



**Cessna 170A, 170B (Landplane and Seaplane)
With O-360-A1A, -A1C, -A1D, -A1F, -A1G, -A1H, -A1P,
-C1A, -C1C, -C1E, -C1F, -C1G (180HP) engine**



Basic Kit:

Part Number: C2R00074STP

1 2-Bladed Propeller: HC-C2YR-1BF/F8477-4

1 Polished Spinner: C-3568-P

1 Damper Assembly: C-1576

1 STC Document Set: SA01111CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
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CESSNA 170A, 170B

Specifications: 80 inch diameter 2-bladed aluminum hub propeller
2400 hour / 6 year TBO
67 pounds (propeller, spinner, and damper)
Diameter reduction allowable to 78 inches
Approved for land planes and seaplanes

Advantages: Better take-off and climb performance
Longer TBO
Eliminates tachometer restrictions



**Cessna 172, 172A-I, 172K-N, 172P, 175, 175A-C
(Landplane and Seaplane)
With O-360-A1A, -A1C, -A1D, -A1F, -A1G, -A1H, -A1P,
-C1A, -C1C, -C1E, -C1F, -C1G (180HP) engine**



Basic Kit:

- Part Number: C2R00074STP**
- 1 2-Bladed Propeller: HC-C2YR-1BF/F8477-4**
- 1 Polished Spinner: C-3568-P**
- 1 Damper Assembly: C-1576**
- 1 STC Document Set: SA02186AK**

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CESSNA 172, 172A-I, 172K-N, 172P, 175, 175A-C

Specifications:

80 inch diameter 2-bladed aluminum hub propeller
2400 hour / 6 year TBO
67 pounds (propeller, spinner, and damper)
Diameter reduction allowable to 78 inches
Approved for land planes and seaplanes
Landplanes must have Cessna heavy duty nose strut fork and
6.00 x 6 nose tire
Not approved for installation on engines with crankshaft dampers, O-360-() () 6

Advantages:

Better take-off and climb performance
Longer TBO
Eliminates tachometer restrictions



**Cessna R172K Hawk XP
With IO-360-K, -KB engine
Or IO-360-KC, -KBC engine (Isham STC)**



Basic Kit:

- Part Number:** C3F00067STP
- 1 3-Bladed Propeller:** HC-C3YF-1RF/F7392
- 1 Polished Spinner:** A-2295-1P
- 1 STC Document Set:** SA2078CH

Basic Kit: (Isham STC)

- Part Number:** C3F00069STP
- 1 3-Bladed Propeller:** HC-C3YF-1RF/F7392
- 1 Polished Spinner:** A-2295-1P
- 1 STC Document Set:** SA2078CH

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CESSNA

Applicable Models: R172K "Hawk XP" (S/N R1722000 and on, 1977 through 1981 models)

Specifications: 75-inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
74.4 pounds (propeller and spinner)
Diameter reduction allowable to 72 inches

Replaces: McCauley 2A34C203/90DCA-14, 2A34C203/90DCA-10
2000 hour / 6 year TBO
51.9 pounds (propeller and spinner)

Advantages:

- Takeoff acceleration to 55 KIAS is improved.
- Full-power, best-rate climb performance below 10,000 is improved.
- Cruise speeds at 60-80% power settings increase 1-3 Knots.
- This STC is compatible with the Isham STCs (SA1437CE & SE1436CE) that increase the engine rating up to 210 Hp.
- Longer TBO than McCauley 2-blade
- Improved appearance, Scimitar-style blade planform
- Diameter reduction allowable in event of tip damage
- Compatible with Wipline 2350 Amphibious or Seaplane floats.



Cessna 172RG Cutlass RG With O-360-F1A6 engine



Basic Kit:

Part Number: G2R00150STP

1 2-Bladed Propeller: HC-G2YR-1BFP/F7894-1.5

1 Carbon Fiber Composite Spinner: 105127(F1), Matterhorn White, or 105127F2(Metallic Silver), or 105127

1 STC Document Set: SA03373CH

Aircraft Serial and registration numbers required when ordering

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Prices do not include Ohio State Sales Tax

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CESSNA

Applicable Models: 172RG (all)

Specifications: 76.5-inch diameter 2-bladed aluminum hub propeller
Carbon fiber, all composite spinner assembly
2400 hour / 6 year TBO
59.4 pounds (propeller and spinner)
Diameter reduction allowable to 75.5 inches

Placard: "Continuous Operation is prohibited between 2000 – 2300 RPM with less than 8" manifold pressure."

Replaces: McCauley B2D34C220/80VHA-3.5, 76.5" diameter 2-bladed prop
2000 hour / 6 year TBO
59.2 pounds (propeller and spinner)

Placard: " With less than 10" manifold pressure, avoid continuous between 1750 – 2050 RPM. "

Advantages:

- Takeoff acceleration to 55 KIAS is improved.
- Cruise speeds and Climb performance equal to or better than original.
- Longer TBO than McCauley 2-blade
- Improved appearance, Scimitar-style blade
- Diameter reduction allowable in event of tip damage
- Globally acceptable 84.9 dB(a) measured noise number (FAR 36, Appendix G, & ICAO Annex 16, Chapter 10).



Cessna 177B Cardinal With O-360-A1F6(D) 180HP engine



Basic Kit: (180 HP engine)

Part Number: C2R00758STP

1 2-Bladed Propeller: HC-C2YR-1BFP/F7894-1.5

1 Composite Spinner: 106848, 106848F1 (White), 106848F2 (Silver Metallic)

1 Spinner Mounting Kit: A-2476-63

1 STC Document Set: SA04200CH

Aircraft Serial and registration numbers required when ordering
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CESSNA CARDINAL

Applicable Models: 177B (180 hp)

Specifications: 76.5 inch diameter 2-bladed aluminum hub propeller
Composite Spinner
2400 hour / 6 year TBO
59 pounds (propeller and spinner)
Diameter reduction allowable to 75.5 inches
Placard -"Continuous operation is prohibited between 2000 – 2300 RPM with less than 8 inches manifold pressure".

Replaces: McCauley C202 - 76 inch diameter 2-bladed prop
Diameter reduction allowable to 77 ins.
2000 hour / 6 year TBO

McCauley C206 - 78 inch diameter 2-bladed prop
Diameter reduction 74 inches
2000 hour / 6 year TBO

McCauley C208 - 76 inch diameter 2-bladed prop
Diameter reduction 75 inches
2000 hour / 6 year TBO

Advantages: Longer TBO – Longer Warranty
Acceleration enhanced and T.O. distance reduced aprox. 5% (30-40')
Climb performance delta improves with altitude.
Cruise improves 2 – 4 knots depending on power setting and altitude.
Improved appearance – Scimitar blade
Diameter reduction allowable in the event of tip damage
Globally acceptable 84.8 dB(a) measured noise number (FAR 36, Appendix G, and ICAO Annex 16, Chapter 10)
Compatible with Powerflow Systems STC SA02115AT (tuned exhaust system)



**Cessna 177B, 177RG, F177RG (Reims) Cardinal
With O-360-A1F6(D) 180HP, IO-360-A1B6(D) 200HP
engine**



Basic Kit: (180HP engine)

- Part Number: C3R00021STP**
1 3-Bladed Propeller: HC-C3YR-1RF/F7282
1 Polished Spinner: C-4582-P
1 Spinner Mounting Kit: A-2476-7
1 STC Document Set: SA1556GL

Basic Kit: (200HP engine)

- Part Number: C3R00022STP**
1 3-Bladed Propeller: HC-C3YR-1RF/F7282
1 Polished Spinner: C-4582-P
1 Spinner Mounting Kit: A-2476-7
1 STC Document Set: SA1556GL

Aircraft Serial and registration numbers required when ordering
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CESSNA CARDINAL

Applicable Models: 177B (180 hp)
177RG, F177RG Reims (200 hp)

Specifications: 74 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
73 pounds (propeller and spinner)
Diameter reduction allowable to 73 inches
Placard -"Avoid continuous operations below 15" between 1950 and 2350 RPM."

Replaces: McCauley C202 - 76 inch diameter 2-bladed prop (177B)
Diameter reduction allowable to 75 inches
2000 hour / 6 year TBO
McCauley C206 - 78 inch diameter 2-bladed prop (177B, 177RG)
Diameter reduction allowable to 74 ins.(177B), 76.5 ins.(177RG)
2000 hour / 6 year TBO
McCauley C207 - 78 inch diameter 2-bladed prop (177RG)
Diameter reduction 76.5inches
2000 hour / 6 year TBO
McCauley C208 or C211 - 76 inch diameter 2-bladed prop (177B)
Diameter reduction allowable to 75 inches
2000 hour / 6 year TBO

Advantages: Better take-off and climb performance
Longer TBO
Lower noise
Improved appearance
Less blade tip erosion
Greater repair allowance



Cessna 177RG, F177RG (Reims) Cardinal With IO-360-A1B6(D) 200HP engine



Basic Kit: (200HP engine)

Part Number: C2R00774STP

1 2-Bladed Propeller: HC-C2YR-1BFP/F7894

1 Composite Spinner: 106848F1 (White), 106848F2 Silver Metallic

1 Spinner Mounting Kit: A-2476-63

1 STC Document Set: SA04200CH

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CESSNA CARDINAL

Applicable Models: 177RG, F177RG Reims (200 hp)

Specifications: 78 inch diameter 2-bladed aluminum hub propeller
2400 hour / 6 year TBO
59 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches
Placard -"Continuous operation is prohibited between 2000 – 2300 RPM with less than 10 inches manifold pressure".

