ELECTRO-MOTIVE DIVISION • GENERAL MOTORS CORPORATION
SERVICE DEPARTMENT

# MAINTENANCE INSTRUCTION

## SELF-SEALING WINDOW WEATHER STRIP

### DESDESCRIPTION

The self-sealing weather strip is widely used on locomotive windows, and has additional applications on other Electro-Motive products. This weather strip consists of two parts, a sealing strip and a filler strip, Fig. 1. Application can generally be made only to openings originally built to accommodate this method of sealing.

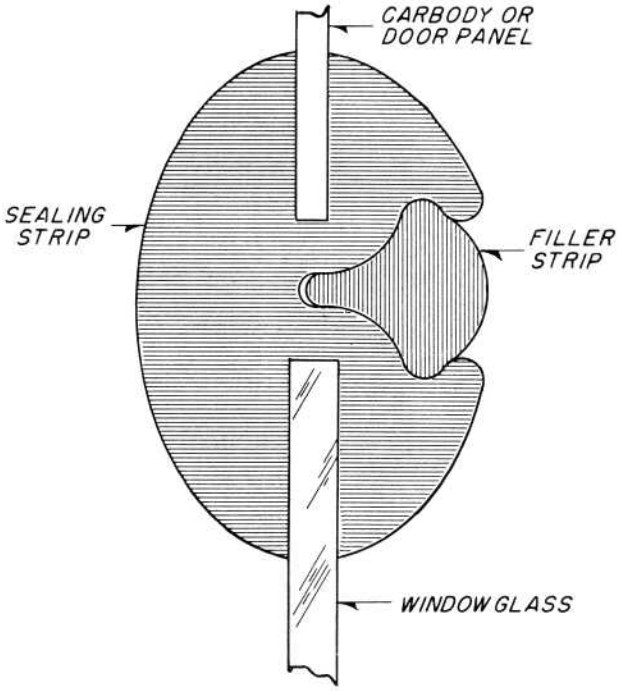



Fig. 1 - Cross-Section Of Window Sealing Arrangement

### MAINTENANCE

Prior to replacement of a window or panel, the sealing and filler strips should both be carefully examined for cuts and general deterioration. Any condition found on the old strips that could contribute to leaks or difficulty in installation is cause for replacement.

Application of the weather stripping is facilitated by special tools designed for this purpose. Fig. 2 illustrates on the left the hook type sealing strip installing tool 756475 and on the right, the eye type filler strip tool 756460. Information on both these tools and replacement parts for them may be found in Service Tools Catalog.

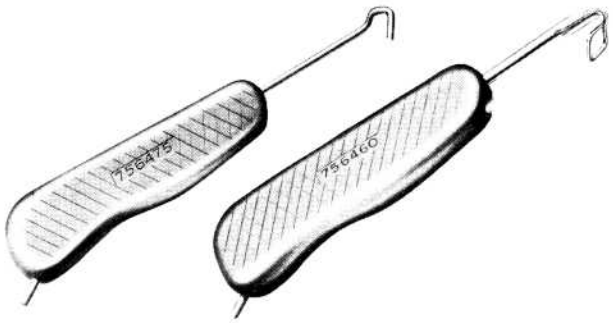
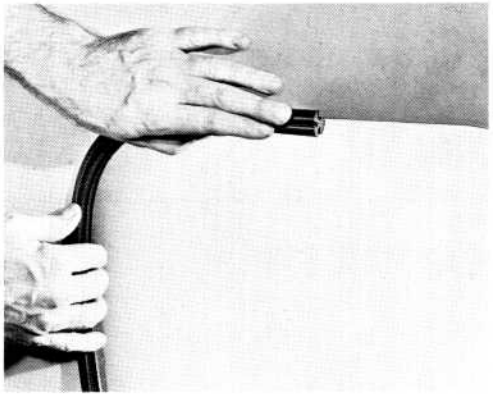


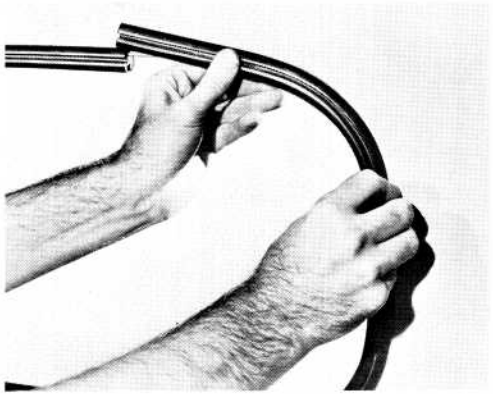

Fig. 2 - Seal And Filler Strip Installation Tools

The use of these tools together with the procedure to be used is illustrated in the following 12 step sequence.

