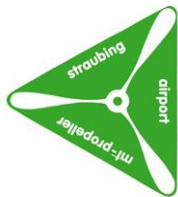


# mt-propeller



**Type of Aircraft:** Cessna FR / R 172 ( )  
**FAA STC #:** ---  
**EASA STC #:** 10078671 R4  
**Aircraft TCDS #:** FR43, US A18EU,  
**Prop EASA TCDS:** P.013  
**Prop FAA TCDS :** P25NE



**Applicable Aircraft and Engines:**

FR172E, FR172F	IO-360-D
R172E, R172F	IO-360-D/-DB
FR172G	IO-360-C/-D/-CB/-DB
R172G	IO-360-C/-D/-CB/-DB
FR172H	IO-360-C/-D/-CB/-DB/-HB
R172H	IO-360-C/-D/-H/-CB/-DB/-HB
FR172J	IO-360-H/-HB/-J
R172J	IO-360-H/-HB
FR172K	IO-360-K/-KB
R172K	IO-360-K/-KB

**STC Kit Contents**

One 3-Blade Full Feathering	MTV-12-D/188-59( )
Constant Speed Propellers	P-325-( )
Optional: One Full Composite Spinner (AFRP)	Doc. No. E-3727
One Airplane Flight Manual Supplement	Doc. No. E-3833
One Installation Instruction	Doc. No. E-3834
One Instruction for Continued Airworthiness	ATA 61-01-24 (E-124)
One Operation and Installation Manual	

**New Scimitar Design**

Classic design propeller **MTV-12-D/180-17( )** as per former LBA STC 0195-739 issued 1996-01-17

One Airplane Flight Manual Supplement	Doc. No. E-299E
One Installation Instruction	Doc. No. E-300E

**Propeller Specifications**

Full Propeller Designation	MTV-12-D/188-59( )
Propeller Hub	MTV-12-D
	Milled single-piece aluminum hub
Blade	188-59( )
Blade Design	Scimitar, light-weight natural composite
Installed Propeller Weight incl. Spinner	21.1 kg (46.5 lbs)
Diameter	188 cm (74 inch)
TBO	According to SB 1 ( ) latest issue

**Replaces** original propeller and the appropriate spinner.

**Advantages**

- 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 & climb performance slightly improved.
- Increased cruise performance by 2-3 kts.
- Up to 2 kg (5 lbs) less weight than the original propeller
- Unlimited blade life
- Increased ground clearance for less blade tip erosion

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