Replaces: McCauley C206 - 78 inch diameter 2-bladed prop
Diameter reduction allowable to 76.5 ins.(177RG)
2000 hour / 6 year TBO
McCauley C207 - 78 inch diameter 2-bladed prop
Diameter reduction 76.5 inches
2000 hour / 6 year TBO

Advantages: Longer TBO – Longer Warranty
Climb & Cruise performance equal to or greater than original
Improved appearance – Scimitar blade
Diameter reduction allowable in the event of tip damage
Globally acceptable 86.1 dB(a) measured noise number (FAR 36, Appendix G, and ICAO Annex 16, Chapter 10)
Compatible with Powerflow Systems STC SA03623AT (tuned exhaust system)



Cessna 180 (Land, Sea or Amphibian) O-470-A,-J,-K,-L,-R,-S,-U engine



Basic Kit: (180-180J w/ O-470-A,-J,-K,-L,-R,-S)

Part Number: C3F00001STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: C-3535-1P

1 STC Document Set: SA00852AT

Basic Kit: (180K w/ O-470-U)

Part Number: C3F00890STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: C-3535-1P

1 STC Document Set: SA00852AT

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**CESSNA 180**

Applicable Models: 180 series (land, sea or amphibian)
***Note: a governor change may be required in some cases**

Specifications: 80 inch diameter 3-bladed, aluminum hub propeller
2400 hour / 6 year TBO
75 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches

Replaces: Hartzell 82XF- 84 or 88 inch dia., 2-bladed steel hub prop
Diameter reduction allowable to 82.5 or 86 inches
1000 hours / 5 year TBO

McCauley 2A36C - 82 or 88 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 or 86 inches
1000-1500 hours / 5 year TBO

McCauley 2A34C - 82 or 88 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 or 86 inches
1000-1500 hours / 5 year TBO

McCauley C66 - 82 or 88 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 or 86 inches
1200-1500 hours / 5 year TBO

McCauley C201 - 82 or 88 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 or 86.5 inches
1500 hour / 5 year TBO

McCauley C203 - 82 or 88 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 or 86.5 inches
2000 hour / 6 year TBO

McCauley C204 - 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80.5 inches
2000 hour / 6 year TBO

Advantages: Better take-off and climb performance
Excellent acceleration to step
Longer TBO
Dramatically lower noise
Improved appearance
Less blade tip erosion
Current design



Cessna 180 thru 180K with O-470-A, -K, -J, -L, -R, -S, -U engine



Basic Kit:

Part Number: C3F01901STP (O-470-A, -K, J, L, -R, -S engine)

1 3-Bladed Propeller: PHC-C3YF-1RF/F8068

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02821CH

Part Number: C3F07101STP (O-470-U engine)

1 3-Bladed Propeller: HC-C3YF-1RF/F8068

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02821CH

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TOP PROP PERFORMANCE CONVERSIONS

**CESSNA 180**

Applicable Models: 180 thru 180K (O-470-A, -K, -J, -L, -R, -S, -U)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces:

McCauley C1, C18, C29, C50, C66 88/82 inch diameter
2- bladed propeller
Diameter reduction allowable to 86.0/80.0 inches
1200-1500 hours/5 year TBO
Oil fill requirement per AD 91-15-04

McCauley C203 – 88/82 inch diameter
2- bladed propeller
Diameter reduction allowable to 86.5/80.5 inches
2400 hours/6 year TBO

McCauley C204 – 90/82 inch diameter
2- bladed propeller
Diameter reduction allowable to 88.5/80.5 inches
2400 hours/6 year TBO

McCauley C435 – 80.0 inch diameter
3- bladed propeller
Diameter reduction allowable to 78.0 inches
2400 hours/6 year TBO

Advantages:

Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



Cessna 182, 182A-182P With O-470-L, -R, -S engine



Basic Kit: (182-182G)

Part Number: G2F00011STP

1 2-Bladed Propeller: BHC-G2YF-1BF/F8468A-2R

1 Polished Spinner: D-4798-2P

1 STC Document Set: SA09000SC

Basic Kit: (182H-182P)

Part Number: G2F00011STP*1

1 2-Bladed Propeller: BHC-G2YF-1BF/F8468A-2R

1 Polished Spinner: D-4798P

1 STC Document Set: SA09000SC

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**CESSNA 182**

Applicable Models: 182, 182A-P (0-470-L, -R, and -S engines)
***Note: a governor change may be required in some cases.**

Specifications: 82 inch diameter 2-bladed, aluminum hub propeller
2400 hour / 6 year TBO
61 pounds (propeller and spinner)
Diameter reduction allowable to 80 inches

Replaces: Hartzell 82XF- 82 inch diameter, 2-bladed steel hub propeller
Diameter reduction allowable to 80 inches
1000 hour / 5 year TBO

McCauley 2A36C - 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 inches
1000-1500 hours/5 year TBO

McCauley 2A34C - 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 inches
1000-1500 hours/5 year TBO

McCauley C66 - 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 inches
1200-1500 hours/5 year TBO

McCauley C201 - 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 inches
1500 hours/5 year TBO

McCauley C203 - 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80.5 inches
2000 hour / 6 year TBO

Advantages: Longer TBO
Current design



Cessna 182, 182A-182R With O-470-L, -R, -S, -U engine



Basic Kit: (182-182G w/ O-470-L, -R, -S engine)

Part Number: G3F00006STP

1 3-Bladed Propeller: PHC-G3YF-1RF/F7691

1 Polished Spinner: D-4798-3P

1 STC Document Set: SA09000SC

Basic Kit: (182H-182P w/ O-470-L, -R, -S engine)

Part Number: G3F00006STP*1

1 3-Bladed Propeller: PHC-G3YF-1RF/F7691

1 Polished Spinner: D-4798-1P

1 STC Document Set: SA09000SC

Basic Kit: (182Q-182R w/ O-470-U engine)

Part Number: G3F00008STP

1 3-Bladed Propeller: PHC-G3YF-1RF/F7691

1 Polished Spinner: D-4798-1P

1 STC Document Set: SA09000SC

Aircraft Serial and registration numbers required when ordering
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CESSNA 182

Applicable Models: 182, 182A-R (0-470-L,R,S, and U engines)
***Note: a governor change may be required in some cases.**

Specifications: 78 inch diameter 3-bladed, **scimitar**, aluminum hub propeller
 2400 hour / 6 year TBO
 75 pounds (propeller and spinner)
 Diameter reduction allowable to 77 inches

Replaces: Hartzell 82XF- 82 inch diameter, 2-bladed steel hub propeller
 Diameter reduction allowable to 80 inches
 1000 hour / 5 year TBO

McCauley 2A36C - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1000-1500 hours/5 year TBO

McCauley 2A34C - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1000-1500 hours/5 year TBO

McCauley C66 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1200-1500 hours/5 year TBO

McCauley C201 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1500 hours/5 year TBO

McCauley C203 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80.5 inches
 2000 hour / 6 year TBO

McCauley C204 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80.5 inches
 2000 hour / 6 year TBO

Advantages:

- Better take-off and climb performance
- Same or slightly better cruise performance
- Longer TBO
- Dramatically lower noise
- Improved appearance
- Less blade tip erosion
- Current design



Cessna 182 thru 182R, and Cessna/Reims F182P & Q with O-470-A -L, -R, -S, and -U engine



Basic Kit:

Part Number: G3F00801STP (O-470-L, -R, -S engine)

1 3-Bladed Propeller: PHC-G3YF-1RF/F8068

1 Polished Spinner: D-4798-3P (182 -182G) or D-4798-1P (182H-P)

1 STC Document Set: SA02821CH

Part Number: G3F00504STP (O-470-U engine)

1 3-Bladed Propeller: HC-G3YF-1RF/F8068

1 Polished Spinner: D-4798-1P (182Q, R)

1 STC Document Set: SA02821CH

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CESSNA 182

Applicable Models: 182 thru 182R and F182Q & R(O-470-L, -R, -S, -U)
 * **Governor change may be required when replacing original steel hub Hartzell.**

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
 2400 hour / 6 year TBO
 83 pounds (propeller and spinner)
 Diameter reduction allowable to 78 inches

Replaces:

Hartzell 82XF- 82 inch diameter, 2-bladed steel hub propeller
 Diameter reduction allowable to 80 inches
 1000 hour / 5 year TBO

McCauley 2A36C - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1000-1500 hours/5 year TBO

McCauley 2A34C - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1000-1500 hours/5 year TBO

McCauley C66 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1200-1500 hours/5 year TBO

McCauley C201 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1500 hours/5 year TBO

McCauley C203 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80.5 inches
 2000 hour / 6 year TBO

McCauley C204 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80.5 inches
 2000 hour / 6 year TBO

Advantages:

Improved take-off and climb performance
 Dramatic noise reduction
 Longer TBO
 Improved appearance
 Latest hub design and "blended airfoil", Scimitar blades



Cessna R182, FR182, TR182 with O-540-J3C5D. or O-540-L3C5D



Basic Kit:

Part Number: C3R02004STP
1 3-Bladed Propeller: HC-C3YR-1RF/F8068
1 Polished Spinner: A-2295-3P
1 STC Document Set: SA03078CH

Kit Eligibility:

R182 S/N R18200001 through R18201313.
FR 182 S/N FR18200001 through FR00045.

Optional: 100803 Balance Weight Kit
REF: Cessna Service Kit SK182-72A eligibility TR182
s/n R18200584 though R18201313 only, per TCDS
3A13.



CESSNA R182, FR182, TR182

Applicable Models: R182, FR182, TR182 s/n R18200001 through R18201313, and FR18200001 through FR00045

Specifications: 82 inch dia 3-bladed, **Scimitar**, aluminum, extended hub prop
2400 hour / 6 year TBO
85.0 pounds (propeller and spinner)
Diameter reduction allowable to 80 inches

Replaces:

McCauley C214 – 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80.5 inches
2400 hour / 6 year TBO

McCauley C217 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80.5 inches
2400 hour / 6 year TBO

McCauley C407 79 inch diameter 3-bladed propeller
Diameter reduction allowable to 78.0 inches
2400 hour / 6 year TBO

McCauley C433 79 inch diameter 3-bladed propeller
Diameter reduction allowable to 77.0 inches
2400 hour / 6 year TBO

Advantages:

Improved climb performance - + 8.5% over 79" McCauley
Better cruise performance than 79" McCauley (2-4 knots)
Noise – 77.5 dB(a) measured per FAR 36, Appendix G, and also meets ICAO Annex 16, Chapter 10 noise standards.
Improved appearance
Current design



Cessna R182, FR182, TR182, and T182 with O-540-J3C5D. or O-540-L3C5D



Basic Kit:

- Part Number: I3R00203STP
- 1 3-Bladed Propeller: HC-I3YR-1RF/F8068
- 1 Polished Spinner: D-6750-P
- 1 STC Document Set: SA03078CH

Kit with electric De-ice:

- Part Number: I3R00250STP
- 1 3-Bladed Propeller: HC-I3YR-1RF/F8068B
- 1 Polished Spinner: 105012P
- 1 Airframe De-ice Kit: 104996
- 1 STC Document Set: SA03078CH

Kit Eligibility:

- R182, TR182 S/N R18201314 through R18202041.
- FR 182 S/N FR18200046 through FR00070.
- T182 S/N 18267716 through 18268368, and 182-68369 through 182-68541.

