKER BEECHCRAFT 95-C55, 95-D55, E55 BARON	STC-SA02561CH-D Hartzell Propeller Inc.	Teledyne Continental IO-520-C, -CB 285 HP @ 2700 RPM	PHC-C3YF-2UF FC7391D FC7391DB*1	75" to 73.5"	C-3567-1 C-3567-1P C-3567-9 C-3567-9P	3057
HAWKER BEECHCRAFT 95-C55, D55, E55 Baron	SA3845SW D'Shannon	Continental Motors IO-520-C, -CB 285 HP @ 2700 RPM	PHC-C3YF-2UF FC7391D	75" to 73.5"	C-3567-1 C-3567-1P	3113
HAWKER BEECHCRAFT 200, B200 Raisbeck King Air	SA2698NM-S Raisbeck	Pratt & Whitney PT6A-41,42 850 HP @ 2000 RPM	HC-D4N-3A D9515K D9515K*1 D9515K*2	96"	D-630-7P	3203
HELIO H-391 COURIER	1A8	LYCOMING GO-435-C2 260 HP @ 2182 RPM	HC-12X20-8, HC-D2X20-8, HC-12X20-8C 9333C	93" TO 91"	D-164	2198
HELIO H-391 COURIER	1A8	LYCOMING GO-435-C2 260 HP @ 2182 RPM	HC-12V20-8, HC-D2V20-8 V9333C V9333N	93" TO 91"	D-164	2199
HELIO H-391 COURIER	1A8	LYCOMING GO-435-C2 260 HP @ 2182 RPM	HC-D2MV20-8 MV9333N	93" TO 91"	D-164	582
HELIO H-391B COURIER	1A8	LYCOMING GO-435-C2B, -C2B2, -C2B2-6 260 HP @ 2182 RPM	HC-82X20-1A, HC-A2X20-1A, HC-82X20-1B	101" TO 95"	835-15	2200
HELIO H-391B COURIER	1A8	LYCOMING GO-435-C2B, -C2B2, -C2B2-6 260 HP @ 2182 RPM	HC-A2MV20-1A MV10133N	101" TO 95"	835-15	583

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HELIO H-395 (L-28A, U-10B) COURIER	1A8	LYCOMING GO-480-G1D6 295 HP @ 2182 RPM	HC-93Z20-1, -1B1 10151C 10151C-5 10151CN 10151CN-5	101" TO 95"	836-15R	584
HELIO H-395A COURIER	1A8	LYCOMING GO-435-C2B2-6 260 HP @ 2182 RPM	HC-82X20-1A, HC-A2X20-1A, HC-A2X20-1B	101" TO 95"	835-15	2201
HELIO H-395A COURIER	1A8	LYCOMING GO-435-C2B2-6 260 HP @ 2182 RPM	HC-A2MV20-1A MV10133N	101" TO 95"	835-15	585
HELIO HST-550 STALLION	A4EA	PRATT & WHITNEY PT6A-6A 550 HP @ 2200 RPM	HC-B3TN-3C T10173C T10173CN	101.5" TO 98.8"	C-3065-P	590
HELIO HST-550A (AU-24A) STALLION	A4EA	PRATT & WHITNEY PT6A-27 680 HP @ 2200 RPM	HC-B3TN-3D T10178C T10178CN	101.5" TO 98.8"	C-3065-P	591
HELIO H-250 COURIER	1A8	LYCOMING O-540-A1A5 250 HP @ 2575 RPM	HC-92WK-1D W8847 W8847N	88" TO 86"	C-2513-3	579
HELIO H-295, HT-295 (U-10D) COURIER	1A8	LYCOMING GO-480-G1D6,G1A6 295 HP @ 2182 RPM	HC-B3Z20-1 10151C-5 10151CN-5	96.0" TO 95.0"	836-15R	581
HELIO H-500 TWIN COURIER	A2EA	LYCOMING O-540-A2B 250 HP @ 2575 RPM	HC-92ZK-2B 8447 8447N	84" TO 82"	835-30	586
HELIO H-700 COURIER	1A8	LYCOMING TIO-540-J2B 350 HP @ 2575 RPM	HC-E3YR-1RF F9587A-10	87"	A-2295-1 C-3535-1	587
HELIO H-800 COURIER	1A8	LYCOMING IO-720-A1B 400 HP @ 2650 RPM	HC-C3YR-1RF F8475R	86"	A-2295-1 A-2295-1P	589

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HINDUSTAN HPT 32 TRAINER	Unknown	LYCOMING AEIO-540-D4B5 260 HP @ 2700 RPM	HC-C2YR-4CF FC8477-4R	80"	836-60 836-60P	594
HOMEBUILT BARACUDA	Experimental	LYCOMING IO-540-T4B5D 260 HP @ 2700 RPM	HC-E3YR-1RF F7663-2Q	76"		598
ICA (ROMANIA) IAR-823	Unknown	LYCOMING IO-540-G1D5 290 HP @ 2575 RPM	HC-92WK-1D W9350C-4.6	88	835-30 835-30P	2740
ILYUSHIN IL-103	A45CE	CONTINENTAL IO-360-ES 210 HP @ 2800 RPM	BHC-C2YF-1BF F8459A-8R F8459A-8R*1	76.0" TO 75.0"	C-3568-P	1291
INTERCEPTOR see PROP JETS INC.		HP @ RPM				601
INTERSTATE AIRCRAFT S-1B2 ARCTIC TERN	A-754	LYCOMING O-320-B3B 160 HP @ 2700 RPM	HC-C2YL-1BF F8468A-4R	80" TO 74"	A-4203-P	1759
ISRAEL AIRCRAFT INDUSTRIES 101, 101B ARAVA	A32EU	PRATT & WHITNEY PT6A-27, -36 750 HP @ 2200 RPM	HC-B3TN-3D T10282NR T10282NRB T10282R	102.0"	C-3065-1 C-3065-1P	602
JOBMASTER DGA-15P	STC-SA3-716 MAXWELL AIRCRAFT	PRATT & WHITNEY R985-AN-6 450 HP @ 2300 RPM	HC-B3Z30-2E 10152-5.5 10152N-5.5	96"	836-32SPR	603
KING'S ENGINEERING FELLOWSHIP 44 ANGEL	A2WI	LYCOMING IO-540-M1A5, -M1C5 300 HP @ 2700 RPM	HC-E3YR-2ALTF FLC7468 FLC7468*1	76.0" TO 75.0"		605
KOREA AEROSPACE INDUSTRIES LTD KT-1C WOONGBEE	Unknown	PRATT & WHITNEY PT6A-62 950 HP @ 2000 RPM	HC-E4N-2C E9512CB-1	95"	D-630-1 D-630-1P	2022

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KOREA AEROSPACE INDUSTRIES LTD KT-1P (Peruvian Air Force) Woongbee	TC-09-001 (Korea)	Pratt & Whitney PT6A-62 950 HP @ 2000 RPM	HC-E4N-2D E9512GB-1*3	95"-94"	D-630-1 D-630-1P	3226
KOREA AEROSPACE INDUSTRIES LTD KT-1T (Turkish Air Force)	TC-09-001 (Korea)	PRATT & WHITNEY PT6A-62 950 HP @ 2000 RPM	HC-E4N-2C E9512CB-1*2	95"	D-630-1 D-630-1P	2795
KOREA AEROSPACE INDUSTRIES LTD KT-1 WOONGBEE	Unknown	PRATT & WHITNEY PT6A-62 950 HP @ 2000 RPM	HC-E4N-2 E9512CB-1	95"	D-630-1 D-630-1P	1407
KOREAN AIR AIRCRAFT CHK91-A1	Unknown	LYCOMING IO-360-A1B6 200 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74" TO 72"		606
KWAD SUPER-V SUPER-V	A5IN, 4A29	LYCOMING O-360-A1D, -A1A, -A1C 180 HP @ 2700 RPM	HC-92ZK-2B 8447-12A	71.6" TO 70"	835-30 835-6	607
LAKE (REVO) LA-4 AMPHIBIAN	1A13	LYCOMING O-360-A1A, -A1D 180 HP @ 2700 RPM	HC-92WK-8L L8447-12A L8447N-12A LW8447-12A LW8447N-12A	72" TO 70.5"	835-30P	608
LAKE (REVO) LA-4-200 BUCANEER	1A13	LYCOMING IO-360-A1B 200 HP @ 2700 RPM	HC-C2YK-1BL(F) FL7666A-2	74" TO 72"		609
LAKE (REVO) LA-4-200 BUCANEER	STC-SA4NE AEROFAB INC	LYCOMING IO-360-A1B6 200 HP @ 2700 RPM	HC-E2YR-1BLF FL7666A-2	74" NO CUT OFF	835-50L 835-50LP	612
LAKE (REVO) LA-4-200 BUCANEER	STC-SA7NE AEROFAB INC	LYCOMING IO-360-A1B6 200 HP @ 2700 RPM	HC-C3YR-1RLF FL7663-8R	70"		614
LAKE (REVO) LA-4-200 BUCANEER	STC-SA360GL ROBERT W HALDI	LYCOMING IO-360-(A,C)1(A,B,C),D1A 200 HP @ 2700 RPM	HC-C2YK-1BLF FL7666A-4Q	72"		611
LAKE (REVO) LA-4-200 BUCANEER	STC-SA631CE LAKE 4 SALES CORP.	LYCOMING IO-360-A1A 200 HP @ 2700 RPM	HC-C2YK-1BL(F) FL7666A-2	74"		613

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LAKE (REVO) LA-4 S/N 345 Amphibian	SA2203SE Edward F. Forner	Lycoming O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-1BLF FL7666A-4Q	74" to 72"		3142
LAKE (REVO) 250 RENEGADE	1A13	LYCOMING IO-540-C4B5 250 HP @ 2575 RPM	HC-E3YR-1RLF FL7663D-2Q	76" NO CUT OFF	D-5495-L D-5495LP	616
LAKE (REVO) 250 RENEGADE	1A13	LYCOMING IO-540-C4B5 250 HP @ 2575 RPM	HC-E3YR-1RLF FL7663D-2Q	76" NO CUT OFF	D-5495-L D-5495LP	1441
LAKE (REVO) 250 TURBO RENEGADE	SA469NE REVO, INC.	LYCOMING TIO-540-AA1AD 270 HP @ 2575 RPM	HC-E3YR-1RLF FL7663D-2Q	76" NO CUT OFF	D-5495-L D-5495LP	1782
LANCAIR LANCAIR IV	Experimental	CONTINENTAL IO-550-G 300 HP @ 2700 RPM	PHC-H3YF-1RF F7490	76"	D-6841-P	1293
LANCAIR LANCAIR IV	Experimental	CONTINENTAL TSIO-550-B,-E 350 HP @ 2700 RPM	HC-H3YF-1RF F7693DF	76"	C-6446-1 C-6446-1P	1883
LANCAIR LANCAIR IV	Experimental	CONTINENTAL TSIO-550-B 350 HP @ 2700 RPM	PHC-H3YF-1RF F7490	76"		1158
LANCAIR LANCAIR IV	Experimental	CONTINENTAL TSIO-550-B 350 HP @ 2700 RPM	HC-H3YF-2UF FC7693DF	78" TO 75"	D-3273-2 D-3273-2P	1841
LANCAIR LANCAIR IV	Experimental	CONTINENTAL TSIO-550-B 350 HP @ 2700 RPM	PHC-H3YF-4BF FC7490	76"		1769
LANCAIR LANCAIR IV	Experimental	PRATT & WHITNEY PT6A-34 500 HP @ 2200 RPM	HC-B3TN-3ACX T8290NKX	82	C-3065-16 C-3065-16P	2605
LANCAIR LEGACY 540	Experimental	LYCOMING IO-540-V4A5 260 HP @ 2700 RPM	HC-F2YR-1F F7694-4T	72"	A-2295-P	1628

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LANCAIR LEGACY	Experimental	LYCOMING IO-540-K1A5 300 HP @ 2700 RPM	HC-F3YR-1ARF F8468D-14	72	A-2295-1P	2469
LANCAIR LEGACY 2000	Experimental	CONTINENTAL IO-550-N 310 HP @ 2700 RPM	HC-J3YF-1RF F7391D-3 F7391D-3*1	72"	A-2295-1P	1898
LANCAIR LEGACY 2000	Experimental	CONTINENTAL IO-550-N 310 HP @ 2700 RPM	BHC-J2YF-1BF F7694-4T	72"	A-2295-P	1722
LANCAIR TURBO LEGACY	Experimental	CONTINENTAL TSIO-550-X 350 HP @ 2700 RPM	HC-H3YF-2UFX FC7391D-3X	72"	C-4558-3P D-4578-P D-7267-1P	2501
LANCAIR TURBO LEGACY	Experimental	CONTINENTAL TSIO-550-X 350 HP @ 2700 RPM	HC-H3YF-1RFX F7391D-3X	72"	C-3570-P	2500
LANCAIR LEGACY FG	Experimental	LYCOMING IO-390-X 210 HP @ 2700 RPM	HC-F2YR-1FP F7497	74	A-2295 A-2295-P	2621
LANCAIR LEGACY 2000	EXPERIMENTAL	CONTINENTAL IO-550-N 310 HP @ 2700 RPM	PHC-J3YF-2UF FC7391D-3	72 (NO REDUCTION ALLOWED)	C-4558-3 C-4558-3P	2655
LANCAIR 320 LANCAIR	Experimental	LYCOMING IO-320-B1A 160 HP @ 2700 RPM	HC-F2YL-1F F8468D-14	70.0"		618
LANCAIR 360 LANCAIR	Experimental	LYCOMING IO-360 200 HP @ 2700 RPM	HC-F2YR-1F F7666A-4	74.0" TO 72.0"		619
LANCAIR 360	Experimental	LYCOMING IO-360-B1B 180 HP @ 2700 RPM	HC-F2YR-1F F7068-2	68.0" TO 67.0"		1193
LANCAIR LANCAIR ES	Experimental	CONTINENTAL IO-550-G, -G2B 300 HP @ 2700 RPM	PHC-J3YF-1RF F7691	78.0" TO 77.0"	C-6446 C-6446-P	1681

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LANCAIR LANCAIR ES	Experimental	CONTINENTAL IO-550-G, -G2B 300 HP @ 2700 RPM	PHC-J3YF-1RF F7691D	78.0" TO 77.0"		1159
LANCAIR LANCAIR ES	Experimental	CONTINENTAL IO-550-G, -G2B 300 HP @ 2700 RPM	PHC-J3YF-1RF F7693DF	78.0" TO 77.0"	C-6446-1P	1958
LANCAIR EVOLUTION EVOLUTION	EXPERIMENTAL	PRATT & WHITNEY PT6A-34 560 HP @ 2200 RPM	HC-E4N-3NX D8292BX*2	82.5" TO 81.5"	D-630-1 D-630-1P	2686
Lavia Argentina S.A. PA-25-235 Puelche	Unknown	LYCOMING O-540-B4B5 235 HP @ 2575 RPM	HC-C3YR-1RF F7693F	78" TO 76"	835-36 835-36P	2835
LAVIASA PA-25-260 PAWNEE	2A8, 2A10	LYCOMING O-540-G1A5 260 HP @ 2700 RPM	HC-C2YK-1BF F8477 F8477-1	84" TO 83"		1553
LOCKHEED 12A	STC-SA4-33 HARTZELL PROPELLER	PRATT & WHITNEY R985 (with 4.5 & 9 dampers) 450 HP @ 2300 RPM	HC-(9,B)3(Z,W,P,R)30-2E 10152-5.5 10152N-5.5	95.5"	836-16SPR 836-17SPR 836-32SPR	622
LOCKHEED 12A	STC-SA4-33 HARTZELL PROPELLER	PRATT & WHITNEY R985 (with 4.5 & 9 dampers) 450 HP @ 2300 RPM	HC-B3(Z,W)30-2D, -2E 10160-6 10160N-6	95"	836-32SPR	623
LUSCOMBE 8B,8C,8D,8E	A-694	CONTINENTAL A-75-8J, C-85-12; LYCO O-145-B1 85 HP @ 2575 RPM	HA-12UO, HA-12UF 7214 7214-2 7214-2M 7214-4 7214-4M 7214M 7414 7414M	74" TO 68"		624
LUSCOMBE 11	STC-SA3-71 GRAHAM FLYING	CONTINENTAL E-185-2 185 HP @ 2300 RPM	HC-82XF-2, HC-A2XF-2 8433-1	83" TO 81.5"		2202

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LUSCOMBE 11	STC-SA3-71 GRAHAM FLYING	CONTINENTAL E-185-2 185 HP @ 2300 RPM	HC-A2MVf-2 MV8433N-1	83" TO 81.5"		625
LUSCOMBE 11A	A-804	CONTINENTAL E-185-2 185 HP @ 2300 RPM	not procurable	83.0" TO 81.5"		627
LUSCOMBE 11A	A-804	CONTINENTAL E-165-2, E-185-2 165 HP @ 2050 RPM	HC-42XF-2 8428-1	83.0" TO 81.5"		628
LUSCOMBE 11A	STC-SA3-71 GRAHAM FLYING	CONTINENTAL E-185-2 185 HP @ 2300 RPM	HC-12X20-7, HC-D2X20-7, HC-12X20-7D 8433-1	83"		2203
LUSCOMBE 11A	STC-SA3-71 GRAHAM FLYING	CONTINENTAL E-185-2 185 HP @ 2300 RPM	HC-D2MV20-7 MV8433N-1	83"		626
MAULE M-4-180V	3A23	LYCOMING O-360-C1F 180 HP @ 2700 RPM	HC-C2YR-1BF F7666A	76" TO 72"	A-2298-2P	2719
MAULE M-4-220C, S, T	STC-SA1199NW LI'L RED AERO, INC.	FRANKLIN 6A-350-C1 220 HP @ 2800 RPM	HC-C2YF-1BF F8459A-4	80.0" TO 76.0"	A-4203 A-4203-P	1417
MAULE M-5-180C, M-6-180, MX-7-180	3A23	LYCOMING O-360-C1F 180 HP @ 2700 RPM	HC-C2YR-1BF F7666A	76" TO 72"	A-2298-2P	629
MAULE M-5-200	3A23	LYCOMING IO-360-J1A6D 200 HP @ 2575 RPM	HC-E2YR-1BF F8467-7R	77" TO 76.5"	A-2298-2P	630
MAULE M-5-210TC	3A23	LYCOMING TO-360-F1A6D 210 HP @ 2575 RPM	HC-E2YR-1BF F8467-7R	77" TO 76.5"	A-2298-2	631
MAULE M-5-210TC	3A23	LYCOMING TO-360-F1A6D 210 HP @ 2575 RPM	HC-E2YR-1BF F8467-7R	77" TO 76.5"	A-2298-2	632
MAULE M-5-235C, M-6-235, M(X)-7-235	3A23	LYCOMING O-540-J1A5D, IO-540-W1A5D 235 HP @ 2400 RPM	HC-C2YR-1BF F8468A-3R F8468A-6R	81.0" TO 77.0"	A-2298-2	634

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MAULE M-5-235C, M-6-235, M(X)7-235, M-7-235B,-C	3A23	LYCOMING IO-540-W1A5D, IO-540-W1A5 235 HP @ 2400 RPM	HC-C3YR-1RF F7693F	78"	C-3535-1P	1864
MAULE M9-230	Experimental	SMA SR305 230 HP @ 2200 RPM	HC-I3YR-1C 7690J	78"	A-2295-1P	1973
MAULE M-7-235	Experimental	LYCOMING O-540-B4B5 235 HP @ 2575 RPM	HC-C2YR-1BF F8468A-3R	81.0" TO 77.0"	A-2298-2 A-2298-2P	1219
MAULE M(T)-7-235()	3A23	LYCOMING O-540-B4B5 235 HP @ 2575 RPM	HC-C3YR-1RF F7693F*1	78" TO 76"	C-3535-1P	1516
MAULE M(T)-7-235()	3A23	LYCOMING O-540-B4B5 235 HP @ 2575 RPM	HC-C2YR-1BF F8477D-6	78"	A-2298-2	1517
MAULE M(T)-7-235()	3A23	LYCOMING O-540-J3A5 235 HP @ 2400 RPM	HC-C2YR-1BF F8477D-6	78"	A-2298-2	1519
MAULE M(T)-7-235()	3A23	LYCOMING O-540-J3A5 235 HP @ 2400 RPM	HC-C3YR-1RF F7693F*1	78" TO 76"	C-3535-1P	1518
MAULE M(T)-7-260	3A23	LYCOMING IO-540-V4A5 260 HP @ 2700 RPM	HC-C2YR-1BF F8477D-6	78"	A-2298-2	1444
MAULE M-7-260, M-7-260C, M(T)-7-260	3A23	LYCOMING IO-540-V4A5 260 HP @ 2700 RPM	HC-C3YR-1RF F7693F-1 F7693F-1*1	77" to 76"	C-3535-1P	1528
MAULE M-7-260, M-7-260C, M(T)-7-260	3A23	LYCOMING IO-540-V4A5 260 HP @ 2700 RPM	HC-C3YR-1RF F7693F F7693F*1	78" TO 76"	C-3535-1P	1296
MAULE M-7-420	STC-SA2661SO MAULE TECHNOLOGIES	ALLISON 250-B17C 420 HP @ 2030 RPM	HC-B3TF-7A T10173-11R T10173F-11R T10173FN-11R	90.5" TO 88.0"	A-3640 A-3640-P	635

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MAULE MX (T)-7-420	3A23	ALLISON 250-B17C 369 HP @ 2030 RPM	HC-B3TF-7A T10173F-21R T10173FN-21R	80.5" TO 78"	A-3640-P	636
MCCULLOCH J-2	H6WE	LYCOMING IO-360 180 HP @ 2700 RPM	HC-C3YR-1RLF FL7663-4R	74"		637
MCKINNON see GRUMMAN		HP @ RPM				638
MESSERSCHMITT 207	Unknown	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-92ZK-8D 8447A-12A 8447AN-12A	72		1932
MESSERSCHMITT BO209-150FV, RV	A27EU	LYCOMING O-320-E1C, -E1F 150 HP @ 2700 RPM	HC-C2YL-1BF F7663A-6	70" NO CUT OFF		639
MESSERSCHMITT BO209-160FV, RV	A27EU	LYCOMING IO-320-D1A, -D1B 160 HP @ 2700 RPM	HC-C2YL-1BF F7663A-6	70" NO CUT OFF		640
MEYERS MAC145	3A1	CONTINENTAL C-145-2 145 HP @ 2700 RPM	HA-12UF 8032-6	74" TO 72.5"		641
MEYERS 200 see PROP JETS INC.		HP @ RPM				642
MICCO MAC-145B SP-26	3A1	LYCOMING IO-540-T4B5 260 HP @ 2700 RPM	HC-C3YR-1RF F7693F	78" TO 76"	C-3535-1P	1614
MITSUBISHI MU-2B,MU-2B-10 (MU-2B)	A2PC	GARRETT TPE331-25A, -25AA, -25AB 575 HP @ 2000 RPM	HC-B3TN-5M T10176NS-5 T10176NSB-5 T10176NSK-5 T10176S-5 T10176SB-5 T10176SK-5	96" NO CUT OFF	C-3043-3	643

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MITSUBISHI MU-2B, MU-2B-10 (MU-2B)	A2PC	GARRETT TPE331-25A, -25AA, -25AB 575 HP @ 2000 RPM	HC-B3TN-5M T10178-11 T10178-11R T10178B-11*1 T10178B-11*2 T10178B-11R T10178B-11R*1 T10178N-11 T10178N-11R T10178NB-11*1 T10178NB-11*2 T10178NB-11R T10178NB-11R*1 T10178NSB-11R	90.5" TO 90"	C-3043-3P	644
MITSUBISHI MU-2B-15, -20, -30 (MU-2D,F,G)	A2PC	GARRETT TPE331-1-151A 665 HP @ 2000 RPM	HC-B3TN-5M T10178-11 T10178-11R T10178B-11*1 T10178B-11*2 T10178B-11R T10178B-11R*1 T10178N-11 T10178N-11R T10178NB-11*1 T10178NB-11*2 T10178NB-11R T10178NB-11R*1 T10178NSB-11R	90.5" TO 90"	C-3043-2	645
MITSUBISHI MU-2B-25A, -26A	A10SW	GARRETT TPE331-5-252M 715 HP @ 1591 RPM	HC-B4TN-5DL, -5GL, -5JL LT10282NSB-5.3	97.7"	C-3410-1P C-3410-3P	1298
MITSUBISHI MU-2B-25, -26, -35, -36 (MU-2K, M, J, L)	A10SW	GARRETT TPE331-6-251M 665 HP @ 2000 RPM	HC-B3TN-5M T10178B-11*1 T10178B-11*2 T10178B-11R T10178B-11R*1 T10178NB-11*1 T10178NB-11*2 T10178NB-11R T10178NB-11R*1	90.5" TO 90"	C-3043-3	647

