

# Skyport Services, Inc.

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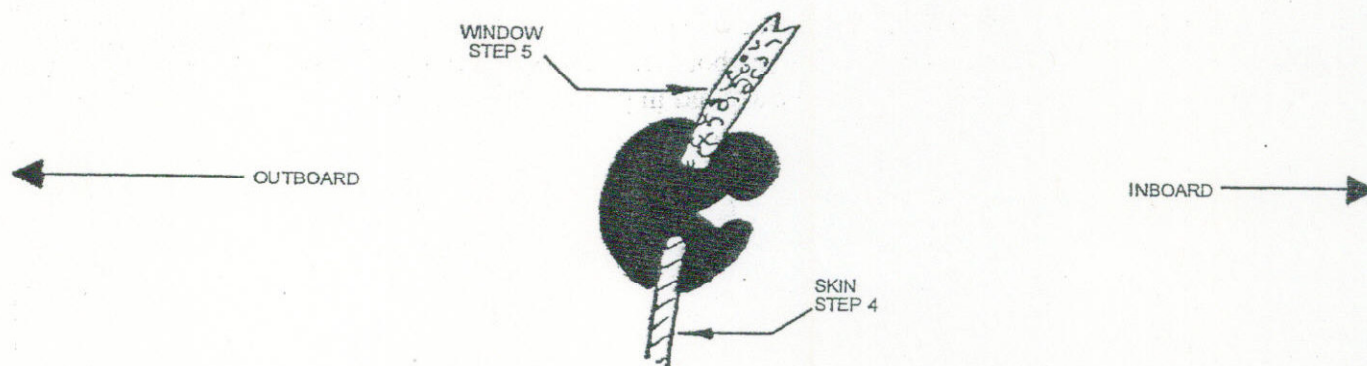
12-06-00  
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SMK-82

## INSTALLATION OF FULL-VUE REAR WINDOWS

Forney large rear windows may be installed in any Ercoupe or early Forney provided that the slanting rear deck has been removed, either by installation of the Skyport SMK-15 9 cu.ft. Baggage Compartment, or by substitution of the Flat Hat Shelf. CAUTION: Plexiglas is an acrylic plastic with the property of becoming brittle when cold; we recommend that you do not attempt this installation at a temperature below 60°F.

1. Remove the old windows.
2. Place large Plexiglas window over the old cutout on the aft skin of the fuselage in accordance with the print (F31249S) and scribe a line on the skin around the outside edge of the window. Remove the window and scribe another line 3/16 in. on the outside of the first line. This is the correct size for the opening for the window plus seal rubber. Now repeat this step for the other window.
3. Trim up the openings using left and right aviation or "Dutchman-type" snips. Take care to leave enough material to provide for a smooth clean-up to the line with a file. The edge of the cutout should be smooth and burr-free.
4. Refer to the drawing below. Insert seal, with lockstrip channel toward the inside of the aircraft, in the cutout. Be sure to force the strip tightly into the opening and compress it as much as possible before cutting to length. CAUTION: Don't stretch the seal during installation.

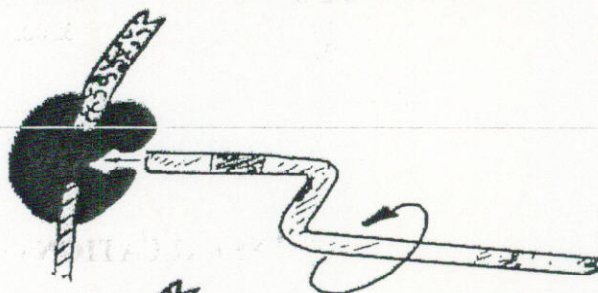


5. See above drawing. Install the window into the seal. This is most readily done from the inside, using a screwdriver or similar tool to raise the lip of the seal over the edge of the Plexiglas, and soapy water as a lubricant. It's best to have a helper on the outside who can help hold the glass in place. Take care not to apply excessive pressure from the inside or the outside since, without the lockstrip, the window is likely to pop out of the seal. Take care not to pry on the edge of the Plexiglas.

