

fuselage.

- c. Install the stabilator trim assembly and aft trim cable per instructions given in Installation of Stabilator Trim Assembly, Section V.
- d. Install the rudder per paragraph 4-25.
- e. Pull the electrical and antenna leads through the vertical fin with the line that was attached.
- f. Connect the antenna leads to the proper terminals and secure with washers and nuts.
- g. Connect the electrical leads at the disconnects and insulate.
- h. Rig and adjust the rudder and trim control cables as given in Section V.
- i. Check the operation of the radios and electrical lights.
- j. Replace all fairings and access plates, and secure with attaching screws.

4-29. FUSELAGE ASSEMBLY.

4-30. WINDSHIELD.

4-31. REMOVAL OF WINDSHIELD.

- a. Remove the collar molding from around the bottom of the windshield and the trim strip from between the windshield halves by removing the attaching screws.
- b. Remove the windshield by raising the lower portion of the windshield and carefully pulling it out and downward to release the top and side edges.

NOTE

A damaged windshield should be saved since it can be used as a pattern for drilling required holes in the new windshield.

- c. Clean the old tape and sealer from the windshield channels, strips and divider post.

4-32. INSTALLATION OF WINDSHIELD. (Refer to Figure 4-5.)

- a. Be certain that the new windshield outside contours are the same as that of the old windshield. It may be found that it is necessary to cut or grind the new windshield to acquire the proper dimensions.
- b. Apply black vinyl plastic tape around the outer edges of the entire windshield.

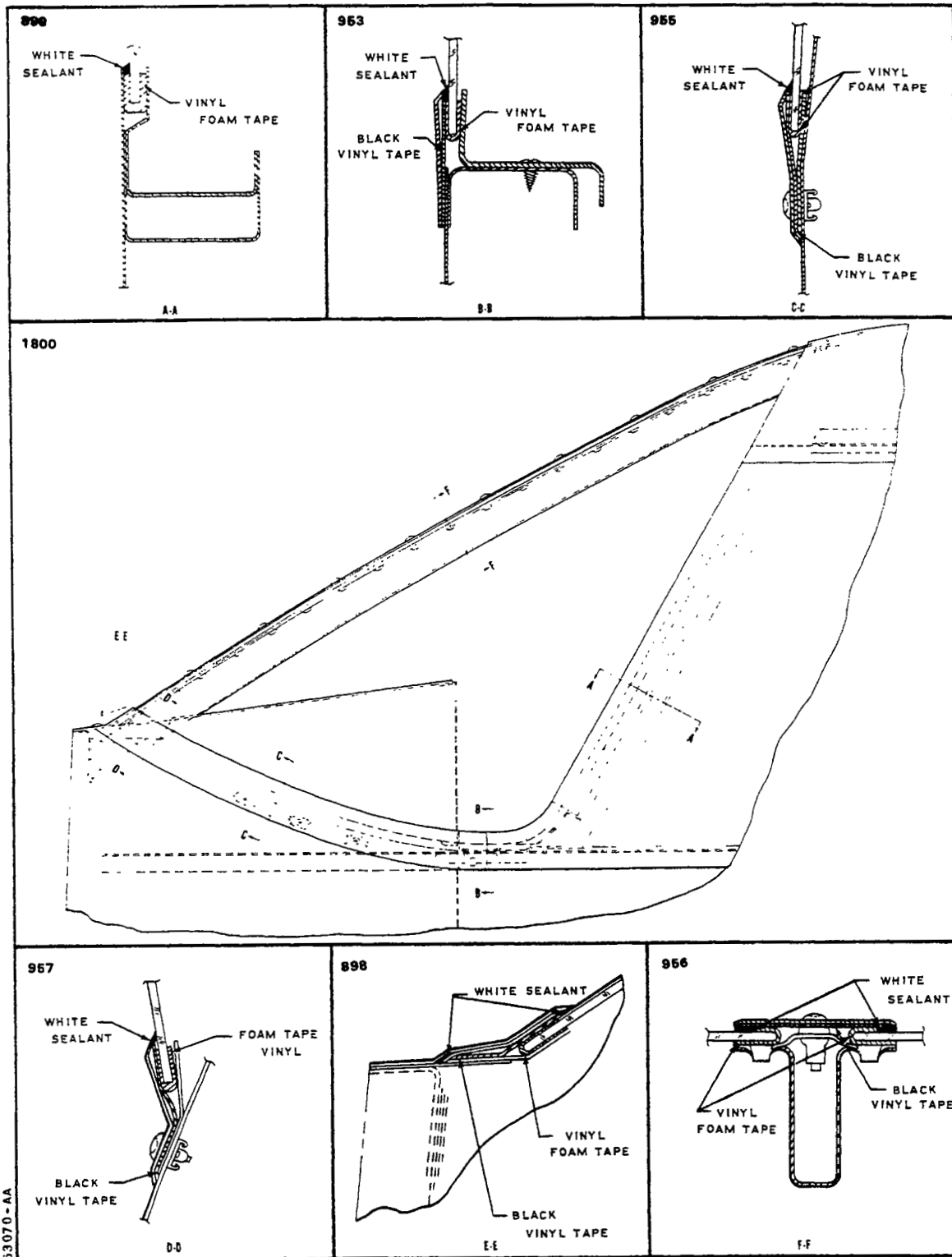


Figure 4-5. Windshield Installation (Typical)