- Optional: 1 100800 Balance Weight Kit
REF: Cessna Service Kit SK182-71E.
See next page for eligibility details.



CESSNA R182, FR182, TR182, T182

Applicable Models: R182, FR182, TR182 and T182 s/n R18201314 through R18202041, FR18200046 through FR00070, and T182 18267716 through 18268368, and 182-68369 through 182-68541.

Specifications: 82 inch dia 3-bladed, **Scimitar**, aluminum, extended hub prop
Compatible De-ice:(Replaces 3 blade to 3 blade only)
2400 hour / 6 year TBO
85.0 pounds (propeller and spinner)
Diameter reduction allowable to 80 inches

Replaces:

McCauley C218 – 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80.5 inches
2400 hour / 6 year TBO

McCauley C219 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80.5 inches
2400 hour / 6 year TBO

McCauley C407 79 inch diameter 3-bladed propeller
Diameter reduction allowable to 78.0 inches
2400 hour / 6 year TBO

McCauley C431 79 inch diameter 3-bladed propeller
Diameter reduction allowable to 77.0 inches
2400 hour / 6 year TBO

Advantages:

Improved climb performance - + 8.5% over 79" McCauley
Better cruise performance than 79" McCauley (2-4 knots)
Noise – 77.5 dB(a) measured per FAR 36, Appendix G, and also meets ICAO Annex 16, Chapter 10 noise standards.
Improved appearance
Current design

Notes:

Balance Weight Kit eligibility per SK182-71E:

R182 s/n R18201314 through R18201628,
FR82 s/n FR18200046 through FR18200070,
TR182 R18201314 through R18201628,
R182 s/n R18201629 through R18202041 (per TCDS 3A13, Rev. 69),
TR182 s/n R18201629 and later (per TCDS 3A13, Rev. 69).



Cessna 182S, 182T, T182T with IO-540-AB1A5. TIO-540-AK1A



Basic Kit:

- Part Number: F3R00600STP
- 1 3-Bladed Propeller: HC-F3YR-1ARF/F8068
- 1 Polished Spinner: A-2295-3P
- 1 STC Document Set: SA03078CH

Kit with Electric de-ice:

- Part Number: F3R00650STP
- 1 3-Bladed Propeller: HC-F3YR-1ARF/F8068K
- 1 Polished Spinner: A-2295-14P
- 1 Airframe de-ice kit: 104522
- 1 STC Document Set: SA03078CH

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CESSNA 182S, 182T, T182T

Applicable Models: 182S, 182T, T182T

Specifications: 82 inch dia 3-bladed, **Scimitar**, aluminum, extended hub prop
Compatible De-ice (replaces 3 blade to 3 blade only)
2400 hour / 6 year TBO
86.0 pounds (propeller and spinner)
Diameter reduction allowable to 80 inches

Replaces:

McCauley C235 – 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80.0 inches
2400 hour / 6 year TBO

McCauley C431 79 inch diameter 3-bladed propeller
Diameter reduction allowable to 77.0 inches
2400 hour / 6 year TBO

McCauley C442 79 inch diameter 3-bladed propeller
Diameter reduction allowable to 77.0 inches
2400 hour / 6 year TBO

Advantages:

Improved climb performance - + 8.5% over 79" McCauley
Better cruise performance than 79" McCauley (2-4 knots)
Noise – 77.5 dB(a) measured per FAR 36, Appendix G, and
also meets ICAO Annex 16, Chapter 10 noise standards.
Improved appearance
Current design



Cessna 185 thru 185E with IO-470-F engine



Basic Kit:

Part Number: C3F01904STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8068

1 Polished Spinner: C-3575-P

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
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CESSNA 185 (IO-470 powered)

Applicable Models: 185 thru 185E (IO-470-F)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces:

McCauley C33/C49/C48/C58 – 88 inch diameter
2- bladed propeller
Diameter reduction allowable to 80.5 inches
1200-1500 hours/5 year TBO
Oil fill requirement per AD 91-15-04

McCauley C230 – 88 inch diameter
2- bladed propeller
Diameter reduction allowable to 80.5 inches
2400 hours/6 year TBO

Advantages:

Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



Cessna A185E, A185F With IO-520-D engine



Basic Kit: (78" Diameter) (HC Indexing)

Part Number: C3F00050STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-8R

1 Polished Spinner: C-3575-P

1 STC Document Set: SA1443NM

Basic Kit: (78" Diameter) (PHC Indexing)

Part Number: C3F00131STP*1

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-8R

1 Polished Spinner: C-3575-P

1 STC Document Set: SA1443NM

Aircraft Serial and registration numbers required when ordering
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CESSNA 185

Applicable Models:

A185E, A185F

* Note: No engine mount change is required per the Hartzell STC paperwork. Changing to the heavier mounts, however, may be needed if vibration is experienced.

** Note: The STC paperwork only covers floats that were originally type certified on the aircraft.

Specifications:

78 inch diameter 3-bladed, aluminum hub propeller
 2400 hour / 6 year TBO
 78 pounds (propeller and spinner)
 Diameter reduction allowable to 77 inches

Replaces:

McCauley C58 - 86 inch diameter 2-bladed prop
 Diameter reduction allowable to 84.5 inches
 Oil fill requirement per AD 91-15-04
 1200-1500 hour / 5 year TBO

McCauley C403 - 80 inch diameter 3-bladed prop
 Diameter reduction allowable to 78.5 inches
 2000 hour / 6 year TBO

Advantages:

- vs. McCauley C58 2-bladed model
 - Better take off and climb performance
 - Longer TBO
 - Dramatically lower noise
 - Improved looks
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
- vs. McCauley C403 3-bladed model
 - Better take-off and climb performance
 - Longer TBO
 - Lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete



Cessna A185E, A185F With IO-520-D engine



Basic Kit: (80" Diameter)

Part Number: C3F00119STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: C-3575-P

1 STC Document Set: SA1443NM

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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CESSNA 185

Applicable Models:

A185E, A185F

* Note: No engine mount change is required per the Hartzell STC paperwork. Changing to the heavier mounts, however, may be needed if vibration is experienced.

**Note: STC paperwork only covers floats that were originally type certified on the aircraft.

***Note: This propeller should be especially effective for aircraft operating on floats, out of short fields, or with heavy loads.

Specifications:

80 inch diameter 3-bladed, aluminum hub propeller
 2400 hour / 6 year TBO
 78 pounds (propeller and spinner)
 Diameter reduction allowable to 79 inches

Replaces:

McCauley C58 - 86 inch diameter 2-bladed prop
 Diameter reduction allowable to 84.5 inches
 Oil fill requirement per AD 91-15-04
 1200-1500 hour / 5 year TBO

 McCauley C403 - 80 inch diameter 3-bladed prop
 Diameter reduction allowable to 78.5 inches
 2000 hour / 6 year TBO

Advantages:

vs. McCauley C58 2-bladed model
 Better take off and climb performance
 Longer TBO
 Dramatically lower noise
 Less blade tip erosion
 Current design, Mc threaded design obsolete
 vs. McCauley C403 3-bladed model
 Better take-off and climb performance
 Longer TBO



Cessna A185E, A185F With IO-520-D engine



Basic Kit: (84" Diameter)

Part Number: C3F00047STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-2R – Gray blades (pictured)

1 Polished Spinner: C-3575-P

1 STC Document Set: SA02528CH-D

Basic Kit: (86" Diameter)

Part Number: C3F00045STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468AR(*1) – Black blades

1 Polished Spinner: C-3575-P

1 STC Document Set: SA02528CH-D

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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CESSNA 185

Applicable Models: A185E, A185F

* Note: No engine mount change is required per the Hartzell STC paperwork. Changing to the heavier mounts, however, may be needed if vibration is experienced.

**Note: STC paperwork only covers floats that were originally type certified on the aircraft.

***Note: This propeller should be especially effective for aircraft operating on floats, out of short fields, or with heavy loads.

Specifications:

84 - 86 inch diameter 3-bladed, aluminum hub propeller
 2400 hour / 6 year TBO
 82 pounds (propeller and spinner)
 Diameter reduction allowable to 80 inches
 Maximum RPM on both propellers, 2700 RPM

- 84" No RPM restriction
- Placard – "Continuous operation is prohibited above 26 inches MP between 2250 – 2450 RPM" (86" diameter only)

Replaces:

McCauley C58 - 86 inch diameter 2-bladed prop
 Diameter reduction allowable to 84.5 inches
 Oil fill requirement per AD 91-15-04
 1200-1500 hour / 5 year TBO

McCauley C403 - 80 inch diameter 3-bladed prop
 Diameter reduction allowable to 78.5 inches
 2000 hour / 6 year TBO

Advantages:

vs. McCauley C58 2-bladed model
 Better take-off performance
 Longer TBO
 Current design, Mc threaded design obsolete

vs. McCauley C401 3-bladed model
 Better take-off performance
 Longer TBO

vs. McCauley C403 3-bladed model
 Better take-off performance
 8.2% decrease in time to accelerate to 50 KIAS
 Longer TBO



Cessna A185E & A185F with IO-520-D engine



Basic Kit:

Part Number: C3F07551STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8068-2

1 Polished Spinner: C-3575-P

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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TOP PROP PERFORMANCE CONVERSIONS



CESSNA A185 (IO-520 powered)

Applicable Models: A185E, A185F (IO-520-D)

Note: No engine mount change is required per the Hartzell STC paperwork. Changing to the heavier mounts, however, may be needed if vibration is experienced.

