

## DOOR GLASS, VENTILATOR ASSEMBLY, AND WINDOW REGULATOR

### DOOR GLASS

#### Replacement

Disassembly should be made as outlined under Door Glass—Removal. All of the related parts should be inspected to preclude the possibility of breakage occurring because of metal-to-glass contact, misalignment, or improper regulator stop position.

Check the window glass weather seals and the glass channel runs for wear resulting in excessive glass side or end play. A new weatherstrip should always be used when assembling the glass to the lift channel.

Care should be taken to make sure when installing the lift channel that the edge of the glass is not past the end of the channel more than the amount specified in the illustration. Fig. 171 illustrates the proper position of the lift channel in relation to the edge of the glass.

Before installing the new glass, inspect the door glass channel for possibility of rivet heads from attaching brackets protruding beyond the felt on the inside of the channel. If such a condition is found, place the vent frame on a suitable fixture and flatten the rivet heads inside the channel with a punch.

Glass edges must be well protected by the run channel. Inspect run channel closely; replace if evidence of possible glass-to-metal contact is found.

Be very careful during installation of glass to avoid chipping glass edges. Even a small chip can cause further breakage. Chipped edges should be ground off before installation.

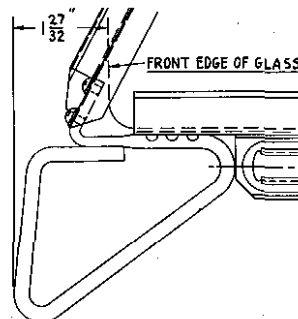


FIG. 171

After installation is made as outlined under Door Glass—Installation, be sure the window does not bind in any position. Check the glass in its lowest position, so that it is not excessively loose in the channel and weather seals.

### DOOR GLASS

#### Removal—Hardtops

Remove the door remote control handle, and window regulator handle. Remove the door lock push rod knob. Remove the six garnish moulding screws and remove the garnish moulding. Then remove the trim panel.

Remove the two screws (9, Fig. 172) holding the window stop to the ventilator frame and remove the

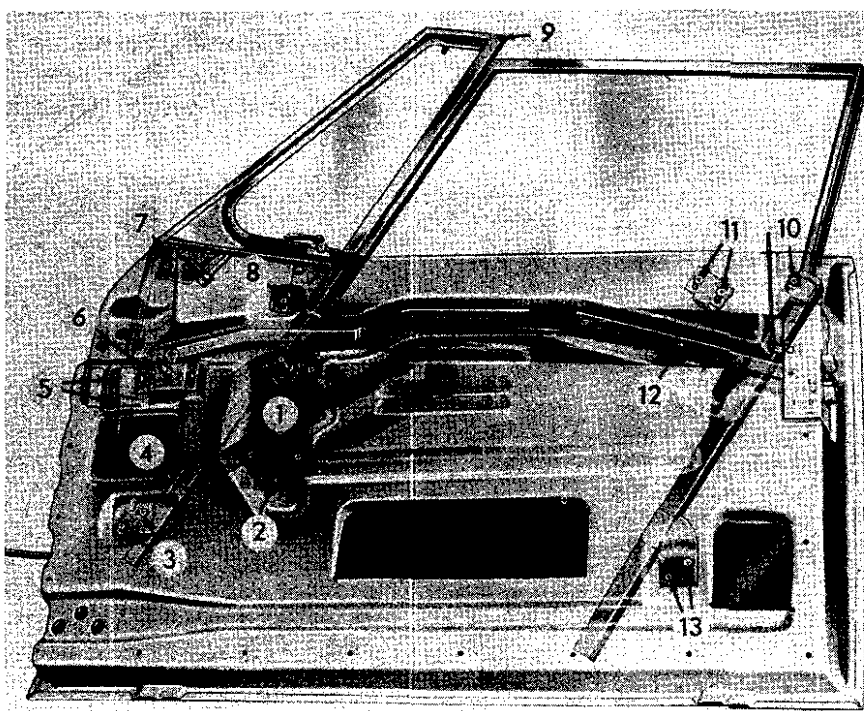


FIG. 172

1. Regulator screws
2. Regulator adjusting nut
3. Ventilator rear bracket-to-door bolts
4. Ventilator rear bracket-to-run nuts
5. Ventilator front bracket-to-door screws
6. Ventilator front bracket-to-ventilator frame nut
7. Ventilator frame-to-door screw
8. Ventilator frame-to-door screw
9. Stop screws
10. Rear guide upper screw
11. Rear stop plate
12. Rear stop
13. Rear guide lower bolts

