

PROPELLER - GENERAL

1. Scope

- A. This chapter contains information on the propeller and propeller governors. For specific information on Hartzell or McCauley propellers, refer to the applicable maintenance manual listed in the introduction - List of Vendor Publications.

2. Tools, Equipment and Materials

NOTE: Equivalent substitutes may be used for the following items:

NAME	NUMBER	MANUFACTURER	USE
Polane Black	F63B8	Sherwin-Williams 101 Prospect Ave. Cleveland, OH	To paint propeller, both face and camber.
Catalyst	V66V29	Sherwin- Williams	To harden paint.
Accelerator	V66VB11	Sherwin-Williams	To shorten paint cure time.
Polane Primer Sealer	E65A4	Sherwin-Williams	To paint propeller, both face and camber.
White Plane	Z99WB612	Sherwin-Williams	To paint propeller tip.
Spraylat Copper Lightning Guard	599SA-A8574-1	Sherwin-Williams	To paint propeller.
Polane primer	E65A4	Sherwin-Williams	To paint propeller, both face and camber.
Primer	D61-A-23	Sherwin-Williams	To paint propeller.
Catalyst	V66V27	Sherwin-Williams	To harden paint.
Wrench Extension (5/8" 12 point)	AST-2877	Hartzell Propeller 350 Washington Ave. Piqua, OH 45356	To torque propeller retaining bolts.
Beta System Compressor	CT-2834	Hartzell Propeller	To retract beta feedback ring.
Beta System Puller (PT6A-140)	CST-2987	Hartzell Propeller	To retract beta feedback ring.
Propeller Dome Nut Wrench	B-842	Hartzell Propeller	To torque nut on propeller dome.
Propeller Blade Angle Protractor	C-2820	Hartzell Propeller	To measure blade angle.
Dial Indicator		Commercially Available	To check propeller beta feedback ring (collar) axial runout.
Measuring Device	302-104	Dyer Company P.O. Box 4966 Lancaster, PA	To measure composite blade surface damage.
Composite Blade Repair/Paint Kit	A-2328-3	Hartzell Propeller	To repair composite blade minor surface damage.
Torque Wrench	509006-19	Cessna Aircraft Co.	To tighten nuts.
Torque Wrench Adapter	B-5588	McCauley Propeller Systems PO Box 7704 Wichita, KS 67277-7704	To tighten nuts.

Feedback Collar Retainer	D-5945	McCauley Propeller Systems	To retract propeller feedback collar.
Files		Commercially Available	Propeller damage repair.
120 Grit Sanding Disk (for rotary grinder)		Commercially Available	Propeller damage repair.
600 Grit Sand paper		Commercially Available	Propeller damage repair.
Crocus Cloth		Commercially Available	Propeller damage repair.
Emery Cloth (coarse grain)		Commercially Available	Propeller damage repair.
Rotary Grinder		Commercially Available	Propeller damage repair.
Alodine	MIL-PRF-83483	Hinkel Technologies 32100 Stephenson Highway Madison Heights, MI 48071	Treat exposed metal after propeller repair.
Methyl n-Propyl Ketone		Commercially Available	Cleaning.
Lubricant	MIL-G-T-83483	Commercially Available	To lubricate prop studs, nut threads and spacers.

3. Definition

- A. This chapter is divided into sections and subsections to assist maintenance personnel in locating specific systems and information. For locating specific information within the chapter, refer to the Table of Contents at the beginning of the chapter.