Specifications: 80 inch dia 3-bladed, **scimitar**, aluminum hub prop
 2400 hour / 6 year TBO
 82 pounds (propeller and spinner)
 Diameter reduction allowable to 78 inches

Replaces: McCauley C58 - 86 inch diameter 2-bladed prop
 Diameter reduction allowable to 84.5 inches
 Oil fill requirement per AD 91-15-04
 1200-1500 hour / 5 year TBO
 McCauley C403 - 80 inch diameter 3-bladed prop
 Diameter reduction allowable to 78.5 inches
 2000 hour / 6 year TBO

Advantages:
 Improved take-off and climb performance
 Dramatic noise reduction
 Longer TBO
 Improved appearance
 Latest hub design and “blended airfoil”, Scimitar blades



Cessna A188, A188A, A188B With IO-520-D engine



Basic Kit:

Part Number: C3F00129STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: C-3535-1P

1 STC Document Set: SA00470AT

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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CESSNA A188 SERIES

Applicable Models: A188, A188A, A188B

Specifications: 80 inch diameter 3-bladed, aluminum hub propeller
 2000 hour / 3 year recommended TBO, for agricultural aircraft
 81 pounds (propeller and spinner)
 Diameter reduction allowable to 77 inches

Replaces:

McCauley C58 - 82 inch diameter 2-bladed prop
 Diameter reduction allowable, 82 to 80 inches
 1200 hour / 5 year TBO

McCauley C58 - 86 inch diameter 2-bladed prop
 Diameter reduction allowable to 84 inches
 Oil fill requirement per AD 91-15-04
 1200-1500 hour / 5 year TBO

McCauley C98 - 82 inch diameter 2-bladed prop
 Diameter reduction allowable, 82 to 80 inches
 1200 hour / 5 year TBO

McCauley C98 - 86 inch diameter 2-bladed prop
 Diameter reduction allowable, 86 to 84 inches
 1200 hour / 5 year TBO

McCauley C90 - 80 inch diameter 3-bladed prop
 Diameter reduction allowable, 80 to 78.5 inches
 1200 hour / 5 years TBO

McCauley C205 - 86 inch diameter 2-blade prop
 Diameter reduction allowable, 86 to 84.5 inches
 1200 hour / 5 year TBO

McCauley C408 - 80 inch diameter 3-bladed prop
 Diameter reduction allowable to 78.5 inches
 1200 hour / 5 year TBO

Advantages:

- vs. McCauley C58 and C98 2-bladed models
 - Better take off and climb performance
 - Dramatically lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
- vs. McCauley C90 3-bladed model
 - Better take off and climb performance
 - Current design, Mc threaded design obsolete
- vs. McCauley C205 2-bladed model
 - Dramatically lower noise
 - Less blade tip erosion
- vs. McCauley C408 3-bladed model
 - Better take-off and climb performance



**Cessna 206, U206, U206A, P206A, TP206A, TU206A thru F
(to s/n: U20602199), U206B thru G (to s/n: U206-04074)
With IO-520-A, -F, TSIO-520, -C, -M engine**



Basic Kit: U206B thru U206G (to s/n: U20604074) (78" diameter) (10° low pitch) (HC indexing)

Part Number: C3F00050STP*1

1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-8R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA685AL

Basic Kit: 206, U206, U206A, P206A, TP206A, TU206A thru F (to s/n: U20602199) (78" diameter) (11.5° low pitch) (HC indexing)

Part Number: C3F00053STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-8R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA685AL

Basic Kit: U206B thru U206G (to s/n: U20604074) (78" diameter) (10° low pitch) (PHC indexing)

Part Number: C3F00131STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-8R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA685AL

Basic Kit: 206, U206, U206A, P206A, TP206A, TU206A thru F (to s/n: U20602199) (78" diameter) (11.5° low pitch) (PHC indexing)

Part Number: C3F00136STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-8R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA685AL

**Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge**



CESSNA 206 SERIES

Applicable Models: 206, U206A-U206G (to S/N U20604074), TU206 (to S/N U20602199), (T)P206A

Specifications: 78 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
76 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches

Replaces: McCauley C58, C78 - 82 inch diameter 2-bladed prop
Diameter reduction allowable to 80 inches
Oil fill requirement per AD 91-15-04
1200 - 1500 hours/5 year TBO

McCauley C79 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200 hours/5 year TBO

McCauley C90 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200 - 1500 hour/5 year TBO

Advantages:

- vs. McCauley C58, C78 2-bladed model
 - Better take-off and climb performance
 - Longer TBO
 - Dramatically lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
- vs. McCauley C79 3-bladed model
 - Longer TBO
 - Dramatically lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
- vs. McCauley C90 3-bladed model
 - Faster cruise speed
 - Lower noise
 - Longer TBO
 - Less blade tip erosion
 - Greater repair allowance
 - Current design, Mc threaded design obsolete



**Cessna 206, U206, U206A, P206A, TP206A, TU206A thru F
(to s/n: U20602199), U206B thru G (to s/n: U206-04074)
With IO-520-A, -F, TSIO-520, -C, -M engine**



Basic Kit: U206B through U206G (to s/n: U20604074) (80" diameter) (10° low pitch)

Part Number: C3F00119STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA685AL

Basic Kit: 206, U206, U206A, P206A, TP206A, TU206A thru F (to s/n: U20602199) (80" diameter) (11.5° low pitch)

Part Number: C3F00133STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA685AL

**Aircraft Serial and registration numbers required when ordering
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CESSNA 206 SERIES

Applicable Models: 206, U206A - U206G (to S/N U20604074)
TU206 (to S/N U20602199), (T)P206A

*** Note: This propeller should be especially effective for aircraft operating on floats, out of short fields, or with heavy loads.**

Specifications: 80 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
77 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches

Replaces: McCauley C58, C78 - 82 inch diameter 2-bladed prop
Diameter reduction allowable to 80 inches
Oil fill requirement per AD 91-15-04
1200 - 1500 hours/5 year TBO

McCauley C79 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200 hours/5 year TBO

McCauley C90- 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200-1500 hour / 5 year TBO

Advantages:

- vs. McCauley C58, C78 2-bladed model
 - Better take-off and climb performance
 - Longer TBO
 - Lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
- vs. McCauley C79 3-bladed model
 - Longer TBO
 - Lower noise
 - Greater repair allowance
 - Current design, Mc threaded design obsolete
- vs. McCauley C90 3-bladed model
 - Lower noise
 - Longer TBO
 - Greater repair allowance
 - Current design, Mc threaded design obsolete



**Cessna 206, P206(A), U206 – U206F & U206G
through s/n U206004074, TP206A, TU206A – TU206E
& TU206F through s/n U20602199
With IO-520-A, F, TSIO-520-C**



Basic Kit: (82" Diameter) Landplane

Part Number: C3F00046STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-4R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02752CH-D

Basic Kit: (84" Diameter) Floatplane

Part Number: C3F00042STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-2R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02752CH-D

Basic Kit: (86" Diameter) Floatplane

Part Number: C3F00043STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468AR

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02752CH-D

SEE PAGE 2 FOR EXPLICIT ELIGIBILITY AND LIMITATIONS

**Aircraft Serial and registration numbers required when ordering
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CESSNA 206

Applicable Models: Floatplane Props (84 – 86”) 206, P206(A), U206 – U206F & U206G through s/n U206004074, TP206A, TU206A – TU206E & TU206F through s/n U20602199.

Landplane Prop (82”) 206, P206A, U206, U206A, TP206A, TU206A though TU206F though s/n 20602199.

Note: Replaces short hub C58, C78, C79, C90, and C230 only.

Specifications: 82 - 86 inch diameter 3-bladed, aluminum hub propeller
 2400 hour / 6 year TBO
 82.2/82.4/82.6 pounds (propeller and spinner)
 Two inch diameter reduction allowable
 Maximum RPM 2700
 -TU206C, D, E and F using 86” (P)HC-C3YR-1RF/F8468AR are limited to 2690 RPM under this STC for noise certification
 -U206B through U206G using IO-520-F engine, take-off and max continuous RPM is limited to 2700 RPM
 - Placard (normally aspirated)
 “Continuous operation is prohibited above 26 inches MP between 2250 – 2450 RPM” (86” diameter only)
 -Placard (turbo-charged)
 “Continuous operation is prohibited above 28 inches MP between 2250 – 2450 RPM” (86” diameter only)
 -Placards do not apply to 82” or 84” diameter propellers

Replaces: McCauley C58 / C78 – 82 - 88 inch diameter 2-bladed prop
 Oil fill requirement per AD 91-15-04
 1200-1500 hour / 5 year TBO
 McCauley C79 / C90 - 80 inch diameter 3-bladed prop
 Oil fill requirement per AD 91-15-04
 1500 hour / 6 year TBO

Advantages: vs. McCauley C58 / C78 2-bladed model
 Better take-off performance
 Longer TBO
 Current design, Mc threaded design obsolete
 vs. McCauley C79 / C90 3-bladed model
 Better take-off performance
 9.5% decrease in time to accelerate to 60 MIAS
 Longer TBO
 Current design, Mc threaded design obsolete

Note: vs. all models - 3% decrease in engine out glide distance



**Cessna U206G (s/n: U20604075 and up), P206 thru P206E,
TP206A thru TP206E, TU206F
(s/n: U206-02200 to U206-03521), TU206G
With IO-520-A, -F, TSIO-520, -C, -M engine**



Basic Kit: U206G (s/n: U206-04075 and up) (78" diameter) (10° low pitch)
Part Number: J3F00017STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F8468A-8R
1 Polished Spinner: C-4582-P
1 STC Document Set: SA685AL

**Basic Kit: P206 thru P206E, TP206A thru TP206E, TU206F (s/n: U206-02200 to
U206-03521), TU206G (78" diameter) (11.5° low pitch)**
Part Number: J3F00011STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F8468A-8R
1 Polished Spinner: C-4582-P
1 STC Document Set: SA685AL