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MITSUBISHI MU-2B-25, -26, -35, -36 (MU-2K, M, J, L)	A2PC	GARRETT TPE331-6-251M 665 HP @ 2000 RPM	HC-B3TN-5M T10178B-11*1 T10178B-11*2 T10178B-11R T10178B-11R*1 T10178NB-11*1 T10178NB-11*2 T10178NB-11R T10178NB-11R*1 T10178NSB-11R	90.5" TO 90"	C-3043-3	646
MITSUBISHI MU-2B-25, 26, 35, 36	STC SA09565SC INTERCONTINENTAL JET, INC.	GARRETT TPE331-10AV-511M 665 HP @ 2000 RPM	HC-B3TN-5M T10178NSB-11R	90.375" TO 89.375"	C-3043-3P	1618
MITSUBISHI MU-2B-26A, MU-2B-40 (MU-2P) SOLITARE	A10SW	GARRETT TPE331-5-252M, -10-501M, -10-511M 665 HP @ 1591 RPM	HC-B4TN-5DL, -5GL LT10282NS-5.3R LT10282NSK-5.3	97.7"	C-3410-1P C-3410-3P	1915
MITSUBISHI MU-2B-26A, MU-2B-40 (MU-2P) SOLITARE	A10SW	GARRETT TPE331-5-252M, -10-501M, -10-511M 665 HP @ 1591 RPM	HC-B4TN-5JL LT10282NSB-5.3 LT10282NSB53R*	97.7"	C-3410-3P	648
MITSUBISHI MU-2B-30	STC-SA336GL-D AIRESEARCH AVIATION	GARRETT TPE331-5-252M 665 HP @ 1591 RPM	HC-B4TN-5DL, -5GL, -5JL LT10282NSB-5.3	97.7"	C-3410-1P C-3410-3P	650
MITSUBISHI MU-2B-35A, -36A	A10SW	GARRETT TPE331-5-252 715 HP @ 1591 RPM	HC-B4TN-5DL, -5GL, -5JL LT10282NSB-5.3	97.7"	C-3410-1P C-3410-3P	1300
MITSUBISHI MU-2B-36A, MU-2B-60 (MU-2N) MARQUISE	A10SW	GARRETT TPE331-5-252M, -10-501M, -10-511M 715 HP @ 1591 RPM	HC-B4TN-5DL, -5GL, -5JL LT10282NS-5.3R LT10282NSB-5.3 LT10282NSB53R* LT10282NSK-5.3	97.7"	C-3410-1P C-3410-3P	649
MITSUBISHI MU-2B-40, -60	A10SW	GARRETT TPE331-10 715 HP @ 1591 RPM	HC-B4TN-5DL, -5GL, -5JL LT10282NSB-5.3	97.7"	C-3410-1P C-3410-3P	1299

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MONOCOUCPE 90AL-115	STC-SA1017CE MURLIN SMITH	LYCOMING IO-320-E1A 160 HP @ 2700 RPM	HC-C2YL-4F FC7663	76"		651
MOONEY M20	2A3	LYCOMING O-320 150 HP @ 2700 RPM	HC-A2MVL-1 MV7636N	76.2" TO 72"	835-30P	652
MOONEY M20	2A3	LYCOMING O-320 150 HP @ 2700 RPM	HC-A2VL-1 V7636 V7636N	76.2" TO 72"	835-30P	2317
MOONEY M20	2A3	LYCOMING O-320 150 HP @ 2700 RPM	HC-82XL-1B, HC-82XL-1, HC-A2XL-1 7636D	76.2" TO 72"	835-30P	2204
MOONEY M20	STC-SA320GL JET ENTERPRISES	LYCOMING IO-360-A1A 200 HP @ 2700 RPM	HC-C2YK-1BF F7666A-4Q	72"	835-20	660
MOONEY M20TN ACCLAIM	SA02482CH MidWest Modifications LLC	CONTINENTAL TSIO-550-G-AP 310 HP @ 2700 RPM	PHC-J3YF-1N N7605C-2	76"	A-2295-10 A-2295-10P	3146
MOONEY M20TN ACCLAIM	SA02482CH MidWest Modifications LLC	CONTINENTAL TSIO-550-G-AP 310 HP @ 2700 RPM	PHC-J3YF-1N N7605-2	76"	A-2295-10 A-2295-10P	2769
MOONEY M20E, M20F	SA09695AC Alamo Aerospace	Lycoming IO-390-A3A6 210 HP @ 2700 RPM	HC-C2YR-1BFP F7497	74" to 72.5"	835-20 835-33 835-54 A-835-33P A-835-54P	2922
MOONEY M20E, F, J	SA09695AC Alamo Aerospace	Lycoming IO-390-A3A6 210 HP @ 2700 RPM	HC-C3YR-1RF F7282	74" to 73"	835-47 835-47P A-2295-4 A-2295-4P	2898
MOONEY M20S EAGLE	SA02988AT PowerLite LLC	CONTINENTAL IO-550-G 280 HP @ 2500 RPM	PHC-J3YF-1RF F7693DF-2*1	78"	A-2295-10P	2527

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MOONEY M20A	2A3	LYCOMING O-360-A1A, -A1D 180 HP @ 2700 RPM	HC-92ZK-8D 8447-12A	71.6" TO 70"	835-30P 835-6	653
MOONEY M20A,B,C,D,G	2A3	LYCOMING O-360-A1A, -A1D, -A2D 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74.0" TO 72.5"	835-20 835-33 835-33P	1171
MOONEY M20C, D, G	STC-SA4529NM-D HARTZELL PROPELLER	LYCOMING O-360-A1A, A1D 180 HP @ 2700 RPM	HC-C3YR-1RF F7282	74.0" TO 73.0"	835-47 835-47P	1394
MOONEY M20C, D, E, F, G	STC-SA4502NM PAUL E. LOEWEN	LYCOMING IO-360-A1A, -A1B, -A1B6, -A1B6D (-A1B6 OR -A1B6D, M20E & F) 200 HP @ 2700 RPM	HC-C2YK-1B(F) F7666A-2	74.0" TO 72.5 "	835-20 835-33	76
MOONEY M20E,F	STC-SA4529NM-D HARTZELL PROPELLER	LYCOMING IO-360-A1A 200 HP @ 2700 RPM	HC-C3YR-1RF F7282	74.0" TO 73.0"	835-47 835-47P	2450
MOONEY M20E,F	2A3	LYCOMING IO-360-A1A 200 HP @ 2700 RPM	HC-C2YR-1BF F7666-2 F7666A-2	74" TO 72.5"	835-20 835-33 835-33P	655
MOONEY M20E, F	SA02414CH-D HARTZELL PROPELLER INC	LYCOMING IO-360-A1A 200 HP @ 2700 RPM	HC-C2YR-1BFP F7497*1	74	103585 835-54 835-54P 835-58 835-58P	2674
MOONEY M20E, F	STC-SA4529NM-D HARTZELL PROPELLER	LYCOMING IO-360-A1A 200 HP @ 2700 RPM	HC-C3YR-1RF F7282	74.0" TO 73.0"	835-47 835-47P	1393
MOONEY M20J	2A3	LYCOMING IO-360-A1B6D, -A3B6D 200 HP @ 2700 RPM	HC-C2YK-1BF F7666A-3Q	73" NO CUT OFF		656

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MOONEY M20J	STC-SA4529NM-D HARTZELL PROPELLER	LYCOMING IO-360-A3B6(D), -A1B6D 200 HP @ 2700 RPM	HC-C3YR-1RF F7282	74.0" TO 73.0"	A-2295-4 A-2295-4P	661
MOONEY M20J MISSILE	STC-SA00081SE STC/MOONEY LIMITED (ROCKET)	CONTINENTAL IO-550-A 300 HP @ 2700 RPM	PHC-C3YF-2UF FC7382	75.0" TO 73.0"	D-3273-2P	662
MOONEY M20K	2A3	CONTINENTAL TSIO-360-G1B, GB3, GB4, LB1, MB1 210 HP @ 2700 RPM	BHC-J2YF-1BF F8459A-11Q	73" NO CUT OFF	A-2295	657
MOONEY M20K 231, 252	STC-SA1505GL HARTZELL PROPELLER	CONTINENTAL TSIO-360-GB 210 HP @ 2700 RPM	PHC-J3YF-1RF F7663 F7663A-2R F7663A-2R*1 F7663A-2R*2 F7663AK-2R F7663AK-2R*1	76.0" TO 74.0"	A-2295-1 A-2295-1P A-2295-2 A-2295-2P	659
MOONEY M20L PFM	2A3	PORSCHE PFM-3200#3 217 HP @ 2343 RPM	BHC-J2YF-1C B7421	74" NO CUT OFF	D-5413-P	658
MOONEY M20R OVATION	SA02004CH HARTZELL PROPELLER INC.	CONTINENTAL IO-550-G 280 HP @ 2500 RPM	PHC-J3YF-1RF F7693DF-2*1	76" TO 75"	A-2295-10 A-2295-10P	1981
MOONEY M20(R, S) OVATION & EAGLE	SA02193CH Midwest Modifications LLC	CONTINENTAL IO-550-G-AP 310 HP @ 2700 RPM	PHC-J3YF-1RF F7693DF-2*1 F7693DFB-2	78"	A-2295-10P	2606
MOONEY M20(R,S) OVATION & EAGLE	SA02482CH MidWest Modifications LLC	CONTINENTAL IO-550-G-AP 310 HP @ 2700 RPM	PHC-J3YF-1N N7605-2	76"	A-2295-10 A-2295-10P	2671
MOONEY M20(R,S) OVATION & EAGLE	SA02482CH MidWest Modifications LLC	CONTINENTAL IO-550-G-AP 310 HP @ 2700 RPM	PHC-J3YF-1N N7605C-2	76"	A-2295-10 A-2295-10P	3147

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MOONEY M20TN ACCLAIM	TBD	CONTINENTAL TSIO-550-G 280 HP @ 2500 RPM	PHC-J3YF-1RF F7693DF-2*1	76	A-2295-10 A-2295-10P	2567
MOONEY M22 MUSTANG	A6SW	LYCOMING TIO-541-A1A 310 HP @ 2575 RPM	HC-C2YK-1BF F8475-4	80" NO CUT OFF	835-33	663
MOONEY M20(A-D,G)	SA02414CH-D HARTZELL PROPELLER INC	LYCOMING O-360-A1(A,D) 180 HP @ 2700 RPM	HC-C2YR-1BFP F7497*1	74"-72.5"	103585 835-54 835-54P 835-58 835-58P	2718
MOONEY M20J	SA02414CH-D HARTZELL PROPELLER INC	LYCOMING IO-360-A(1,3)B6D, A3B6 200 HP @ 2700 RPM	HC-C2YR-1BFP F7497*1	74"	A-2295-5 A-2295-5P	2720
MOONEY M20J	SA09695AC Alamo Aerospace	Lycoming IO-390-A3A6 210 HP @ 2700 RPM	HC-C2YR-1BFP	74" to 72.5"	A-2295-5 A-2295-5P	2923
MOONEY M20R,S, TN	SA03024CH Minnis Aviation	Continental IO-550-G-PL, IO-550-N, TSIO-550-G 310 HP @ 2700 RPM	PHC-J3YF-1RF F7498*1 F7498B*1	76" to 74"	A-2295-10 A-2295-10P	3177
MOONEY M20TN ACCLAIM	2A3	CONTINENTAL TSIO-550-G 280 HP @ 2500 RPM	PHC-J3YF-1RF F7498	76 to 74	A-2295-10 A-2295-10P	2744
MORANE SAULNIER see AEROSPATIALE		HP @ RPM				664
MORAVAN 242L ZLIN	A76EU	LYCOMING AEIO-360-A1B6 200 HP @ 2700 RPM	HC-C3YR-4BF FC6890	70" TO 69"	D-5205-P	1307
MORAVAN Z-42 ZLIN	Unknown	LYCOMING AIO-320 160 HP @ 2700 RPM	HC-C2YL-1B F7663A-4	72"		665

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MORAVAN 526L ZLIN	A30EU	LYCOMING AIO-360-B1B 200 HP @ 2700 RPM	HC-C2YK-4 FC7666A-2	74" TO 72"	C-2513-5	667
MUDRY CAP 21	UNKNOWN	LYCOMING AEIO-360-A1B 200 HP @ 2700 RPM	HC-C2YK-4BF FC7666A-2	74	C-2513-5 C-2513-5P	2587
MULTITECH (TEMCO) D16 TWIN NAVION	2A1	LYCOMING O-320-A1A 150 HP @ 2700 RPM	HC-82XL-2, HC-A2XL-2	74.2" TO 72.5"	835-30	2205
MULTITECH (TEMCO) D16 TWIN NAVION	2A1	LYCOMING O-290-D2A 140 HP @ 2750 RPM	HC-82XL-2, HC-A2XL-2	74.2" TO 72.5"	835-30	2206
MULTITECH (TEMCO) D16 TWIN NAVION	2A1	LYCOMING O-290-D2A 140 HP @ 2750 RPM	HC-A2MVL-2 MV7636N-2	74.2" TO 72.5"	835-30	671
MULTITECH (TEMCO) D16 TWIN NAVION	2A1	LYCOMING O-320-A1A 150 HP @ 2700 RPM	HC-A2MVL-2 MV7636N-2	74.2" TO 72.5"	835-30	670
MULTITECH (TEMCO) D16A, D16 TWIN NAVION	2A1	LYCOMING O-340-A1A 170 HP @ 2700 RPM	HC-82VL-2, HC-A2VL-2 V8433N-12	72.2" TO 70"	835-30	2207
MULTITECH (TEMCO) D16A, D16 TWIN NAVION	2A1	LYCOMING O-340-A1A 170 HP @ 2700 RPM	HC-A2MVL-2 MV8433N-12	72.2" TO 70"	835-30	672
MURPHY AIRCRAFT MFG. YUKON	Experimental	LYCOMING IO-390-X 210 HP @ 2700 RPM	HC-C2YR-1BFP F8477-4	80	C-3568-P	2714
MURPHY AIRCRAFT MFG. LTD MOOSE	Experimental GESOCO INDUSTRIES INC.	AEROSTAR M14P 360 HP @ 1908 RPM	HC-C3YR-1RLFX FJ9587CX	97"	D-7709	1843
MURPHY AIRCRAFT MFG. LTD SR2500 SUPER REBEL	Experimental	LYCOMING IO-540-D4A5 260 HP @ 2700 RPM	HC-C3YR-1RF F8468A-2R	84" TO 76"	C-3575-P	1608
MURPHY AIRCRAFT MFG. LTD SR2500 SUPER REBEL	Experimental	LYCOMING O-540-A4A5 250 HP @ 2575 RPM	HC-C3YR-1RF F8468A-2R	84" TO 76"	C-3575-P	1626

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MURPHY AIRCRAFT MFG. LTD. SR2500	Experimental	LYCOMING (I)O-360-(A,B,C) SERIES 200 HP @ 2700 RPM	HC-C2YR-1BF F8477-4	80"	A-2298-2P	1538
MURPHY AIRCRAFT MFG. LTD. SR2500	Experimental	LYCOMING O-540-A4A5 250 HP @ 2575 RPM	HC-C2YR-1BF F8477	84"	A-2298-2P	1308
MUSTANG AERONAUTICS MUSTANG II	Experimental	LYCOMING IO-320 160 HP @ 2700 RPM	HC-C2YL-1BF F7663A-4	72" TO 70"	A-2297-P	2473
MUSTANG AERONAUTICS MUSTANG II	Experimental	LYCOMING IO-320-B1A 160 HP @ 2700 RPM	HC-F2YL-1F F7663A-4	70", 73"	C-4565	1634
MUSTANG AERONAUTICS MUSTANG II	Experimental	LYCOMING IO-360 SERIES 200 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74"	A-2297-P	1635
MXR MX-R / MX-S	EXPERIMENTAL	LYCOMING AEIO-540 300 HP @ 2700 RPM	HC-C3YR-1A 7690E	78" No cut-off	D-7409	2872
NANCHANG N-5	Unknown	LYCOMING IO-720-D1B 400 HP @ 2650 RPM	HC-C3YR-1RF F8475R	86"	A-2295-1	673
NARDI FN-333 LANE-SIAI RIVIERA	7A5	CONTINENTAL IO-470-P 250 HP @ 2600 RPM	not procurable	78.6" TO 76"	835-11S	674
NARDI FN-333 LANE-SIAI RIVIERA	7A5	CONTINENTAL IO-470-P 250 HP @ 2600 RPM	HC-A2X20-5L, HC-82X20-5L	84" TO 81"	835-17	2208
NARDI FN-333 LANE-SIAI RIVIERA	7A5	CONTINENTAL IO-470-P 250 HP @ 2600 RPM	HC-A2MV20-5L LMV8433N	84" TO 81"	835-17	675
NAVION NAVION	A782	CONTINENTAL E-185-3 185 HP @ 2300 RPM	not procurable	84"		676
NAVION NAVION	A782	CONTINENTAL E-185-3, -9 205 HP @ 2600 RPM	not procurable	84" TO 82.4"		681

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NAVION NAVION	A782	CONTINENTAL E-185-3, -9 205 HP @ 2600 RPM	not procurable	84" TO 82.4"		679
NAVION NAVION	A782	CONTINENTAL E-185-3, -9 185 HP @ 2300 RPM	HC-D2X20-7, HC-D2X20-8 8433	84" TO 82.4"		2299
NAVION NAVION	A782	CONTINENTAL E-185-3, -9 185 HP @ 2300 RPM	HC-D2V20-7, HC-D2V20-8 V8433 V8433N	84" TO 82.4"		2300
NAVION NAVION	A782	CONTINENTAL E-185-3, -9 185 HP @ 2300 RPM	HC-D2MV20-(7,8) MV8433N	84" TO 82.4"		1560
NAVION NAVION	STC-SA1-635 HARTZELL PROPELLER	CONTINENTAL E-185 205 HP @ 2600 RPM	HC-82X20-4A1, HC-A2X20-4A1 8433	84" TO 82.5"	837-6	2215
NAVION NAVION	STC-SA1-635 HARTZELL PROPELLER	CONTINENTAL E-185-3, -9 205 HP @ 2600 RPM	HC-82X20-4A1, HC-A2X20-4A1 8433	84" TO 82.5"	837-6	2216
NAVION NAVION	STC-SA1-635 HARTZELL PROPELLER	CONTINENTAL E-185 205 HP @ 2600 RPM	HC-A2MV20-4A1 MV8433N	84" TO 82.5"	837-6	687
NAVION NAVION	STC-SA1-635 HARTZELL PROPELLER	CONTINENTAL E-185-3, -9 205 HP @ 2600 RPM	HC-A2MV20-4A1 MV8433N	84" TO 82.5"	837-6	688
NAVION NAVION	STC-SA1-635 HARTZELL PROPELLER	CONTINENTAL E-225-4 224 HP @ 2600 RPM	HC-82X20-4A1, HC-A2X20-4A1 8433	84" TO 82.5"	837-6	2217
NAVION NAVION	STC-SA1-635 HARTZELL PROPELLER	CONTINENTAL E-225-4 225 HP @ 2650 RPM	HC-A2X20-4A1 8433	84" TO 82.5"	837-6	2213
NAVION NAVION	STC-SA1-635 HARTZELL PROPELLER	CONTINENTAL E-225-4 225 HP @ 2650 RPM	HC-A2V20-4A1 V8433	84" TO 82.5"	837-6	2214
NAVION NAVION	STC-SA1-635 HARTZELL PROPELLER	CONTINENTAL E-225-4 225 HP @ 2650 RPM	HC-A2MV20-4A1 MV8433N	84" TO 82.5"	837-6	686

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NAVION						
NAVION	STC-SA1-635 HARTZELL PROPELLER	CONTINENTAL E-225-4 224 HP @ 2600 RPM	HC-A2MV20-4A1 MV8433N	84" TO 82.5"	837-6	689
NAVION						
NAVION	STC-SA4-118		HC-12X20-7, HC-D2X20-7, HC-12X20-7C	84.0"		2218
	ROBERT DOUTHIT	HP @ RPM	8433			
NAVION						
NAVION	STC-SA4-118		HC-12V20-7, HC-D2V20-7, HC12V20-7C	84.0"		2219
	ROBERT DOUTHIT	HP @ RPM	V8433 V8433N			
NAVION						
NAVION	STC-SA4-118 ROBERT DOUTHIT	HP @ RPM	HC-D2MV20-7 MV8433N	84.0"		691
NAVION						
NAVION, NAVION A	A782	CONTINENTAL E-185-3, -9 205 HP @ 2600 RPM	HC-12X20-1 8428	84" TO 82.4"		678
NAVION						
NAVION, NAVION A	A782	CONTINENTAL E-185-3, -9 205 HP @ 2600 RPM	HC-12X20-5 8428	84" TO 82.4"		680
NAVION						
NAVION, NAVION A	A782	CONTINENTAL E-185-3, -9 205 HP @ 2600 RPM	HC-12X20-7,-7B,-7C,-8 series 8428	84" TO 82.4"		683
NAVION						
NAVION, NAVION A	A782	CONTINENTAL E-225-4 224 HP @ 2600 RPM	HC-12V20-7, HC-D2V20-7, HC-12V20-7B V8433 V8433N	84" TO 82.4"		2210
NAVION						
NAVION, NAVION A	A782	CONTINENTAL E-225-4 224 HP @ 2600 RPM	HC-12X20-7, HC-D2X20-7, HC-12X20-7B 8433	84" TO 82.4"		2209
NAVION						
NAVION, NAVION A	A782	CONTINENTAL E-225-4 224 HP @ 2600 RPM	HC-D2MV20-7 MV8433N	84" TO 82.4"		677
NAVION						
NAVION A	A782	CONTINENTAL E-185-3, -9 205 HP @ 2600 RPM	not procurable	84" TO 82.4"		1569

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NAVION NAVION A	A782	CONTINENTAL E-185-3, -9 205 HP @ 2600 RPM	not procurable	84" TO 82.4"		1568
NAVION NAVION A	A782	CONTINENTAL E-185-3, -9 205 HP @ 2600 RPM	HC-D2X20-7, HC-D2X20-8 8433	84" TO 82.4"		2211
NAVION NAVION A	A782	CONTINENTAL E-185-3, -9 205 HP @ 2600 RPM	HC-D2V20-7, HC-D2V20-8 V8433 V8433N	84" TO 82.4"		2212
NAVION NAVION A	A782	CONTINENTAL E-185-3, -9 205 HP @ 2600 RPM	HC-D2MV20-(7,8) MV8433N	84" TO 82.4"		682
NAVION NAVION B	A782	LYCOMING GO-435-C2 260 HP @ 2182 RPM	HC-D2MV20-8 MV9333N	93" TO 91.2"	D-164	684
NAVION NAVION B	A782	LYCOMING GO-435-C2 260 HP @ 2182 RPM	HC-D3MV20-8D MV8433N	84.6" TO 84.0"		685
NAVION B	STC-SA752WE DELUCA OF CALIFORNIA	LYCOMING GO-480-B1D 270 HP @ 2182 RPM	HC-83X20-2C1 MV9333N-3	90"	835-10S	690
NAVY N3N-3	STC-SA4-1313 WEST COAST PROP	PRATT & WHITNEY R985 450 HP @ 2300 RPM	HA-B3Z30-1 10160-6 10160N-6	95.5"	836-16R	692
NEICO see LANCAIR		HP @ RPM				693
NEIVA L-42 REGENTE	NA	CONTINENTAL IO-360-D 210 HP @ 2800 RPM	BHC-C2YF-1BF F7663	80"	835-23	312
NEW GLASAIR/NEW GLASTAR SPORTSMAN 2+2	Experimental	LYCOMING IO-360-A1F6 180 HP @ 2700 RPM	HC-C2YR-1BF F8477-4	80"		1984

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NEW GLASAIR/NEW GLASTAR GS-1 GLASTAR	Experimental	LYCOMING IO-360-B1B 180 HP @ 2700 RPM	HC-F2YR-1F F8477-4	80"	836-60 836-60P C-3568 C-3568-P	1960
NEW GLASAIR/NEW GLASTAR GS-1 GLASTAR	Experimental	LYCOMING IO-360-B1B 180 HP @ 2700 RPM	HC-C2YR-1BF F8477-4	80	836-60 836-60P C-3568 C-3568-P	2480
NOMAD see AEROSPACE TECHNOLOGIES		HP @ RPM				694
NORD 262 FRAKES MOHAWK (FRAKES)	STC-SA2369SW FRAKES	PRATT & WHITNEY PT6A-45A 1120 HP @ 1700 RPM	HC-B5MP-3(A) M10282A+6 M10282AB+6 M10282AN+6 M10282ANB+6	111.3" TO 111.0"	D-3434-8P	695
NORMAN AEROPLANE NAC 6 FIELDMASTER	Unknown	PRATT & WHITNEY PT6A-34AG 750 HP @ 2200 RPM	HC-B3TN-3 T10282+4 T10282N+4	106.5"	C-3065	698
NORMAN AEROPLANE NAC 6-65 FIELDMASTER	Unknown AERO NOR TEC	PRATT & WHITNEY PT6A-65AG 1230 HP @ 1700 RPM	HC-B5MP-3C M10876A M10876AN M10876ANS	111.0" TO 110.7"	D-3434-8 D-3434-8P	699
NUVENTURE VENTURE	Experimental	CONTINENTAL IO-550-N6B 310 HP @ 2700 RPM	BHC-C2YF-1BF F7694D-6T	70"	A-2295-P	1831
OSPREY AIRCRAFT GP4	Experimental	LYCOMING IO-360-A1A 200 HP @ 2700 RPM	HC-M2YR-1BF F7666A-2	74"	C-3568 C-3568-P	1201
PACIFIC AEROSPACE 750XL P-750 XSTOL	A50CE	Pratt & Whitney PT6A-34 750 HP @ 2000 RPM	HC-E4N-3P D9900	100" Minimum	D-630-3 D-630-3P	2934

