

BODY GLASS

Windshield Glass

The windshield is the one-piece type and is retained in the windshield opening by a moulded rubber weatherstrip. This weatherstrip is sealed in the windshield opening and sealed to the windshield glass.

When replacing a cracked windshield glass, it is very important that the cause of the glass breakage be determined and the condition corrected before a new glass is installed. Otherwise, it is highly possible that a small obstruction or high spot somewhere around the windshield opening will continue to crack or break the newly installed windshield; especially when the strain on the glass caused by this obstruction is increased by such conditions as wind pressures, extremes of temperature, motion of the vehicle, etc.

The procedure for replacing the windshield applies to the complete windshield assembly.

1. Before removing the windshield, protect the paint finish inside of the cab. Mask around the windshield opening and outside, lay a suitable covering across the hood and fender.

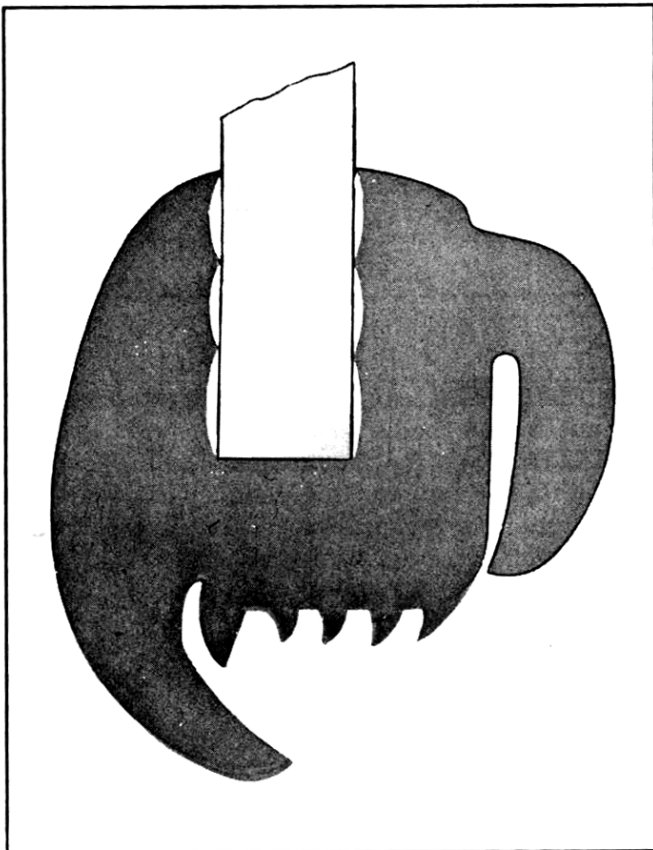


Fig. 2—Cross Section—Windshield Weatherstrip

2. Remove the garnish moulding from the windshield.

NOTE: The garnish moulding is made in one piece. The windshield glass rubber weatherstrip is one piece. The glass is held in a channel within the weatherstrip (fig. 2).

3. Run a putty knife around the rubber weatherstrip on the outside and inside to break the seal. Use care in this operation.
4. With the palm of the hand against the inside surface of the glass, carefully force the assembly outward until the lip of the rubber channel has been removed from the pinchweld flanges of the opening. Hand pressures should be applied alternately at the upper and lower corners at the outer or pillar edge.

NOTE: It may be necessary to raise inner lip of weatherstrip and break seal between outer edge of pinchweld and weatherstrip.

5. Next, loosen the seal of weatherstrip cement between the glass and rubber weatherstrip. Disengage the weatherstrip from the glass and lift glass out of opening (fig. 3).
6. Using a scraper and oleum spirits, remove all old cement and dry thoroughly. Also clean rubber weatherstrip.
7. Inspect the contour of the windshield opening, especially at the point where the glass cracked, for any obstructions or irregularities. The cause, whatever it may be, of the windshield glass cracking should be corrected before a new glass is installed.
8. Apply a continuous $\frac{3}{16}$ " bead of 3-M "Weatherstrip Adhesive" along the outside rabbet



