

## SECTION 13-G EXTERIOR MOLDINGS

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### 13-19 DESCRIPTION

The exterior moldings are secured to the body by any one or a combination of the following: attaching screws, attaching nuts, snap retention on body parts, "bath-tub" type snap-on clips of steel and plastic construction, friction type snap-in clips, bolt and clip assemblies, joint plates and molding integral attaching studs. Figure 13-92 depicts cross-section drawings which illustrate some of the typical methods used in attaching moldings to the body.

When removing or installing body exterior moldings, certain precautions should be exercised. Adjacent paint finishes should be protected to avoid refinishing. Proper tools and methods should be employed to guard against molding damage, particularly if the part is to be reused. Whenever a sealing operation is disturbed, appropriate sealing materials and methods should be used to provide the required watertight seal. Every screw, nut or clip that secures a molding to a body outer panel, including the attaching hole, requires a specialized type of sealing operation. An approved grade of medium-bodied sealer and body caulking compound are the sealers used most generally in the effective sealing of these moldings. The exterior moldings are identified in Figures 13-93 and 13-94.

If it is necessary to replace a "bath-tub" type clip as shown in Figure 13-95, it may be removed with a sharp flat-bladed tool.

Hammer the chisel until the base of the clip is cut approximately half-way through; then disengage the clip from the hole in the outer panel. In some cases it may be necessary to cut the clip at the opposite side. To install a new large steel clip, insert it in the hole in the outer panel and secure it to the panel using tool J-7160 or J-9188 or when installing new small steel clip use tool J-8954 as shown in Figure 13-96.

### 13-20 SERVICE PROCEDURE

#### a. Windshield Pillar Drip Molding (Painted Body Color)

The molding extends from the front of the roof drip molding to the belt line, is secured to the pillar with screws, and requires sealing.

To remove the molding: open the door, remove the attaching screws, disengage the molding from the pillar and unhook it from the roof drip molding.

To install the molding: clean the mating surfaces of the parts and apply a continuous ribbon of medium-bodied sealer along the center of the entire length of the molding attaching surface. Position the molding to the pillar and hook the upper edge over the front edge of the roof drip molding. Align and seal the screw holes and install the attaching screws.

#### b. Front Door Window Frame Upper Scalp Molding (4100 Styles)

The molding is secured to the window frame by snap retention. The front of the molding is overlapped by the reveal molding.

To remove the molding: remove the door ventilator frame attaching screws, lower the door window and move the ventilator rearward slightly for access purposes. Then with a suitable flat-bladed hook tool, unsnap the upper scalp molding from the window frame by working outwardly from the window opening. Start removal at the rear of the molding. Before unsnapping the front of the molding, slide it upward to clear the reveal molding. Use care not to damage any door parts during this operation.

To install the molding: apply body caulking compound (1/8" x 1/4" x 1/4") at six inch intervals on the inner side of the window frame and slide it behind the reveal molding. Position