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PACIFIC AEROSPACE CT4A, CT4B	Unknown	CONTINENTAL IO-360-D, -H, -HB 210 HP @ 2800 RPM	BHC-C2YF-1BF F7663	76"	835-23 835-44	701
PACIFIC AEROSPACE CT4E	Unknown	LYCOMING AEIO-540-L1B5 300 HP @ 2700 RPM	HC-C3YR-4BF FC7663-2R*1	76"	D-5205	700
PACIFIC AEROSPACE (FLETCHER) FU-24 CRESCO 08-600	A-11 (NZ)	PRATT & WHITNEY PT6A-34 Ag 750 HP @ 2200 RPM	HC-B3TN-3D T10282N	102.0"	C-3065	707
PACIFIC AEROSPACE (FLETCHER) FU-24, FU-24A	4A12	CONTINENTAL O-470-M, -N 240 HP @ 2610 RPM	BHC-92ZF-1D1 8847 8847N	88" NO CUT OFF	835-13 837-3 837-4	703
PACIFIC AEROSPACE (FLETCHER) FU-24, FU-24A	4A12	CONTINENTAL O-470-E 225 HP @ 2600 RPM	HC-A2MVF-1A MV8833N	88" TO 86"	835-13	702
PACIFIC AEROSPACE (FLETCHER) FU-24-950	Unknown	LYCOMING IO-720-A1A 400 HP @ 2650 RPM	HC-C3YR-1RF F8475R	86" TO 80"	835-36	705
PACIFIC AEROSPACE (FLETCHER) FU-24-950, -954	Unknown	LYCOMING IO-720-A1A, A1B 400 HP @ 2650 RPM	HC-C3YR-1RF F8483 F8483-2Q	86" TO 80"	835-36	706
PACIFIC AEROSPACE (FLETCHER) FU-24-954, FU-24A-954	A9PC	LYCOMING IO-720-A1A, -A1B 400 HP @ 2650 RPM	HC-C3YR-1RF F8475 F8475R	86" TO 84"		704
PACIFIC AEROSPACE LTD. 750XL P-750 XSTOL	A50CE	PRATT & WHITNEY PT6A-34 750 HP @ 2200 RPM	HC-B3TN-3D T10282NS+4	106" minimum	C-3065-1 C-3065-1P	1743
PAKISTAN AERONAUTICAL MUSHSHAK see AMF PAKISTON		HP @ RPM				708
PERFORMANCE AIRCRAFT FORMULA GT	Experimental	LYCOMING IO-540 SERIES 300 HP @ 2700 RPM	HC-C2YK-1BF F8475J-4	78" TO 80"		1765

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PIAGGIO P-136-L1 ROYAL GULL	A813	LYCOMING GO-480-B, -B1B, -B1D 270 HP @ 2182 RPM	HC-83X20-2L, HC-A3X20-2L, HC-83X20-2CL	84.6" TO 84"	835-11S	2220
PIAGGIO P-136-L1 ROYAL GULL	A813	LYCOMING GO-480-B, -B1B, -B1D 270 HP @ 2182 RPM	HC-83V20-2L, HC-A3V20-2L, HC-83V20-2CL LV8433N	84.6" TO 84"	835-11S	2221
PIAGGIO P-136-L1 ROYAL GULL	A813	LYCOMING GO-480-B, -B1B, -B1D 270 HP @ 2182 RPM	HC-A3MV20-2L LMV8433N	84.6" TO 84"	835-11S	712
PIAGGIO P-136-L1 ROYAL GULL	Unknown	LYCOMING GO-480-G1D6 HP @ RPM	HC-A3X20-2L			2390
PIAGGIO P-136-L1 ROYAL GULL	Unknown	LYCOMING GO-480-G1D6 HP @ RPM	HC-A3V20-2L LV8433N			2391
PIAGGIO P-136-L2 ROYAL GULL	A-813	LYCOMING GSO-480-A1A6 340 HP @ 2182 RPM	HC-83X20-2CL, HC-83X20-2L, HC-A3X20-2L	88" TO 87"	835-11S	2222
PIAGGIO P-136-L2 ROYAL GULL	A-813	LYCOMING GSO-480-A1A6 340 HP @ 2182 RPM	HC-A3V20-2CL, HC-A3V20-2L LV9333N LV9333N-5	88" TO 87"	835-11S	2318
PIAGGIO P-136-L2 ROYAL GULL	A-813	LYCOMING GSO-480-A1A6 340 HP @ 2182 RPM	HC-A3MV20-2L LMV9333N-5	88" TO 87"	835-11S	713
PIAGGIO P-136-L2 ROYAL GULL	SA5944NM	LYCOMING GSO-480-B2C6 HP @ RPM	HC-A3VF-5AL LV9333N-5			2392
PIAGGIO P-136-L2 ROYAL GULL	Unknown	LYCOMING GSO-480-B2C6 340 HP @ 2182 RPM	HC-83XF-3AL	88" TO 87"	835-39	2304
PIAGGIO P-136-L2 ROYAL GULL	Unknown	LYCOMING GSO-480-B2C6 340 HP @ 2182 RPM	HC-A3MVF-5AL LMV9333N-5	88" TO 87"	835-39	1582

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PIAGGIO P-149D	German HOFFMANN	LYCOMING GO-480-G1A6,-G1D6, IGO-480-A1B6 295 HP @ 2182 RPM	HC-83V20-1F, HC-A3V20-1F V9333C-3 V9333N-3	90.625"	837-17	2223
PIAGGIO P-149D	German HOFFMANN	LYCOMING GO-480-G1A6,-G1D6, IGO-480-A1B6 295 HP @ 2182 RPM	HC-A3MV20-1F MV9333N-3	90.625"	837-17	714
PIAGGIO P-149D	Unknown HOFFMANN	LYCOMING GO-480-B1A6 270 HP @ 2182 RPM	HC-83X20-1D, HC-A3X20-1D 8433		837-17	2295
PIAGGIO P-149D	Unknown HOFFMANN	LYCOMING GO-480-B1A6 270 HP @ 2182 RPM	HC-83V20-1D, HC-A3V20-1D V8433 V8433N		837-17	2296
PIAGGIO P-149D	Unknown HOFFMANN	LYCOMING GO-480-B1A6 270 HP @ 2182 RPM	HC-A3MV20-1D MV8433N		837-17	1054
PIAGGIO P.166 DP1 ROYAL GULL	EASA A.384	PRATT&WHITNEY PT6A-121 615 HP @ 1900 RPM	HC-B3TN-3DL LT10282-9.5R LT10282N-9.5R	93.0" - 91.0"	D-6929	1644
PIAGGIO P-166 ROYAL GULL	7A4	LYCOMING GSO-480-B1C6 340 HP @ 2182 RPM	HC-A3X20-2CL, HC-83X20-2CL	93.6" TO 92"	835-11S	2224
PIAGGIO P-166 ROYAL GULL	7A4	LYCOMING GSO-480-B1C6 340 HP @ 2182 RPM	HC-83V20-2CL LV9333N	93.6" TO 92"	835-11S	2319
PIAGGIO P-166 ROYAL GULL	7A4	LYCOMING GSO-480-B1C6 340 HP @ 2182 RPM	HC-A3MV20-2L LMV9333N	93.6" TO 92"	835-11S	715
PIAGGIO P-166 ROYAL GULL	Unknown	LYCOMING GSO-480 340 HP @ 2182 RPM	HC-83VF-5AL, HC-A3VF-5AL			2225
PIAGGIO P-166 ROYAL GULL	Unknown	LYCOMING GSO-480 340 HP @ 2182 RPM	HC-A3MVF-5AL LMV9333N-5			717

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PIAGGIO P-166B, C ROYAL GULL	7A4	LYCOMING IGSO-540-A1C 380 HP @ 2182 RPM	HC-B3Z30-2BL L10151-8 L10151N-8	93.5" TO 92"	836-32SPRL	716
PIAGGIO P.166 DL3 ROYAL GULL	7A4, EASA A.384	LYCOMING LTP-101-600, -600A-1, -600A-1A 599 HP @ 1950 RPM	HC-B3TN-3DL LT10282-9.5R LT10282N-9.5R	93.0" TO 91.0"	D-4033-L	718
PIAGGIO P-180 (left side) AVANTI	A59EU	PRATT & WHITNEY PT6A-66 CTR-ROTATING 850 HP @ 2000 RPM	HC-E5N-3 HE8218	85" TO 84.5"	D-5527 D-5527-1 D-5527-1P D-5527-P	719
PIAGGIO P-180 (right side) AVANTI	A59EU	PRATT & WHITNEY PT6A-66 850 HP @ 2000 RPM	HC-E5N-3L LE8218	85" TO 84.5"	D-5527-1L D-5527-1LP D-5527L D-5527-LP	720
PIAGGIO P-180 (left side) AVANTI	A59EU	PRATT & WHITNEY PT6A-66 CTR-ROTATING 850 HP @ 2000 RPM	HC-E5N-3A HE8218 HE8218*1	85" TO 84.5"	D-5527-1 D-5527-1P	1189
PIAGGIO P-180 (right side) AVANTI	A59EU	PRATT & WHITNEY PT6A-66 850 HP @ 2000 RPM	HC-E5N-3AL LE8218	85" TO 84.5"	D-5527-1L D-5527-1LP	1190
PILATUS PC-6/350; PC-6/350-H1, -H2 PORTER	7A15	LYCOMING IGO-540-A1A 350 HP @ 2182 RPM	HC-B3W30-2B W9349N+.5	93.5" NO CUT OFF	836-32SPR	3236
PILATUS PC-3	Unknown	LYCOMING GO-435-C2A 260 HP @ 2182 RPM	HC-83X20-2A, HC-A3X20-2, HC-A3X20-2A 8433	84.6"	835-10S	2226
PILATUS PC-3	Unknown	LYCOMING GO-435-C2A 260 HP @ 2182 RPM	HC-83V20-2A, HC-A3V20-2, HC-A3V20-2A V8433 V8433N	84.6"	835-10S	2227

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PILATUS PC-3	Unknown	LYCOMING GO-435-C2A 260 HP @ 2182 RPM	HC-A3MV20-2 MV8433N	84.6"	835-10S	721
PILATUS PC-4	Unknown	LYCOMING GO-435-C2A HP @ RPM	HC-A3X20-2 8433			2393
PILATUS PC-4	Unknown	LYCOMING GO-435-C2A HP @ RPM	HC-A3V20-2 V8433 V8433N			2394
PILATUS PC-6; PC-6-H1, -H2 PORTER	7A15	LYCOMING GSO-480-B1A6 340 HP @ 2182 RPM	HC-83X20-1, HC-83X20-1B, HC- A3X20-1B 9333C	93.6" TO 88"	836-15	2228
PILATUS PC-6; PC-6-H1, -H2 PORTER	7A15	LYCOMING GSO-480-B1A6 340 HP @ 2182 RPM	HC-83X20-1D, HC-A3X20-1D 9333C	93.6" TO 88"	836-15	2229
PILATUS PC-6; PC-6-H1, -H2 PORTER	7A15	LYCOMING GSO-480-B1A6 340 HP @ 2182 RPM	HC-A3MV20-1B, 1D MV9333N	93.6" TO 88"	836-15	722
PILATUS PC-6; PC-6-H1, -H2 PORTER	7A15	LYCOMING GSO-480-B1A6 340 HP @ 2182 RPM	HC-83V20-1D, HC-A3V20-1D V9333C V9333N	93.6" TO 88"	836-15	2231
PILATUS PC-6; PC-6-H1, -H2 PORTER	7A15	LYCOMING GSO-480-B1A6 340 HP @ 2182 RPM	HC-83V20-1, HC-83V20-1B, HC- A3V20-1B V9333C V9333N	93.6" TO 88"	836-15	2230
PILATUS PC-6/350; PC-6/350-H1, -H2 PORTER	7A15	LYCOMING IGO-540-A1A 350 HP @ 2182 RPM	HC-B3Z30-2B 9349N+1/2	93.5" NO CUT OFF	836-32SPR	723
PILATUS PC-6/A-H2 TURBO PORTER	STC-SA273EA STYLES AVIATION	PRATT & WHITNEY PT6A HP @ RPM	HC-B3TN-3B T10173N	101.5"	C-3065 C-3065-P	728
PILATUS PC-6/B-H2, PC-6/B1-H2 TURBO PORTER	7A15	PRATT & WHITNEY PT6A-6A, -20 550 HP @ 2200 RPM	HC-B3TN-3C T10173C	101.5" TO 99"	C-3065 C-3065-P	724

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PILATUS PC-6/B2-H2 TURBO PORTER	7A15	PRATT & WHITNEY PT6A-27 550 HP @ 2200 RPM	HC-B3TN-3D T10173C T10173CK T10173CN T10173CNK T10178C T10178CK T10178CN	101.5" TO 99"	C-3065 C-3065-P	725
PILATUS PC-6/B2-H4 TURBO PORTER	7A15	PRATT & WHITNEY PT6A-27 550 HP @ 2000 RPM	HC-B3TN-3D T10178CNR T10178CNRK T10178CR	101.5" TO 99"	C-3065 C-3065-P	1839
PILATUS PC-6/B,B1-H2 TURBO PORTER	STC-SA614EA STYLES AVIATION	PRATT & WHITNEY PT6A-27 680 HP @ 2200 RPM	HC-B3TN-3D T10178C	101.5"	C-3065 C-3065-P	731
PILATUS PC-6/B1-H2, /B2-H2, /B2-H4 TURBO PORTER	STC-SA377CH HARTZELL PROPELLER	PRATT & WHITNEY PT6A-20, -27, B2-H2 & B2-H4 550 HP @ 2200 RPM	HC-D4N-3P D9511F D9511F*2 D9511FK*3	96.0" TO 95.0"	D-630-P	1161
PILATUS PC-6/B1-H2 TURBO PORTER	STC-SA545EA STYLES AVIATION	HP @ RPM	HC-B3TN-3D T10178C	101.5"	C-3065 C-3065-P	730
PILATUS PC-6/C-H2 TURBO PORTER	7A15	GARRETT TPE331-25D 575 HP @ 2000 RPM	HC-B3TN-5C T10178C T10178CN	101.5" TO 99"	C-3043-1P	726
PILATUS PC-6/C1-H2 TURBO PORTER	7A15	GARRETT TPE331-1-100 575 HP @ 2000 RPM	HC-B3TN-5C T10178C T10178CN T10178CNR T10178CR	101.5" TO 99"	C-3043-1P	727

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PILATUS PC-6/A,C-H2 TURBO PORTER	STC-SA368EA STYLES AVIATION	GARRETT TPE331-25D, -25DA, -250B, -71 575 HP @ 2000 RPM	HC-B3TN-5C T10178C T10178CN	101.5"	C-3043-1	729
PILATUS PC-7 TURBO TRAINER	A50EU	PRATT & WHITNEY PT6A-25A 550 HP @ 2200 RPM	HC-B3TN-2(F) T10173C-8 T10173CK-8 T10173CN-8	93.5" TO 92 3/8"	C-3065 C-3065-P D-5203-P	732
PILATUS PC-7 TURBO TRAINER	STC-SA8323SW SIERRA IND.	PRATT & WHITNEY PT6A-25C 750 HP @ 2200 RPM	HC-B3TN-2 T10178-8R T10178N-8R	93.5" TO 91.0"	C-3065-P	733
PILATUS PC-7 MKII TURBO TRAINER	Unknown	PRATT & WHITNEY PT6A-25C 700 HP @ 2040 RPM	HC-D4N-2D D9512A D9512AK	96.0" TO 95.0"	D-630-1	1194
PILATUS PC-7 MKII TURBO TRAINER	Unknown	PRATT & WHITNEY PT6A-25C 700 HP @ 2040 RPM	HC-D4N-2E D9512A	96.0" TO 95.0"	D-630-1 D-630-1P	1448
PILATUS PC-9	Unknown	PRATT & WHITNEY PT6A-62 950 HP @ 2000 RPM	HC-D4N-2A D9512A D9512AK	96" TO 95"	D-630-1P	734
PILATUS PC-9	Unknown	PRATT & WHITNEY PT6A-62 950 HP @ 2000 RPM	HC-D4N-2AA D9512AEK	96" TO 95"	D-630-1P	1451
PILATUS PC-12	A78EU	PRATT & WHITNEY PT6A-67B 1200 HP @ 1700 RPM	HC-E4A-3D E10477K E10477K*1	105.0" TO 104.0"	D-5500-1 D-5500-1F D-5500-1P	735
PILATUS PC-12/47E	A78EU	PRATT & WHITNEY PT6A-67P 1200 HP @ 1700 RPM	HC-E4A-3D E10477SK	105.0" TO 104.0"	D-5500-1 D-5500-1F D-5500-1P	2667

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PILATUS PC-21	Unknown	PRATT & WHITNEY PT6A-68B 1600 HP @ 2000 RPM	HC-E5A-2 E9193B E9193K	94	E-7480	2452
PINE AIR see KWAD		HP @ RPM				736
PIPER PA-31T, T1 CHEYENNE	SA00863SE Blackhawk Modifications, Inc.	Pratt & Whitney PT6A-135, -135A 620 HP @ 1900 RPM	HC-B3TN-3B T10178B-8R	93.5		2833
PIPER PA-36-285, PA-36-300 Brave	SA1291CE Clinton R. Anderson	Lycoming IO-720-A1B 400 HP @ 2650 RPM	HC-C3YR-1RF F8475R	86" to 80"	C-3552-1	3216
PIPER PA-36-300 Brave	STC SVA 529 Tapp's Aviation Pty Ltd.	Lycoming IO-540-K1G5 300 HP @ 2700 RPM	HC-C2YR-1BF F8475T+2	86" no cut off	835-23 835-23P	3252
PIPER PA-14 FAMILY CRUISER	STC-SA196SW JB SIMPSON	LYCOMING O-235-C1 115 HP @ 2800 RPM	HC-82VL-6F, HC-A2VL-6F V7636D-4	72.2"	835-30 835-6P	2232
PIPER PA-14 FAMILY CRUISER	STC-SA196SW JB SIMPSON	LYCOMING O-235-C1 115 HP @ 2800 RPM	HC-A2MVL-6F MV7636N-4	72.2"	835-30 835-6P	738
PIPER PA-18 SUPER CUB	STO1919CH PROFESSIONAL PILOTS, INC	LYCOMING O-320-B2B 160 HP @ 2700 RPM	HC-C2YL-1BF F8468A-4	76"	A-4203-P	2482
PIPER PA-18 SUPER CUB	STO1919CH PROFESSIONAL PILOTS	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YR-1BF F8477-4	80" TO 78"	C-3568-P	2038
PIPER PA-18A-150 SUPER CUB	STC-SA4-254 ELLEN BELLOTI	LYCOMING O-320-A2A, -A2B 150 HP @ 2700 RPM	HC-82VL-6F, HC-A2VL-6F V7636D-4	72.2"	835-30 835-6P	2235
PIPER PA-18A-150 SUPER CUB	STC-SA4-254 ELLEN BELLOTI	LYCOMING O-320-A2A, -A2B 150 HP @ 2700 RPM	HC-A2MVL-6F MV7636N-4	72.2"	835-30 835-6P	742

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PIPER PA-18(A)(S)-150 SUPER CUB	STC-SA284AL BACHNERS A/C	LYCOMING O-320 150 HP @ 2700 RPM	HC-C2YL-1B F7663-4	72"		740
PIPER PA-18(A)(S)-150 SUPER CUB	STC-SA284AL BACHNERS A/C	LYCOMING O-320-A2A, -A2A 150 HP @ 2700 RPM	HC-A2XL-1 HC-A2XL-2, HC-A2XL-6 7636-4 7636D-4	72.2"		2233
PIPER PA-18(A)(S)-150 SUPER CUB	STC-SA284AL BACHNERS A/C	LYCOMING O-320-A2A, -A2A 150 HP @ 2700 RPM	HC-A2VL-1, HC-A2VL-2, HC-A2VL-6 V7636D-4 V7636N-4	72.2"		2234
PIPER PA-18(A)(S)-150 SUPER CUB	STC-SA284AL BACHNERS A/C	LYCOMING O-320-A2A, -A2A 150 HP @ 2700 RPM	HC-A2MVL-1,-6F MV7636N-4	72.2"		739
PIPER PA-18(A)(S)-150 SUPER CUB	STC-SA4-1143 WESTERN COMMANDER	LYCOMING O-320-A3B 150 HP @ 2700 RPM	HC-A2MVL-6F MV7636N-2	74.2"	835-30 835-6P	741
PIPER PA-22-150, PA-22S-150 TRIPACER	1A6	LYCOMING O-320-A1A, -A1B 150 HP @ 2700 RPM	HC-A2MVL-6F MV7636N-4	72.2" TO 70"	835-30 835-6	743
PIPER PA-23 APACHE	1A10	LYCOMING O-320-A(1,3)(A,B) 150 HP @ 2700 RPM	HC-82XL-2, HC-A2XL-2 7636D	76.2" TO 74.5"	835-30	2236
PIPER PA-23 APACHE	1A10	LYCOMING O-320-A(1,3)(A,B) 150 HP @ 2700 RPM	HC-82XL-2, HC-A2XL-2 7636-4 7636D-4	72.2" TO 70"	835-30	2237
PIPER PA-23 APACHE	1A10	LYCOMING O-320-A(1,3)(A,B) 150 HP @ 2700 RPM	HC-82VL-2, HC-A2VL-2 V7636D-4 V7636N-4	72.2" TO 70"	835-30	2238
PIPER PA-23 APACHE	1A10	LYCOMING O-320-A(1,3)(A,B) 150 HP @ 2700 RPM	HC-A2VL-2 V7636 V7636N	76.2" TO 74.5"	835-30	2320
PIPER PA-23 APACHE	1A10	LYCOMING O-320-A(1,3)(A,B) 150 HP @ 2700 RPM	HC-A2MVL-2 MV7636N	76.2" TO 74.5"	835-30	744

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PIPER PA-23 APACHE	1A10	LYCOMING O-320-A(1,3)(A,B) 150 HP @ 2700 RPM	HC-A2MVL-2 MV7636N-4	72.2" TO 70"	835-30	745
PIPER PA-23 APACHE	STC-SA00721CH HARTZELL PROPELLER	LYCOMING O-320 160 HP @ 2700 RPM	HC-C2YL-2CUF FC7663-4*2	72" TO 71"	836-29 836-29P	1202
PIPER PA-23 APACHE	STC-SA1-6 HARTZELL PROPELLER	LYCOMING O-320-A1A, -A1B, -A3A, -A3B 150 HP @ 2700 RPM	HC-82XL-2, HC-A2XL-2 7636-4 7636D-4	72.2" TO 70"	835-30	2252
PIPER PA-23 APACHE	STC-SA1-6 HARTZELL PROPELLER	LYCOMING O-320-A1A, -A1B, -A3A, -A3B 150 HP @ 2700 RPM	HC-82VL-2, HC-A2VL-2 V7636D-4 V7636N-4	72.2" TO 70"	835-30	2253
PIPER PA-23 APACHE	STC-SA1-6 HARTZELL PROPELLER	LYCOMING O-320-A1A, -A1B, -A3A, -A3B 150 HP @ 2700 RPM	HC-A2MVL-2 MV7636N-4	72.2" TO 70"	835-30	755
PIPER PA-23 SERIES APACHE	STC-SA2-1088 TW SMITH INC	LYCOMING O-320-B3B 160 HP @ 2700 RPM	HC-82XL-2, HC-A2XL-2, HC-82XL-2B 7636-4 7636D-4	72.2" TO 70"	835-30	2254
PIPER PA-23 SERIES APACHE	STC-SA2-1088 TW SMITH INC	LYCOMING O-320-B3B 160 HP @ 2700 RPM	HC-82VL-2, HC-A2VL-2, HC-82VL-2B V7636D-4 V7636N-4	72.2" TO 70"	835-30	2255
PIPER PA-23 SERIES APACHE	STC-SA2-1088 TW SMITH INC	LYCOMING O-320-B3B 160 HP @ 2700 RPM	HC-A2MVL-2 MV7636N-4	72.2" TO 70"	835-30	756
PIPER PA-23 APACHE	STC-SA4-783 McKENZIE FLYING SERVICE	LYCOMING O-340-A1A 160 HP @ 2700 RPM	HC-82XL-2, HC-A2XL-2, HC-82XL-2C 7636D 8433-12	72.2", 76.2"	835-30	2256
PIPER PA-23 APACHE	STC-SA4-783 McKENZIE FLYING SERVICE	LYCOMING O-340-A1A 160 HP @ 2700 RPM	HC-A2VL-2, HC-82VL-2C V7636 V7636N V8433N-12	72.2", 76.2"	835-30	2322