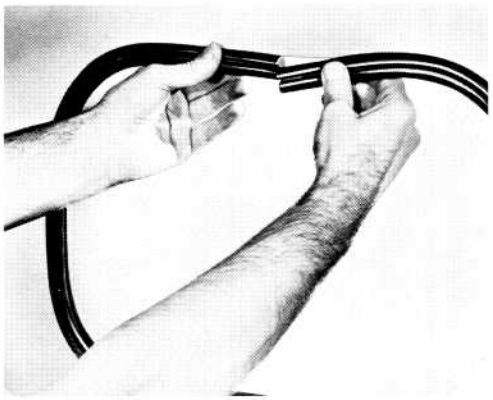
*NOTE: Information contained herein is applicable to equipment being produced as of the date of publication and does not supersede previous issues.



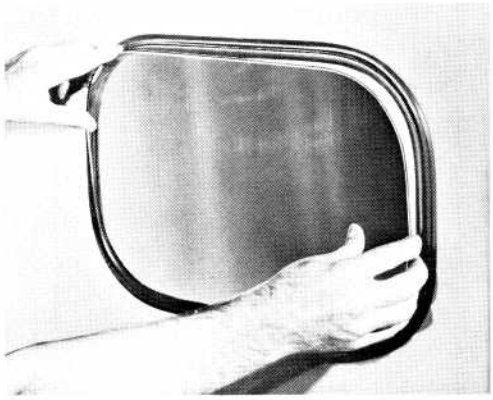
**1** For easy seal installation, window opening in carbody or door is rubbed with paraffin or the seal is lubricated with soap and water solution. Starting along the top of the opening the body panel channel of the seal is then fitted over the openings edge.



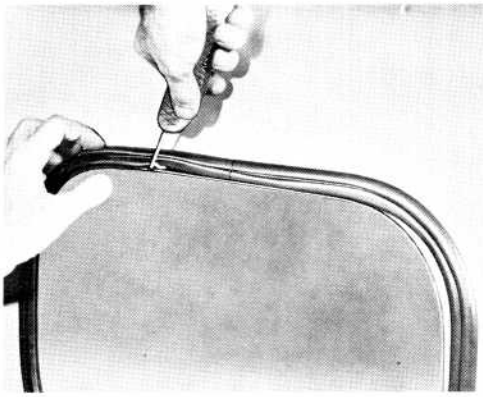
**2** Seal is continued around perimeter of window opening with the panel channel of the seal enveloping panel in a snug fit. The seal will overlap the starting point by approximately 1/8" per foot of window opening perimeter. This will permit a tight fit.



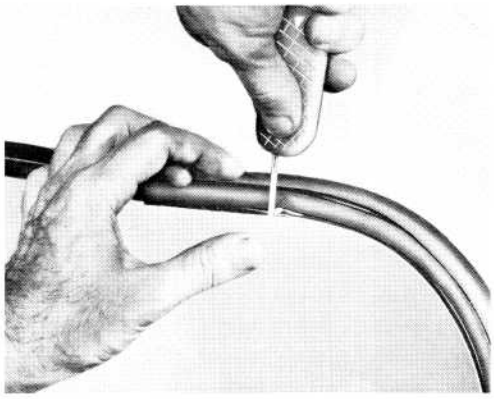
**3** Seal is withdrawn slightly at the starting point in such a way that it matches the overlap. Ends of the seal are brought together and are then forced over the body panel. The result is a tight, smooth joint.



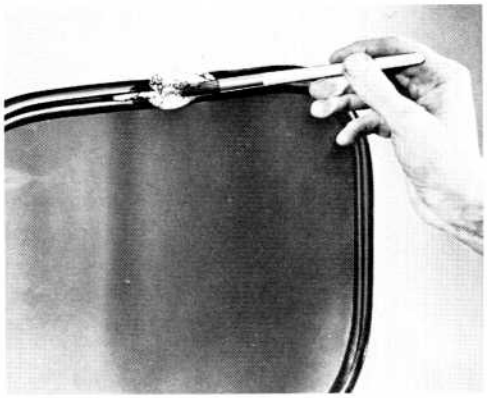
**4** Seal is designed with glass channel lip opened at 45° for easy installation of glass panel. Starting from lower corner glass panel is fitted into channel as far as it will go without forcing.