- c. Apply Behr-Manning vinyl foam tape number 560 or equivalent over the plastic tape, completely around the edges of the windshield.
- d. Apply Behr-Manning sealant number PRC 5000 or equivalent under the edge of the moldings and trim strips.
- e. Place the windshield in position for installation and slide the windshield aft and up into place, using caution not to dislocate the tape around the edges. Allow clearance between the two windshields at the divider post for expansion.
- f. Lay sealant at the bottom and center (inboard) of the windshield in the hollow between the outside edge and channel.
- g. Lay a small amount of sealant under the center trim strip, install and secure.
- h. Lay black vinyl tape on the underside of the collar molding, install and secure.
- i. Seal with sealant any areas around windshield that may allow water to penetrate past the windshield.
- j. Remove excess exposed sealer to tape.

4-33. SIDE WINDOWS.

4-34. REMOVAL OF SIDE WINDOWS. PA-28 airplanes are equipped with a single pane side windows, the exception being the PA-28-235, Serial Nos. 28-10720 to 28-7210033 inclusive, which are installed with double pane side windows. For removal of both types of windows, the following instructions may be used:

- a. Single Panel.
 - 1. Remove the retainer molding from around the window by removing the attachment screws.
 - 2. Carefully remove the window from the frame.

NOTE

A damaged window should be saved to provide a pattern for shaping the new window.

- 3. Remove excess tape and sealer from the window frame and molding.
- b. Double Pane.
 - 1. Remove the trim and retainer moldings from around the window by removing the attachment screws.
 - 2. Carefully remove the window from the frame.

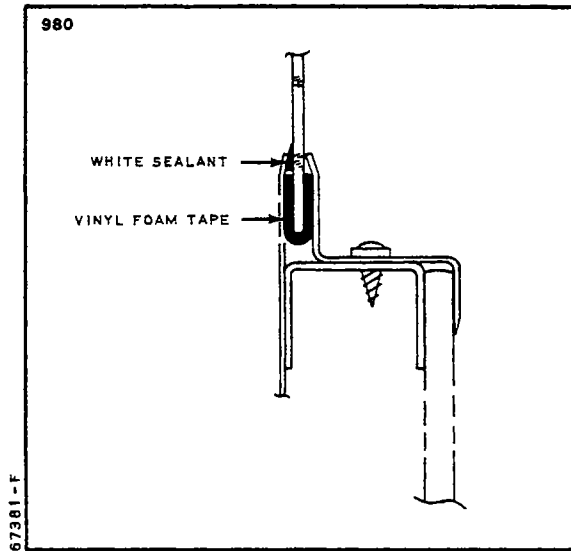


Figure 4-6. Side Window Installation, Single Pane (Typical)

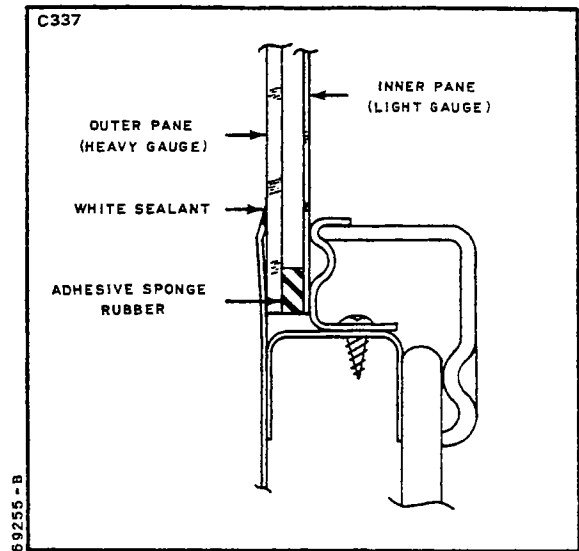


Figure 4-7. Side Window Installation, Double Pane (Typical)

NOTE

A damaged window should be saved to provide a pattern for shaping the new window.

3. Remove excess tape and sealer from the window frame.

4-35. INSTALLATION OF SIDE WINDOWS.

a. Single Pane. (Refer to Figure 4-6.)

1. Cut or grind the new window to the same dimension as the window removed.
2. Apply Behr-Manning vinyl foam tape number 560 or equivalent, on both sides of the window around the outer edges.
3. Apply Behr-Manning Sealant number PRC 5000 or equivalent, completely around the outer surface of the windows at all attachment flanges.
4. Insert the window in the frame and install the retainer moldings.
5. Secure the molding with attachment screws and tighten until the vinyl foam tape is 25% compressed by the retainers.
6. Remove the excess exposed sealer and tape.

b. Double Pane. (Refer to Figure 4-7.)

1. Cut or grind the new window to the same dimension as the window removed.
2. Apply Raybestos R-15 black #565C sponge rubber adhesive or equivalent.