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PIPER PA-23 APACHE	STC-SA4-783 McKENZIE FLYING SERVICE	LYCOMING O-340-A1A 160 HP @ 2700 RPM	HC-A2MVL-2 MV7636N MV8433N-12	72.2", 76.2"	835-30	757
PIPER PA-23 APACHE	STC-SA3-728/SA29CE JACKSON M. REED	LYCOMING O-360-A1D 180 HP @ 2700 RPM	HC-92ZK-2B 8447-12A 8447N-12A	71.6"	835-30	762
PIPER PA-23 APACHE	STC-SA3-728/SA29CE Jackson M. Reed	LYCOMING O-360-A1D 180 HP @ 2700 RPM	HC-C2YK-2RBF F7666-4	72"		761
PIPER PA-23 APACHE	STC-SA285CE KWAD CO.	LYCOMING IO-360-B1B 200 HP @ 2700 RPM	HC-C2YK-2RBF F7666A-2	74"	835-21	760
PIPER PA-23 APACHE	STC-SA1306SW JW MILLER AVIATION	LYCOMING IO-360-C1C 200 HP @ 2700 RPM	HC-C2YK-2CF FC7666A-4*1	72"	836-29	758
PIPER PA-23-160 APACHE	1A10	LYCOMING O-320-(B,C)(1,3)(A,B) 160 HP @ 2700 RPM	HC-82XL-2, HC-A2XL-2 7636D	76.2" TO 74.5"	835-30	2239
PIPER PA-23-160 APACHE	1A10	LYCOMING O-320-(B,C)(1,3)(A,B) 160 HP @ 2700 RPM	HC-82XL-2, HC-A2XL-2 7636-4 7636D-4	72.2" TO 70"	835-30	2240
PIPER PA-23-160 APACHE	1A10	LYCOMING O-320-(B,C)(1,3)(A,B) 160 HP @ 2700 RPM	HC-82VL-2, HC-A2VL-2 V7636D-4 V7636N-4	72.2" TO 70"	835-30	2241
PIPER PA-23-160 APACHE	1A10	LYCOMING O-320-(B,C)(1,3)(A,B) 160 HP @ 2700 RPM	HC-A2VL-2 V7636 V7636N	76.2" TO 74.5"	835-30	2321
PIPER PA-23-160 APACHE	1A10	LYCOMING O-320-(B,C)(1,3)(A,B) 160 HP @ 2700 RPM	HC-A2MVL-2 MV7636N	76.2" TO 74.5"	835-30	746
PIPER PA-23-160 APACHE	1A10	LYCOMING O-320-(B,C)(1,3)(A,B) 160 HP @ 2700 RPM	HC-A2MVL-2 MV7636N-4	72.2" TO 70"	835-30	747

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PIPER PA-23, PA-23-160 APACHE	SA899SW APACHE MODIFICATION AIRCRAFT	LYCOMING O-360-A1D 180 HP @ 2700 RPM	HC-C2YK-2RB(F) F7666A-2	74"	835-21 835-21P	2666
PIPER PA-23, PA-23-160 APACHE	STC-SA1-5 HARTZELL PROPELLER	LYCOMING O-320-A(1,3)(A,B)-150hp 150 HP @ 2700 RPM	HC-A2XL-2, HC-82XL-2, HCA2SL-2C, HC-82XL-2C 7636-4 7636D-4	72.2" TO 70"	835-30	2248
PIPER PA-23, PA-23-160 APACHE	STC-SA1-5 HARTZELL PROPELLER	LYCOMING O-320-A(1,3)(A,B)-150hp 150 HP @ 2700 RPM	HC-A2VL-2, HC-82VL-2, HC-A2VL- 2C, HC-82VL-2C V7636D-4 V7636N-4	72.2" TO 70"	835-30	2249
PIPER PA-23, PA-23-160 APACHE	STC-SA1-5 HARTZELL PROPELLER	LYCOMING O-320-A(1,3)(A,B)-150hp 150 HP @ 2700 RPM	HC-A2MVL-2 MV7636N-4	72.2" TO 70"	835-30	753
PIPER PA-23, PA-23-160 APACHE	STC-SA1-5 HARTZELL PROPELLER	LYCOMING O-320-(B,C)(1,3)(A,B) 160 HP @ 2700 RPM	HC-A2XL-2, HC-82XL-2 7636-4 7636D-4	72.2" TO 70"	835-30	2250
PIPER PA-23, PA-23-160 APACHE	STC-SA1-5 HARTZELL PROPELLER	LYCOMING O-320-(B,C)(1,3)(A,B) 160 HP @ 2700 RPM	HC-A2VL-2, HC-82VL-2 V7636D-4 V7636N-4	72.2" TO 70"	835-30	2251
PIPER PA-23, PA-23-160 APACHE	STC-SA1-5 HARTZELL PROPELLER	LYCOMING O-320-(B,C)(1,3)(A,B) 160 HP @ 2700 RPM	HC-A2MVL-2 MV7636N-4	72.2" TO 70"	835-30	754
PIPER PA-23-160 APACHE	STC-SA395WE MET-CO-AIR	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-2RBF F7666A-2	74"	836-29 836-29P	763
PIPER PA-23, PA-23-160 APACHE	STC-SA899SW APACHE MODIFICATION AIRCRAFT	LYCOMING O-360-A1D 180 HP @ 2700 RPM	HC-C2YK-2CUF FC7666A-2*2	74" TO 72"	836-29 836-29P	1492
PIPER PA-23-160 APACHE	STC-SA1306SW JW MILLER AV.	LYCOMING IO-360-C1C 200 HP @ 2700 RPM	HC-C2YK-2CF FC7666A-4*1	72"	836-29	759

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PIPER PA-23-235 APACHE	1A10	LYCOMING O-540-B1A5 235 HP @ 2575 RPM	HC-82XK-2, HC-A2XK-2 8433-10	74.2" TO 73"		2242
PIPER PA-23-235 APACHE	1A10	LYCOMING O-540-B1A5 235 HP @ 2575 RPM	HC-82VK-2, HC-A2VK-2 V8433-10 V8433N-10	74.2" TO 73"		2243
PIPER PA-23-235 APACHE	1A10	LYCOMING O-540-B1A5 235 HP @ 2575 RPM	HC-A2MVK-2 MV8433N-10	74.2" TO 73"		748
PIPER PA-23-235, 250 AZTEC	STC-SA495CE ROBERT WILLIAMS	LYCOMING O-540-A1B5, -A1D5, -A3D5 250 HP @ 2575 RPM	HC-83XK-2B, HC-A3XK-2B 7636-4 7636D-4	72.2" TO 70"	C-2513-2	2263
PIPER PA-23-235, 250 AZTEC	STC-SA495CE ROBERT WILLIAMS	LYCOMING O-540-A1B5, -A1D5, -A3D5 250 HP @ 2575 RPM	HC-83VK-2B, HC-A3VK-2B V7636D-4 V7636N-4	72.2" TO 70"	C-2513-2	2264
PIPER PA-23-235, 250 AZTEC	STC-SA495CE ROBERT WILLIAMS	LYCOMING O-540-A1B5, -A1D5, -A3D5 250 HP @ 2575 RPM	HC-A3MVK-2B MV7636N-4	72.2" TO 70"	C-2513-2	771
PIPER PA-23-235, 250 AZTEC	STC-SA495CE ROBERT WILLIAMS	LYCOMING O-540-B1A5 235 HP @ 2575 RPM	HC-83XK-2B, HC-A3XK-2B 7636-4 7636D-4	72.2" TO 70"	C-2513-2	2261
PIPER PA-23-235, 250 AZTEC	STC-SA495CE ROBERT WILLIAMS	LYCOMING O-540-B1A5 235 HP @ 2575 RPM	HC-83VK-2B, HC-A3VK-2B V7636D-4 V7636N-4	72.2" TO 70"	C-2513-2	2262
PIPER PA-23-235, 250 AZTEC	STC-SA495CE ROBERT WILLIAMS	LYCOMING O-540-B1A5 235 HP @ 2575 RPM	HC-A3MVK-2B MV7636N-4	72.2" TO 70"	C-2513-2	770
PIPER PA-23-250, PA-E23-250 AZTEC	1A10	LYCOMING IO-540-C4B5 250 HP @ 2575 RPM	HC-E2YR-2RBSF F8465-7R F8465B-7R	77.0" TO 76.0"		751

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PIPER PA-23-250, PA-E23-250 AZTEC	1A10	LYCOMING TIO-540-C1A 250 HP @ 2575 RPM	HC-E2YR-2RBSF F8465-7R F8465B-7R F8465B-7R*1	77" TO 76"		752
PIPER PA-23-250; SN<27-2000 AZTEC	1A10	LYCOMING IO-540-C(1,4)B5, O-540-A(1,3)(B,D)5 250 HP @ 2575 RPM	HC-82XK-2, HC-A2XK-2 8433-10	74.2" TO 73"		2244
PIPER PA-23-250; SN<27-2505 AZTEC	1A10	LYCOMING IO-540-C(1,4)B5, O-540-A(1,3)(B,D)5 250 HP @ 2575 RPM	HC-82XK-2C1, HC-A2XK-2 8433-10	74.2" TO 73"		2246
PIPER PA-23-250; SN<27-2000 AZTEC	1A10	LYCOMING IO-540-C(1,4)B5, O-540-A(1,3)(B,D)5 250 HP @ 2575 RPM	HC-82VK-2, HC-A2VK-2 V8433-10 V8433NB-10	74.2" TO 73"		2245
PIPER PA-23-250; SN<27-2505 AZTEC	1A10	LYCOMING IO-540-C(1,4)B5, O-540-A(1,3)(B,D)5 250 HP @ 2575 RPM	HC-82VK-2C1, HC-A2VK-2 V8433-10	74.2" TO 73"		2247
PIPER PA-23-250; SN<27-2000 AZTEC	1A10	LYCOMING IO-540-C(1,4)B5, O-540-A(1,3)(B,D)5 250 HP @ 2575 RPM	HC-A2MVK-2 MV8433NB-10	74.2" TO 73"		749
PIPER PA-23-250; SN<27-2505 AZTEC	1A10	LYCOMING IO-540-C(1,4)B5, O-540-A(1,3)(B,D)5 250 HP @ 2575 RPM	HC-A2MVK-2 MV8433N-10	74.2" TO 73"		750
PIPER PA-(E)23-250 AZTEC	STC-SA164CE KWAD CO.	LYCOMING O-540-A1B5, -A3D5, -A1D5 250 HP @ 2575 RPM	HC-83XK-2B, HC-A3XK-2B 7636-4 7636D-4	72.6"	C-2513-2	2257
PIPER PA-(E)23-250 AZTEC	STC-SA164CE KWAD CO.	LYCOMING O-540-A1B5, -A3D5, -A1D5 250 HP @ 2575 RPM	HC-83VK-2B, HC-A3VK-2B V7636D-4 V7636N-4	72.6"	C-2513-2	2258
PIPER PA-23-250 AZTEC	STC-SA164CE KWAD CO.	LYCOMING O-540-A1B5, -A3D5, A1D5 250 HP @ 2575 RPM	HC-A3XK-2B 7636-4 7636D-4	72"	C-2513-2	2395

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PIPER PA-E23-250 AZTEC	STC-SA164CE KWAD CO.	LYCOMING O-540-A1B5, A3D5, A1D5 250 HP @ 2575 RPM	HC-A3XK-2B 7636D-4		C-2513-2	2399
PIPER PA-23-250 AZTEC	STC-SA164CE KWAD CO.	LYCOMING O-540-A1B5, -A3D5, -A1D5 250 HP @ 2575 RPM	HC-A3VK-2B V7636D-4 V7636N-4	72"	C-2513-2	2396
PIPER PA-E23-250 AZTEC	STC-SA164CE KWAD CO.	LYCOMING O-540-A1B5, -A3D5, -A1D5 250 HP @ 2575 RPM	HC-A3VK-2B V7636D-4		C-2513-2	2400
PIPER PA-(E)23-250 AZTEC	STC-SA164CE KWAD CO.	LYCOMING O-540-A1B5, -A3D5, -A1D5 250 HP @ 2575 RPM	HC-A3MVK-2B MV7636N-4	72.6"	C-2513-2	765
PIPER PA-23-250 AZTEC	STC-SA179CE KWAD CO.	LYCOMING IO-540-A1A5 290 HP @ 2575 RPM	HC-A3MVK-2C MV8433N-10	74.6" TO 72"	C-2513-2	768
PIPER PA-23-250 AZTEC	STC-SA441NW AAR OF OKLAHOMA	LYCOMING TIO-540-C1A 250 HP @ 2575 RPM	HC-E3YR-2ATF FC7663-2R	76" TO 75"		773
PIPER PA-23-250 (CERTAIN SER #) AZTEC	STC-SA1063CE AEROSTOL CO.	LYCOMING TIO-540-C1A 250 HP @ 2575 RPM	HC-E3YR-2ATF FC7663-2R	76" TO 75"	D-3273	772
PIPER PA-23-250 AZTEC	STC-SA179CE KWAD CO.	LYCOMING IO-540-G1A5 290 HP @ 2575 RPM	HC-83XK-2B, HC-A3XK-2B 7636-4 7636D-4	72.6" TO 70.25"	C-2513-2	2259
PIPER PA-23-250 AZTEC	STC-SA179CE KWAD CO.	LYCOMING IO-540-G1A5 290 HP @ 2575 RPM	HC-83VK-2B, HC-A3VK-2B V7636D-4 V7636N-4	72.6" TO 70.25"	C-2513-2	2260
PIPER PA-23-250 AZTEC	STC-SA179CE KWAD CO.	LYCOMING IO-540-G1A5 290 HP @ 2575 RPM	HC-A3MVK-2B MV7636N-4	72.6" TO 70.25"	C-2513-2	767
PIPER PA-23-250 (CERTAIN SER #) AZTEC	STC-SA1063CE AEROSTOL CO.	LYCOMING IO-540-J4A5, -C4B5 250 HP @ 2575 RPM	HC-E3YR-2ATF FC7663-2R	76" TO 75"	D-3273	764
PIPER PA-23-250 AZTEC	STC-SA441NW WESTERN SKYWAYS	LYCOMING IO-540-J4A5, -C4B5 250 HP @ 2575 RPM	HC-E3YR-2ATF FC7663-2R	76" TO 75"		769

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PIPER PA-23-250 AZTEC	SA02874CH-D HARTZELL PROPELLER	Lycoming IO-540-C4B5, TIO-540-C1A 250 HP @ 2575 RPM	HC-E2YR-2BTF FC7693F+1 FC7693FB+1	77"	103409 103409F1	2864
PIPER PA-24 COMANCHE	1A15	LYCOMING O-360-A1A, -A1D 180 HP @ 2700 RPM	HC-92ZK-8D 8447A-12A	72.25" TO 70.5"	835-30 835-6	774
PIPER PA-24 COMANCHE	STC-SA00631CH HARTZELL PROPELLER INC.	LYCOMING O-360-A1A, -A1D 180 HP @ 2700 RPM	HC-C2YR-1BF F7666A-4 F7666A-4*1	72.0" NO CUT OFF	103585 103585F1 103585F2 835-54 835-54P 835-58 835-58P	1315
PIPER PA-24 SERIES COMANCHE	STC-SE3552(3553)NM JOHNSTON AIRCRAFT	LYCOMING O-540-B1B5 235 HP @ 2575 RPM	HC-A2XK-1 8433-7	76"	835-30	2397
PIPER PA-24 SERIES COMANCHE	STC-SE3552 (3553)NM JOHNSTON AIRCRAFT	LYCOMING O-540-B1B5 235 HP @ 2575 RPM	HC-A2VK-1 V8433-7 V8433N-7	76"	835-30	2398
PIPER PA-24-250 COMANCHE	1A15	LYCOMING O-540-A1A, -A1(A,B,C,D)5; IO-540-C1B5 250 HP @ 2575 RPM	HC-82XK-1, HC-A2XK-1, HC-82XK-1D 8433-7	77 7/16" TO 76"	835-30 835-6	2265
PIPER PA-24-250 COMANCHE	1A15	LYCOMING O-540-A1A, -A1(A,B,C,D)5; IO-540-C1B5 250 HP @ 2575 RPM	HC-82VK-1, HC-A2VK-1, HC-82VK-1D V8433-7 V8433N-7	77 7/16" TO 76"	835-30 835-6	2266
PIPER PA-24-250 COMANCHE	1A15	LYCOMING O-540-A1A, -A1(A,B,C,D)5; IO-540-C1B5 250 HP @ 2575 RPM	HC-A2MVK-1 MV8433N-7	77 7/16" TO 76"	835-30 835-6	775
PIPER PA-24-250 COMANCHE	STC-SA3550NM JOHNSTON AIRCRAFT SERVICE	LYCOMING O-540-A4(A,B,C,D)5, IO-540-C4B5 250 HP @ 2575 RPM	HC-C2YK-1BF F8477D-5R	79"	A-3519	776

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PIPER PA-24-250 COMANCHE	STC-00423LA JOHNSTON AIRCRAFT SERVICE	LYCOMING O-540-A4(A,B,C,D)5, IO-540-C4B5 250 HP @ 2575 RPM	HC-C3YR-1RF F7590	77"	835-52 835-52P C-3535-1P	1406
PIPER PA-24-250 COMANCHE	STC-SA3451WE AIRCRAFT TECHNICAL SERVICE INC.	LYCOMING IO-540-C1B5 250 HP @ 2575 RPM	HC-A3MVK-4 MV7636N			1938
PIPER PA-24-260 COMANCHE	1A15	LYCOMING O-540-E4A5; IO-540-D4A5 260 HP @ 2700 RPM	HC-C2YK-1B(F) F8467-7R	77" TO 75"		778
PIPER PA-24-260 COMANCHE	1A15	LYCOMING IO-540-N1A5 260 HP @ 2700 RPM	HC-E2YR-1BF F8467-7R	77" TO 75"		777
PIPER PA-24-260 COMANCHE	1A15	LYCOMING IO-540-R1A5 (turbo) 260 HP @ 2700 RPM	HC-E2YR-1BF F8467-7R	77" TO 75"		779
PIPER PA-24-260 COMANCHE 260, 260B	STC-SA288CH HARTZELL PROPELLER	LYCOMING IO-540-D4A5, -E4A5 260 HP @ 2700 RPM	HC-C3YR-1RF F7590 F7590*1	77.0" TO 76.0"	835-52P	1162
PIPER PA-24-260 COMANCHE 260C	STC-SA288CH HARTZELL PROPELLER	LYCOMING IO-540-D4A5, -N1A5, -R1A5 260 HP @ 2700 RPM	HC-E3YR-1RF F7590	77"	C-4582-P	1810
PIPER PA-24-260 COMANCHE	STC-SA3551NM JOHNSTON AIRCRAFT SERVICE	LYCOMING O-540-E4A5, IO-540-D4A5 260 HP @ 2700 RPM	HC-C2YK-1BF F8477D-5R	79"	A-3519	780
PIPER PA-24-400 COMANCHE	1A15	LYCOMING IO-720-A1A 400 HP @ 2650 RPM	HC-A3VK-4 V8433-7 V8433N-7	77 5/8" TO 75 5/8"		2267
PIPER PA-24-400 COMANCHE	1A15	LYCOMING IO-720-A1A 400 HP @ 2650 RPM	HC-A3MVK-4 MV8433N-7	77 5/8" TO 75 5/8"		782
PIPER PA-24S COMANCHE	STC-SA511WE JOHNSTON AIRCRAFT SERVICE	LYCOMING O-540-B1B5 235 HP @ 2575 RPM	HC-82XK-1, HC-A2XK-1 8433-7	76.6"	835-30	2268

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PIPER PA-24S COMANCHE	STC-SA511WE JOHNSTON AIRCRAFT SERVICE	LYCOMING O-540-B1B5 235 HP @ 2575 RPM	HC-82VK-1, HC-A2VK-1 V8433-7 V8433N-7	76.6"	835-30	2269
PIPER PA-24S COMANCHE	STC-SA511WE JOHNSTON AIRCRAFT SERVICE	LYCOMING O-540-B1B5 235 HP @ 2575 RPM	HC-A2MVK-1 MV8433N-7	76.6"	835-30	783
PIPER PA-25 PAWNEE	STC-SA2-1197 E. HORTON, JR.	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-92ZK-8D 8447A-12A 8447AN-12A	71.6"	835-30	785
PIPER PA-25-260 PAWNEE	2A8, 2A10	LYCOMING O-540-G1A5 260 HP @ 2700 RPM	HC-C2YK-1BF F8477 F8477-1	84" TO 83"		784
PIPER PA-28 CHEROKEE	STC-SA222SW HUTCHINSON A/C	LYCOMING O-320-A2B 150 HP @ 2700 RPM	HC-82VL-6F, HC-A2VL-6F V7636D-4 V7636N-4	72.2"	835-30	2271
PIPER PA-28 CHEROKEE	STC-SA222SW HUTCHINSON A/C	LYCOMING O-320-A2B 150 HP @ 2700 RPM	HC-A2MVL-6F MV7636N-4	72.2"	835-30	788
PIPER PA-28-140 CHEROKEE	STC-SA2052SE PROPELLERS INC.	LYCOMING O-320-E2A 150 HP @ 2700 RPM	HC-82VL-6F, HC-A2VL-6F V8433N-12	72.2"		2270
PIPER PA-28-140 CHEROKEE	STC-SA2052SE PROPELLERS INC.	LYCOMING O-320-E2A 150 HP @ 2700 RPM	HC-A2MVL-6F MV8433N-12	72.2"		786
PIPER PA-28-140, 150, 160 CHEROKEE	STC-SA793CE ROBERT WILLIAMS (AVCON)	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74"		791
PIPER PA-28-180 CHEROKEE	STC-SA2213WE PROPELLERS INC.	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-1B F7666A	76"		790
PIPER PA-28-201T TURBO DAKOTA	2A13	CONTINENTAL TSIO-360-FB 200 HP @ 2575 RPM	BHC-C2YF-1()F F8459A-8R	76.0" TO 75.0"	C-3568	795

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PIPER PA-28-235 CHEROKEE PATHFINDER	2A13	LYCOMING O-540-B4B5 235 HP @ 2575 RPM	HC-C2YK-1()F F8468A-4	80.0" NO CUT OFF		800
PIPER PA-28-235 CHARGER/PATHFINDER	SA01190LA HARTZELL PROPELLER	LYCOMING O-540-B2B5, B4B5 235 HP @ 2575 RPM	HC-C3YR-1RF F7693F	78" TO 77"	C-3535-1 C-3535-1P	1697
PIPER PA-28-236 DAKOTA	2A13	LYCOMING O-540-J3A5D 235 HP @ 2400 RPM	HC-F2YR-1F F8468A-4R	80.0" TO 78.0"	C-3568 C-3568-P	801
PIPER PA-28-236 DAKOTA	SA01191LA HARTZELL PROPELLER	LYCOMING O-540-J3A5D 235 HP @ 2400 RPM	HC-F3YR-1ARF F7693F	78" TO 76"	C-3570 C-3570-P	1713
PIPER PA-28-180 CHEROKEE	SA556SW HUTCHINSON ACFT SVC	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2R	76	835-33 835-33P	2722
PIPER PA-28R-180 ARROW	2A13	LYCOMING IO-360-B1E 180 HP @ 2700 RPM	HC-C2YK-1()F F7666A	76.0" TO 74.5"		789
PIPER PA-28R-180 ARROW	STC-SA4528NM HARTZELL PROPELLER	LYCOMING IO-360-B1E 180 HP @ 2700 RPM	HC-C3YR-1RF F7282	74.0" TO 73.0"	835-47 835-47P 835-52P	1395
PIPER PA-28R-200 ARROW II	2A13	LYCOMING IO-360-C1C 200 HP @ 2700 RPM	HC-C2YK-1()F F7666A-2	74.0" TO 72.5"		792
PIPER PA-28R-200,-201, PA-28RT-201 ARROW II, III, IV	STC-SA4528NM HARTZELL PROPELLER	LYCOMING IO-360-C1C(6) 200 HP @ 2700 RPM	HC-C3YR-1RF F7282 F7282*1	74.0" TO 73.0"	835-47 835-47P 835-52P	793
PIPER PA-28R-201T TURBO ARROW III	2A13	CONTINENTAL TSIO-360-F, -FB 200 HP @ 2575 RPM	BHC-C2YF-1BF F8459A-8R	76.0" TO 75.0"	C-3568	797
PIPER PA-28R-201 ARROW III	2A13	LYCOMING IO-360-C1C6 200 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2R	74" TO 72"		794