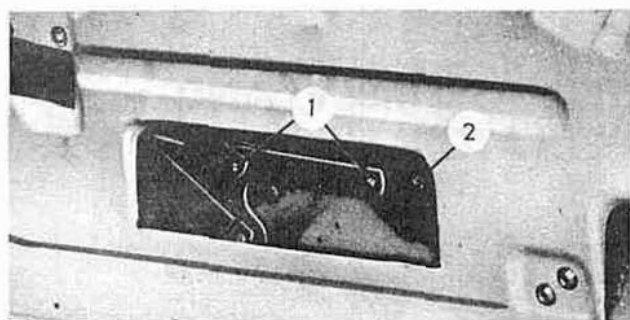


FIG. 173

1. Regulator studs

2. Rear stop bolt



FIG. 174

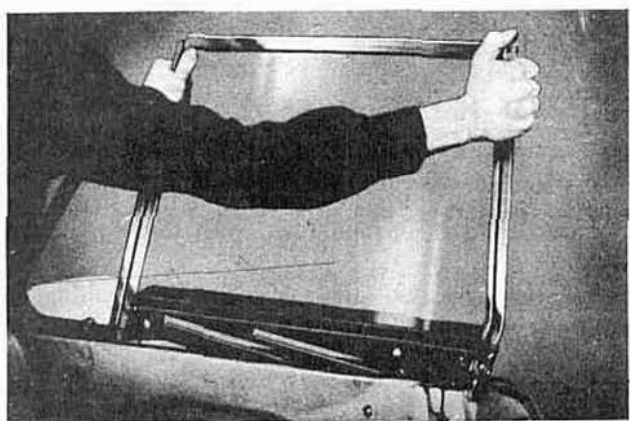


FIG. 175

stop. Roll the window down, remove clips and washers from the regulator studs (1, Fig. 173), and disengage the regulator arm from the lift channel. Remove the door window frame stop bolt (2). Remove both the inner and outer door window weather seal strips (see Fig. 174). Lift the glass manually and remove it from the door as shown in Fig. 175.

### Installation—Hardtops

Install the window and the window frame stop bolt. Engage the regulator arm in the lift channel and install the washers and clips. Install the window inner and outer weather seal strips. Install the trim panel and arm rest. Be sure that the arm rest clip engages the door bracket. Install the inside hardware. Install the garnish moulding and the door locking push rod knob. Install the window stop at the top of the ventilator frame.

### Adjustment—Hardtops

The door window rear guide can be adjusted by

loosening the screw (10, Fig. 172) at the top and the two bolts (13) at the bottom of the door. By shifting the guide in the elongated slots in the door inner panel, adjust so that the window has the greatest ease of movement during its travel.

To properly align the door window in the front guide, loosen the regulator adjusting nut (2) and center the window with the regulator. Tighten the nut.

## DOOR GLASS

### Removal—5-Passenger Coupe

Remove the door inside hardware. Unsnap the clips and pull the trim panel down and out from behind the chrome retainer strip, and remove the trim panel. Do not remove the chrome retainer strip. Roll the window all the way down. Remove the clips and washers and disengage the regulator arm from the lift channel. Remove the window inner and outer weather seal strips. Turn the window so that it is free from the run channels and lift it out of the door as shown in Fig. 176.

### Installation—5-Passenger Coupe

Install the window, turning it so that it will enter the run channels. While the window is resting on the bottom of the door, install the inner and outer weather seal strips. Engage the regulator arm studs with the lift channel and install the washers and clips. Install the trim panel. Install the door inside hardware.

## DOOR VENTILATOR ASSEMBLY

### Removal—Hardtops

Remove the door inside hardware, door locking push rod knob, garnish moulding, and trim panel.

Remove the door window glass as outlined under Door Window Glass—Removal. Remove the screws (7 and 8, Fig. 172) at the door inner panel. Inside the door panel remove the stud nut (6). Disengage the

