

**STANDARD PRACTICES AIRFRAME - GENERAL****1. Scope**

- A. This Chapter describes the standard maintenance practices for maintaining and repairing items of the airframe, and systems that are typical to more than one area or system. Maintenance practices which are unique to a particular system, or subject are described in the appropriate chapter and section in the maintenance manual.

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

NAME	NUMBER	MANUFACTURER	USE
Overall Base Paint	810 Series (Jet-Glo)	Sherman Williams 630 E. 13th St. Andover, KS 67002	Used as topcoat overall color.
Acid Resistant Enamel	Jet-Glo Urethane 571-567		Used as topcoat for battery box.
Heat Resistant Enamel (Gray)	521-520		Used for engine mount and accompanying hardware in engine compartment.
Urethane-Acrylic Paint (Gray)	WP593		Top coat for electrical power box.
Modified Urethane Paint (Seal Gray)	WP46		Finish coat for electrical power box.
Hisolids Corrosion Primer	483-928	U.S. Paint Corp. 831 S. 21st St. St. Louis, MO 63103	Used as overall intermediate primer.
	R4001-K14 MAX COR		Epoxy Primer Base
Polyester	PCA-1575-GP1	Polymer Corp. 2120 Fairmont Ave. Reading, PA 19612-4235.	Used as topcoat for landing gear.
Chromated Etch Primer	U2655 Wash Primer and 142265 Reducer	Sterling Laquer 3150 Brannon Ave. St. Louis, MO 63139	To prime bonded or spot welded assemblies.
Epoxy Primer	454-4-1 Base and CA-109 Converter, 513J102 Base and 91J138 Converter	DuPont 251 Brandywine Bldg. Wilmington, DE 19803	To prime interior surfaces of wing fuel bays and all detail parts. To prime interior surfaces of wing fuel bays.
Intermediate Epoxy Primer	825-8136 Base and VG8392 Activator, T3871 Thinner		To prime aluminum airplane exterior. To thin intermediate epoxy primer.
Polishing Compound	808 Polishing Compound		To rub out over spray.
Fireproof Coating (Intumescent Paint)	No.173, K000499	Flame Control Coatings 4120 Hyde Park Blvd. P.O. Box 786 Niagra Falls,, NY 14302	Fireproof coating of electrical power box.
	Oakite EPA	Oakite Products Inc. 50 Valley Rd. Berkeley Heights, NJ 07922	To remove difficult epoxies and polyurethane.
	1717 SC	B & B Chemical Co. Inc. 875 W 28th St Hialeah, FL 33010	
	5075 NP		

Paint Remover	PR-4028	Eldorado Chemical Co. 14358 Lookout Road San Antonio, TX 78265-4837	To remove epoxies and urethane paint.
	Turco T-6776 LO	ELF Atochem North America, Inc. Turco Div. P.O. Box 5780 Winston-Salem, NC 27113	To remove lacquers, alkyds, epoxies and urethane paint.
	SPC-909	Akzo Nobel Coatings Inc. 2031 Nelson Miller Parkway Louisville, KY 40223	To remove Polyurethane, epoxy and other aircraft coating systems.
Tape	Masking Tape, Y-231	3M Co. 3M Center Minneapolis, MN 55144	To hold masking paper in place.
Cloth	Hex Wiping Cloth	Commercially Available	With solvent to clean airplane exterior.
Cleaning Solvent	Aliphatic Naptha		To clean acrylic.

## 2. Definition

- A. This chapter is divided into subjects and sections to aid maintenance personnel in locating information. Consulting the Table of Contents will further assist in locating a particular subject. A brief definition of the subjects and sections incorporated in this chapter is as follows.
- (1) The subject on Material and Tool Cautions describes general cautions and warnings applicable to maintenance on or around the airplane.
  - (2) The subject on Torque Data describes maintenance practices for torquing tools, torquing requirements, formulas and torque limits for various type fasteners.
  - (3) The subject on Safeying describes the proper methods and use of safety wire/lockwire, cotter pins and lock clip installations.
  - (4) The subject on Control Cables and Pulleys describes the construction, examination and storage of cable assemblies and pulleys.
  - (5) The section on Solvents, Sealants and Adhesives provides the description and uses for solvents and cleaners; fuel, weather, pressure and high-temperature sealing; and the application of adhesives and solvent bonding.
  - (6) The subject on Conversion Data contains information converting the more commonly used measuring units found in the Maintenance Manual.