TYPICAL METHODS OF MOLDING ATTACHMENT

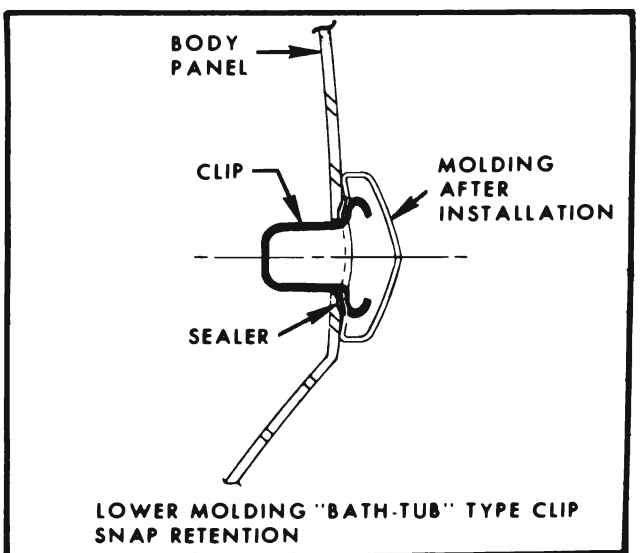
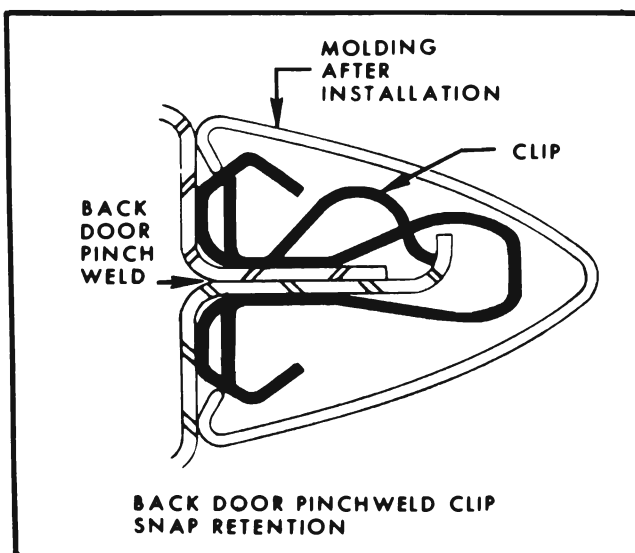