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CESSNA 206 SERIES

Applicable Models: U206G (from S/N U20604075)
TU206 (from S/N U20602200), (T)P206

Specifications: 78 inch diameter 3-bladed aluminum, extended hub propeller
2400 hour / 6 year TBO
78 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches

Replaces: McCauley C64, C73 - 82 inch diameter 2-bladed prop
Diameter reduction allowable to 80 inches
Oil fill requirement per AD 91-15-04
1200 - 1500 hours/5 year TBO

McCauley C77, C88 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200 hours/5 year TBO

McCauley C402, C404 - 80 inch 3-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

Advantages: vs. McCauley C64, C73 2-bladed model
Better take-off and climb performance
Longer TBO
Dramatically lower noise
Less blade tip erosion
Current design, Mc threaded design obsolete
vs. McCauley C77 3-bladed model
Longer TBO
Dramatically lower noise
Less blade tip erosion
Current design, Mc threaded design obsolete
vs. McCauley C88 3-bladed model
Faster cruise speed
Lower noise
Longer TBO
Less blade tip erosion
Greater repair allowance
Current design, Mc threaded design obsolete
vs. McCauley C402, C404 3-bladed model
Longer TBO
Increased ground clearance
Lower tip speed (reduced noise)



**Cessna U206G (s/n: U20604075 and up), P206 thru P206E,
TP206A thru TP206E, TU206F
(s/n: U206-02200 to U206-03521), TU206G
With IO-520-A, -F, TSIO-520, -C, -M engine**



Basic Kit: U206G (s/n: U20604075 and up) (80" diameter) (10° low pitch)
Part Number: J3F00016STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F8468A-6R
1 Polished Spinner: C-4582-P
1 STC Document Set: SA685AL

Basic Kit: P206 thru P206E, TP206A thru TP206E, TU206F (s/n: U206-02200 to U206-03521)
(80" diameter), TU206G (11.5° low pitch)
Part Number: J3F00012STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F8468A-6R
1 Polished Spinner: C-4582-P
1 STC Document Set: SA685AL

Aircraft Serial and registration numbers required when ordering
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CESSNA 206 SERIES

Applicable Models: U206G (from S/N U20604075)
TU206 (from S/N U20602200), (T)P206

*** Note: This propeller should be especially effective for aircraft operating on floats, out of short fields, or with heavy loads.**

Specifications: 80 inch diameter 3-bladed aluminum, extended hub propeller
2400 hour / 6 year TBO
79 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches

Replaces: McCauley C64, C73 - 82 inch diameter 2-bladed prop
Diameter reduction allowable to 80 inches
Oil fill requirement per AD 91-15-04
1200 - 1500 hours/5 year TBO

McCauley C77, C88 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200 hour / 5 year TBO

McCauley C402, C404 - 80 inch diameter 3-blade prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

Advantages: vs. McCauley C64, C73 2-bladed model
Better take-off and climb performance
Longer TBO
Lower noise
Less blade tip erosion
Current design, Mc threaded design obsolete

vs. McCauley C77, C88 3-bladed model
Longer TBO
Lower noise
Greater repair allowance
Current design, Mc threaded design obsolete

vs. McCauley C402, C404 3-bladed model
Longer TBO
Greater repair allowance



**Cessna 206, 206A, TU206A – TU206F s/n
U20602199, P206A, and TP206A (replacing C78,
C79, C90 only) with IO-520-A or TSIO-520-C engine**



Basic Kit:

Part Number: C3F07100STP
1 3-Bladed Propeller: HC-C3YF-1RF/F8068
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
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CESSNA 206 (IO-520 powered)

Applicable Models: U206, U206A, TU206A – TU206F s/n U20602199, P206A, and TP206A (replacing C78, C79, C90 only). (IO-520-A or TSIO-520C)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: McCauley C58 /C78 – 82 - 88 inch diameter 2-bladed prop
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C79 / C90 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

Advantages:
Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



Cessna U206B – U206G (s/n U20604074) with IO-520-F engine



Basic Kit:

Part Number: C3F07550STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8068-2

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge



CESSNA 206 (IO-520 powered)

Applicable Models: U206B through U206G (s/n U20604074). (IO-520-F)

Specifications: 80 inch dia 3-bladed, **scimitar**, aluminum hub prop
 2400 hour / 6 year TBO
 82 pounds (propeller and spinner)
 Diameter reduction allowable to 78 inches

Replaces: McCauley C58 /C78 – 82 - 86 inch diameter 2-bladed prop
 Oil fill requirement per AD 91-15-04
 1200-1500 hour / 5 year TBO
 McCauley C79 / C90 80 inch diameter 3-bladed prop
 Diameter reduction allowable to 78.5 inches
 2000 hour / 6 year TBO

Advantages:
 Improved take-off and climb performance
 Dramatic noise reduction
 Longer TBO
 Improved appearance
 Latest hub design and “blended airfoil”, Scimitar blades



**Cessna P206, P206A (replacing C73, C88), P206B
– P206E, TP206A (replacing C70, C77, C88),
TP206B – TP206E, and TU206F (s/n U20602200 -
U20603521) with IO-520-A or TSIO-520-C engine**



Basic Kit:

Part Number: J3F00552STP

1 3-Bladed Propeller: HC-J3YF-1RF/F8068

1 Polished Spinner: C-4582-1P

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
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**CESSNA 206 (IO-520 powered)**

Applicable Models: P206, P206A(replacing C73, C88), P206B thru P206E, TP206A (replacing C70, C77, C88), TP206B, thru TP206E, and TU206F (s/n U20602200 – U20603521) . (IO-520-A, TSIO-520-C)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: McCauley C70 / C73 82 inch diameter 2-bladed prop
Diameter reduction allowable to 80.0 inches
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C77, C88 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.0 inches
1200 hour / 5 year TBO

Advantages: Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



Cessna Late U206G (s/n U20604075 and after) with IO-520-F engine



Basic Kit:

- Part Number: [J3F00501STP](#)
- 1 3-Bladed Propeller: HC-J3YF-1RF/F8068-2
- 1 Polished Spinner: C-4582-1P
- 1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax **KF 6/12**
Installation and Dynamic Balancing available at an additional charge



CESSNA 206 (IO-520 powered)

Applicable Models: U206G (s/n U20604075 and after). (IO-520-F)

Specifications: 80 inch dia 3-bladed, **scimitar**, aluminum hub prop
 2400 hour / 6 year TBO
 84.75 pounds (propeller and spinner)
 Diameter reduction allowable to 78 inches

Replaces: McCauley C404 80 inch diameter 3-bladed prop
 Diameter reduction allowable to 78.5 inches
 2400 hour / 6 year TBO

Advantages:
 Improved take-off and climb performance
 Dramatic noise reduction
 Longer TBO
 Improved appearance
 Latest hub design and "blended airfoil", Scimitar blades



Cessna TU206G with TSIO-520-M engine



Basic Kit:

Part Number: J3F00551STP

1 3-Bladed Propeller: HC-J3YF-1RF/F8068

1 Polished Spinner: C-4582-1P

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
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TOP
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CONVERSIONS



CESSNA 206 (IO-520 powered)

Applicable Models: TU206G (TSIO-520-M)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
84.75pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: McCauley C402 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2400 hour / 6 year TBO

Advantages:
Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



Cessna T206H with TIO-540-AJ1A



Basic Kit:

- Part Number: [F3R00601STP](#)
- 1 3-Bladed Propeller: HC-F3YR-1ARF/F8068
- 1 Polished Spinner: D-4578-1P
- 1 STC Document Set: SA03162CH

Kit with Electric de-ice:

- Part Number: [F3R00651STP](#)
- 1 3-Bladed Propeller: HC-F3YR-1ARF/F8068K
- 1 Polished Spinner: D-4578-1P
- 1 Airframe de-ice kit: 104522
- 1 STC Document Set: SA03162CH



CESSNA T206H

Applicable Models: T206H

Specifications: 82 inch dia 3-bladed, **Scimitar**, aluminum, extended hub prop
Compatible De-ice (replaces 3 blade to 3 blade only)
2400 hour / 6 year TBO
86.0 pounds (propeller and spinner)
Diameter reduction allowable to 80 inches

Replaces: McCauley C432 79 inch diameter 3-bladed propeller
Diameter reduction allowable to 77.0 inches
2400 hour / 6 year TBO

Advantages:

- Improved climb performance - + 10% (60 fpm) over 79" McCauley at maximum gross weight.
- Better cruise performance than 79" McCauley (1-4 knots delta improves with altitude).
- Noise – 81.2 dB(a) measured per FAR 36, Appendix G.
- Compatible De-ice



Cessna 207, 207A With IO-520-F engine



Basic Kit: (78" diameter)

Part Number: C3F00052STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-8R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA696AL

Basic Kit: (80" diameter)

Part Number: C3F00119STP*1

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA696AL

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CESSNA 207 SERIES

Applicable Models: 207, 207A

Specifications: 78 or 80 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
76 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches

Replaces: McCauley C58, C78 - 82 inch diameter 2-bladed prop
Diameter reduction allowable to 80 inches
Oil fill requirement per AD 91-15-04
1200 - 1500 hours/5 year TBO

McCauley C79 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200 hours/5 year TBO

McCauley C90 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200 - 1500 hour/5 year TBO

Advantages:

- vs. McCauley C58, C78 2-bladed model
 - Better take-off and climb performance
 - Longer TBO
 - Dramatically lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
- vs. McCauley C79 3-bladed model
 - Longer TBO
 - Dramatically lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
- vs. McCauley C90 3-bladed model
 - Faster cruise speed
 - Lower noise
 - Longer TBO
 - Less blade tip erosion
 - Greater repair allowance
 - Current design, Mc threaded design obsolete



Cessna T207, T207A With TSIO-520-G, -M engine



Basic Kit: (80" diameter)

Part Number: C3F00139STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA696AL

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CESSNA T207 SERIES

Applicable Models: T207, T207A

Specifications: 80 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
79 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: (T207) McCauley C78 - 81.5 inch diameter 2-bladed prop
Diameter reduction allowable to 80.5 inches
Oil fill requirement per AD 91-15-04
1200 - 1500 hour / 5 year TBO