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PIPER PA-28R(T)-201T TURBO ARROW III (IV)	SA01024CH HARTZELL PROPELLER	CONTINENTAL TSIO-360-F,FB 200 HP @ 2575 RPM	PHC-C3YF-1RF F7663-4T	74.0" TO 72.0"	C-3570 C-3570-P	1507
PIPER PA-28R-200 ARROW	SA02555CH PROFESSIONAL PILOTS	LYCOMING IO-360-C1C 200 HP @ 2700 RPM	HC-C2YR-1BFP F7497*1	74" to 72"	103585 103585F1 835-33 835-33P 835-54 835-54P	2776
PIPER PA-28RT-201T TURBO ARROW IV	2A13	CONTINENTAL TSIO-360-FB 200 HP @ 2575 RPM	BHC-C2YF-1()F F8459A-8R	76.0" TO 75.0"	C-2298-2 C-3568	798
PIPER PA-28RT-201T TURBO ARROW IV	2A13	CONTINENTAL TSIO-360-FB 200 HP @ 2575 RPM	PHC-C3YF-1()F F7663-2R	76.0" TO 72.0"	C-3570	799
PIPER PA-28RT-201 ARROW IV	2A13	LYCOMING IO-360-C1C6 200 HP @ 2700 RPM	HC-C2YK-1()F F7666A-2R	74.0" TO 72.0"		796
PIPER PA-30 TWIN COMANCHE	A1EA	LYCOMING IO-320-B1A 160 HP @ 2700 RPM	HC-E2YL-2,-2A,-2B(S)(F),-2C,-2D F7663-4	72" TO 70"		802
PIPER PA-30 C/R (left side) TWIN COMANCHE	A1EA	LYCOMING IO-320-B1A 160 HP @ 2700 RPM	HC-E2YL-2(B, BS)(F) F7663-4	72"		803
PIPER PA-30 C/R (right side) TWIN COMANCHE	A1EA	LYCOMING LIO-320-B1A 160 HP @ 2700 RPM	HC-E2YL-2(BL, BLS)(F) FJ7663-4	72"		1773
PIPER PA-30 TWIN COMANCHE	STC-SA214CH KNOTS 2 U INC.	LYCOMING IO-320-B1A 160 HP @ 2700 RPM	HC-E2YL-2BSF F7663D-4	72"	D-5749-P	1211
PIPER PA-30, PA39 (LEFT SIDE) TWIN COMANCHE	STC-SA557GL HARTZELL PROPELLER	LYCOMING IO-320-(B,C)1A 160 HP @ 2700 RPM	HC-E2YL-2BSF F7663-6Q	70"	D-5749 D-5749-P	805

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PIPER PA-30, PA-39 (RIGHT SIDE) TWIN COMANCHE	STC-SA557GL HARTZELL PROPELLER	LYCOMING LIO-320-(B,C)1A 160 HP @ 2700 RPM	HC-E2YL-2BLSF FJ7663-6Q	70"	D-5749-L D-5749-LP	2538
PIPER PA-30 TWIN COMANCHE	STC-SA1151SW J.W. MILLER	LYCOMING IO-360-C1C, -C1F 200 HP @ 2700 RPM	HC-C2YK-2CUF FC7666A-4*1	72" TO 70"	836-29	804
PIPER PA-31 NAVAJO	A20SO	LYCOMING TIO-540-A1A, A1B, A2A, A2B 310 HP @ 2575 RPM	HC-E2YR-2BTF FC8475-4 FC8475B-4	80" TO 78"		807
PIPER PA-31 NAVAJO	A20SO	LYCOMING TIO-540-A2C 310 HP @ 2575 RPM	HC-E3YR-2(A)(T)F FC8468-6R FC8468B-6R*1	80" TO 78"		1570
PIPER PA-31-T2 CHEYENNE IIXL	A8EA	PRATT & WHITNEY PT6A-135 620 HP @ 1900 RPM	HC-B3TN-3B T10178B-8R*1 T10178NB-8R*1	93.5" TO 93"		821
PIPER PA-31-T1 CHEYENNE I/IA	STC-SA1787NM AERO AIR	PRATT & WHITNEY PT6A-11 500 HP @ 2200 RPM	HC-B3TN-3B T10178-10Q T10178N-10Q	91.5"		822
PIPER PA-31-T2 CHEYENNE IIXL	STC-SA4743NM AERO AIR	PRATT & WHITNEY PT6A-135 620 HP @ 1900 RPM	HC-B3TN-3B T10178-10Q T10178B-10Q T10178N-10Q T10178NB-10Q	91"		825
PIPER PA-31-300 NAVAJO	A20SO	LYCOMING IO-540-M1A5 300 HP @ 2700 RPM	HC-E2YR-2B(T) FC8475A-4	80" TO 78"		806
PIPER PA-31-310 NAVAJO	A20SO	LYCOMING TIO-540-A2A, -A2B 310 HP @ 2575 RPM	HC-E3YR-2(A)(T)(F) FC8468-6R FC8468B-6R*1	80" TO 78"		808
PIPER PA-31-325 (left side) NAVAJO C/R	A20SO	LYCOMING TIO-540-F2BD 325 HP @ 2575 RPM	HC-E3YR-2A(T)F FC8468-6R FC8468B-6R*1	80" TO 78"		810

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PIPER PA-31-325 (right side) NAVAJO C/R	A20SO	LYCOMING LTIO-540-F2BD (right) 325 HP @ 2575 RPM	HC-E3YR-2AL(T)F FJC8468-6R FJC8468B-6R	80" TO 78"		811
PIPER PA-31-325, -350 (left side) NAVAJO CHIEFTAIN (PANTHER)	STC-SA970S0/1151SO COLEMILL	LYCOMING TIO-540-J2BD 350 HP @ 2575 RPM	HC-C4YR-2 FC7663D-6Q FC7663DB-6Q	73.75"	D-4511 D-4511-P	1116
PIPER PA-31-325, -350 (right side) NAVAJO CHIEFTAIN (PANTHER)	STC-SA970S0/1151SO COLEMILL	LYCOMING LTIO-540-J2BD 350 HP @ 2575 RPM	HC-C4YR-2L FJC7663D-6Q	73.75"	D-4511-L D-4511-LP	817
PIPER PA-31-350 (left side) NAVAJO CHIEFTAIN, T-1020	A20SO	LYCOMING TIO-540-J2B, -J2BD 350 HP @ 2575 RPM	HC-E3YR-2A(T)(F) FC8468-6R	80.0" TO 78.0"		814
PIPER PA-31-350 (right side) NAVAJO CHIEFTAIN, T-1020	A20SO	LYCOMING LTIO-540-J2B, -J2BD 350 HP @ 2575 RPM	HC-E3YR-2AL(T)(F) FJC8468-6R	80.0" TO 78.0"		815
PIPER PA-31-350 (left side) NAVAJO	STC-SA3642NM CAPE SMITH AIR	LYCOMING TIO-540-J2BD 350 HP @ 2575 RPM	HC-E3YR-2ATF FC8468B-8Q	78"		818
PIPER PA-31-350 (right side) NAVAJO	STC-SA3642NM CAPE SMITH AIR	LYCOMING LTIO-540-J2BD 350 HP @ 2575 RPM	HC-E3YR-2ALTF FJC8468B-8Q	78"		1951
PIPER PA-31P PRESSURIZED NAVAJO	A8EA	LYCOMING TIGO-541-E 425 HP @ 2133 RPM	HC-C3YN-2L(A)UF FJC9684-3R FJC9684B-3R	93" NO CUT OFF		819
PIPER PA-31P COMANCHERO 500	STC SA4268SW SCHAFFER AIRCRAFT CORP.	PRATT & WHITNEY PT6A-135 620 HP @ 1900 RPM	HC-B3TN-3B T10173ANB-6Q	95.5"	D-4258	823
PIPER PA-31P-350 (left side) MOJAVE	A8EA	LYCOMING TIO-540-V2AD (left) 350 HP @ 2600 RPM	HC-I3YR-2UF FC7854 FC7854K	80" NO CUT OFF	D-4841	813

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PIPER PA-31P-350 (right side) MOJAVE	A8EA	LYCOMING LT10-540-V2AD (right) 350 HP @ 2600 RPM	HC-I3YR-2LUF FJC7854 FJC7854K	80" NO CUT OFF	D-4841	816
PIPER PA-31T, PA-31T1, PA-31T3 CHEYENNE	A8EA	PRATT & WHITNEY PT6A-28, -11 620 HP @ 2200 RPM	HC-B3TN-3B T10173-8 T10173B-8 T10173K-8 T10173N-8 T10173NB-8 T10173NK-8	93.5" TO 93.0"	D-4258	820
PIPER PA-31T	STC-SA4335SW STANDARD AERO INC.	PRATT & WHITNEY PT6A-135(A) 750 HP @ 1900 RPM	HC-B3TN-3C T10178B-8R*1 T10178NB-8R*1 T10178NK-8R	93.5"	D-4258	824
PIPER PA-31T, PA-31T1, PA-31T2 CHEYENNE	STC-SA00863SE Blackhawk Modifications, Inc.	PRATT & WHITNEY PT6A-135(A) 620 HP @ 1900 RPM	HC-E4N-3N D8990S	90.0" to 89.0"	D-5710-4 D-5710-4P	1784
PIPER PA-31T, PA-31T1 CHEYENNE	STC-SA01248SE Blackhawk Modifications, Inc.	PRATT & WHITNEY PT6A-11, -28 620 HP @ 2200 RPM	HC-E4N-3N D8990S D8990SB	90.0" to 89.0"	D-5710-4 D-5710-4P	2836
PIPER PA-32-260 CHEROKEE SIX 260	A3SO	LYCOMING O-540-E4B5 260 HP @ 2700 RPM	HC-C2YK-1()F F8477-2	82" TO 80.5"		827
PIPER PA-32-260 CHEROKEE SIX 260	STC-SA1105CH HARTZELL PROPELLER	LYCOMING O-540-E4B5 260 HP @ 2700 RPM	HC-C3YR-1RF F7693F F7693F*1	78" TO 76"	C-3535-1 C-3535-1P	1593
PIPER PA-32-300, PA-32S-300 CHEROKEE SIX 300	A3SO	LYCOMING IO-540-K1A5, -K1G5 (-K1A5 ONLY, -32S-300) 300 HP @ 2700 RPM	HC-C2YK-1BF F8475R	84.0" TO 82.3"		1318
PIPER PA-32-300, PA-32S-300 CHEROKEE SIX 300	A3SO	LYCOMING IO-540-K1A5, -K1G5 (-K1A5 ONLY, -32S-300) 300 HP @ 2700 RPM	HC-C2YK-1BF F8475D-4	80.0" TO 78.5"		829

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PIPER PA-32-300, PA-32S-300 CHEROKEE SIX 300	A3SO	LYCOMING IO-540-K1A5, -K1G5 300 HP @ 2700 RPM	HC-C2YK-1()F F8475R	84" TO 82.3"		828
PIPER PA-32R-301, PA-32-301FT SARATOGA II HP, PIPER 6X	STC SA02256CH PROFESSIONAL PILOTS INC.	LYCOMING IO-540-K1G5(D) 300 HP @ 2700 RPM	HC-I3YR-1RF F7693F	78"	C-3575-1P C-3575-2P	2620
PIPER PA-32-301 SARATOGA	A3SO	LYCOMING IO-540-K1G5 300 HP @ 2700 RPM	HC-C3YR-1()F F7663R	78" TO 76"	835-47	834
PIPER PA-32-301 SARATOGA	A3SO	LYCOMING IO-540-K1G5 300 HP @ 2700 RPM	HC-C2YR-1()F F8475D-4	80.0" TO 78.5"		833
PIPER PA-32-301T TURBO SARATOGA	A3SO	LYCOMING TIO-540-S1AD 300 HP @ 2700 RPM	HC-E2YR-1()F F8477-4	80" TO 78.5"	A-2298-2	838
PIPER PA-32(R,S,RT)-300/PA-32(-,R)-301 CHEROKEE SIX, LANCE, SARATOGA	STC SA02256CH PROFESSIONAL PILOTS, INC	LYCOMING IO-540-K1A5(D), -K1G5(D) 300 HP @ 2700 RPM	HC-C3YR-1RF F7693F F7693F*1 F7693F*2	78"	835-47 835-47P C-3535-1 C-3535-1P	2451
PIPER PA-32-301XTC 6XT	A3SO	LYCOMING TIO-540-AH1A 300 HP @ 2500 RPM	HC-I3YR-1RF F7663DR	78.0"	C-3575-1P	1976
PIPER PA-32-301T TURBO SARATOGA	A3SO	LYCOMING TIO-540-S1AD 300 HP @ 2700 RPM	HC-E3YR-1(R)F F7673DR	78.0" TO 76.0"	C-3575 C-3575-1	839
PIPER PA-32R-301T TURBO SARATOGA SP	A3SO	LYCOMING TIO-540-S1AD 300 HP @ 2700 RPM	HC-E3YR-1()F F7673DR	78.0" TO 76.0"	C-3575 C-3575-P	840
PIPER PA-32-301FT 6X	A3SO	LYCOMING IO-540-K1G5 300 HP @ 2700 RPM	HC-I3YR-1RF F7663DR	78.0" TO 77.0"	C-3575-1P	1975
PIPER PA-32R-300, PA-32RT-300 LANCE, LANCE II	A3SO	LYCOMING IO-540-K1A5D, -K1G5D (-K1A5D ONLY, -32R-300) 300 HP @ 2700 RPM	HC-C2YK-1BF F8475D-4	80.0" TO 78.5"		830

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PIPER PA-32RT-300T TURBO LANCE II	A3SO	LYCOMING TIO-540-S1AD 300 HP @ 2700 RPM	HC-E2YR-1()F F8477-4	80" TO 78.5"	A-2298-2	831
PIPER PA-32R-301 SARATOGA SP	A3SO	LYCOMING IO-540-K1G5D 300 HP @ 2700 RPM	HC-C3YR-1()F F7663R	78" TO 76"	835-47	835
PIPER PA-32R-301 SARATOGA II HP	A3SO	LYCOMING IO-540-K1G5 300 HP @ 2700 RPM	HC-I3YR-1RF F7663DR F7663DRB	78.0" TO 77.0"	C-3575-1P C-3575-2 C-3575-2P	837
PIPER PA-32R-301 SARATOGA SP	A3SO	LYCOMING IO-540-K1G5D 300 HP @ 2700 RPM	HC-C2YR-1() F8475D-4	80.0" TO 78.5"	A-2298-2	836
PIPER PA-32R-301T TURBO SARATOGA SP	A3SO	LYCOMING TIO-540-S1AD 300 HP @ 2700 RPM	HC-E2YR-1()F F8477-4	80" TO 78.5"	A-2298-2	841
PIPER PA-32R-301T SARATOGA II TC	A3SO	LYCOMING TIO-540-AH1A 300 HP @ 2500 RPM	HC-I3YR-1RF F7663DR F7663DRB	78.0"	C-3575-1P C-3575-2 C-3575-2P	1248
PIPER PA-32-300, -32R(T)-300 LANCE, LANCE II	STC-SA1791GL HARTZELL PROPELLER	LYCOMING IO-540-K1A4, -K1G5 (PA-32R-300, IO-540-K1A5D, -K1G5D; PA-32RT-300, IO-540-K1G5D) 300 HP @ 2700 RPM	HC-C3YR-1()F F7663R F7663R*1 F7663R*2	78" TO 76"	835-47 835-47P	1164
PIPER PA-32-300, -32R(T)-300 LANCE, LANCE II	STC-SA1791GL HARTZELL PROPELLER	LYCOMING IO-540-K1A5, -K1G5 (PA-32R-300, IO-540-K1A5D, -K1G5D; PA-32RT-300, IO-540-K1G5D) 300 HP @ 2700 RPM	HC-C3YR-1()F F7663R	78" TO 76"	A-2295-1 A-2295-1P	2581
PIPER PA-32RT-300T TURBO LANCE II	SA3181NM HARTZELL PROPELLER	LYCOMING TIO-540-S1AD 300 HP @ 2700 RPM	HC-E3YR-1RF F7673DR	78.0" TO 76.0"	C-3575-P	2516
PIPER PA-32S-300 CHEROKEE SIX	STC-SA932EA PK FLOAT DIVISION	LYCOMING IO-540-K1A5 300 HP @ 2700 RPM	HC-C2YR-1BF F8475+2	86"		832

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PIPER PA-34-200T (right side) SENECA II	A7SO	CONTINENTAL LTSIO-360-E, -EB 215 HP @ 2575 RPM	BHC-C2YF-2()L()UF ("U" for -E engine only) FJC8459-8R FJC8459B-8R FJC8459B-8R*1	76.0" TO 75.0"	C-2285-2L	845
PIPER PA-34-200T (left side) SENECA II	A7SO	CONTINENTAL TSIO-360-E, -EB 215 HP @ 2575 RPM	BHC-C2YF-2()UF (BHC-C2YF-2()F, - E Engine only) FC8459-8R FC8459B-8R FC8459B-8R*3	76.0" TO 75.0"	C-2285-2	844
PIPER PA-34-200 (left side) SENECA	A7SO	LYCOMING IO-360-C1E6 200 HP @ 2700 RPM	HC-C2YK-2()E(U)(F) FC7666A FC7666AB	76.0" TO 74.0"		842
PIPER PA-34-200 (left side) SENECA	A7SO	LYCOMING IO-360-C1E6 200 HP @ 2700 RPM	HC-C2YK-2()E(U)(F), -2CGUF FC7666A FC7666AB	76.0" TO 74.0"		1917
PIPER PA-34-200 (right side) SENECA	A7SO	LYCOMING LIO-360-C1E6 200 HP @ 2700 RPM	HC-C2YK-2()LE(U)(F) FJC7666A FJC7666AB	76.0" TO 74.0"		843
PIPER PA-34-200 (right side) SENECA	A7SO	LYCOMING LIO-360-C1E6 200 HP @ 2700 RPM	HC-C2YK-2CLGUF FJC7666A FJC7666AB	76.0" TO 74.0"		1916
PIPER PA-34-200T (left side) SENECA II	STC-SA1118SO HARTZELL PROPELLER	CONTINENTAL TSIO-360-E, -EB 200 HP @ 2575 RPM	PHC-C3YF-2KUF FC7663-2R FC7663-2R*2	76.0" TO 75.0"	C-4558-3 C-4558-3P	1172
PIPER PA-34-200T (right side) SENECA II	STC-SA1118SO HARTZELL PROPELLER	CONTINENTAL LTSIO-360-E(B) 200 HP @ 2575 RPM	PHC-C3YF-2LKUF FJC7663-2R FJC7663-2R*1	76.0" TO 75.0"	C-4558-3 C-4558-3P	849

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<u>Model/Trade Name:</u>	<u>Aircraft T.C./STC No/ Modifier:</u>	<u>Engine/ Power:</u>	<u>Propeller/Blade Model(s):</u>	<u>Prop Diameter:</u>	<u>Spinner:</u>	<u>IDS Ref. No.:</u>
PIPER PA-34-220T (left side) SENECA III	STC-SA649GL HARTZELL PROPELLER	CONTINENTAL TSIO-360-KB 220 HP @ 2800 RPM	PHC-C3YF-2KUF FC7453 FC7453*1	76.0" TO 75.0"	C-4558-3 C-4558-3P	850
PIPER PA-34-220T (right side) SENECA III	STC-SA649GL HARTZELL PROPELLER	CONTINENTAL LTSIO-360-KB 220 HP @ 2800 RPM	PHC-C3YF-2LKUF FJC7453 FJC7453*1	76.0" TO 75.0"	C-4558-3 C-4558-3P	1198
PIPER PA-34-220T (left side) SENECA III	A7SO	CONTINENTAL TSIO-360-KB 220 HP @ 2800 RPM	BHC-C2YF-2CKUF FC8459-8R FC8459B-8R*1	76.0" TO 75.0"		846
PIPER PA-34-220T (left side) SENECA III	A7SO	CONTINENTAL TSIO-360-KB 220 HP @ 2800 RPM	BHC-C2YF-2CKUF FC8459-8R	76.0" TO 75.0"	C-2285-2 C-2285-2P	1322
PIPER PA-34-220T (right side) SENECA III	A7SO	CONTINENTAL LTSIO-360-KB 220 HP @ 2800 RPM	BHC-C2YF-2CLKUF FJC8459-8R FJC8459B-8R*2	76.0" TO 75.0"		847
PIPER PA-34-220T (right side) SENECA III	A7SO	CONTINENTAL LTSIO-360-KB 220 HP @ 2800 RPM	BHC-C2YF-2CLKUF FJC8459-8R	76.0" TO 75.0"	C-2285-2L C-2285-2LP	1323
PIPER PA-34-220T (left side) SENECA V	A7SO	CONTINENTAL TSIO-360-RB 220 HP @ 2600 RPM	BHC-J2YF-2CUF FC8459-8R	76"	C-2285-7 C-2285-7P	1320
PIPER PA-34-220T (right side) SENECA V	A7SO	CONTINENTAL LTSIO-360-RB 220 HP @ 2600 RPM	BHC-J2YF-2CLUF FJC8459-8R	76"	C-2285-7L C-2285-7LP	1321
PIPER PA-36-285 BRAVE	A9SO, A10SO	CONTINENTAL 6-285-B, -C, -BA, -CA 285 HP @ 2000 RPM	HC-C2YF-1BF F9587A	95" TO 93"	A-4203	851
PIPER PA-36-285 BRAVE	A9SO, A10SO	CONTINENTAL 6-285-B, -C, -BA, -CA 285 HP @ 2000 RPM	HC-C3YF-1RF F9684-1	95" TO 93"	A-4203-1	852

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PIPER PA-36-285 BRAVE	STC-SA1747CE CLINTON ANDERSON	LYCOMING IO-540-K1G5 300 HP @ 2700 RPM	HC-C3YR-1()F F8475R	86"		853
PIPER PA-36-285, -300 BRAVE	STC-SA3452WE JOHNSTON AIRCRAFT SERVICE	LYCOMING IO-720-A1B 400 HP @ 2650 RPM	HC-C3YR-1RF F8475R	86" TO 84.5"	A-2295-1	857
PIPER PA-36-285, -300, -375 BRAVE	SA00014CH Souther Field Aviation Inc.	PRATT & WHITNEY PT6(A,B)-20, -20A, -20B, -6/C20 375 HP @ 2200 RPM	HC-B3TN-3B or HC-B3TN-3D T10282N-4R	98-94"	C-3065 C-3065-P	2750
PIPER PA-36-300 BRAVE	A9SO, A10SO	LYCOMING IO-540-K1G5 300 HP @ 2700 RPM	HC-C2YK-1()F F8475R	84" TO 82.3"		854
PIPER PA-36-300 BRAVE	A9SO, A10SO	LYCOMING IO-540-KIG5 300 HP @ 2700 RPM	HC-C3YR-1()F F8468A-6	80" TO 78"	835-36 835-36P	855
PIPER PA-36-(285, 300, 375)* BRAVE	SA4522NM JOHNSTON AIRCRAFT SERVICE	LYCOMING IO-720-A1B, -D1C, -D1CD 400 HP @ 2650 RPM	HC-C3YR-1RF F8483	86.0" TO 80.0"	A-2295-1	858
PIPER PA-36-375 BRAVE	A9SO, A10SO	LYCOMING IO-720-D1C, D1CD 375 HP @ 2500 RPM	HC-C3YR-1RF F8475R	86" TO 84"	835-36	856
PIPER PA-39 (left side) TWIN COMANCHE C/R	A1EA	LYCOMING IO-320-B1A 160 HP @ 2700 RPM	HC-E2YL-2BSF F7663-4	72" TO 70"		859
PIPER PA-39 (right side) TWIN COMANCHE C/R	A1EA	LYCOMING LIO-320-B1A 160 HP @ 2700 RPM	HC-E2YL-2BLSF FJ7663-4	72" TO 70"		860
PIPER PA-39 (left side) TWIN COMANCHE C/R	STC-SA214CH KNOTS 2 U INC.	LYCOMING IO-320-B1A 160 HP @ 2700 RPM	HC-E2YL-2BSF F7663D-4	72"	D-5749-P	1213
PIPER PA-39 (right side) TWIN COMANCHE C/R	STC-SA214CH KNOTS 2 U INC.	LYCOMING LIO-320-B1A 160 HP @ 2700 RPM	HC-E2YL-2BLSF FJ7663D-4	72"	D-5749-LP	1212
PIPER PA-40 (left side) ARAPAHO	A1EA	LYCOMING IO-320-B1A 160 HP @ 2700 RPM	HC-E2YL-2BS(F) F7663-4 F7663-4R	72" TO 70"		861