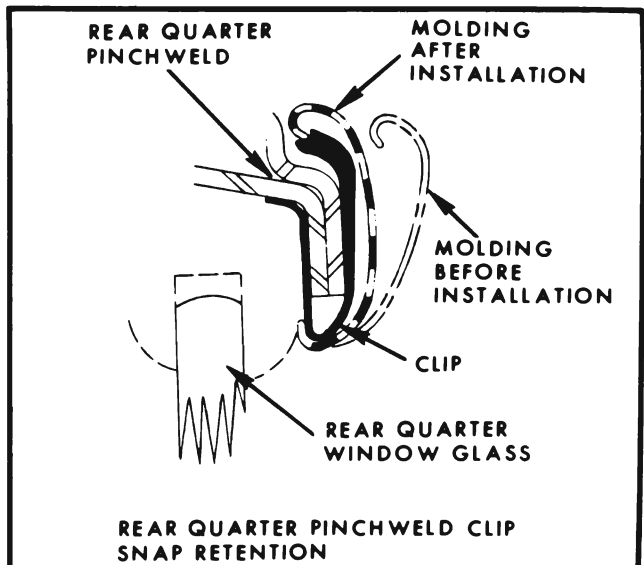
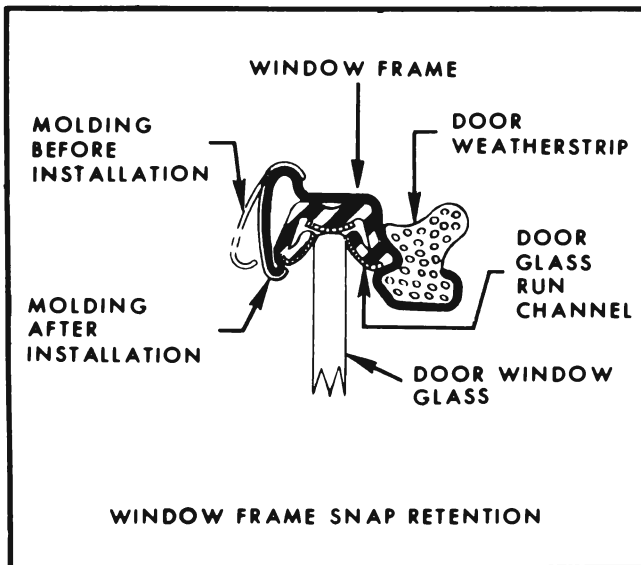
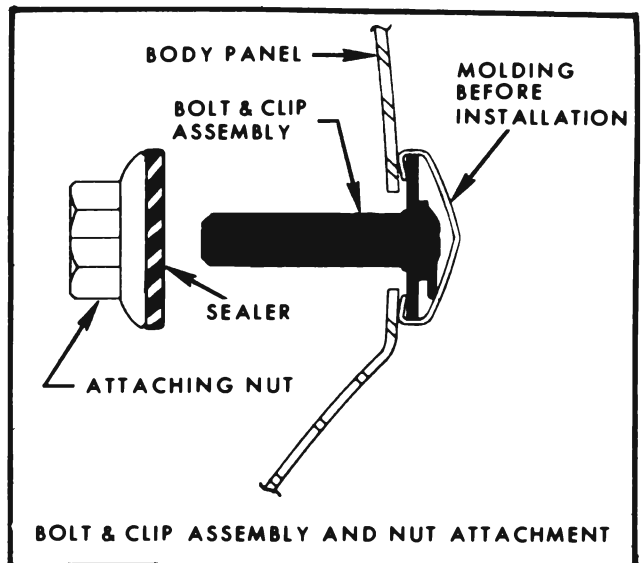