(T207) McCauley C90 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 79 inches
1200 - 1500 hour / 5 year TBO

(T207A) McCauley C401 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

Advantages:

- vs. McCauley C78 2-bladed model
 - Better take-off and climb performance
 - Longer TBO
 - Lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
- vs. McCauley C90 3-bladed model
 - Longer TBO
 - Greater repair allowance
 - Current design, Mc threaded design obsolete
- vs. McCauley C401 3-bladed model
 - Longer TBO
 - Greater repair allowance



Cessna T207, T207A with TSIO-520-G, -M engine



Basic Kit:

Part Number: C3F07102STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8068

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge



CESSNA T207 (TSIO-520 powered)

Applicable Models: T207, T207A (TSIO-520-G, -M)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
 2400 hour / 6 year TBO
 82 pounds (propeller and spinner)
 Diameter reduction allowable to 78 inches

Replaces: McCauley C78 – 81.5 inch diameter 2-bladed prop
 Diameter reduction allowable to 80.5 inches
 Oil fill requirement per AD 91-15-04
 1200-1500 hour / 5 year TBO

McCauley C401 80 inch diameter 3-bladed prop
 Diameter reduction allowable to 78.5 inches
 2400 hour / 6 year TBO

Advantages:
 Improved take-off and climb performance
 Dramatic noise reduction
 Longer TBO
 Improved appearance
 Latest hub design and “blended airfoil”, Scimitar blades



Cessna 207, 207A with IO-520-F engine



Basic Kit:

Part Number: C3F07550STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8068-2

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02821CH

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TOP PROP PERFORMANCE CONVERSIONS



CESSNA 207 (IO-520 powered)

Applicable Models: 207, 207A (IO-520-F)

Specifications: 80 inch dia 3-bladed, **scimitar**, aluminum hub prop
 2400 hour / 6 year TBO
 82 pounds (propeller and spinner)
 Diameter reduction allowable to 78 inches

Replaces: McCauley C58 – 82 inch diameter 2-bladed prop
 Oil fill requirement per AD 91-15-04
 1200-1500 hour / 5 year TBO

 McCauley C90 80 inch diameter 3-bladed prop
 Diameter reduction allowable to 78.5 inches
 2000 hour / 6 year TBO

McCauley C404 80 inch diameter 3-bladed prop
 Diameter reduction allowable to 78.5 inches
 2400 hour / 6 year TBO

Advantages:
 Improved take-off and climb performance
 Dramatic noise reduction
 Longer TBO
 Improved appearance
 Latest hub design and “blended airfoil”, Scimitar blades



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Cessna 208, 208A, 208B Caravan With PT6A-114, -114A engine

3 Bladed Propeller STC Kit:

(Includes: Propeller, Spinner, and STC Documents)

\$26,900

(\$29,400 electric de-ice)

(\$30,000 with electric de-ice, w/o start locks replace Mc)

(\$29,400 with start locks)

(\$31,400 with electric de-ice and start locks)

(\$32,000 with electric de-ice and start locks, replace Mc)

(\$32,000 with anti-ice)

(\$34,500 with anti-ice and start locks)

(Note: Please see reverse for photograph of propeller)

Kit with no anti/de-icing

Part Number: B3N00120STP

1 3-Bladed Propeller: HC-B3TN-3AF/T10890CN-2

1 Polished Spinner: D-4897-P

Kit with Electric De-ice: (w/o start-locks)

Part Number: B3N00119STP

1 3-Bladed Propeller: HC-B3TN-3AF/T10890CNK-2

1 Polished Spinner: D-4897-P

1 Electric De-ice kit (prop): 7931-5E2715-1

Kit with Electric De-ice: (w/o start-locks, replacing a McCauley)

Part Number: B3N00119STP*1

1 3-Bladed Propeller: HC-B3TN-3AF/T10890CNK-2

1 Polished Spinner: D-4897-P

1 Electric De-ice kit (prop): 7931-5E2715-1

1 Electric De-ice kit (airframe): 7931-5E2715-3

Basic Kit: (w/start-locks)

Part Number: B3N10010STP

1 3-Bladed Propeller: HC-B3TN-3AFY/T10890CN-2

1 Polished Spinner: D-4897-P

Kit with Electric De-ice: (w/start-locks)

Part Number: B3N10020STP

1 3-Bladed Propeller: HC-B3TN-3AFY/T10890CNK-2

1 Polished Spinner: D-4897-P

1 Electric De-ice kit (prop): 7931-5E2715-1

Kit with Electric De-ice: (w/ start-locks, replacing a McCauley)

Part Number: B3N10020STP*1

1 3-Bladed Propeller: HC-B3TN-3AFY/T10890CNK-2

1 Polished Spinner: D-4897-P

1 Electric De-ice kit (prop): 7931-5E2715-1

1 Electric De-ice kit (airframe): 7931-5E2715-3

Kit with Fluid Anti-ice:

Part Number: B3N21700STP

1 3-Bladed Propeller: HC-B3TN-3AF/T10890CNB-2

1 Polished Spinner: D-4897-2P

1 Anti-ice kit (prop): 105014

Kit with Fluid Anti-ice: (w/ start-locks)

Part Number: B3N21750STP

1 3-Bladed Propeller: HC-B3TN-3AFY/T10890CNB-2

1 Polished Spinner: D-4897-2P

1 Anti-ice kit (prop): 105014

ALL KITS INCULDE STC DOCUMENT SET: SA02181AK

Telephone: (800) 942-7767

Internet: www.hartzellprop.com

Fax: (937) 778-4215

Email: topprop@hartzellprop.com



CESSNA CARAVAN

Applicable Models: 208, 208A, 208B

Specifications: 106 inch diameter 3-bladed, steel hub propeller
 Diameter reduction allowable to 104 inches
 Weight of propeller = 146.7 lbs.
 Spinner = 9.0 lbs.
 De-ice = 2.8 lbs.
 3000 hour / 5 year TBO

Replaces: McCauley C703 - 106 inch diameter 3-bladed prop
 Diameter reduction allowable to 104 inches
 Weight of propeller = 117.0 lbs.
 Spinner =
 De-ice =
 4000 hour / 6 year TBO

Hartzell HC-B3MN - 100 inch diameter 3-bladed composite prop
 No diameter reduction allowable
 Weight of propeller = 134.7 lbs.
 Spinner = 9.0 lbs.
 De-ice = 2.8 lbs.
 3000 hour / 5 year TBO

Advantages:

- Climb and cruise performance are as good as or slightly better than the McCauley C703 (+25 ft/min, +3kts measured)
- Take off distance, unchanged
- Greatest blade repair allowance available for the Caravan
- Optional start-locks improve handling for float planes
- Both electric de-ice and fluid anti-ice kits maintain Flight Into Known Icing (FIKI)

Notes:

- Approved for landplane & seaplane
- Anti-ice kit compatible with TKS ice protection system
- Common electrical hardware not included in the de-ice kit



Cessna 208, 208A, 208B Caravan EX With PT6A-140 engine



Kit with no anti-icing

Part Number: B3N21050STP
1 3-Bladed Propeller: HC-B3TN-3AF/T10890CN-2
1 Polished Spinner: D-4897-P

Kit with Fluid Anti-ice:

Part Number: B3N21100STP
1 3-Bladed Propeller: HC-B3TN-3AF/T10890CNB-2
1 Polished Spinner: D-4897-1P
1 Anti-ice kit (prop): 105014

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com

Fax: (937) 778-4215
Email: topprop@hartzellprop.com

TOP PROP PERFORMANCE CONVERSIONS



CESSNA 208B CARAVAN EX

Applicable Models: 208B s/n 208B2197 and 208B5000 and later.

Specifications: 106 inch diameter 3-bladed, steel hub propeller
Diameter reduction allowable to 104 inches
Weight of propeller = 146.7 lbs.
Spinner = 9.0 lbs..
Anti-ice = 2.6 lbs..
3000 hour / 5 year TBO

Advantages: Original equipment on Caravan EX.
Prop TC validated in all countries where Caravan EX is approved.

Notes:

- Approved for landplane & seaplane
- Anti-ice kit compatible with factory TKS ice protection system.



Cessna 210 – 210C, 205, 205A With IO-470-E, -S engine



Basic Kit:

- Part Number: C2F00355STP
- 1 2-Bladed Propeller: HC-C2YF-1BF/F8468A-2
- 1 Polished Spinner: C-3568-P
- 1 STC Document Set: SA02246CH-D

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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**CESSNA 210**

Applicable Models: 210, 210A, 210B, 210C, 210-5 (205), 210-5A (205A), (IO-470-E, IO-470-S engine)

Note: Governor change may be necessary on some airplanes.