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PIPER PA-40 (right side) ARAPAHO	A1EA	LYCOMING LIO-320-B1A 160 HP @ 2700 RPM	HC-E2YL-2BLS(F) FJ7663-4 FJ7663-4R	72" TO 70"		862
PIPER PA-24-400 COMMANCHE	337 FORM MIKE SMITH	LYCOMING IO-720-A1B 400 HP @ 2650 RPM	HC-C3YR-1RF F8475-5Q	81"	C-3570 C-3570-P	2741
PIPER PA-42 CHEYENNE III	A23SO	PRATT & WHITNEY PT6A-41 720 HP @ 2000 RPM	HC-B3TN-3B, -3K T10173AB-6Q T10173ANB-6Q	95.5" TO 95"	D-4258	863
PIPER PA-42-720, -720R CHEYENNE IIIA	A23SO,A32SO	PRATT & WHITNEY PT6A-41 720 HP @ 2000 RPM	HC-B3TN-3B, -3K T10173AB-6Q T10173ANB-6Q	95.5" TO 95"	D-4258	864
PIPER PA-42-720R CHEYENNE III	A32SO	PRATT & WHITNEY PT6A-61 850 HP @ 2000 RPM	HC-B3TN-3K T10173DB-6Q T10173DNB-6Q	95"	D-4258	1052
PIPER PA-44-180 (left side) SEMINOLE	A19SO	LYCOMING O-360-E1A6D 180 HP @ 2700 RPM	HC-C3YR-2EUF FC7663-5R	73" TO 72"	C-4558-3	867
PIPER PA-44-180 (left side) SEMINOLE	A19SO	LYCOMING O-360-A1H6, -E1A6D 180 HP @ 2700 RPM	HC-C2YR-2CEUF FC7666A-2R	74.0" TO 72.0"	C-2285-3	865
PIPER PA-44-180 (right side) SEMINOLE	A19SO	LYCOMING LO-360-A1H6, -E1A6D 180 HP @ 2700 RPM	HC-C2YR-2CLEUF FJC7666A-2R	74.0" TO 72.0"	C-2285-3L	866
PIPER PA-44-180 (right side) SEMINOLE	A19SO	LYCOMING LO-360-E1A6D 180 HP @ 2700 RPM	HC-C3YR-2LEUF FJC7663-5R	73" TO 72"	C-4558-3	868
PIPER PA-44-180T (left side) TURBO SEMINOLE	A19SO	LYCOMING TO-360-E1A6D 180 HP @ 2575 RPM	HC-C2YR-2CEUF FC7666A-2R	74.0" TO 72.0"	C-2285-3	869
PIPER PA-44-180T (right side) TURBO SEMINOLE	A19SO	LYCOMING LTO-360-E1A6D 180 HP @ 2575 RPM	HC-C2YR-2CLEUF FJC7666A-2R	74.0" TO 72.0"	C-2285-3L	870

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PIPER PA-44-180T (left side) TURBO SEMINOLE	A19SO	LYCOMING TO-360-E1A6D 180 HP @ 2575 RPM	HC-C3YR-2EUF FC7663-5R	73" TO 72"	C-4558-3 C-4558-3P	871
PIPER PA-44-180T (right side) TURBO SEMINOLE	A19SO	LYCOMING LTO-360-E1A6D 180 HP @ 2575 RPM	HC-C3YR-2LEUF FJC7663-5R	73" TO 72"	C-4558-3	872
PIPER PA-44-180 (left side) Seminole	SA03022CH Hartzell Propeller	Lycoming O-360-A1H6, -E1A6D 180 HP @ 2700 RPM	HC-C2YR-2CEUFP FC7497*1	74-72.5"	C-2285-3 C-2285-3P D-6974-1 D-6974-1P	3115
PIPER PA-46 JET PROP DLX (MALIBU)	ST00541SE JETPROP LLC	PRATT&WHITNEY PT6A-34 560 HP @ 2200 RPM	HC-E4N-3I E8501-3.5 E8501-3.5X E8501B-3.5	82.5" TO 81.5"	D-630-1 D-630-1P	1397
PIPER PA-46 JETPROP DLX (MALIBU)	ST00541SE JETPROP LLC	PRATT & WHITNEY PT6A-34 560 HP @ 2200 RPM	HC-E4N-3M E8190K	81.75"	E-6963-P	1555
PIPER PA-46 JET PROP DLX (MALIBU)	STC ST00541SE JET PROP LLC	PRATT & WHITNEY PT6A-34 560 HP @ 2200 RPM	HC-E4N-3N D8292B D8292B*1	82.5" TO 81.5"	D-630-1 D-630-1P	1888
PIPER PA-46-310P MALIBU	A25SO	CONTINENTAL TSIO-520-BE 310 HP @ 2600 RPM	BHC-C2YF-1BF F8052	80.0" TO 78.0"	D-4810 D-4810-P	873
PIPER PA-46-310P MALIBU	STC SA01616CH HARTZELL PROPELLER	CONTINENTAL TSIO-520-BE 310 HP @ 2600 RPM	PHC-G3YF-1E 7890K	80.0"	C-3535-3 C-3535-3P	1594
PIPER PA-46-310P MALIBU	STC SA01770CH MALIBU POWER AND PROPELLER	CONTINENTAL TSIO-550-C1B 350 HP @ 2700 RPM	PHC-G3YF-1E 7890K	80.0"	C-3535-3 C-3535-3P	1668

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PIPER PA-46-350P MALIBU MIRAGE	A25SO	LYCOMING TIO-540-AE2A 350 HP @ 2500 RPM	HC-I2YR-1BF F8074	80.0" TO 79.0"	A-2298-3 A-2298-3P	874
PIPER PA-46-350P MALIBU MIRAGE	A25SO	LYCOMING TIO-540-AE2A 350 HP @ 2500 RPM	HC-I3YR-1E 7890K	80.0	D-6750 D-6750-P	1398
PIPER PA-46-350P, PA-46R-350T MALIBU MIRAGE, MATRIX	SA02677CH-D Hartzell Propeller	LYCOMING TIO-540-AE2A 350 HP @ 2500 RPM	HC-I3Y1R-1N N7605+2 N7605K+2	80"	D-6750-1 D-6750-1P D-6751-1PKIT	2784
PIPER PA-46-350P, PA-46R-350T MALIBU MIRAGE, MATRIX	SA02677CH-D Hartzell Propeller	LYCOMING TIO-540-AE2A 350 HP @ 2500 RPM	HC-I3Y1R-1N N7605C+2 N7605CK+2	80"	D-6750-1 D-6750-1P D-6751-1PKIT	3131
PIPER PA-46-350P, PA-46-350T MALIBU MIRAGE, MATRIX	SA02677CH-D Hartzell Propeller Inc.	Lycoming TIO-540-AE2A 350 HP @ 2500 RPM	HC-I3YR-1N N7605C+2 N7605CK+2	80"	D-6750-1 D-6750-1P D-6751-1PKIT	3148
PIPER PA-46-350P, PA-46R-350T MALIBU MIRAGE, MATRIX	SA02677CH-D HARTZELL PROPELLER INC.	LYCOMING TIO-540-AE2A 350 HP @ 2500 RPM	HC-I3YR-1N N7605+2 N7605K+2	80"	D-6750-1 D-6750-1P D-6751-1PKIT	2785
PIPER PA-46-350P MALIBU MIRAGE	SA01340CH HARTZELL PROPELLER	LYCOMING TIO-540-AE2A 350 HP @ 2500 RPM	HC-I3YR-1E 7890K	80.0	D-6750 D-6750-P	1682
PIPER PA-46-350P MALIBU MIRAGE	TBD Enhanced Flight Group	LYCOMING TIO-540-AE2A 350 HP @ 2500 RPM	HC-E3YR-1E 7890K*1	80"	C-6446	2453
PIPER PA-46-500TP MERIDIAN	A25SO	PRATT&WHITNEY PT6A-42A 500 HP @ 2000 RPM	HC-E4N-3Q E8501-3.5 E8501-3.5X E8501B-3.5	82.5" TO 81.5"	D-630-5 D-630-5P	1649

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PIPER PA-46-310P MAILIBU	LBA STC 0317/1076 MT PROPELLER	CONTINENTAL TSIO-520-BE 310 HP @ 2600 RPM	PHC-C3YF-1RF F7663D-2Q	76	A-2295-1P	2490
PIPER PA-24-260 COMANCHE 260, 260B	STC-SA288CH HARTZELL PROPELLER	LYCOMING IO-540-D4A5, -E4A5 260 HP @ 2700 RPM	HC-C3YR-1RF F7590	77.0" TO 76.0"	A-2295-1 A-2295-1P	2578
PIPER PA-28R-200,-201, PA-28RT-201 ARROW II, III, IV	STC-SA4528NM HARTZELL PROPELLER	LYCOMING IO-360-C1C(6) 200 HP @ 2700 RPM	HC-C3YR-1RF F7282	74.0" TO 73.0"	A-2295-4P	2579
PIPER PA-32-260 CHEROKEE SIX 260	STC-SA1105CH HARTZELL PROPELLER	LYCOMING O-540-E4B5 260 HP @ 2700 RPM	HC-C3YR-1RF F7693F	78" TO 76"	A-2295-1 A-2295-1P	2580
PIPER PA-60 see AEROSTAR AIRCRAFT CORP.		HP @ RPM				1379
PIRTEL (JOHNSON ROCKET) JOHNSON ROCKET 185	STC-SA4-22 ALBERT MISENIC	HP @ RPM	HC-12X20-8D B8428-6	78"		892
PITTS see AVIAT		HP @ RPM				893
POLISH AVIATION (MIELEC) M-28 SKYTRUCK	A56CE	PRATT & WHITNEY PT6A-65B 1100 HP @ 1700 RPM	HC-B5MP-3D M10876ANS M10876ANSK*1	111.0" TO 110.7"	D-3434-8P	1063
POLISH AVIATION (MIELEC) M-28B BRYZA-1R	Unknown POLSKIE ZAKLADY LOTNICZE	PZL - Rzeszow PZL-10S 960 HP @ 1700 RPM	HC-B5MP-3D M10876ANS M10876ANSK*4	111.0" TO 110.7"		1648
POLISH AVIATION (MIELEC) M-28B BRYZA-1R	Unknown POLSKIE ZAKLADY LOTNICZE	PZL - Rzeszow PZL-10S 960 HP @ 1700 RPM	HC-B5MP-3G M10876ANSK*4	111.0" TO 110.7"		1904
PRECISION AERO ENG S51D STEWART 51	Experimental	PRECISION AERO ENG GIVL 573 750 HP @ 2210 RPM	HC-B4TN-1AX2 T10178N-11*1X	91"		1868

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PRECISION AERO ENG S51D STEWART 51	Experimental	PRECISION AERO ENG GIVL 573 750 HP @ 2210 RPM	HC-B4TN-1AX2 T9090NX	91"		1874
PROCAER F15/B PICCHIO	A11N	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-92ZK-8D 8447A-12A 8447AN-12A	71.6" TO 70"	835-30	894
PROCAER F15/B PICCHIO	Unknown	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-4	72"	835-20	895
PROCAER F15/E PICCHIO	A28EU	CONTINENTAL IO-520-F 300 HP @ 2850 RPM	HC-C2YF-1BF F8475-6	78" TO 77"	835-23	897
PROP JETS INC. 200A,B,C ROCKWELL,MEYERS	3A18	CONTINENTAL IO-470-D 260 HP @ 2625 RPM	HC-82XF-1A, HC-A2XF-1A, HC-82XF- 1DB1 8433-4	80.2" TO 78"	835-13 835-3	2274
PROP JETS INC. 200A,B,C ROCKWELL,MEYERS	3A18	CONTINENTAL IO-470-D 260 HP @ 2625 RPM	HC-82VF-1A, HC-A2VF-1A, HC-82VF- 1DB1 V8433-4 V8433-4R V8433N-4 V8433N-4R	80.2" TO 78"	835-13 835-3	2275
PROP JETS INC. 200A,B,C ROCKWELL,MEYERS	3A18	CONTINENTAL IO-470-D 260 HP @ 2625 RPM	HC-A2MVF-1A MV8433N-4	80.2" TO 78"	835-13 835-3	899
PROP JETS INC. 200C ROCKWELL,MEYERS	3A18	CONTINENTAL IO-470-D 260 HP @ 2625 RPM	HC-C2YF-1A F8468-4	80" NO CUT OFF	835-23	900
PROP JETS INC. 200 ROCKWELL,MEYERS	3A18	CONTINENTAL O-470-M 240 HP @ 2600 RPM	HC-82XF-1A, HC-A2XF-1A, HC-82XF- 1DB1	84" TO 82.5"	835-13 835-3	2272
PROP JETS INC. 200 ROCKWELL,MEYERS	3A18	CONTINENTAL O-470-M 240 HP @ 2600 RPM	HC-82VF-1A, HC-A2VF-1A, HC-82VF- 1DB1 V8433NS V8433S	84" TO 82.5"	835-13 835-3	2273

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PROP JETS INC. 200 ROCKWELL,MEYERS	3A18	CONTINENTAL O-470-M 240 HP @ 2600 RPM	HC-A2MVF-1A MV8433NS	84" TO 82.5"	835-13 835-3	898
PROP JETS INC. 400 INTERCEPTOR	3A18	GARRETT TPE331-1-101J 400 HP @ 2000 RPM	HC-B3TN-5C T10178-15 T10178N-15	86.0"	D-3434	902
PRUE PRUE II MOTORGLIDER	Experimental	LYCOMING O-320 series 150 HP @ 2700 RPM	HC-E2YL-2BSF F7663-4	72" TO 70"		1410
PZL 130 TC II PZL-130TC11 ORLIK ORLIK	Unknown	PRATT & WHITNEY PT6A-25C 750 HP @ 2000 RPM	HC-D4N-2DA D9512AF	96.0" TO 95.0"	D-630-1P D-630-9P	1744
PZL MIELEC PZL-106BT TURBO KRUK	Unknown	PRATT & WHITNEY PT6A-34AG 750 HP @ 2200 RPM	HC-B3TN-3D T10282N+4	106.5"	D-3434-12P	1425
PZL MIELEC PZL-130TE ORLIK	Unknown	PRATT & WHITNEY PT6A-25A 550 HP @ 2200 RPM	HC-B3TN-3B T10173K-11R*1 T10173NK-11R*1	90.5"	C-3065	903
PZL MIELEC M18 DROMADER	STC SA00946SE AG AIR SYSTEMS	GARRETT TPE-331-10 900 HP @ 1591 RPM	HC-B4TN-5NL LT10890N	109.5	D-3434-7 D-3434-7P	1969
PZL MIELEC M18 DROMADER	SA09039SC DELTA TURBINES	GARRETT TPE331-10UA 940 HP @ 2000 RPM	HC-B3TN-5U T10290N	102" max. refer to STC for min.	C-3043-2 C-3043-2P C-3043-3 C-3043-3P D-3434-1 D-3434-12 D-3434-12P D-3434-1P	1311
PZL MIELEC M18 DROMEDER	STC SA9039SC DELTA TURBINES	GARRETT TPE-331-11,-12 1100 HP @ 1591 RPM	HC-B5MP-5BL LM11692N	118.7" to 118.2 "	E-6955-P	1440

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PZL MIELEC M18, M18A, M18B DROMADER	STC-SA1014GL TURBINE CONVERSIONS, LTD	PRATT & WHITNEY PT6A-45A, -65B, R, AG, AR 1220 HP @ 1700 RPM	HC-B5MP-3C M10876ANS M10876AS	111.2"	D-3434-8 D-3434-8P	904
PZL MIELEC M18 DROMEDER	SA01361SE AG AIR SYSTEMS	GARRETT TPE-331-11,-12 1100 HP @ 1591 RPM	HC-B5MP-5BL LM11692N	118.7" to 118.2 "	E-6955-P	1715
PZL MIELEC M20 (Piper PA-34-220T) (left side) MEWA	Unknown	CONTINENTAL TSIO-360-KB 220 HP @ 2800 RPM	BHC-C2YF-2CKUF FC8459-8R	76.0" TO 75.0"	C-2285-2 C-2285-2P	1312
PZL MIELEC M20 (Piper PA-34-220T) (right side) MEWA	Unknown	CONTINENTAL LTSIO-360-KB 220 HP @ 2800 RPM	BHC-C2YF-2CLKUF FJC8459-8R	76.0" TO 75.0"	C-2285-2L C-2285-2LP	1313
PZL MIELEC M26 ISKIERKA	Unknown	LYCOMING AEIO-540-L1B5D 300 HP @ 2700 RPM	HC-C3YR-4BF FC8468-10R*1	78" to 76"	D-5205 D-5205-P	1250
PZL WARSZAWA-OKECIE PZL-104M WILGA 2000	A55EU	LYCOMING IO-540-K1(B,D)5, K1J5D 300 HP @ 2700 RPM	HC-C3YR-1RF F8468A-6R	80" TO 76"	835-36P	1314
PZL WARSZAWA-OKECIE PZL-104M WILGA 2000	A55EU	LYCOMING IO-540-K1(B,D)5, K1J5D 300 HP @ 2700 RPM	HC-C3YR-1RF F8068	82.0" Max	C-3535-1P	1806
Quest Aircraft, LLC Kodiak	SA02991CH Wipaire	Pratt & Whitney PT6A-35 750 HP @ 2190 RPM	HC-B3TN-3DY T10282NS	102.0" to 100.0"	C-3065-1 C-3065-1P	3060
QUEST AIRCRAFT, LLC 100 KODIAK	A00007SE	PRATT & WHITNEY PT6A-34 750 HP @ 2200 RPM	HC-E4N-3PY D9511FSB	96"	D-630-10 D-630-10P D-630-6 D-630-6P D-630-8 D-630-8P	2634

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QUEST AIRCRAFT, LLC 100 KODIAK	A00007SE	PRATT & WHITNEY PT6A-34 750 HP @ 2200 RPM	HC-E4N-3P D9511FSB	96"	D-630-10 D-630-10P D-630-6 D-630-6P D-630-8 D-630-8P	2607
RAVIN AIRCRAFT RAVIN	Experimental	LYCOMING IO-540-D4A5, E4A5 260 HP @ 2700 RPM	HC-C3YR-1RF F7590*1	77.0" TO 76.0"	A-2295-1P	2488
RAYTHEON J35, K35, M35, N35, P35, G33 BONANZA	SA02363CH CHECK NEY ENTERPRISES	TCM IO-470-C, -N 260 HP @ 2625 RPM	PHC-L3YF-1RF F8468A-6R	80	A-2295-1 A-2295-1P	2739
RAYTHEON J35, K35, M35, N35, P35, G33 BONANZA	SA02363CH CHUCK NEY ENTERPRISE	TCM IO-470-N-MOD 260 HP @ 2625 RPM	PHC-L3YF-1RF F8068	82"	A-2295-1P	2756
RAYTHEON AIRCRAFT CO. see BEECH		HP @ RPM				1494
RAYTHEON AIRCRAFT CO. D18C, S TWIN BEECH	STC-SA2204WE CAMERON & STAHL(dba AEROSPACE PROD)	GARRETT TPE331-25B 575 HP @ 2000 RPM	HC-B3TN-5C T10178-6 T10178N-6	95.5"	C-3043-2	152
RAYTHEON AIRCRAFT CO. D18C, S TWIN BEECH	STC-SA2204WE CAMERON & STAHL(dba AEROSPACE PROD)	GARRETT TPE331-25B 575 HP @ 2000 RPM	HC-B3TN-5C T10176-8 T10176N-8	93.5"	C-3043-2	154
RAYTHEON AIRCRAFT CO. E18S-9700 TWIN BEECH	STC-SA2204WE CAMERON & STAHL(dba AEROSPACE PROD)	GARRETT TPE331-25B 575 HP @ 2000 RPM	HC-B3TN-5C	95.5"		157
RAYTHEON AIRCRAFT CO. E18S-9700 TWIN BEECH	STC-SA2204WE CAMERON & STAHL(dba AEROSPACE PROD)	GARRETT TPE331-25B 575 HP @ 2000 RPM	HC-B3TN-5C T10176-8 T10176N-8	93.5"	C-3043-2	156
RAYTHEON AIRCRAFT CO. TURBO 18 TWIN BEECH	STC-SA2204WE CAMERON & STAHL(dba AEROSPACE PROD)	GARRETT TPE331-25B 575 HP @ 2000 RPM	HC-B3TN-5C T10178-6 T10178N-6	95.5"	C-3043-2	153

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RAYTHEON AIRCRAFT CO. TURBO 18 TWIN BEECH	STC-SA2204WE CAMERON & STAHL(dba AEROSPACE PROD)	GARRETT TPE331-25B 575 HP @ 2000 RPM	HC-B3TN-5C T10176-8 T10176N-8	93.5"	C-3043-2	151
RAYTHEON AIRCRAFT CO. C45G, H TWIN BEECH	STC-SA2204WE CAMERON & STAHL(dba AEROSPACE PROD)	GARRETT TPE331-25B 575 HP @ 2000 RPM	HC-B3TN-5C T10178-6 T10178N-6	95.5"	C-3043-2	150
RAYTHEON AIRCRAFT CO. TC45G, H, J, TWIN BEECH	STC-SA2204WE CAMERON & STAHL(dba AEROSPACE PROD)	GARRETT TPE331-25B 575 HP @ 2000 RPM	HC-B3TN-5C T10178-6 T10178N-6	95.5"	C-3043-2	155
RAYTHEON AIRCRAFT CO. C45G, H TWIN BEECH	STC-SA2204WE CAMERON & STAHL(dba AEROSPACE PROD)	GARRETT TPE331-25B 575 HP @ 2000 RPM	HC-B3TN-5C T10176-8 T10176N-8	93.5"	C-3043-2	149
RAYTHEON AIRCRAFT CO. TC45G, H, J, TWIN BEECH	STC-SA2204WE CAMERON & STAHL(dba AEROSPACE PROD)	GARRETT TPE331-25B 575 HP @ 2000 RPM	HC-B3TN-5C T10176-8 T10176N-8	93.5"	C-3043-2	158
REBEL 300	Experimental	LYCOMING AEIO-540, IO-540-D4A5 260 HP @ 2700 RPM	HC-C3YR-1A 7690C	78" NO CUT OFF	C-3570-P D-6936-P	1330
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	A769	FRANKLIN 6A8-215-B8F 215 HP @ 2500 RPM	HC-12X20-2 L8427	84" TO 82"		906
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	A769	FRANKLIN 6A8-215-B8F 215 HP @ 2500 RPM	not procurable	84" NO CUT OFF		907
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	A769	FRANKLIN 6A8-215-B8F 215 HP @ 2500 RPM	HC-12X20-3,-3A,-3C,-3E L8427	84" TO 82"		908
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	A769	FRANKLIN 6A8-215-B8F, -B9F 215 HP @ 2500 RPM	HC-12X20-3, HC-D2X20-3	84" NO CUT OFF		2276
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	A769	FRANKLIN 6A8-215-B8F, -B9F 215 HP @ 2500 RPM	HC-12X20-3, HC-D2X20-3 LV8433N	84" NO CUT OFF		2277

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REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	A769	FRANKLIN 6A8-215-B8F, -B9F 215 HP @ 2500 RPM	HC-D2MV20-3 LMV8433N	84" NO CUT OFF		909
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA3-88 JOHN E AYER	FRANKLIN 6A8-215-B8F 215 HP @ 2500 RPM	not procurable	82.6" TO 82"		917
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA3-88 JOHN E AYER	FRANKLIN 6A8-215-B8F (s/charged) 280 HP @ 2500 RPM	HC-13V20-6L, HC-D3V20-6L LV8433N-2			2303
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA3-88 JOHN E AYER	FRANKLIN 6A8-215-B8F (s/charged) 280 HP @ 2500 RPM	HC-D3MV20-6L LMV8433N-2			1571
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA3-88 JOHN E AYER	FRANKLIN 6A8-215-B8F (non-s/charged) 215 HP @ 2500 RPM	HC-D3MV20-6L LMV8433N-2			918
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA3-88 JOHN E AYER	FRANKLIN 6A8-215-B8F (non-s/charged) 215 HP @ 2500 RPM	HC-D3V20-6L LV8433N-2			2326
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA282NW STC BEE INC.	LYCOMING GO-435 HP @ 1925 RPM	HC-83V20-3L, HC-A3V20-3L LV8433N	84.6" TO 84"		2279
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA282NW STC BEE INC.	LYCOMING GO-435 HP @ 1925 RPM	HC-A3MV20-3L LMV8433N	84.6" TO 84"		916
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA615NW SIM-U-FLIGHT	LYCOMING GO-435-C2B 260 HP @ 2182 RPM	HC-A3MV20-3L LMV9333N-5	88.6"		910
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA282NW STC BEE INC.	LYCOMING GO-480-B, B1B, B1C, B1D, B1A6 340 HP @ 2182 RPM	HC-83V20-3L, HC-A3V20-3L LV8433N	84.6" TO 84"		2278
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	SA614NW SIMUFLIGHT	LYCOMING GO-480-B1B 270 HP @ 2182 RPM	HC-A2MV20-3L LMV9333N-4	89"		1689
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA282NW STC BEE INC.	LYCOMING GO-480-B, B1B, B1C, B1D, B1A6 270 HP @ 2182 RPM	HC-A3MV20-3L LMV8433N	84.6" TO 84"		914