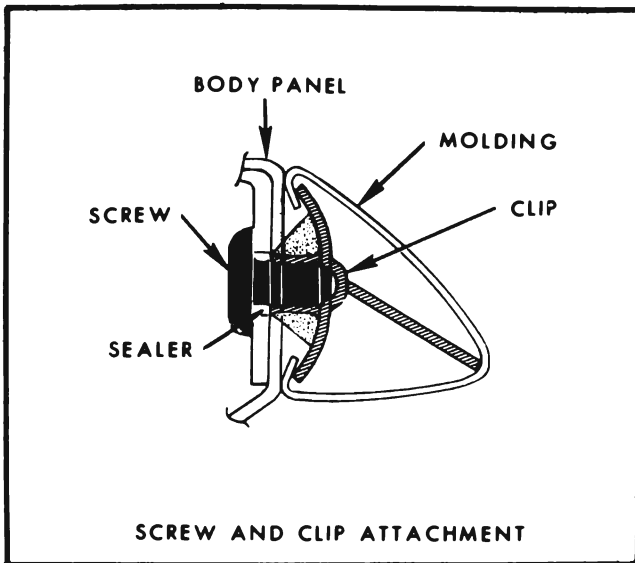
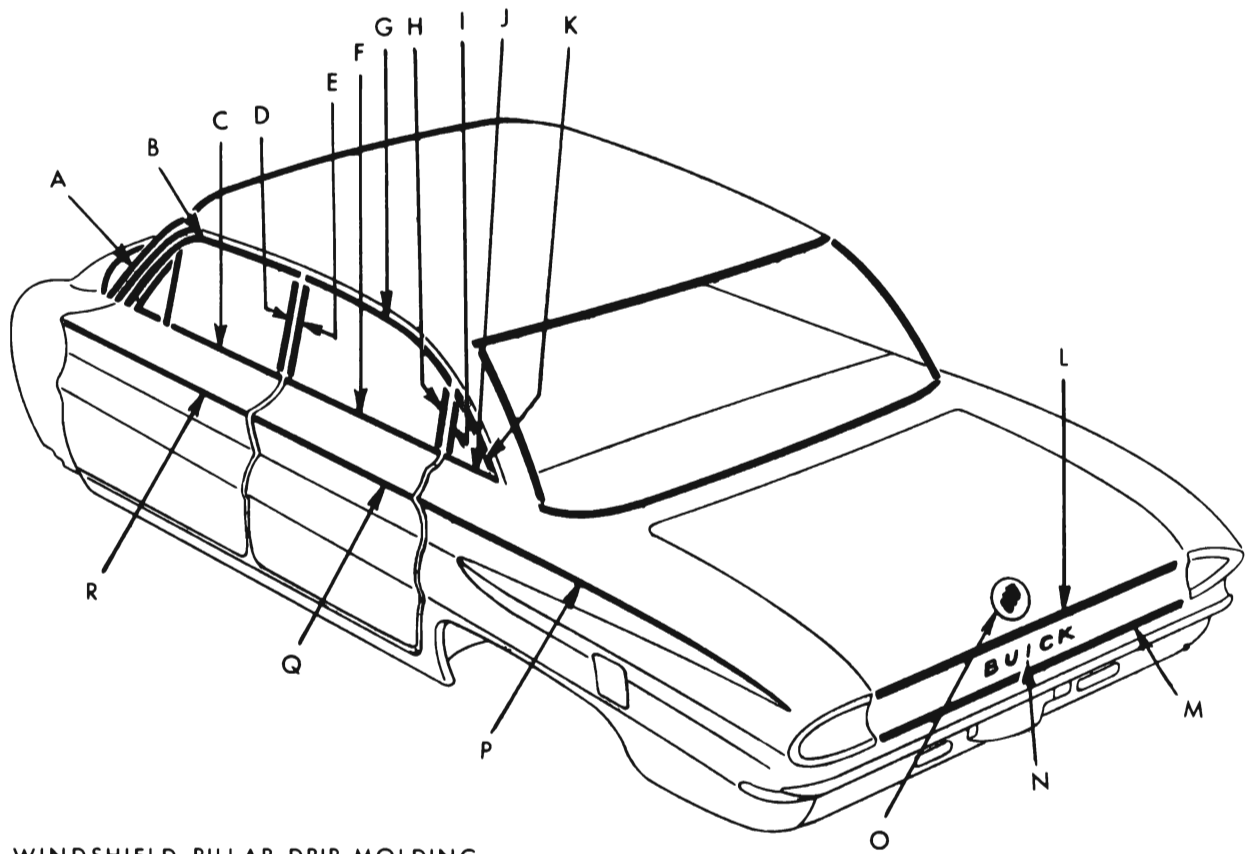
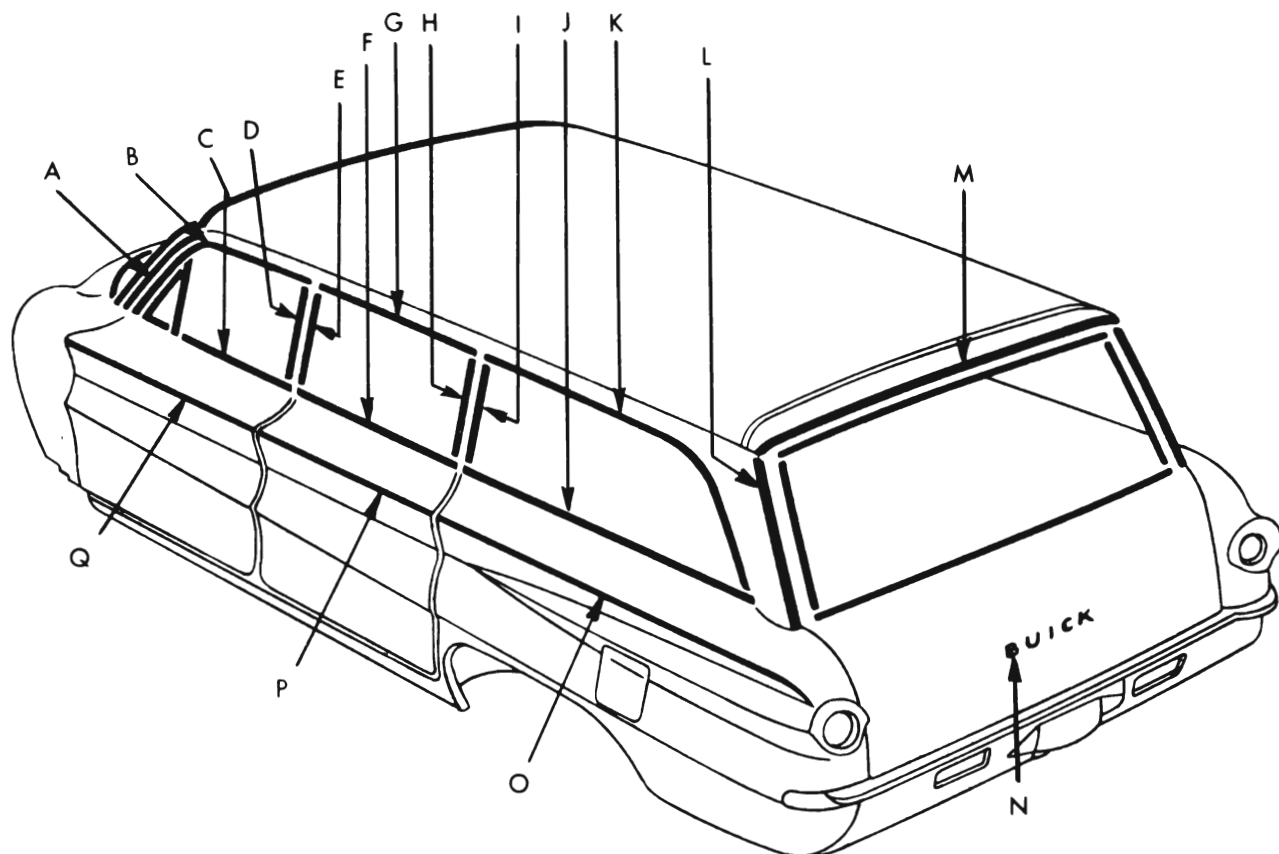