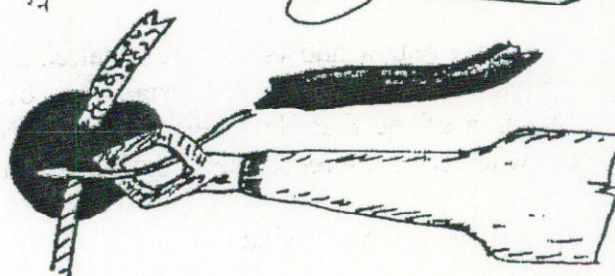


6. Refer to drawings below. To install the lockstrip it is best to have a special installation tool that can probably be obtained locally from any company that installs auto glass (Skyport PN 110). The lockstrip seam should be approximately opposite the seal seam. Again, use soapy water as a lubricant.

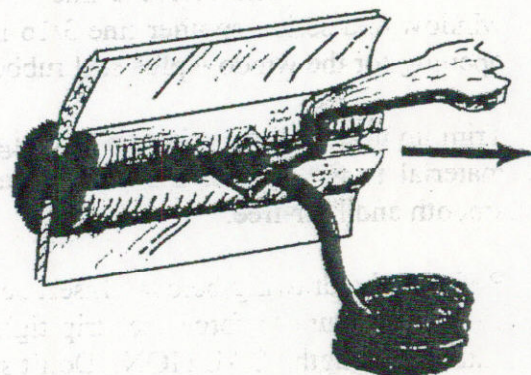
A. Insert the lockbead tool #110 into the lockbead groove and twist spreading molding apart.