Fig. 3—Removing Glass from Weatherstrip

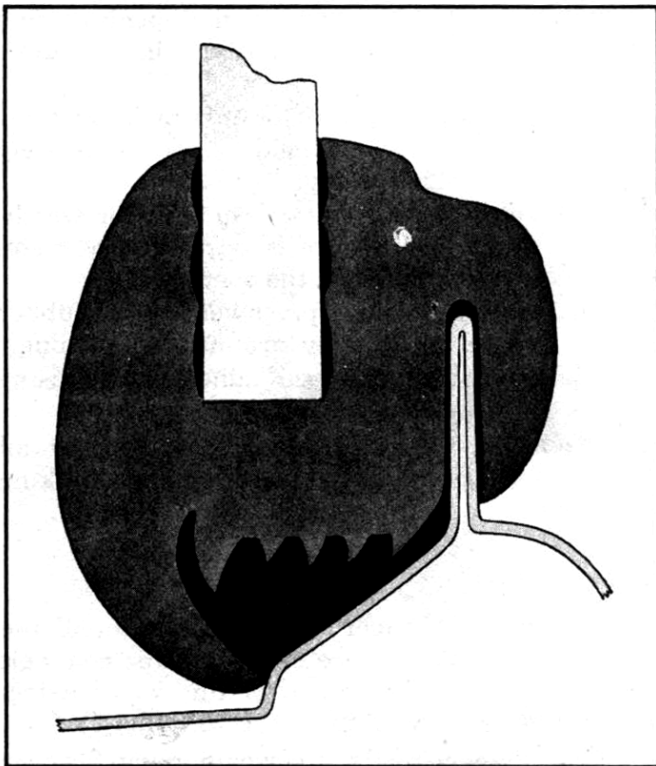


Fig. 4—Cross Section Showing Sealer Application

pinchweld, completely around the windshield opening (fig. 4).

9. Install windshield glass into windshield rubber weatherstrip, working the rubber channel over the edge of the glass.
10. Lay a piece of cord in pinchweld slot of rubber weatherstrip to facilitate pulling this lip over the pinchweld during installation.
11. While applying pressure against outside of glass, pull inner lip of weatherstrip over pinchweld by pulling in on end of cord (fig. 5).
12. After assembly is in position, seal the weath-

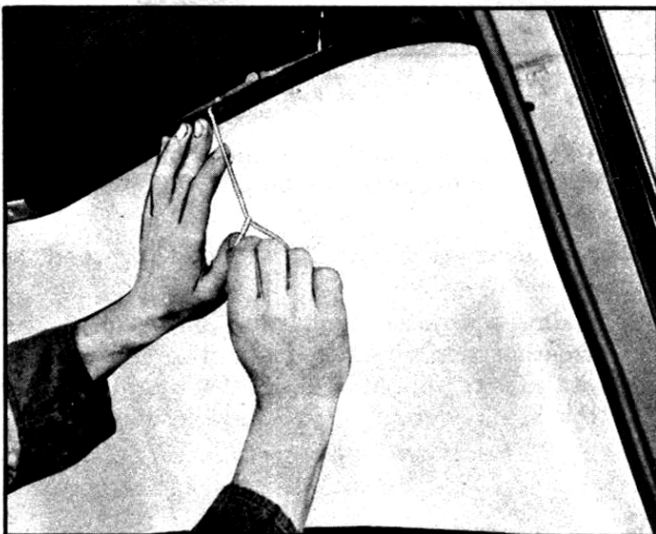


Fig. 5—Installing Windshield

erstrip to the glass and in the opening using 3-M "Weatherstrip Adhesive" in a sealing gun.

- a. Seal between outer lip of rubber weatherstrip and windshield glass completely around the opening.
 - b. Seal under the outer lip of rubber weatherstrip where it rests on the body metal completely around the opening.
 - c. Seal under inner pinchweld lip of rubber channel completely around the opening.
 - d. Remove any excess "adhesive" by using oleum spirits sparingly.
13. Re-install garnish mouldings and draw all screws up securely. Remove the masking tape.