

## WINDOWS - GENERAL

### 1. Scope

A. This chapter covers windows used in the flight compartment, cargo compartment and passenger compartment.

### 2. Tools, Equipment and Materials

**NOTE:** Equivalents are permitted for the items that follow:

NAME	NUMBER	MANUFACTURER	USE
Aliphatic Naphtha	Type II Federal Specification TT-N-95	Commercially Available	To remove deposits from windshields and windows.
Chogel-20		Echo Laboratories RD#1, Box 297 Titusville, PA 16354	To couple the prism to the window.
Great Reflections Paste Wax		E.I. DuPont DeNemours and Co.(Inc.) Wilmington, DE 19898	To wax acrylic windshields and windows.
Inspection Prism Kit	AWR P-17	Aircraft Windows Repairs Company 2207 Border Ave. Torrance, CA 90501-3612	To do the optical inspection of the windows. Note 2
Masking Paper	WPL-3	St. Regis Paper Co. 156 Oak St. Newton, MA 02164-1440	To protect surfaces from solvent attack.
Mild Soap or Detergent (hand dishwashing type without abrasives)		Commercially Available	To clean windshields and windows.
Mirror Glaze	MGH-7	Meguiars Mirror Bright Polish 210 N First Ave. Arcadia, CA 91006	To clean and polish acrylic windshields and windows.
Optical Prism		Fabricate	To do the optical prism inspection of the windows.
Optical Prism	6580000-1 NOTE: The 6580000-1 Optical Prism will not look exactly like the prism illustrated in this manual	Cessna Aircraft Company Cessna Parts Distribution 5800 E. Pawnee 1521 Wichita, KS 67218	To do the optical prism inspection of the windows.
Optical Prism	AWR P-17	Aircraft Window Repairs Company 2207 Border Ave. Torrance, CA 90501	Alternate prism to do the optical prism inspection of the windows.
Permatex	403D	Loctite Corp. North America Group 1001 Trout Brook Crossing Rocky Hill, CT 06067	To clean and polish acrylic windshields and windows.
Poly-Spotstick	5 X N	St. Regis Paper Co.	To protect surfaces from solvent attack.
Propylene Glycol	PR130USP	Del Amo Chemical Co. 535 W 152 St. Gardena, CA 90248 Phone: (310) 532-9214	A couplant used between the prism and the window.

Protex 10VS		Mask Off Company	To protect surfaces from solvent attack.
Protex 40		Mask Off Company 345 W. Maple Avenue Monrovia, CA 91016-3331	To protect surfaces from solvent attack.
Scotch Black Tape	344	Commercially Available	To protect surfaces from solvent attack.
Sealant	FS-4291	H.B. Fuller Company 3530 Lexington Ave. North St. Paul, MN 55126-8076	To seal windshield and windows.
Sealant Tape 25 ft.	U000927S	H.B. Fuller Company 3530 Lexington Ave. North St. Paul, MN 55126-8076	To seal windows.
Sealant Tape 50 ft.	U554426	H.B. Fuller Company 3530 Lexington Ave. North St. Paul, MN 55126-8076	To seal windows.
Sealant	890/890A U544059	PRC-DeSoto International 5454 SanFernando Rd. Glendale, CA 91203	To seal windshield and windows.
Slip-Stream Wax		Classic Chemical 3131 Turtle Creek Suite 1010 Dallas, TX 75219-5415	To wax acrylic windshields and windows.
Soft cloth, such as cotton flannel or cotton terry cloth		Commercially Available	To apply and remove wax and polish.
Turtle wax (paste)		Turtle Wax, Inc. 5655W 73rd St Chicago, IL 60638-6211	To wax acrylic windshields and windows.
Ultragel II		Sonotech, Inc. 774 Marine Drive Bellingham, WA 98225 Email: www.sonotech-inc.com	To couple the prism to the window.
White Light Source (Flash or Penlight)		Commercially Available	To supply light to the area that you inspect.
White Spary Lab	MIL-C-6799 Type I, Class II	Commercially Available	To protect surfaces from solvent attack.

**NOTE:** The prism will let you examine the windshield fastener holes without the removal of the shroud.

**NOTE:** You can use equivalent couplants. However the operator or the inspector will make sure that the material will not cause damage to the window surface, painted surface, or airplane structure.

### 3. Definition

- A. This chapter is divided into 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 sections incorporated in this chapter is as follows:
- (1) The section on windshields and windows provides general information on the care and cleaning of all acrylic sheets used on the airplane.
  - (2) The section on flight compartment windows provides information on the windshields and side windows in the flight compartment.

- (3) The section on cabin windows provides information on windows used in the cabin area.
- (4) The section on door windows provides information on windows used in various doors.