B. Thread the end of the lockbead through the tool opening and press end of bead into molding spread by the tool.

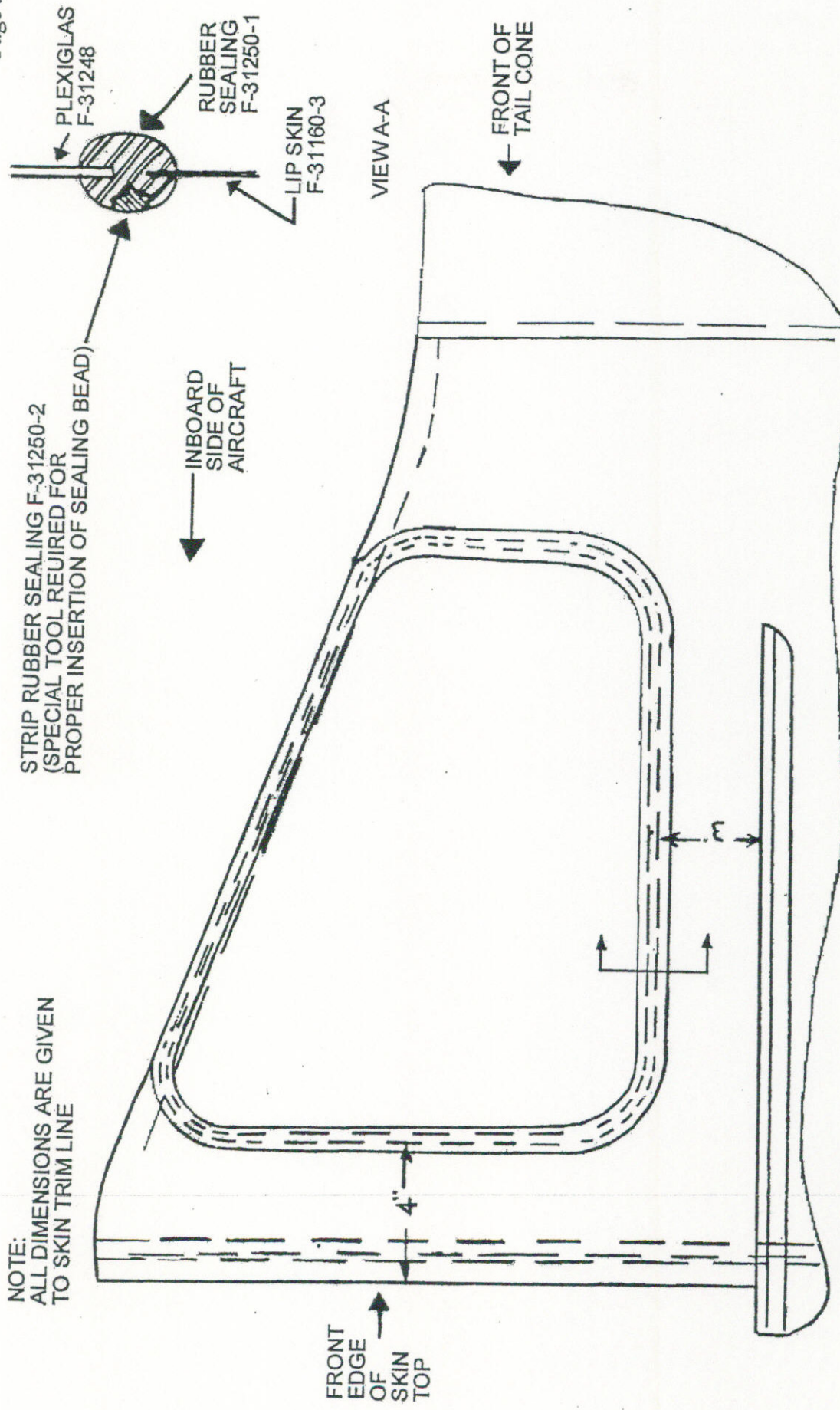


C. Press lockbead into groove while pulling tool towards the loose end. We recommend that the cut ends of the lockbead are not matched up with the cut ends of the molding.



7. After installation, remove the masking paper from the Plexiglas and wash with a mild soap or detergent using a soft cloth or chamois. Do not rub with dry cloth before washing. Oil or grease may be removed with kerosene; don't use avgas or carbon tetrachloride. Body polishing wax may be applied after cleaning. Wax will fill up scratches, and aid in preventing scratches.





NOTE:  
ALL DIMENSIONS ARE GIVEN  
TO SKIN TRIM LINE

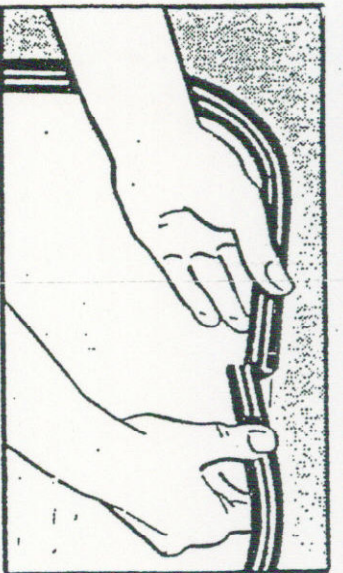
MODEL NOTE:  
THIS INSTALLATION CAN BE MADE ON ALL  
ERCOUPES MODEL 415-C, -CD, -D, -E, -F, AND -G,  
AND FORNEY AIRCOUPE MODEL F-1, PROVIDED EITHER  
NEW REAR DECK F-53074, OR LARGE BAGGAGE (SMK-15)  
COMPARTMENT KIT IS INSTALLED.

SERVICE INSTALLATION - REAR WINDOW  
F-31249S  
FORNEY AIRCOUPE MODEL F-1 AND AS NOTED

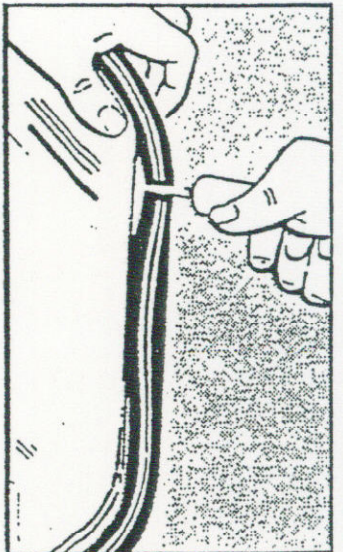
UNIT WEIGHT: 4.50 LB  
DATE APPROVED: 10/09/57

