

# Flight-Resource, LLC

World's Largest Volume MT Propeller Distributor

www.Flight-Resource.com

1-866-717-1117

**Type of Aircraft: Mooney  
M20R, S & TN**

**Engines:  
TCM IO-550-[ ]  
(Including Turbo  
& Supercharged Engines)  
Compatible with engine change  
or modification STC's**

**FAA STC #: SA03165CH  
Aircraft TCDS: 2A3  
Propeller TCDS: P3BO**

## STC Kit Contents

One 4-Blade Constant Speed Propeller  
One Full Composite Spinner  
One Airplane Flight Manual Supplement  
One Installation Instruction  
One Operation and Installation Manual

MTV-14-D/[188 or 193]-30[ ]  
P-320-2  
Doc. No. FR1107-8  
Doc. No. FR1107-3  
ATA 61-01-24 (E-124)

## Propeller Specifications

Full Propeller Designation  
Propeller Hub

Blades

Installed Propeller & Spinner Weight  
Maximum Diameter  
Minimum Diameter  
TBO (whichever occurs first)

MTV-14-D/[185 or 193]-30[ ]  
ARP-502 Flange (174mm)  
Hub milled from single-piece aluminum billet  
-30 Series. Scimitar design.  
Light-weight Composite construction  
w/ Integrated Stainless Steel Leading Edge  
56 lbs  
76 in. (193 cm)  
74 in. (188 cm)  
2400 hrs / 72 month

## Options

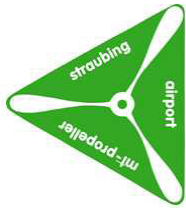
HiGlo® maintenance-free, chrome-look finish (\$470).  
De-Ice Boots, Electric (\$1800)  
Fluid De-Ice System - FIKI compatible (\$1200)

## Replaces

All Hartzell and McCauley propellers

## Advantages

- Approx. 27 lbs less weight.
- Increased static thrust & quick response to power changes
- Shorter take-off and landing distance.
- Improved rate of climb performance.
- Increased cruise performance.
- Turbine smooth operation w/ reduced noise inside and out.
- Stainless steel leading edge for best erosion protection of the blades.
- Unlimited blade and hub life.
- Reduced risk of engine damage resulting from prop strikes.
- No expensive or bothersome AD's



mt-propeller

