Type of Aircraft: **Beech Baron**
FAA STC: **ST02819NY**
EASA STC: **10026785**
FAA Aircraft TCDS: **3A16**
FAA / EASA
Propeller TCDS: **P3BO / P.017**

Applicable Aircrafts

Hawker Beechcraft Model
95-C55, E55, D55, 58, G58
Engines
TCM IO-520-( ) and IO-550-( )

STC Kit Contents

Two 4-Blade Full Feathering Constant Speed Propeller	MTV-14-D-C-F/CF188-30g
Two Full Composite Spinner (AFRP)	P-576-( )
One Airplane Flight Manual Supplement	Doc. No. E-1789
One Installation Instruction	Doc. No. E-1790
One Instruction For Continued Airworthiness	Doc. No. E-1791 Rev.1
One Operation and Installation Manual	ATA 61-01-24 (E-124)

Propeller Specifications

Full Propeller Designation	MTV-14-D-C-F/CF188-30g
Propeller Hub	MTV-14-D-C-F Milled single-piece aluminum hub
Blade	CF188-30g
Blade Design	Scimitar, light-weight natural composite
Propeller De-Ice	Optional - Hot Prop De-ice System
Installed Propeller & Spinner Weight	144.2 lbs (2 propellers without de-ice)
Maximum Diameter	74 in.
Minimum Diameter	72 in.
TBO	According to SB 1 ( ) latest issue

Replaces

2-Blade and 3-Blade Hartzell and McCauley propellers

Advantages (Performance data are based on MTOW, ISA)

- Best vibration damping characteristics for almost vibration free propeller operations
- Bonded on stainless steel leading edge for best erosion protection of the blades
- Take-off distance over 50 ft obstacle reduced by 5%.
- Two engine and single engine climb performance improved by 5%
- Cruise performance is slightly improved by up to 4 kts depending on altitude and power
- Approx. 20 lbs less weight than the original metal propellers
- Unlimited blade life
- More ground clearance for less FODs
- FOD repairable blades
- Original propeller de-ice slip ring can be retained

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