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REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA5734NM DONALD KYTE	LYCOMING GSO-480-B1C6 340 HP @ 2182 RPM	HC-A3MV20-3L LMV9333N-6Q	87.625"		919
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	Field Approval Henry Ruzakowski	LYCOMING GSO-480-B1C6 340 HP @ 2182 RPM	HC-A3MV20-3L LMV9333N-6Q	87.625"		1690
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA282NW STC BEE INC	LYCOMING GO-480-C1D6 340 HP @ 2182 RPM	HC-A3V20-3L LV9333N-4	89.6" TO 89"		2325
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA282NW STC BEE INC.	LYCOMING GO-480-C2C6, C2D6, G2D6, G2F6 295 HP @ 2182 RPM	HC-A3VF-5AL LV9333N-4	89.6" TO 89"	836-25 836-26	2324
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA282NW STC BEE INC	LYCOMING GO-480-C1D6 340 HP @ 2182 RPM	HC-A3MV20-3L LMV9333N-4	89.6" TO 89"		915
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA282NW STC BEE INC.	LYCOMING GO-480-C2C6, C2D6, G2D6, G2F6 295 HP @ 2182 RPM	HC-A3MV20-3L LMV9333N-4	89.6" TO 89"	836-25 836-26	912
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA282NW STC BEE INC.	LYCOMING GO-480-F1A6 275 HP @ 2182 RPM	HC-A3VF-3L	84.6" TO 84"		2305
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA282NW STC BEE INC.	LYCOMING GO-480-F1A6 275 HP @ 2182 RPM	HC-A3MV20-3L LMV8433N	84.6" TO 84"		1621
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA282NW STC BEE INC.	LYCOMING GO-480-F2A, -F2A6, -F4A6 275 HP @ 2182 RPM	HC-A3MV20-3L LMV9333N-6	87.6" TO 87"	836-25 836-26	913
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA615NW SIM-U-FLIGHT	LYCOMING GO, GSO, IGO, IGSO, 480 SERIES 340 HP @ 2182 RPM	HC-A3V20-3L LV9333N-4 LV9333N-5	89.6"		2323
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA615NW SIM-U-FLIGHT	LYCOMING GO, GSO, IGO, IGSO, 480 SERIES 340 HP @ 2182 RPM	HC-A3MV20-3L LMV9333N-4 LMV9333N-5	89.6"		911

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REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA282NW STC Bee INC.	LYCOMING GO-480-G2D6 295 HP @ 2182 RPM	HC-83VF-3L, HC-A3VF-3L LV9333N-4	89" NO CUT-OFF		2328
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA3865SW A. STEVEN HENSLEY	LYCOMING GO-480-G2D6 295 HP @ 2182 RPM	HC-83VF-3L, HC-A3VF-3L LV9333N-5	89.0" TO 88.0"		2297
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA282NW STC Bee INC.	LYCOMING GO-480-G2D6 295 HP @ 2182 RPM	HC-A3MVF-3L LMV9333N-4	89" NO CUT-OFF		1712
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA3865SW A. STEVEN HENSLEY	LYCOMING GO-480-G2D6 295 HP @ 2182 RPM	HC-A3MVF-3L LMV9333N-5	89.0" TO 88.0"		1400
REPUBLIC (STOL AMPHIBIAN) RC-3 SEABEE	STC-SA5652NM T.A.C. INC.	LYCOMING IO-540-K1B5 300 HP @ 2700 RPM	HC-E3YR-7LF FLC8468-4R	82"		920
REPUBLIC (STOL AMPIBIAN) RC-3 SEABEE	STC-SA615NW SIM-U-FLIGHT	LYCOMING (I)G(S)O-480 SERIES HP @ RPM	HC-A3V20-3L LV9333N-4			2403
REPUBLIC (STOL AMPIBIAN) RC-3 SEABEE	STC-SA615NW SIM-U-FLIGHT	LYCOMING (I)G(S)O-480 SERIES HP @ RPM	HC-A3V20-3L LV9333N-5			2404
REPUBLIC (STOL AMPIBIAN) RC-3 SEABEE	STC-SA615NW SIM-U-FLIGHT	LYCOMING IGSO-540-A1B6 340 HP @ 2182 RPM	HC-A3V20-3L LV9333N-4 LV9333N-5	89.6"		2405
REPUBLIC (STOL AMPIBIAN) RC-3 SEABEE	FIELD APPROVAL	CONTINENTAL IO-470-P HP @ RPM	HC-A2X20-5L			2401
REPUBLIC (STOL AMPIBIAN) RC-3 SEABEE	FIELD APPROVAL	CONTINENTAL IO-470-P HP @ RPM	HC-A2V20-5L LV8433N			2402
REPUBLIC (STOL AMPIBIAN) RC-3 SEABEE	Unknown	LYCOMING GO-480-G2D6 340 HP @ 2182 RPM	HC-A3V20-3L			2406
REVO see LAKE, COLONIAL		HP @ RPM				921

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REVO (COLONIAL) C-2 COLONIAL SKIMMER	1A13	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-92ZK-6DL-1 L8447-12A L8447N-12A	72" TO 70.5"	835-30	1579
REVO (COLONIAL) C-2 COLONIAL SKIMMER	1A13	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-92WK-8L LW8447-12A LW8447N-12A	72" TO 70.5"	835-30	446
ROCKWELL see AERO COMMANDER		HP @ RPM				922
ROCKWELL OV-10 (left side) BRONCO	UNKNOWN MARSH AVIATION	GARRETT T76-G-418M 840 HP @ 2000 RPM	HC-B4MN-5B M9990N	100" TO 99"	100635 D-4846-1	2012
ROCKWELL OV-10 (right side) BRONCO	Unknown MARSH AVIATION	GARRETT T76-G-419M 840 HP @ 2000 RPM	HC-B4MN-5BL LM9990N	100" to 99"	100635 D-4846-1	2013
S.N.A. INC. SEAWIND	Experimental A.C.E.AVIATION, INC.	LYCOMING TIO-540-J2BD 350 HP @ 2575 RPM	HC-E3YR-1RF F8468A-10Q	76"	C-3535-1 C-3535-1P	1527
S.N.A. INC. SEAWIND	Experimental	LYCOMING IO-540-K1G5 300 HP @ 2700 RPM	HC-E3YR-1RF F8468A-10Q	76" TO 78"	C-3535-1 C-3535-1P	1200
S.N.A. INC. SEAWIND	Experimental	LYCOMING IO-540-K1G5 300 HP @ 2700 RPM	HC-E3YR-1RF F8468-10R	76"	C-3535-1 C-3535-1P	1346
S.N.A. INC. SEAWIND	Experimental	LYCOMING IO-540-K1G5 300 HP @ 2700 RPM	HC-E3YR-1RF F8468A-12Q	74"	C-3535-1 C-3535-1P	1347
SAAB 91D SAFIR	Unknown	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-92ZK-8D 8447A-12A	72	835-30 835-30P	1987
SAAB-SCANIA AB MFI-15 SAFARI/SUPPORTER	Unknown	LYCOMING IO-360-A1B6 200 HP @ 2700 RPM	HC-C2YK-4BF FC7666A-2	74"		923

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SAUNDERS see DEHAVILLAND		HP @ RPM				926
SCHWEIZER G-164A, G-164B, G-164C Turbo Cat	SA2444SW TURBINE CONVERSIONS	PRATT & WHITNEY PT6A-15AG, -20A, -28, -34, -34AG, -36, -41, -41G, -135, -135AG 750 HP @ 2200 RPM	HC-B3TN-3D T10282N T10282N+4	106.5" to 100"	C-3065-P	3071
SCHWEIZER (GRUMMAN) G-164 AG CAT	1A16	JACOBS R755-A2M1 330 HP @ 2200 RPM	HC-B3Z20-1 10160-8 10160N-8	93" NO CUT OFF	836-15R	927
SCHWEIZER (GRUMMAN) G-164 AG CAT	STC-SA4127WE FLOYD STILWELL	GARRETT TPE331-1-101Z 600 HP @ 2000 RPM	HC-B3TN-5C T10282+4 T10282N+4	106.5" TO 102.0"		931
SCHWEIZER (GRUMMAN) G-164 AG CAT	STC-SA7966SW S & R AIRCRAFT	GARRETT TPE331-1-101Z 600 HP @ 2000 RPM	HC-B3TN-5C T10282+4 T10282N+4	106.5" TO 102.0"		930
SCHWEIZER (GRUMMAN) G-164 AG CAT	STC-SA7769SW JOE PEACOCK	GARRETT TPE331-25(),-43,-47,-55,-57,-61 575 HP @ 2000 RPM	HC-B3TN-5D, -5E T10282 T10282N	102" TO 96.0"		933
SCHWEIZER (GRUMMAN) G-164 AG CAT	STC-SA7987SW AGRI-JET POWER	GARRETT TPE331-6-252 600 HP @ 2000 RPM	HC-B3TN-5E, -5M T10282+4	106.5" TO 101.0"	C-3043-2 D-3434	934
SCHWEIZER (GRUMMAN) G-164A, G-164B AG CAT	STC-SA1377GL TURBINES INC.	PRATT & WHITNEY PT6A-(6B,15AG,20,20A,20B,6/C20,21,27,28,34,34AG,135) 550 HP @ 2000 RPM	HC-B3TN-3C, -3D, -3K T10282+4 T10282N+4	106.5" TO 100.5"	C-3065-P	929
SEQUOIA AIRCRAFT FALCO F.8.L	Unknown	LYCOMING IO-320-B1A 160 HP @ 2700 RPM	HC-C2YL-1BF F7663A-4	72.0" TO 70.0"	A-2298-2 A-2298-2P	1168

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SEQUOIA AIRCRAFT FALCO F.8.L	Unknown	LYCOMING IO-360-B1E 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74"	A-2298-2 A-2298-2P	1167
SHERPA AIRCRAFT MFGR CO. SHERPA	Experimental	LYCOMING IO-720-A1A 400 HP @ 2650 RPM	HC-C3YR-1RF F8483	86.0" TO 80.0"	A-4203-1	1340
SHORT BROTHERS SC7 SERIES 3 SKYVAN	A15EU	GARRETT TPE331-2-201A 715 HP @ 2000 RPM	HC-B3TN-5C, -5E, -5M T10282 T10282B T10282N T10282NB	102.0" TO 99.0"	D-3434-1P	937
SHORT BROTHERS S312 TUCANO	Unknown	GARRETT TPE331-12B 1100 HP @ 2000 RPM	HC-D4N-5C D9327K	94"	D-5319 D-5319-P	942
SHORT BROTHERS S312 TUCANO	Unknown	GARRETT TPE331-12B 1100 HP @ 2000 RPM	HC-D4N-5E D9327K	94"	D-5319 D-5319-P	1445
SHORT BROTHERS SD3-30	A41EU	PRATT & WHITNEY PT6A-45A, -45B, -45R 1173 HP @ 1700 RPM	HC-B5MP-3A M10282AB+6 M10282AB+6*1 M10282ANB+6 M10282ANB+6*1	111.3" TO 110.7"	D-3434-8 D-3434-8P	939
SHORT BROTHERS SD3-60-200, SD3-SHERPA-200 SHERPA	A41EU	PRATT & WHITNEY PT6A-65(A)R 1403 HP @ 1675 RPM	HC-B5MP-3C M10876ANSK M10876ANSK*2 M10876ASK	111.2" TO 110.7"	D-3434-8P	940
SHORT BROTHERS SD3-60	A41EU	PRATT & WHITNEY PT6A-67R 1424 HP @ 1700 RPM	HC-A6A-3 A10460 A10460E A10460EK	108.0" TO 107.875"	D-5311 D-5311-1	941

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SIAI MARCHETTI (AERMACCHI) F.260, F.260B	A10EU	LYCOMING O-540-E4A5 260 HP @ 2700 RPM	HC-C2YK-1B, -1BF F8467-8R	76" TO 75"		950
SIAI MARCHETTI (AERMACCHI) F.260(C,D,E,F)	A10EU	LYCOMING O-540-E4A5 (C,F)IO-540-D4A5 (E)AEIO-540-D4A5 (D,E) 260 HP @ 2700 RPM	HC-C2YK-4F FC8477-8R	76" NO CUT OFF	835-41	952
SIAI MARCHETTI (AERMACCHI) F.260C, D, E, F	A10EU	LYCOMING O-540-E4A5, AEIO-540-D4A5, IO-540-D4A5, O-540-E4A5 260 HP @ 2700 RPM	HC-C2YK-1BF F8477-8R F8477-8R*1	76" NO CUT OFF	835-20 835-33	951
SIAI MARCHETTI (AerMacchi) F.260C, D	STC-SA2252CE SIAI MARCHETTI	ALLISON 250-B17D 317 HP @ 2030 RPM	HC-B3TF-7A T10173-25R T10173N-25R	76.5" TO 74	835-39	955
SIAI MARCHETTI (AERMACCHI) F.260C, D, E	STC-SA302GL GARY FRITZLER	LYCOMING O-540-E4A5, (AE)IO-540-D4A5 260 HP @ 2700 RPM	HC-C2YK-4()F FC8477-8R	76"		954
SIAI MARCHETTI (AERMACCHI) F.260E	A10EU	LYCOMING IO-540-D4A5 260 HP @ 2700 RPM	HC-C2YK-1BF F8477-8R	76" NO CUT OFF		202
SIAI MARCHETTI (AerMacchi) SM-1019	Unknown	ALLISON 250-B15G 317 HP @ 2060 RPM	HC-B3TF-7A T10173E-11R T10173NE-11R	89.6"	835-39	957
SIAI MARCHETTI (OMA-Foligno) S.205-18F, 18R	A9EU	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74" TO 72"	835-33	943
SIAI MARCHETTI (OMA-Foligno) S.205-20F, 20R	A9EU	LYCOMING IO-360-A1A 200 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74" TO 72"	835-33	944
SIAI MARCHETTI (OMA-FOLIGNO) S.208, A	A9EU	LYCOMING IO-540-E4A5 260 HP @ 2700 RPM	HC-C2YK-1B F8467-8R	76" TO 75"	835-20 835-33	947
SIAI MARCHETTI (OMA-FOLIGNO) S.208, A	A9EU	LYCOMING IO-540-E4A5 260 HP @ 2700 RPM	HC-C2YK-1BF F8477-8R	76" NO CUT OFF	835-20 835-33	946

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SIAI MARCHETTI (OMA-FOLIGNO) S.210	A25EU	LYCOMING TIO-360-A1B 200 HP @ 2575 RPM	HC-C2YK-2B (per T.C.), -2CF (Hz) FC8468-10R	74" NO CUT OFF	836-29	949
SIAI MARCHETTI (VulcanAir) SF600 CANGURO	A61EU	ALLISON 250-B17C 420 HP @ 2030 RPM	HC-B3TF-7A T10173-11R T10173B-11R T10173K-11R T10173N-11R T10173NB-11R T10173NK-11R	90 3/8 minimum	835-39	956
SIERRA HOTEL AERO Navion A,B,D-H Navion	Form 337	Contintal IO-550-B 300 HP @ 2700 RPM	PHC-C3YF-1RF F8068	82" to 80" inches	A-2295-1 A-2295-1P	3166
SIMMERING GRAZ PAUKER A.G. SGP222-A	A2EU	LYCOMING IO-360-A1A 200 HP @ 2700 RPM	HC-C2YK-2RB F7666A-2	74" NO CUT OFF	835-21P	959
SIMMERING GRAZ PAUKER A.G. SGP222	A2EU	LYCOMING IO-360-B1A 180 HP @ 2700 RPM	HC-92ZK-2B 8447-12A 8447N-12A	71.6" TO 70"	835-30	958
SKYDANCER AVIATION SD-260	Experimental	LYCOMING IO-540-C4B5 260 HP @ 2700 RPM	HC-C2YR-4CF FC8477A-4*1	80"	836-60	1341
SLINGSBY T67M200 FIREFLY	Unknown	LYCOMING AEIO-360-A1E 200 HP @ 2700 RPM	HC-C2YR-4CF FC7666A-2	74"	836-60P	1343
SNOW see AYRES		HP @ RPM				960
SOCATA see AEROSPATIALE		HP @ RPM				961
SOKO J-20 KRAGUJ	UNKNOWN	LYCOMING GSO-480-B1A6 340 HP @ 2182 RPM	HC-B3Z20-1 10151CN-5	96"		2767

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SORRELL SNS-7	Experimental	LYCOMING IO-360-B1E 180 HP @ 2700 RPM	HC-C2YK-4CF FC7666A-2 FC7666A-4Q	74"	836-52	963
SORRELL SNS-7 HYPERBIPE	Experimental	LYCOMING IO-360 SERIES 200 HP @ 2700 RPM	HC-C2YR-4CF FC7666A-2 FC7666A-4	74"-72"	836-52 836-52P 836-60 836-60P	2775
SPARTON 7W	STC-SA4-1408 WEST COAST PROP.	HP @ RPM	HC-B3Z30-1E 10152-5.5 10152N-5.5	96"	836-32SPR	964
STAUDACHER AIRCRAFT STAUDACHER 300	EXPERIMENTAL	LYCOMING AEIO-540 280 HP @ 2700 RPM	HC-C3YR-4A C7690E	78" NO CUT OFF	D-7267 D-7267-P	2692
STAUDACHER AIRCRAFT STAUDACHER S-1000	Experimental	LYCOMING IO-540-D4A5 260 HP @ 2700 RPM	HC-C3YR-1RF F8068	82"	C-3570-P	1352
STAUDACHER AIRCRAFT STAUDACHER 300	Experimental	LYCOMING AEIO-540 280 HP @ 2700 RPM	HC-C3YR-1A 7690C	78" NO CUT OFF	C-3570-P D-6936-P	1353
STAUDACHER AIRCRAFT STAUDACHER 300	Experimental	LYCOMING IO-540-K 300 HP @ 2700 RPM	HC-C2YR-4CF FC8477A-4*1	80"	836-60 836-60P	1354
STEEN (See also STOLP) SKYBOLT	Experimental	LYCOMING IO-360-A1B, C1E6 200 HP @ 2700 RPM	HC-C2YR-4BF, -4CF FC7666A-2	74"	836-52	968
STEEN (See also STOLP) SKYBOLT	Experimental	LYCOMING IO-360-A1A 200 HP @ 2700 RPM	HC-C2YR-4BF, -4CF FC7666A-2	74"	835-41 836-52 C-2513-5	1355
STEEN (See also STOLP) SKYBOLT	Experimental UNIVAIR	LYCOMING IO-540-C4B5 250 HP @ 2575 RPM	HC-C2YK-4F FC8477A-7	77"	835-33	970

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STEEN (See also STOLP) SKYBOLT	Experimental	LYCOMING AEIO-540-D4A5 260 HP @ 2700 RPM	HC-C3YR-1A 7690E	78" NO CUT OFF	C-3570-P D-6936-P	1356
STEEN (See also STOLP) SKYBOLT	Experimental	LYCOMING AEIO-540-A2B (MOD) 320 HP @ 2700 RPM	HC-C3YR-1A 7690E	78" NO CUT OFF	C-3570-P D-6936-P	1357
STEEN AERO LAB SKYBOLT	Experimental	LYCOMING IO-540-C4B5 250 HP @ 2575 RPM	HC-C2YR-4CF FC8477A-4*1	80"		2533
STEWART 51 INC. S51D STEWART 51	Experimental	STEWART GIVL-454A 400 HP @ 2275 RPM	HC-B4TN-1X1 T9212N-2	91" to 90"		1387
STEWART 51 INC. S51D STEWART 51	Experimental	STEWART GIV-502A 500 HP @ 2230 RPM	HC-B4TN-1AX2 T10178N-11*1X	91.5" to 90.5"		1386
STINSON 108-1, -2, -3	STC-SA4-46	LYCOMING O-435-1	HC-12V20-8, HC-D2V20-8, HC-12V20-8D	78" - 76.5"		2288
	SERV-AERO ENG.	190 HP @ 2550 RPM	V8433-6			
STINSON 108-1, -2, -3	STC-SA4-46	LYCOMING O-435-1	HC-12X20-8, HC-D2X20-8, HC-12X20-8D	78" TO 76.5"		2287
	SERV-AERO ENG.	190 HP @ 2550 RPM	8433-6			
STINSON 108-1, -2, -3	STC-SA4-46	LYCOMING O-435-1	HC-D2MV20-8	78" TO 76.5"		977
	SERV-AERO ENG.	190 HP @ 2550 RPM	MV8433N-6			
STINSON 108-2,-3	STC-SA1199WE PDX AIRCRAFT	CONTINENTAL O-470-A, -J, -K, -L 225 HP @ 2600 RPM	HC-A2XF-1A, HC-82XF-1A 8433	84.3"	835-13	2283
STINSON 108-2,-3	STC-SA1199WE PDX AIRCRAFT	CONTINENTAL O-470-A, -J, -K, -L 225 HP @ 2600 RPM	HC-A2MVF-1A MV8433N	84.3"	835-13	975
STINSON 108-2,-3	STC-SA1199WE PDX AIRCRAFT	CONTINENTAL O-470-A, -J, -K, -L 225 HP @ 2600 RPM	HC-A2VF-1, HC-A2VF-1A, HC82VF-1A V8433 V8433N	84.3"	835-13	2284

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STINSON 108-2, 108-3 VOYAGER	SA313NW SEAPLANE FLYING, INC.	FRANKLIN 6A-350-C1, -C2 220 HP @ 2800 RPM	HC-C2YF-1BF F8459A-4	80" TO 76"	A-4203 A-4203-P	1741
STINSON 108-2,-3	STC-SA4-398 SERV-AERO ENG.	LYCOMING O-435-C 190 HP @ 2550 RPM	HC-12X20-8, HC-D2X20-8 8433-6	78" TO 86.5"		2285
STINSON 108-2,-3	STC-SA4-398 SERV-AERO ENG.	LYCOMING O-435-C 190 HP @ 2550 RPM	HC-12V20-8, HC-D2V20-8 V8433-6 V8433N-6	78" TO 86.5"		2286
STINSON 108-2,-3	STC-SA4-398 SERV-AERO ENG.	LYCOMING O-435-C 190 HP @ 2550 RPM	HC-D2MV20-8 MV8433N-6	78" TO 86.5"		976
STINSON 108; 108-1,-2,-3	A767	LYCOMING O-435-A, -C 190 HP @ 2550 RPM	HC-12X20-8C, -D2X20-8 8428-6	78" TO 76.5"		973
STINSON 108; 108-1,-2,-3	A767	LYCOMING O-435-A, -C 190 HP @ 2550 RPM	HC-12X20-8C, HC-D2X20-8 8433-6	78" TO 76.5"		2280
STINSON 108; 108-1,-2,-3	A-767	LYCOMING O-435-A, -C 190 HP @ 2550 RPM	HC-12X20-8, HC-D2X20-8, HC-12X20-8D 8433-6	78" TO 76.5"		2281
STINSON 108; 108-1,-2,-3	A-767	LYCOMING O-435-A, -C 190 HP @ 2550 RPM	HC-12V20-8, HC-D2V20-8, HC-12V20-8D V8433-6	78" TO 76.5"		2282
STINSON 108; 108-1,-2,-3	A-767	LYCOMING O-435-A, -C 190 HP @ 2550 RPM	HC-D2MV20-8 MV8433N-6	78" TO 76.5"		974
STINSON 108, 108-1, 108-2, 108-3	SA964NW Stinson Bobcat	Textron Lycoming O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A	76" No Cut Off		3048
STINSON L-5; L-5B,-5C,-5D,-5E,-5E-1,-5G	A764	LYCOMING O-435-C, -1, -11 190 HP @ 2550 RPM	HC-12X20-4 8428+2	85" TO 83"		971
STINSON L-5	Unknown E.G. LEEMAN	LYCOMING O-435-C 190 HP @ 2550 RPM	HC-D2X20-8 8433-6	78"		2407

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STINSON L-5	Unknown E.G. LEEMAN	LYCOMING O-435-C 190 HP @ 2550 RPM	HC-D2V20-8 V8433-6 V8433N-6	78"		2408
STODDARD HAMILTON GLASAIR	Experimental	LYCOMING IO-360 SERIES 200 HP @ 2700 RPM	HC-M2YR-1BF F7666A-2	74"		529
STODDARD HAMILTON GLASAIR II	Experimental	LYCOMING IO-320 SERIES 160 HP @ 2700 RPM	HC-C2YL-1BF F7663D-4	72" TO 70"		1811
STODDARD HAMILTON GLASAIR	Experimental	LYCOMING IO-320 SERIES 160 HP @ 2700 RPM	HC-F2YL-1F F7663D-4 F7663D-6 F7663D-6Q	72 TO 70"		530
STODDARD HAMILTON GLASAIR II	Experimental	LYCOMING IO-360-B1B 180 HP @ 2700 RPM	HC-F2YR-1F F7068-2	68"		1359
STODDARD HAMILTON GLASAIR II	Experimental	LYCOMING IO-360 SERIES 200 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74"		528
STODDARD HAMILTON 2 SRG GLASAIR	Experimental	LYCOMING IO-360 200 HP @ 2700 RPM	HC-C2Y(K,R)-4CF FC7666A-4	72"	836-60	532
STODDARD HAMILTON SUPER 2SRG GLASAIR	Experimental	LYCOMING IO-360-B1(), E1A, F1A 180 HP @ 2700 RPM	HC-C2YR-1BF F7068-2	68"		1358
STODDARD HAMILTON GLASAIR III	Experimental	LYCOMING IO-540 SERIES 300 HP @ 2700 RPM	HC-C2YK-1BF F8475J-4	78" TO 80"		531
STODDARD HAMILTON GS-1 GLASTAR	Experimental	LYCOMING IO-320-D1F 160 HP @ 2700 RPM	HC-F2YL-1F F7663-3	73"	835-23 835-23P	1229
STODDARD HAMILTON GS-1 GLASTAR	Experimental	LYCOMING O-360-A1F6 180 HP @ 2700 RPM	HC-F2YR-1F F7666A-2	74"	835-23 835-23P	1230