Specifications: 82 inch diameter 2-bladed, aluminum hub
2400 hour / 6 year TBO
60.5 pounds (propeller and spinner)
Diameter reduction allowable to 80 inches

Replaces:

Hartzell HC-A2XF-1/8433-2 82 inch steel hub propeller
Diameter reduction allowable to 80 inches
1000 hr. / 5 year TBO
68 pounds (propeller and spinner)
Subject to A.D. 97-18-02 Rev. 1

McCauley C58/C49/C33 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 inches
1200-1500 hours/5 year TBO
65/61.5 pounds (propeller and spinner)
Subject to AD 63-08-04 and/or 64-24-04

Advantages:

Current design
Longer TBO
No expensive or repetitive airworthiness directives
Very reasonably priced
Improved appearance



Cessna 210 thru 210C, 210-5, and 210-5A with IO-470-E or -S engine



Basic Kit:

Part Number: C3F01901STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8068

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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Email: topprop@hartzellprop.com

TOP PROP PERFORMANCE CONVERSIONS



CESSNA 210 (IO-470 powered)

Applicable Models: 210 thru 210C, 210-5, and 210-5A (IO-470-E, -S)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces:

McCauley C33/C34/C58/C49 – 82 inch diameter
2- bladed propeller
Diameter reduction allowable to 80.0 inches
1200-1500 hours/5 year TBO
Oil fill requirement per AD 91-15-04

McCauley C435 – 80 inch diameter
3- bladed propeller
Diameter reduction allowable to 78.0 inches
2400 hours/6 year TBO

Advantages:

- Improved take-off and climb performance
- Dramatic noise reduction
- Longer TBO
- Improved appearance
- Latest hub design and “blended airfoil”, Scimitar blades



Cessna 210D with IO-520-A engine



Basic Kit:

Part Number: C3F07100STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8068

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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CESSNA 210D

Applicable Models: 210D (IO-520-A)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces:

McCauley C58 – 82 inch diameter
2- bladed propeller
Diameter reduction allowable to 80.0 inches
1200-1500 hours/5 year TBO
Oil fill requirement per AD 91-15-04

McCauley C230 – 82 inch diameter
2 bladed propeller
Diameter reduction allowable to 80.0 inches
2400 hours/6 year TBO

Advantages:

Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



Cessna 210F-N & T210F-L With IO-520-A,J,L or TSIO-520-C,H engines



Basic Kit:

- Part Number: J3F00020STP
- 1 3-Bladed Propeller: PHC-J3YF-1RF/F7691
- 1 Polished Spinner: C-4582-P
- 1 STC Document Set: SA00773AT

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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CESSNA 210

Applicable Models: 210 F,G,H,J,K,L,M,N (IO-520-A,J,L)
T210F,G,H,J,K,L (TSIO-520-C,H)
(NO 0-470 engines)

***Note: The original STC was for the 210K, L, M & N models (IO-520-L only), STC was amended in late 2009.**

****Note: A newer, blended airfoil scimitar propeller is also available for some of these models.**

Specifications: 78 inch dia 3-bladed, **scimitar**, aluminum, extended hub prop
2400 hour / 6 year TBO
77.3 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches
Placard - "Do not exceed 20 inch of manifold pressure below 2200 RPM."

Replaces:

McCauley C70/73 – 82/83 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 inches
1200-1500 hours/5 year TBO
Oil fill requirement per AD 91-15-04

McCauley C77/88 - 80 inch diameter 3-bladed propeller
Diameter reduction allowable to 78 inches
1200-1500 hours/5 year TBO

McCauley C404 - 82 inch diameter 3-bladed propeller
Diameter reduction allowable to 78.5 inches
1700 hours/5 year TBO

Advantages:

Better take-off and climb performance
Same or slightly better cruise performance
Longer TBO
Dramatically lower noise
Improved appearance
Less blade tip erosion
Current design



Cessna 210E-J, T210F – L with IO-520-A, -J, TSIO-520-C, -H engine



Basic Kit:

- Part Number: J3F00552STP
- 1 3-Bladed Propeller: HC-J3YF-1RF/F8068
- 1 Polished Spinner: C-4582-1P
- 1 STC Document Set: SA02821CH

Kit with Electric de-ice (28 volt system only):

- Part Number: J3F00601STP or J3F00601STP*1
- 1 3-Bladed Propeller: HC-J3YF-1RF/F8068B
- 1 Polished Spinner: C-4582-1P
- 1 Propeller de-ice kit: 103262
- 1 Airframe de-ice kit: 103307 or 103308
- 1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge



CESSNA 210, T210

Applicable Models: 210E-J (IO-520-A, -J engine), T210F-K, T210L (TSIO-520-C, -H engine)

***De-ice note: 28volt 3 blade to 3 blade electric de-ice system only. Aircraft must have been previously equipped with de-ice. Electric de-ice kit eligible on model T210L only.**

Aircraft s/n 21059503 through 21061141 require a 103307 airframe kit which includes new slip ring, modular brush block assy, etc. Aircraft s/n 21061142 through 21061573 requires a 103308 airframe kit which utilizes all major components of the aircraft's original propeller de-ice system. A J3F00601STP*1 kit should be ordered for the earlier serial number range.

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum, extended hub prop
2400 hour / 6 year TBO
84.75 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: McCauley C70/C73 – 82/83 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 inches
1200-1500 hours/5 year TBO
Oil fill requirement per AD 91-15-04

McCauley C77/C88 - 80 inch diameter 3-bladed propeller
Diameter reduction allowable to 78 inches
1200-1500 hours/5 year TBO

Advantages:
Better take-off and climb performance
Better cruise performance
Noise reduction
Longer TBO
Improved appearance
Current design



Cessna 210K thru 210N with IO-520-L engine



Basic Kit:

- Part Number: J3F00501STP
- 1 3-Bladed Propeller: HC-J3YF-1RF/F8068-2
- 1 Polished Spinner: C-4582-1P
- 1 STC Document Set: SA02821CH

Kit with Electric de-ice (28 volt system only):

- Part Number: J3F00650STP or J3F00650STP*1
- 1 3-Bladed Propeller: HC-J3YF-1RF/F8068B-2
- 1 Polished Spinner: C-4582-1P
- 1 Propeller de-ice kit: 103262
- 1 Airframe de-ice kit: 103307 or 103308
- 1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

KF 6/12



CESSNA 210K, 210L, 210M, 210N

Applicable Models: 210K through 210N (IO-520-L engine)

***De-ice note: 28volt 3 blade to 3 blade electric de-ice system only. Aircraft must have been previously equipped with de-ice. Electric de-ice kit eligible on model 210L and later.**

Aircraft s/n 21059503 through 21061141 require a 103307 airframe kit which includes new slip ring, modular brush block assy, etc. Aircraft s/n 21061142 and after require a 103308 airframe kit which utilizes all major components of the aircraft's original propeller de-ice system.

Specifications: 80 inch dia 3-bladed, **scimitar**, aluminum, extended hub prop
2400 hour / 6 year TBO
84.75 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces:

McCaughey C73/203 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 inches
1200-1500 hours/5 year TBO or
2400 hours / 6 years
Oil fill requirement per AD 91-15-04

McCaughey C88/C404 - 80 inch diameter 3-bladed propeller
Diameter reduction allowable to 78.5 inches
1200-1500 hours/5 year TBO or
2400 hours / 6 years

Advantages:

Better take-off and climb performance
Better cruise performance
Noise reduction
Longer TBO
Improved appearance
Current design



Cessna T210M, T210N, & P210N TSIO-520-R, P, AF



Basic Kit:

Part Number: J3F00551STP
1 3-Bladed Propeller: HC-J3YF-1RF/F8068
1 Polished Spinner: C-4582-1P
1 STC Document Set: SA02821CH

Kit with Electric de-ice:

Part Number: J3F00602STP
1 3-Bladed Propeller: HC-J3YF-1RF/F8068B
1 Polished Spinner: C-4582-1P
1 Propeller de-ice kit: 103262
1 Airframe de-ice kit: 103308
1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
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TOP
PROP
PERFORMANCE
CONVERSIONS



CESSNA T210M, T210N, P210N

Applicable Models: T210M, T210N, and P210N

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum, extended hub prop
2400 hour / 6 year TBO
84.75 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces:

McCauley 402 – 80 inch diameter 3-bladed propeller
Diameter reduction allowable to 78.5 inches
1200-1500 hours/5 year TBO

McCauley C88 - 80 inch diameter 3-bladed propeller
Diameter reduction allowable to 78.5 inches
1200-1500 hours/5 year TBO

Advantages:

Better T.O and climb performance - 4% decrease in time to climb 23K
Better cruise performance than C402 (1 - 3 knots)
Noise reduction
Longer TBO
Improved appearance
Current design



Cessna 310, 310A, B, C, D, E, F, G, H, E310H With O-470-M, IO-470-D engine



Basic Kit: 310, 310A, 310B

Part Number: C2F00416STP

2 2-Bladed Propellers: HC-C2YF-2CUF/FC8468-3

2 Polished Spinners: C-2285-4P

1 STC Document Set: SA00799CH

Basic Kit: 310(C-H), E310H

Part Number: C2F00418STP

2 2-Bladed Propellers: HC-C2YF-2CUF/FC8468-3

2 Polished Spinners: C-2285-4P

1 STC Document Set: SA00799CH

Kit with Alcohol Anti-ice: 310, 310A, 310B

Part Number: C2F00417STP

2 2-Bladed Propellers: HC-C2YF-2CUF/FC8468B-3

2 Polished Spinners: C-2285-4P

1 Alcohol Anti-ice kit: A-2374-1

1 STC Document Set: SA00799CH

Kit with Alcohol Anti-ice: 310(C-H), E310H

Part Number: C2F00419STP

2 2-Bladed Propellers: HC-C2YF-2CUF/FC8468B-3

2 Polished Spinners: C-2285-4P

1 Alcohol Anti-ice kit: A-2374-1

1 STC Document Set: SA00799CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge



CESSNA 310

Applicable Models: 310, 310A, 310B, 310C, 310D, 310E, 310F, 310G, 310H, E310H
* Note: STC does not cover the C310 with the O-470-B engines

Specifications: 81 inch diameter 2-bladed, aluminum hub propeller
2400 hour / 6 year TBO
Diameter reduction allowable to 80 inches
68 pounds each (propeller and spinner)
Placard - "Do not exceed 20 inches of manifold pressure between 2100 and 2250 rpm".