Figure 13-92—Typical Methods of Molding Attachments



- A. WINDSHIELD PILLAR DRIP MOLDING
- B. FRONT DOOR WINDOW FRAME UPPER SCALP MOLDING
- C. FRONT DOOR WINDOW REVEAL MOLDING
- D. FRONT DOOR WINDOW FRAME VERTICAL SCALP MOLDING
- E. REAR DOOR WINDOW FRAME FRONT VERTICAL SCALP MOLDING
- F. REAR DOOR WINDOW REVEAL MOLDING
- G. REAR DOOR WINDOW FRAME UPPER SCALP MOLDING
- H. REAR DOOR WINDOW FRAME REAR VERTICAL SCALP MOLDING
- I. REAR QUARTER WINDOW FRONT REVEAL MOLDING
- J. REAR QUARTER WINDOW LOWER REVEAL MOLDING
- K. REAR QUARTER WINDOW UPPER REVEAL MOLDING
- L. REAR COMPARTMENT LID OUTER PANEL UPPER MOLDING
- M. REAR COMPARTMENT LID OUTER PANEL LOWER MOLDING
- N. REAR COMPARTMENT LID OUTER PANEL NAME PLATE
- O. REAR COMPARTMENT LID ORNAMENT EMBLEM AND RING
- P. REAR FENDER LOWER MOLDING
- Q. REAR DOOR OUTER PANEL LOWER MOLDING
- R. FRONT DOOR OUTER PANEL LOWER MOLDING

Figure 13-93—Exterior Molding Style 4119



- A WINDSHIELD PILLAR DRIP MOLDING
- B FRONT DOOR WINDOW FRAME UPPER SCALP MOLDING
- C FRONT DOOR WINDOW REVEAL MOLDING
- D FRONT DOOR WINDOW FRAME VERTICAL SCALP MOLDING
- E REAR DOOR WINDOW FRAME FRONT VERTICAL SCALP MOLDING
- F REAR DOOR WINDOW REVEAL MOLDING
- G REAR DOOR WINDOW FRAME UPPER SCALP MOLDING
- H REAR DOOR WINDOW FRAME REAR VERTICAL SCALP MOLDING
- I REAR QUARTER WINDOW FRONT REVEAL MOLDING
- J REAR QUARTER WINDOW LOWER REVEAL MOLDING
- K REAR QUARTER WINDOW UPPER REVEAL MOLDING
- L BACK BODY OPENING SIDE UPPER PINCHWELD FINISHING MOLDING
- M BACK DOOR OUTER PANEL PINCHWELD FINISHING MOLDING
- N BACK DOOR OUTER PANEL NAME PLATE
- O REAR FENDER LOWER MOLDING
- P REAR DOOR OUTER PANEL LOWER MOLDING
- Q FRNT DOOR OUTER PANEL LOWER MOLDING

Figure 13-94—Exterior Molding Style 4135

the molding to the rear corner of the window frame above the vertical molding and to the outside edge of the window frame and snap it into place. Install the door ventilator attaching screws.