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STOL A/C UC-1	A6EA	LYCOMING IO-360-B1D 180 HP @ 2700 RPM	HC-C2YK-2RB(F) F7666A-2	74" TO 72"	836-29 836-29P	979
STOL AMPHIBIAN see REPUBLIC		HP @ RPM				980
STOLP STARDUSTER	Experimental	LYCOMING O-360-A1F6 180 HP @ 2700 RPM	HC-C2YK-4AF FC7666A-4	72"	836-52	983
STOLP STARDUSTER	Experimental	LYCOMING O-540-() 260 HP @ 2700 RPM	HC-C2YR-4CF FC8477A-8R	76"		984
STOLP STARDUSTER	Experimental	LYCOMING IO-540-D4A5 260 HP @ 2700 RPM	HC-C2YK-1BF F8467-8	76"	836-52	982
STOLP STARDUSTER	Experimental	LYCOMING IO-540-D4A5 260 HP @ 2700 RPM	HC-C2YK-4AF FC8467-7R	77"	836-52	981
SUD AVIATION (SOCATA) GY.80-150 GARDAN	A12IN	LYCOMING O-320-A3C 150 HP @ 2700 RPM	HC-82XL-1, HC-A2XL-1 7636-4	72" TO 70"	835-30 835-6P	2289
SUD AVIATION (SOCATA) GY.80-150 GARDAN	A12IN	LYCOMING O-320-A3C 150 HP @ 2700 RPM	HC-82VL-1, HC-A2VL-1 V7636D-4	72" TO 70"	835-30 835-6P	2290
SUD AVIATION (SOCATA) GY.80-150 GARDAN	A12IN	LYCOMING O-320-A3C 150 HP @ 2700 RPM	HC-A2MVL-1 MV7636N-4	72" TO 70"	835-30 835-6P	985
SUD AVIATION (SOCATA) GY.80-160 GARDAN HORIZON	A12IN	LYCOMING O-320-B3C 160 HP @ 2700 RPM	HC-82XL-1, HC-A2XL-1 7636-4	72" TO 70"	835-30 835-6P	2291
SUD AVIATION (SOCATA) GY.80-160 GARDAN HORIZON	A12IN	LYCOMING O-320-B3C 160 HP @ 2700 RPM	HC-82VL-1, HC-A2VL-1 V7636D-4	72" TO 70"	835-30 835-6P	2292

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SUD AVIATION (SOCATA) GY.80-160 GARDAN HORIZON	A12IN	LYCOMING O-320-B3C 160 HP @ 2700 RPM	HC-A2MVL-1 MV7636N-4	72" TO 70"	835-30 835-6P	986
SUD AVIATION (SOCATA) GY.80-160 GARDAN HORIZON	Unknown	LYCOMING O-320-B3C 160 HP @ 2700 RPM	HC-C2YL-1BF F7663A-4	72"	835-20	987
SUD AVIATION (SOCATA) GY.80-180 GARDAN	Unknown	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74"	835-20	988
SWEARINGEN (See also FAIRCHILD) SX300	Experimental	LYCOMING IO-540-L1A5 300 HP @ 2700 RPM	HC-E3YR-1RF F8468T-12	74"	C-3535-1	990
SWIFT GC-1B	Unknown E.J. FALTENBACHER	LYCOMING IO-320-B1A 160 HP @ 2700 RPM	HC-82XL-1D 7636D-4	72.2"		2409
SWIFT GC-1B	Unknown	LYCOMING IO-320-B1A 160 HP @ 2700 RPM	HC-A2XL-1 7636-4			2410
SWIFT GC-1B	Unknown	LYCOMING IO-320-B1A 160 HP @ 2700 RPM	HC-A2VL-1 V7636N-4			2411
SWIFT MUSEUM FOUNDATION GC-1B	A-766	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74"-72"	A-2298-2 D-4798P	2006
TAYLORCRAFT 20	3A3	CONTINENTAL O-470-J 225 HP @ 2550 RPM	HC-A2MVF-1 MV8433N	84.2" TO 82.5"	835-13	995
TAYLORCRAFT 20	3A3	CONTINENTAL O-470-A 225 HP @ 2600 RPM	HC-A2MVF-1 MV8433N	84.2" TO 82.5"	835-13	994
TAYLORCRAFT DCO-65	A746	CONTINENTAL A-65-8 65 HP @ 2300 RPM	HA-12U 7214-4 7214-4M 7414	74" TO 68"		996

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TEAL AIRCRAFT CORP TSC-1A, 1A1, 1A2	A15EA	LYCOMING O-320-A3B 150 HP @ 2700 RPM	HC-C2YL-1B F7663A-4	72" TO 70"		997
TEAM ROCKET F1	Experimental	LYCOMING IO-540-C4B5 250 HP @ 2575 RPM	HC-M2YR-1BF F8475D-2*1	82" TO 80"		2575
TEAM ROCKET F1	Experimental	Continental IO-550-N 310 HP @ 2700 RPM	HC-J2YF-1BF F8068D*2	80"-78"	C-3533 C-3533-P	3135
TEAM ROCKET F1 ROCKET	Experimental	LYCOMING IO-540-C4B5 250 HP @ 2575 RPM	HC-M2YR-1BF F8475D-4*3	80" TO 78"	C-3533 C-3533-P	2050
TEAM ROCKET F1 ROCKET	Experimental	LYCOMING IO-540-D4A5 260 HP @ 2700 RPM	HC-F3YR-1ARF F7693DF	78" TO 76"	C-3535-1 C-3535-1P	1844
TED SMITH AEROSTAR see AEROSTAR AIRCRAFT CORP.		HP @ RPM				1385
TEXAS BULLET 205 TEXAS BULLET	4A2	CONTINENTAL E-185-1 205 HP @ 2600 RPM	HC-12X20-7 8428-6	78" NO CUT OFF		1001
TEXAS BULLET 205 TEXAS BULLET	4A2	CONTINENTAL E-185-1-7 205 HP @ 2600 RPM	HC-12X20-7, HC-D2X20-7 8433-6	78" NO CUT OFF		2293
TEXAS BULLET 205 TEXAS BULLET	4A2	CONTINENTAL E-185-1-7 205 HP @ 2600 RPM	HC-12V20-7, HC-D2V20-7 V8433-6 V8433N-6	78" NO CUT OFF		2294
TEXAS BULLET 205 TEXAS BULLET	4A2	CONTINENTAL E-185-1-7 205 HP @ 2600 RPM	HC-D2MV20-7 MV8433N-6	78" NO CUT OFF		1002
THORP T-18	Experimental	LYCOMING O-320, IO-320 160 HP @ 2700 RPM	HC-F2YL-1F F7663A-4	72" NO CUT OFF		1003
THORP T-18	Experimental	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-F2YR-1F F7666A-4	72" NO CUT OFF		1004

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THRUSH S2R Turbo Thrush	SA00172SE Turbine Dromaders, LLC	Honeywell TPE331-6-252M, 252B, 252T 700 HP @ 2000 RPM	HC-B3TN-5M T10282N+4	106.5" TO 102.0"	C-3043-2P	3214
THRUSH AIRCRAFT S-2R-T660 TURBO THRUSH		PRATT & WHITNEY PT6A-65AG 1295 HP @ 1700 RPM	HC-B5MP-3(F) M11276NS	115.2" TO 114.7"	E-7256 E-7256-P	2023
THRUSH AIRCRAFT S-2R-T660 TURBO THRUSH	A4SW	PRATT & WHITNEY PT6A-67AG 1300 HP @ 1700 RPM	HC-B5MA-3D M11276NS	115.2" TO 114.7"	D-5497-P	2024
THRUSH AIRCRAFT S2R-H80, S2RHG-H80	A4SW	GE Aviation H80 800 HP @ 2080 RPM	HC-B4TW-3 T10282N	103" to 102"	C-3425 C-3425-5P C-3425-P	3104
TIGER AA-5A, -5B CHEETA/TIGER	SA5452NM FLETCHEIR	LYCOMING IO-360-C1C6 200 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74"		1974
TRANSAVIA PL 12/400 AIRTRUK	Unknown	LYCOMING IO-720-D1BD 400 HP @ 2650 RPM	HC-C3YR-1RF F8475R	86"	A-2295-1	1010
TRANSAVIA PL-12/T-300	A17NM	LYCOMING IO-540-K1A5, -K1B5 300 HP @ 2700 RPM	HC-C3YR-1RF F8468A-2R	84" TO 83"	A-2295-1	1008
TRANSAVIA AIRTRUK	Unknown	LYCOMING IO-540-K1A5 300 HP @ 2700 RPM	HC-C2YR-1BF F8475+2	86"		1009
TRI-R TECHNOLOGIES TR-4 KIS CRUISER	Experimental	CONTINENTAL IO-360-ES 210 HP @ 2800 RPM	BHC-C2YF-1BF F7694-2	74" TO 73"	A-2295-P	1556
TWIN COMMANDER see AERO COMMANDER		HP @ RPM				1015
TWIN COMMANDER 500	SA01792SE HARTZELL PROPELLER INC	LYCOMING O-540-A4A5 250 HP @ 2575 RPM	HC-C3YR-2UF FC8468-6R	80	C-3258 C-3258-P	2734
TWIN COMMANDER 500 SERIES AERO COMMANDER	STC-SA257CE CONSOLIDATED FUEL SYSTEMS	LYCOMING IO-540-A1A5 250 HP @ 2575 RPM	HC-A3VK-2	76.6"	C-2513-2	2057

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TWIN COMMANDER 500 SERIES AERO COMMANDER	STC-SA257CE CONSOLIDATED FUEL SYSTEMS	LYCOMING IO-540-A1A5 250 HP @ 2575 RPM	HC-A3MVK-2 MV7636N*1	76.6"	C-2513-2	14
TWIN COMMANDER 560 AERO COMMANDER	STC-SA2-89 SIGNATURE FLIGHT SUPPORT	LYCOMING GO-480-C1D6 295 HP @ 2182 RPM	HC-A3MV20-2 MV8833N*1 MV8833N-2	86.4"	835-10S	27
TWIN COMMANDER 690A, 690B, 690C TURBO COMMANDER	STC-SA3861NM AERO AIR	GARRETT TPE331-5-254K, TPE331-10T-511K, -512K, -513K, -515K, -516K 715 HP @ 1591 RPM	HC-B3TN-5FL, -5NL LT10876ANSB-2 LT10876NSB-2Q	106.5" NO CUT OFF	836-57P D-7330P	38
UNIVAIR (ERCOUPE, MOONEY) 415C, CD	A718	CONTINENTAL A-65-8; C-75-12, C-85-12 65 HP @ 2300 RPM	HA-12UO 7214 7214-2 7214-2M 7214M 7414 7414M	74" TO 70"		1016
UNIVERSAL T-25 MILITARY TRAINER	Experimental	LYCOMING IO-540-K1A5 300 HP @ 2700 RPM	HC-C2YK-4BF FC8475A-2	82"	C-2513-5	1017
US-LTA 138S (airship)	AS2NM	LYCOMING IO-540-K2A5 300 HP @ 2700 RPM	HC-E3YR-7LF FLC8468G-8Q	78.75"		1019
UTVA LASTA	Unknown	LYCOMING AEIO-540-L1A5D 300 HP @ 2700 RPM	HC-C2YR-4CF FC8475-6*3	78"	835-42	1025
UTVA 66	Unknown	LYCOMING GSO-480-B1J6 340 HP @ 2182 RPM	HC-B3Z20-1 10151C-5 10151CN-5	96"		1020
UTVA 75-11AG	Unknown	LYCOMING AEIO-540-L1B5D 300 HP @ 2700 RPM	HC-C3YR-1RF F8468-8R	78"	A-4209	1023
UTVA 75	Unknown	LYCOMING IO-360-B1F 180 HP @ 2700 RPM	HC-C2YK-1BF F7666-2	74"		1022

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UTVA 75AG	Unknown	LYCOMING AEIO-540-L1B5D 300 HP @ 2700 RPM	HC-C2YR-1BF F8475D-4	80"	A-2295	1024
UTVA 95 LASTA	unknown	LYCOMING AEIO-580-B1A 315 HP @ 2700 RPM	HC-C2YR-4CF FC8475-8	76"		2866
VALMET L-70 VINKA	Unknown	LYCOMING IO-360-A1B6; AEIO-360-A1B6 200 HP @ 2700 RPM	HC-C2YR-4F FC7666A-2	74"	C-2513-5	1026
VALMET L-90TP REDIGO	Unknown	ALLISON 250-B17D 420 HP @ 2030 RPM	HC-B3TF-7A T10173-15 T10173N-15	85.6"	A-3640	1028
Van's RV-4, -6, -7, -8	Experimental	Lycoming (I)O-360 Series 180 HP @ 2700 RPM	HC-C2YR-1N N7605-4	72"		2894
VAN'S RV-10	Experimental	Lycoming (I)O-540-()4()5 260 HP @ 2700 RPM	HC-C3Y1R-1N N7605C	78"		3151
VANS AIRCRAFT RV-4, 6, 7, 8	Experimental	LYCOMING IO-360 & IO-390 200 HP @ 2700 RPM	HC-C2YR-1BFP F7497 F7497*4 F7497-2 F7497-2*1 F7497-2*2	74" TO 72"	C-3533-1P	2604
VAN'S AIRCRAFT RV-10	Experimental	LYCOMING IO-540-D4A5 260 HP @ 2700 RPM	HC-C2YR-1BFP F8068 F8068D	80"		2049
VAN'S AIRCRAFT RV-10	Experimental	Lycoming (I)O-540-()4()5 260 HP @ 2700 RPM	HC-C3YR-1N N7605C	78"		3124
VAN'S AIRCRAFT RV-10	Experimental	Lycoming (I)O-540-()4()5 260 HP @ 2700 RPM	HC-C3YR-1N N7605	78"		2842
VAN'S AIRCRAFT RV-3	Experimental	LYCOMING O-320-D1A 160 HP @ 2700 RPM	HC-C2YL-1BF F7663-4	72"		1030

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VAN'S AIRCRAFT RV-4,-6,-7,-8,-9	Experimental JAMES AIRCRAFT	LYCOMING IO-390 & IO-360 210 HP @ 2700 RPM	HC-M2YR-1BFP F7497 F7499	74" to 72"		2569
VAN'S AIRCRAFT RV-4	Experimental	LYCOMING O-320 SERIES 160 HP @ 2700 RPM	HC-C2YL-1BF F7663-4	72"		1173
VAN'S AIRCRAFT RV-4	Experimental	LYCOMING O-360 SERIES 180 HP @ 2700 RPM	HC-C2YR-1BF F7068-2	68.0" TO 67.0"		1513
VAN'S AIRCRAFT RV-4	Experimental	LYCOMING O-320-D1A 160 HP @ 2700 RPM	HC-F2YL-1F F7663-4	72.0" TO 70.0"		1031
VAN'S AIRCRAFT RV-4	Experimental	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-F2YR-1F F7666A-4	72" NO CUT OFF		1376
VAN'S AIRCRAFT RV-4	Experimental	LYCOMING O-360 SERIES 180 HP @ 2700 RPM	HC-F2YR-1F F7068-2	68.0" TO 67.0"		1399
VAN'S AIRCRAFT RV-4, -6, -7, -8	Experimental	LYCOMING (I)O(F)-360-A1A 180 HP @ 2700 RPM	HC-C2YR-1BF F7496 F7496*1 F7496-2 F7496-2*1	74" TO 72"		1905
VAN'S AIRCRAFT RV-4,-6,-7,-8	Experimental	LYCOMING (I)O(F)-360-A1A 180 HP @ 2700 RPM	HC-C2YR-1BFP F7496 F7496*1 F7496-2 F7496-2*1	74" TO 72"	A-2295-P	2330
VAN'S AIRCRAFT RV-4,-6,-7,-8,-9	Experimental JAMES AIRCRAFT	LYCOMING (I)O(F)-360-A1A 180 HP @ 2700 RPM	HC-M2YR-1BFP F7496 F7496*1 F7496-2 F7496-2*1	74"		2536

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VAN'S AIRCRAFT RV-4, 6, 7, 8, 9	Experimental	Lycoming (I)O-360 180 HP @ 2700 RPM	HC-C2YR-1N N7605 N7605-2	76-74"		2848
VAN'S AIRCRAFT RV-6	Experimental	LYCOMING IO-360 SERIES 200 HP @ 2700 RPM	HC-C2YR-4CF FC7666A-2	74"	836-60 836-60P	1033
VAN'S AIRCRAFT RV-6	Experimental	LYCOMING (I)O-360-A1A 200 HP @ 2700 RPM	HC-C2YK-1BFP F7666A-2 F7666A-4	74" TO 72"		2331
VAN'S AIRCRAFT RV-6	Experimental	LYCOMING (I)O-320 160 HP @ 2700 RPM	HC-F2YL-1F F7663D-4 F7663D-6Q	72"		1363
VAN'S AIRCRAFT RV-6	Experimental	LYCOMING O-360-A1A 180 HP @ 2700 RPM	HC-F2YR-1F F7666A-4	72" NO CUT OFF		1375
VAN'S AIRCRAFT RV-6	Experimental	LYCOMING O-360 SERIES 180 HP @ 2700 RPM	HC-F2YR-1F F7666A-2	74"		1733
VAN'S AIRCRAFT RV-6	Experimental	LYCOMING O-360 SERIES 180 HP @ 2700 RPM	HC-M2YR-1BF F7666A-2	72"		1408
VAN'S AIRCRAFT RV-6	Experimental	LYCOMING (I)O-360-A1A 200 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2 F7666A-4	74" TO 72"		1032
VAN'S AIRCRAFT RV-6, -8	Experimental	FRANKLIN 6A-350-C1, -C2 215 HP @ 2800 RPM	HC-C2YF-1BF F8459-4 F8459A-4	80"		1537
VAN'S AIRCRAFT RV-8	Experimental	LYCOMING IO-360-B SERIES 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A	76"		1544
VAN'S AIRCRAFT RV-8	Experimental	LYCOMING IO-360-A1B6 200 HP @ 2700 RPM	HC-M2YR-1BF F7666A	76"		1540

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VIKING AIR, LTD. TRIDENT TR-1	A19EA	CONTINENTAL 6-285-C4 285 HP @ 2000 RPM	HC-H3YF-3LF FLC9684-12	84.0" TO 83.0"	D-4247	1012
VULCANAIR P68	Unknown	SMA SR305 230 HP @ 2200 RPM	HC-C3YR-2C C7690J	78"	101298	2636
VULCANAIR (PARTENAVIA) P.64B Oscar 180, Oscar 200	unknown	Lycoming O-360-A1A, IO-360-A1B 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A-2	74-72	835-33 835-33P	2828
VULCANAIR (PARTENAVIA) P68, P68B, P68C OBSERVER	A31EU	LYCOMING IO-360-A1B, -A1B6 200 HP @ 2700 RPM	HC-C2YK-2CUF FC7666A-4*1 FC7666AB-4*1	72" NO CUT OFF	836-29	709
VULCANAIR (PARTENAVIA) P68C-TC OBSERVER	A31EU	LYCOMING T(I)O-360-C1A6D 210 HP @ 2575 RPM	HC-C2YR-2CUF FC7666A*2		836-29 836-29P	1309
VULCANAIR (PARTENAVIA) P68C-TC, P68TC OBSERVER	A31EU	LYCOMING TIO-360-C1A6D, TO-360- C1A6D 210 HP @ 2575 RPM	HC-C2YK-2CUF FC7666A	76" TO 75"	836-29	710
VULCANAIR (PARTENAVIA) AP68TP-300, -600 SPARTACUS (VIATOR, -600)	A31EU	ALLISON 250-B17C 330 HP @ 2030 RPM	HC-B3TF-7A T10173F-21R	80" TO 78"	A-3640 A-3640-P	711
WALLAROO WALLAROO 605	Unknown	PRATT & WHITNEY PT6A-27 620 HP @ 2200 RPM	HC-B3TN-3D T10282 T10282N	102.0"		1039
WASSMER SUPER 421	Unknown	LYCOMING IO-540-C4B5 250 HP @ 2575 RPM	HC-C2YK-1BF F8477-4	80"	835-33	1040
WASSMER CE.43 CERVA CE.43 GUEPARD	Unknown	LYCOMING IO-540 250 HP @ 2575 RPM	HC-C2YK-1BF F8477-7	77" TO 76"		1041
WASSMER 52 EUROPA	126 (FRANCE)	LYCOMING O-320-D 160 HP @ 2700 RPM	HC-C2YL-1BF F7663A-4	72		2487

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WASSMER (CERVA) CE43 CHEETAH	137 (France)	LYCOMING IO-540-C4B5 250 HP @ 2575 RPM	HC-C2YK-1BF F8477-4	80-77		2715
WDL FLUGDIENST AIRSHIP	Unknown	CONTINENTAL IO-360-CB 210 HP @ 2800 RPM	BHC-92WF-3G W8447-6R W8447N-6R			1042
WEATHERLY 201B, C	STC-SA73RM RON'S AIR SERVICE	PRATT & WHITNEY R-985 450 HP @ 2300 RPM	HC-B3R30-1 R10152-5.5 R10152N-5.5 R10160-6 R10160N-6	95, 95.5"	836-32SPR	1044
WEATHERLY 201C	A10WE	PRATT & WHITNEY R985-AN1, AN-3, AN-1-14B 450 HP @ 2300 RPM	HC-B3R30-4 R10152-5.5 R10152N-5.5	95.5" NO CUT OFF	836-32PR	1169
WEATHERLY 201C	A10WE	PRATT & WHITNEY R985-AN1, AN-3, AN-1-14B 450 HP @ 2300 RPM	HC-B3R30-4 R10160-6 R10160N-6	96.0" TO 95.0"	836-32PR	1365
WEATHERLY 620	A26WE	PRATT & WHITNEY R985-AN-1, AN-3, AN-14B 450 HP @ 2300 RPM	HC-B3R30-4 R10152-5.5 R10152N-5.5	95.5" NO CUT OFF	836-32PR 836-32PRB 836-32SPR 836-32SPRB	1045
WEATHERLY 620A, 620B	A26WE	PRATT & WHITNEY R985-AN-1, AN-3, AN-14B 450 HP @ 2300 RPM	HC-B3R30-4B R10152-5.5 R10152N-5.5	95.5" NO CUT OFF	836-32PR 836-32PRB 836-32SPR 836-32SPRB	1170
WEATHERLY 620TP	A26WE	PRATT & WHITNEY PT6A-11AG 500 HP @ 2200 RPM	HC-B3TN-3C T10282-2 T10282-6 T10282N-2 T10282N-6	96.0" TO 92.0"	D-3434-6	1046

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WHEELER TECHNOLOGY INC. EXPRESS	Experimental EXPERIMENTAL AIRCRAFT TECHNOLOGY	LYCOMING O-360 180 HP @ 2700 RPM	HC-C2YK-1BF F7666A F7666A-2 F7666A-4	72" NO CUT OFF		1364
WHEELER TECHNOLOGY INC. EXPRESS	Experimental	LYCOMING IO-540-C4B5 250 HP @ 2575 RPM	HC-F2YR-1F F8465-8R	76"	A-2298-2P	1047
WHEELER TECHNOLOGY INC. EXPRESS	Experimental	LYCOMING IO-540-D4A5 260 HP @ 2700 RPM	HC-F3YR-1RF F7382	75"	C-3575-1P	1187
WING AIRCRAFT D-1 DERRINGER	A9WE	LYCOMING IO-320-B1C, C1A 160 HP @ 2700 RPM	HC-C2YL-2RB F8459-18	66" TO 64"	835-21P	1051
WOLF AIRCRAFT WOLFPITTS PRO WOLFPITTS PRO	EXPERIMENTAL	LYCOMING AEIO-580-S 320 HP @ 2700 RPM	HC-C3YR-4AX C7690EX	78"	D-7409	3095
ZIVKO AERONAUTICS EDGE 540	Experimental	LYCOMING AEIO-540 300 HP @ 2700 RPM	HC-C3YR-1A 7690E	78.0" NO CUT OFF	D-6936-P	1367
ZIVKO AERONAUTICS INC. EDGE 540	Experimental	LYCOMING AEIO-540 300 HP @ 2700 RPM	HC-C3YR-4AX C7690EX C7690EX*1	78" NO CUT OFF		2493

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