FORNEY AIRCRAFT COMPANY  
FORT COLLINS, COLORADO

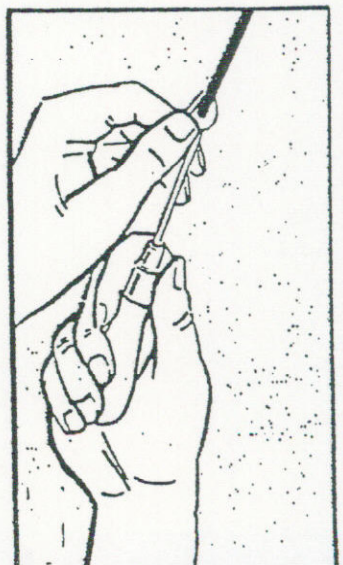




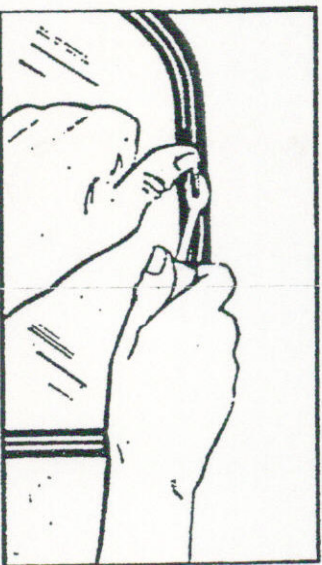
STEP 1: Follow Step 1 for One-Piece Weatherstrip installation (strip is withdrawn slightly at the starting point in such a way that it matches the overlap). Follow Steps 2 and 3 (lubricating strip and inserting glass).



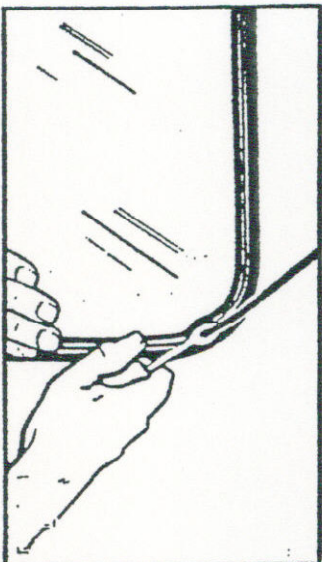
STEP 2: Working in both directions from the starting point, lift the glass channel lip allowing glass to easily slip into position. At final corner, use the locking tool to open the glass channel to permit entry of remaining glass edge.



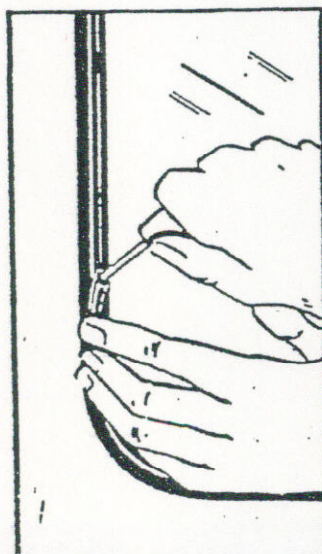
STEP 3: Filler strip is inserted into eye of specially designed filler strip installation tool. Eye is constructed so that it will prevent filler strip from twisting.



STEP 4: At top, away from strip joint, filler strip and eye of tool are inserted into strip's channel. End of filler strip is held in position with thumb during first motion of tool.



STEP 5: Tool is moved along channel with zipper-like motion. Filler strip feeds through eye and threads into channel. Rounding corners is easiest when tool is "wiggled" slightly.



STEP 6: When starting point is reached, the tool is removed. Filler strip should be cut to overlap starting point by about 1/4 inch so that when both ends are forced into place, the joint will be under pressure for a tight fit.

SPECIAL NOTE: REMOVE & RETAIN

THIS TAG FROM LP  
AERO OR UNIVAIR  
PROTECTIVE COVERS  
FOR PROOF OF PMA

L. P. AERO PLASTICS, INC.  
RD 11, BOX 2018  
JEANETTE, PA 15644-9730  
LP #: 3500-248  
DEC 1 1 1996  
F-1A s/n 5600 and up  
F-1A s/n 5715 and up

SAMPLES

Inspect 10's

FAA-PMA