Replaces: Hartzell HC-82XF-2 or HC-A2XF-2 - 84 to 78 inch diameter
2-bladed steel hub propellers
Diameter reduction allowable to 78 inches
72 pounds each (propeller and spinner)
Blade retention system inspection AD 97-18-02
1000 hour / 5 year TBO

McCauley C48 - 80 inch diameter 2-bladed propeller
Diameter reduction allowable to 78 inches
72 pounds each (propeller & spinner)
1200 hour / 5 year TBO

Advantages: Aircraft empty weight decreases by 8 pounds
Eliminates AD 97-18-02
Current production design



**Cessna 310I, 310P, T310P, 310Q, T310Q, 310R,
T310R
With O-470, IO-470, IO-520, TSIO-520 engine**



Basic Kit:

Part Number: C3F00195STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663D-2R
2 Polished Spinners: C-4558-2P
1 STC Document Set: SA234CH

Kit with Electric De-ice: (TSIO/IO-520 engine)

Part Number: C3F00198STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663DB-2R
2 Polished Spinners: C-4558-2P
1 Electric De-ice kit (airframe): 7931-65-600-2
1 STC Document Set: SA234CH

Kit with Electric De-ice: (IO-470 engine)

Part Number: C3F00198STP*1
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663DB-2R
2 Polished Spinners: C-4558-2P
1 Electric De-ice kit (airframe): 7931-65-600-5
1 STC Document Set: SA234CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge



CESSNA 310

Applicable Models: 310I, 310P, T310P, 310Q, T310Q, 310R, T310R

Specifications: 76 inch dia. 3-bladed, aluminum hub prop
 Diameter reduction allowable to 74 inches
 2400 hour / 6 year TBO
 88.6 pounds each (propeller and spinner)

Replaces: McCauley C52, C71 - 81 inch diameter 2-bladed prop
 Diameter reduction allowable to 79 inches
 66 pounds each (propeller & spinner)
 1200 hour / 5 year TBO

McCauley C87, C504 - 78 inch diameter 3-bladed
 Diameter reduction allowable to 74 inches
 83 pounds each (propeller & spinner)
 1200-1500 hour (C504 1600 hours) / 5 year TBO

Advantages:

- vs. 2-bladed props
 - Longer TBO
 - Lower noise
 - Improved appearance
 - Improved ground clearance, less blade tip erosion
 - Smoother overall operation
- vs. 3-bladed props
 - Eliminates McCauley C87 inspection requirements
 - Longer TBO
 - Improved ground clearance, less blade tip erosion



**Cessna T310-P, -Q, -R, 320-D, -E, -F, 340(A), 402C,
414(A)
With TSIO-520 engines (285 – 350 hp)**



Basic Kit:

Part Number: C3F00260STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7693DF
2 Polished Spinners: D-7267-2P
1 STC Document Set: SA09971SC-D

Kit with Electric De-ice:

Part Number: C3F00270STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7693DFB
2 Polished Spinners: D-7267-2P
1 STC Document Set: SASA09971SC-D

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Twin Cessna

Applicable Models: T310-P, -Q, -R. 320-D, -E, -F. 340 and 340A, 402C, 414, and 414A.

Specifications: 78 inch dia. 3-bladed, aluminum hub prop
 Diameter reduction allowable to 76 inches
 2400 hour / 6 year TBO
 87.5 pounds each (propeller and spinner)

Engine: Continental TSIO-520 series;

Eligible Aircraft:	1. T310-P,-Q, -R	Standard Aircraft	285 hp B/BB
	T310-P,-Q, -R	RAM STC	300 hp E/EB
	2. 320-D, -E, -F	Standard Aircraft	285 hp B/BB
	320-D, -E, -F	RAM STC	300 hp E/EB
	3. 340	Std. Aircraft/ Std. GW	285 hp K/KB
	340	@ Std. GW	310 hp J/JB
	340	@ Std. GW	310 hp N/NB
	4. 340/340A	GW1, Series III or IV	325 hp NB
	340/340A	GW1, Series IV	335 hp NB
	340/340A	GW1, Series VII	335 hp NB
	5. 402C	GW1	325 hp VB
	6. 414	GW1, Series III or IV	325 hp NB
	414	GW1, VG, Series IV	335 hp NB
	414	GW1, VG, Series VII	335 hp NB
	7. 414A	GW1, VG	310 hp NB
	414A	GW1, VG, Winglets	310 hp NB
	414A	GW1, VG, Series II	310 hp NB
	414A	GW1, VG, Winglets, Series II	310 hp NB
414A	GW1, VG, Series III or IV	325 hp NB	
414A	GW1, VG, Winglets, Srs.III or IV	325 hp NB	
414A	GW1, VG, Series VII	335 hp NB	
414A	GW1, VG, Winglets, Srs.VII	335 hp NB	

- Note1: All STC'ed mods listed above are owned and distributed by RAM Aircraft of Waco, TX.
- Note 2: All aircraft with R/STOL modification are NOT eligible.
- Note 3: Cessna T310-P, Q, -R and 320 -D, -E, and -F are NOT eligible with 310/325 hp TSIO -520-NB engines.
- Note 4: All Cessna model 335 and 340/340A with GW1 and Series II mods are NOT eligible.
- Note 5: All standard Cessna 401/402 including the standard 402C aircraft are NOT eligible.
- Note 6: Cessna 414 s/n 1-800, and all standard 414 aircraft with TSIO-520-JB or -NB engines are NOT eligible.
- Note 7: All standard Cessna model 414A aircraft with TSIO-520-NB engine (310 hp) are NOT eligible.

Replaces: McCauley C71 - 81 inch diameter 2-bladed prop
 Diameter reduction allowable to 79 inches
 66 pounds each (propeller & spinner)
 1200 hour / 5 year TBO

McCauley C72, C87, C504, C515, C528 - 78 inch diameter 3-blade
 Diameter reduction allowable to 74 inches
 87.5, 88, 75, 79, 81 pounds each (propeller & spinner)
 1200-1500 hour (C504/C515 2000 hours) / 6 year TBO,
 (C528 3000 hours/6 years)

Advantages: Longer TBO
 Lighter weight (402C)
 Top Prop Warranty to first overhaul



Cessna 310J, E310J, 310J-1, 310K, 310L, 310N With IO-470 engine



Basic Kit:

Part Number: J3F00072STP
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663D-2R
2 Polished Spinners: C-4558-2P
1 STC Document Set: SA234CH

Kit with Electric De-ice:

Part Number: J3F00075STP
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663DB-2R
2 Polished Spinners: C-4558-2P
1 Electric De-ice kit (airframe): 7931-65-600-5
1 STC Document Set: SA234CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com

Fax: (937) 778-4215
Email: topprop@hartzellprop.com

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CESSNA 310

Applicable Models: 310J, E310J, 310J-1, 310K, 310L, 310N

Specifications: 76 inch dia. 3-bladed, aluminum, extended hub prop
 Diameter reduction allowable to 74 inches
 2400 hour / 6 year TBO
 92 pounds each (propeller and spinner)

Replaces: McCauley C65, C81 - 81 inch diameter 2-bladed prop
 Diameter reduction allowable to 79 inches
 66 pounds each (propeller & spinner)
 1200-1500 hour / 5 year TBO

McCauley C80 - 78 inch diameter 3-bladed
 Diameter reduction allowable to 74 inches
 83 pounds each (propeller & spinner)
 1200-1500 hour / 5 year TBO

Advantages:

- vs. 2-bladed props
 - Longer TBO
 - Lower noise
 - Improved appearance
 - Improved ground clearance, less blade tip erosion
 - Smoother overall operation
- vs. 3-bladed props
 - Longer TBO
 - Improved ground clearance, less blade tip erosion



Cessna 421B, 421C With GTSIO-520-H, - L, -N engines



Kit with Electric De-ice for 421B:

Part Number: C3D00050STP

2 3-Bladed Propellers: PHC-C3YD-2UF/FC9587DB-7

2 Polished Spinners: D-3273-4P

1 STC Document Set: SA10361SC

Kit with Electric De-ice for 421C:

Part Number: C3N00205STP

2 3-Bladed Propellers: PHC-C3YN-2UF/FC9587DB-7

2 Polished Spinners: D-3273-4P

1 STC Document Set: SA10185SC

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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Twin Cessna

Applicable Models: 421B, 421C

Specifications: 90 inch dia. 3-bladed, aluminum hub prop
 Diameter reduction allowable to 88 inches
 2400 hour / 6 year TBO
 92 pounds each (propeller and spinner)

Replaces: McCauley C92, C501, C516 - 90 inch diameter 3-bladed prop
 Diameter reduction allowable to 88 inches
 88.5, 102.5, 91.9 pounds each (propeller & spinner)
 1200 hour / 5 year TBO (C92), 2000 hours / 6 years (C501/C516)

Advantages: Longer TBO
 Top Prop Warranty to first overhaul



Cessna 441 Conquest II With TPE331-8, -10N series engine



Basic Kit: (Replacing a Hartzell 3 blade or replacement of Hartzell 4 blade E4N00210STP kit)

Part Number: E4N00210STP

2 4-Bladed Propellers: HC-E4N-5A/E8501K

2 Polished Spinners: D-5319-P

1 Electric De-ice kit (prop): 7931-67-815-1 (Goodrich)

1 Electric De-ice kit (airframe): 7931-67-815-2 (Goodrich)

2 Prop Pitch Cams: 897602-1 (Garrett)

2 Seal Plugs: 3103328-1 (Garrett)

1 STC Document Set: SA00058AT

Basic Kit: (Replacing a McCauley 3 or 4 blade, or replacement of Hartzell 4 blade E4N00260STP kit)

Part Number: E4N00260STP

2 4-Bladed Propellers: HC-E4N-5B/E8501K

2 Polished Spinners: D-5319-P

1 Electric De-ice kit (prop): 7931-67-815-1 (Goodrich)

1 Electric De-ice kit (airframe): 7931-67-815-2 (Goodrich)

2 Prop Pitch Cams: 897602-1 (Garrett)

2 Seal Plugs: 3103328-1 (Garrett)

1 STC Document Set: SA00058AT

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.

Prices do not include Ohio State Sales Tax

Installation and Dynamic Balancing available at an additional charge

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Fax: (937) 778-4215
Email: topprop@hartzellprop.com



CESSNA CONQUEST II

Applicable Models: 441

Specifications: 86 inch dia. 4-bladed, aluminum hub prop
Diameter reduction allowable to 85 inches
4000 hour / 6 year TBO
147.5 pounds each (propeller and spinner)

Replaces: Hartzell HC-B3TN-5/T10178B-11 - 90 inch dia. 3-bladed prop
Diameter reduction allowable to 88.5 inches
139.7 pounds each (propeller & spinner)
3000 hour / 5 year TBO

McCauley C601 - 90 inch diameter 3-bladed prop
Diameter reduction allowable to 88.5 inches
125.5 pounds each (propeller & spinner)
3000 hour / 6 year TBO

Advantages:

- Dramatically lower noise
- Improved appearance
- Improved ground clearance, less blade tip erosion
- Smoother overall operation
- Better take-off and climb performance
- No beta tube change required