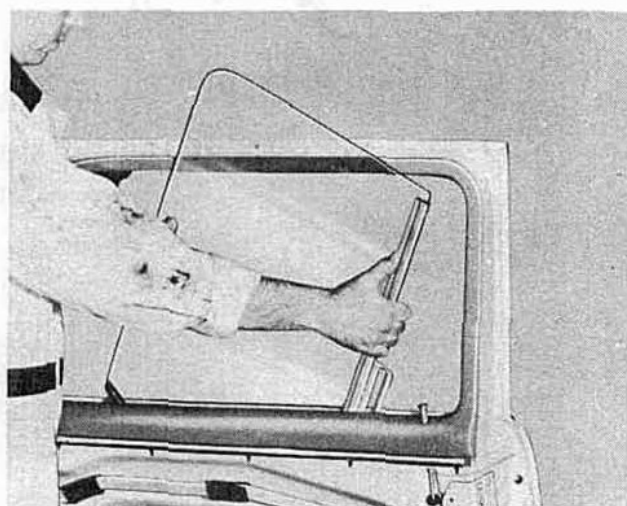


FIG. 176

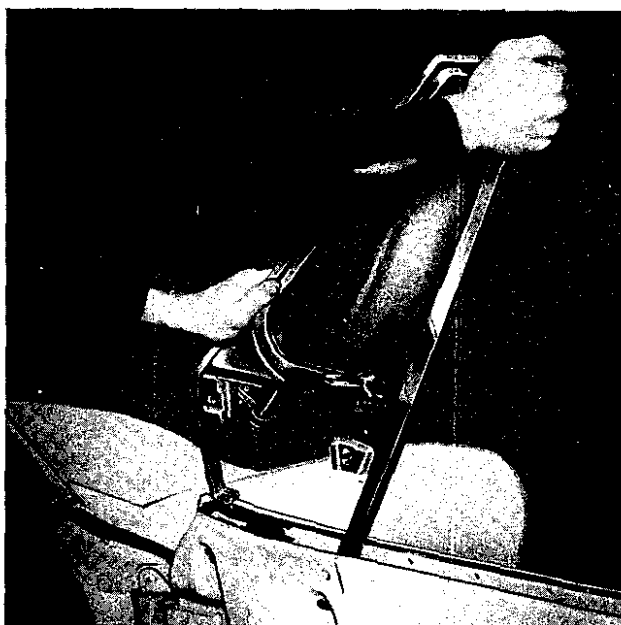


FIG. 177

studs from the ventilator frame rear bracket. Carefully lift and remove the ventilator frame assembly (see Fig. 177).

### Installation—Hardtops

Slide the ventilator assembly into position within the door. Place the studs in their brackets and install the nuts and washers. Install the two screws at the top of the inner panel. Install the door window glass as outlined under Door Window Glass—Installation. Install the trim panel, garnish moulding, door locking push rod knob, and door inside hardware.

### Adjustment—Hardtops

Proper alignment of the ventilator assembly and weather seals is necessary in order to effect a satisfactory seal against air, dust, and water leaks. Adjustments are provided to properly align the ventilator assembly within the door opening. The adjustments should be performed so that the lip of the windshield post weather seal contacts the ventilator frame assembly along its entire exposed length. The top, flipper type, weather strip is actuated by a lever and is controlled by the ventilator frame assembly upon opening or closing the door.

Adjustments are made by means of elongated holes in the ventilator assembly, in the brackets, and in the door panel. It may be necessary to enlarge the holes or shim out the brackets if additional adjustment is required to properly position the ventilator assembly.

Before the ventilator assembly can be adjusted, the garnish moulding, door inside hardware, trim panel, and inspection hole sealing tape must be removed.

To move the assembly forward or rearward, loosen the ventilator frame-to-door screws (7 and 8, Fig. 172), bracket nut (6), and rear bracket-to-door bolts (3). So that the window may shift with the ventilator assembly, loosen the rear guide screw (10) and bolts (13). Shift the ventilator assembly forward or rear-

ward as required. Be sure that the lip of the windshield post weather seal contacts the ventilator frame along its entire exposed length. Tighten the retaining screws and nuts and check the adjustment.

To check the adjustment, open the door and roll the window all the way up. Check to see that the window does not force the ventilator frame forward. If the ventilator is forced forward, adjust the door window rear stop (12). Close the door and check the fit of the weather seal against the ventilator frame. The ventilator frame must not pinch or crimp the weather seal as the door is closed. If the proper fit of the frame against the weather seal cannot be secured, it may be necessary to reposition the weather seal retainer and, in some cases, shim out the retainer. Repositioning of the retainer is made possible by the elongated slots at the retaining screws.

To correct for forward tilt, top too far forward, loosen the ventilator frame-to-door screws (7 and 8) and the rear guide screw (10) and bolts (13), and remove the front bracket nut (6). Tilt the assembly rearward as required while at the same time shifting the assembly forward to properly position it against the windshield post weather seal; then tighten the screws (7, 8, 3, 10, and 13) securely. Loosen the two front bracket-to-door screws (5), and shift the ventilator frame front bracket upward, cornering the bracket against the door face and the ventilator frame. Tighten the cap screws (5), install the nut (6) that holds the ventilator frame to the front bracket, and tighten securely.

To correct for rearward tilt, loosen the screws (7, 8, 5, 3, 10, and 13) and bracket nut (6), and shift the assembly upward and rearward as required. Tighten the screws (7, 8, 3, 10, and 13); then corner the front bracket and tighten the nut (6) and screws (5).