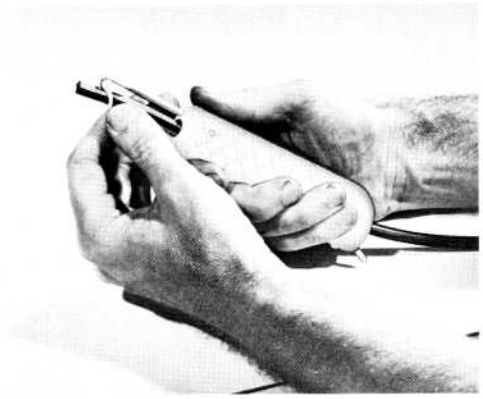
**5** Working in both directions from starting point, specially designed seal installation tool, Fig. 2, lifts the glass channel lip while glass is easily slipped into position.



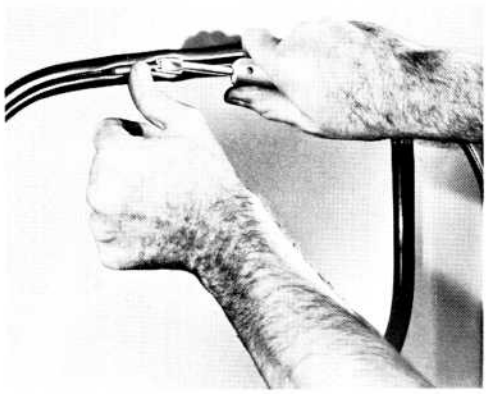
**6** At final corner this same handy tool opens glass channel to permit entry of remaining glass edge. Entire operation requires but a few minutes.



**7** With a small brush, soap and water solution is applied to seal's filler channel. This preparation greatly facilitates final operation of installing filler strip.

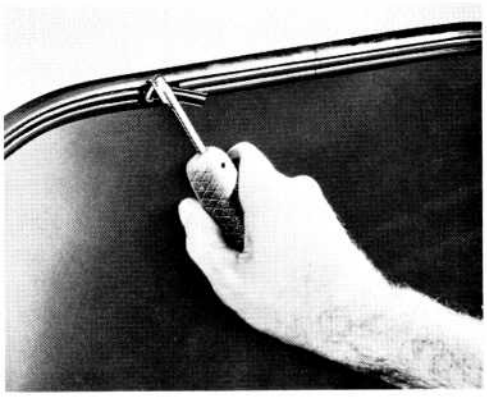


**8** Filler strip is inserted into handle and eye of filler strip installation tool, Fig. 2. Both handle and eye are so constructed that they prevent filler strip from twisting.

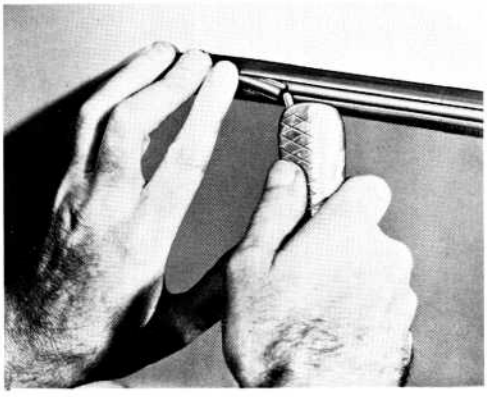


**9** At top, away from seal joint, filler strip and eye of tool are inserted into seal's filler strip channel. End of filler strip is held in position with thumb during first motion of tool.

**10** Tool is moved along channel with zipper-like motion. Filler strip feeds through handle and eye, threads into channel. Rounding corners is easiest when tool is "wiggled" slightly.



**11** When starting point is reached, remove tool. Filler strip should be cut to overlap starting point so that when both ends are forced into place, joint will be under pressure.



**12** Spur on handle is used to compress filler strip overlap into channel for a tight joint. Spur is also useful in repositioning any part of filler strip not properly seated.