* The Silent 7 *
Piper PA-46-600TP / Piper PA-46-701TP

Flyer No.: FL-142
14.07.2026

Type of Aircraft: **PA-46**
EASA STC #: **10089486**
FAA STC #: **SA12438IB**
Aircraft TCDS #: **EASA.IM.A.077**
EASA TCDS #: **P.033**

Applicable Aircraft

Piper PA46-600TP and Piper PA46-701TP

Engines

Pratt and Whitney Canada
PT6A-42A in PA-46-600TP
PT6A-52 in PA-46-701TP

STC Kit Contents

One 7-Blade Reversing and Full Feathering Constant Speed Propeller	MTV-37-1-E-C-F-R(P)/CFR205-353( )
One Full Composite Spinner (AFRP)	P-1539-1-A
One Airplane Flight Manual Supplement	Doc. No. E-4506
One Installation Instruction	Doc. No. E-4507
One Instruction for Continued Airworthiness	Doc. No. E-4508
One Operation and Installation Manual	ATA 61-10-06 (E-610)

Propeller Specifications

Full Propeller Designation	MTV-37-1-E-C-F-R(P)/CFR205-353( )
Propeller Hub	MTV-37-1-E-C-F-R(P)/ Milled single-piece aluminum hub
Blade	CFR205-353( )
Blade Design	Scimitar, light-weight natural composite
Installed Propeller & Spinner Weight per Propeller	73,6 kg (162 lbs)
Propeller Diameter	205 cm (80,71 inch)
TBO	According to SB 1 ( ) latest issue

Replaces

Removes the original propellers and the appropriate Spinners, replacing it with the MTV-37-1-E-C-F-R(P)/CFR205-353 propellers and appropriate spinners

Advantages

- Best vibration damping characteristics for almost vibration free propeller operations
- Bonded on nickel alloy leading edge for best erosion protection of the blades
- Shorter take-off distance by approx. -10 % (SL, ISA conditions)
- Enhanced climb performance by approx. 5 % (SL, ISA conditions)
- Cruise performance increased by 2-3 KTAS
- Unlimited blade life
- FOD repairable blades
.- Significant inside and outside noise reductions
- Comply with the strict German noise regulations 2010 - „Landeplatz Lärmschutz Verordnung“ for unrestricted airport operations in Germany and other European Countries

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