To facilitate adjustment, loosen, but keep a slight tension on the panel screw (8) so that the whole assembly does not shift in all directions, resulting in complete readjustment.

If difficulty is encountered in acquiring proper adjustment, first check for improperly positioned front weather seal or upper flipper type weather strip and adjust inward or outward from the body. Next, remove the windshield post weather seal and the flipper seal, retainers, and gaskets, and check the cowl windshield post and roof panel corner for interference.

The height of the assembly is adjusted by raising or lowering the ventilator frame front and rear brackets on the panel screws. Loosen the screws (2 and 5) and the door panel screws (7 and 8), and move the assembly as required. When lowering the assembly, be sure that the lower ventilator weather strip is not pulled away from the top of the door. In adjusting the ventilator frame assembly for height, it may also be necessary to move the assembly forward or rearward to maintain a proper seal with the windshield post weather seal.

If the ventilator frame has an inward or outward tilt, the assembly may be adjusted by shifting the lower end of the ventilator frame on the rear bracket. Loosen the ventilator rear bracket-to-run nuts (4, Fig. 172). Move the ventilator frame on the bracket as required to correct the tilt condition. Then move the door window rear guide on the bracket to maintain

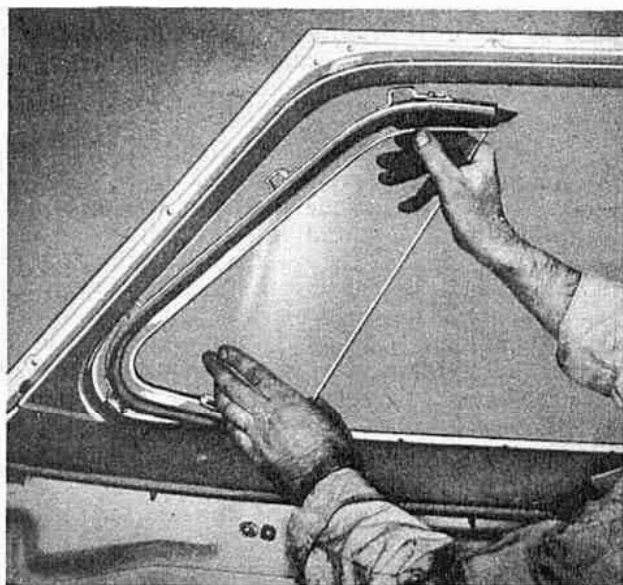


FIG. 178

the alignment between the ventilator assembly and the door window. If the assembly has an outward tilt, make sure that the upper flipper type weather seal is not too far outward and holding the assembly out of position.

### DOOR VENTILATOR ASSEMBLY

#### Removal—5-Passenger Coupe

Remove the door glass as outlined under Door Glass—Removal. Remove the three screws at the door facing. Open the ventilator window and remove the screw at the bottom, down in the rubber weather strip. Tilt the frame back as shown in Fig. 178 and remove the ventilator assembly.

#### Installation—5-Passenger Coupe

Position the ventilator assembly and install the retaining screws. Tighten the top screw on the door facing last. Install the door glass as outlined under Door Glass—Installation.

#### Adjustment—5-Passenger Coupe

Roll the door window all the way up and check for proper sealing against the ventilator frame. Minor adjustments can be made by loosening the ventilator retaining screws and then tightening again. Shims may be placed between the door inner panel and the door window front run channel.

### DOOR WINDOW REGULATOR

#### Removal—Hardtops

Follow the procedure outlined under Door Glass—Removal, but instead of removing the door glass, man-



FIG. 179

ually lift the glass and, by means of a wedge, hold it in the up position.

Then remove the four window regulator attaching screws and lift the regulator out through the access hole at the bottom of the door.

#### Installation—Hardtops

Position the regulator within the door and install the retaining screws. Remove the wedge and lower the glass. Complete the assembly by following the procedure outlined under Door Glass—Installation.

#### Adjustment—Hardtops

To properly align the door glass with the front guide and the door opening, loosen the regulator adjusting nut and turn the glass as required. Then tighten the adjusting nut.

### DOOR WINDOW REGULATOR

#### Removal—5-Passenger Coupe

Remove the glass as outlined under Door Glass—Removal. Remove the four retaining screws and remove the door glass front run channel (see Fig. 179). Remove the four screws and remove the regulator.

#### Installation—5-Passenger Coupe

Position the regulator and install the retaining screws. Install the door glass front run channel. Install the glass as outlined under Door Glass—Installation.

#### Adjustment—5-Passenger Coupe

Loosen the regulator adjusting nut and align the glass to fit the opening.