



Beech 55 Baron "Scimitar" With IO-520-C, -CB engine



Basic Kit:

Part Number: C3F00161STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7391D
2 Polished Spinners: C-3567-9P
1 STC Document Set: SA02561CH-D

Kit with Alcohol Anti-ice:

Part Number: C3F00167STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7391DB
2 Polished Spinners: C-3567-9P
2 Alcohol Anti-ice kit: 103313
1 STC Document Set: SA2561CH-D

Kit for E55(A) with Factory Air Conditioning ONLY:

Part Number: J3F00116STP*2
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391D
2 Polished Spinners: C-3567-8P
1 STC Document Set: SA2561CH-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



BEECH BARON w. IO-520 ENGINES

Applicable Models: 95-C55, 95-C55A, D55, D55A, E55, E55A,

Specifications: 75 inch diameter 3-bladed, “Scimitar” aluminum hub propellers
 2400 hour / 6 year TBO
 91.8 / 93.5 (with slinger) lb. each (prop & spinner combined)
 93.8 lb. each – Extended hub (prop & spinner combined)
 diameter reduction allowable to 73 inches

Replaces: Hartzell BHC-C2YF-2CHUF/FC8475-6 78 in. dia. 2-bladed props
 Diameter reduction allowable to 76 inches
 2400 hour / 6 year TBO
 71 pounds (prop & spinner combined)

Hartzell PHC-C3YF-2UF/FC7663-2R 76 in. dia. 3-bladed props
 Diameter reduction allowable to 74 inches
 2400 hour / 6 year TBO
 89 pounds (prop & spinner combined)

McCauley C55 - 78 inch dia. 2-bladed propellers
 64 pounds (prop & spinner combined)
 Diameter reduction allowable to 76 inches
 1200-1500 hour / 5 year TBO

McCauley C75 - 76 inch dia. 3-bladed propellers
 82 pounds each (prop & spinner combined)
 No diameter reduction allowable
 1200 hours / 5 year TBO

Advantages:

- vs. 2-bladed props
 - Lower noise (-1.1 to -5.8 dB(a) depending on orig. installation)
 - Better take-off and climb performance
 - Improved appearance
 - Less blade erosion
 - Longer TBO
 - Current design (Mc threaded design obsolete)
- vs. 3-bladed
 - Longer TBO
 - Diameter reduction allowable in event of tip damage
 - McCauley threaded designs obsolete

Note: Please note that in most cases an after market air conditioner does not change the aircraft cowling, therefore the “w/o air conditioning” spinner assembly (C-3567-9P) would be needed when ordering.

On models E55 and E55A, factory air conditioned models with long nacelles requiring the longer J3YF hub are not compatible with factory installed alcohol anti-ice systems. The propeller anti-ice system must be labeled “inop” at propeller conversion installation. Hartzell does not offer a compatible alcohol anti-ice system for these aircraft at this time.