#### c. Front Door Window Frame Vertical Scalp Molding (4100 Styles)

The vertical scalp molding is overlapped by the upper scalp molding and by the window reveal molding. The vertical scalp molding is secured to the door window frame by snap retention.

To remove the molding: loosen the upper scalp molding from the door rear edge to the ventilator division channel. With a flat-bladed hook tool, unsnap the vertical molding from the window frame by working outwardly from the window opening. Start the removal at the top. Before unsnapping the lower end, slide the molding upward to clear the reveal molding. Use care not to damage any door parts during the operation.

To install the molding: apply body caulking compound (1/8" x 1/4" x 1/4") at six inch intervals on the inner side of the molding. Position the molding to the outside edge of the window frame, snap the lower end of the molding on the window frame, and slide it behind the reveal molding. Snap the upper portion of the molding into place. Complete the installation of the upper scalp molding.

#### d. Front Door Window Reveal Molding (4100 Styles)

The reveal molding is secured to the door by an attaching screw at each end and by integral snap-in type clips.

To remove the molding: remove the door

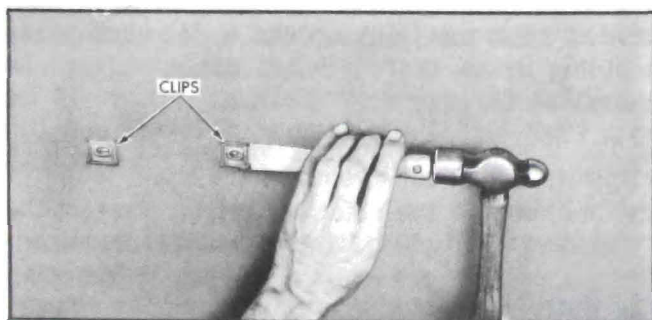


Figure 13-95—Removing a "Bath-Tub" Type Clip

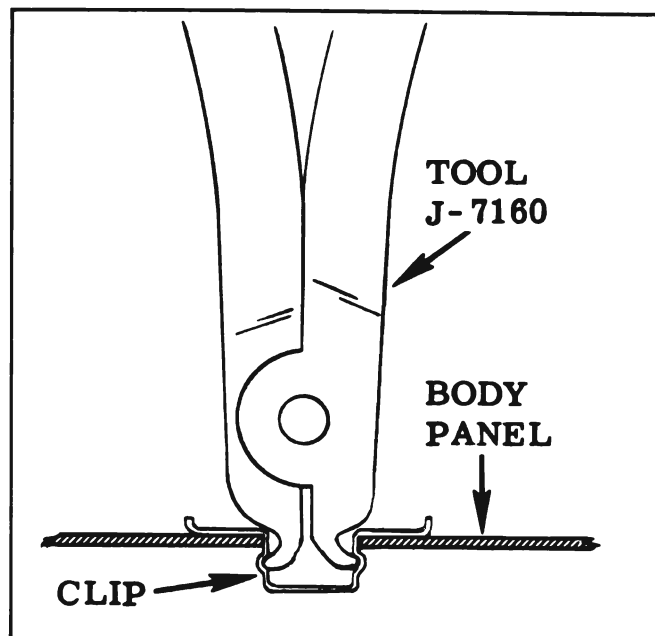


Figure 13-96—Installing a "Bath-Tub" Type Clip

ventilator. Lower the door window below the reveal molding attaching screws. Remove the attaching screws at the front and rear of the molding. With a flat-bladed tool, carefully pry the molding, with integral clips, from the door by rotating it outwardly from the window opening.

To install the molding: align the molding clips to the attaching holes in the door, position the molding and secure each clip with a moderate pressure. Install the molding front and rear attaching screw and the previously removed parts.

#### e. Front Door Outer Panel Lower Molding (4100 Styles)

The molding is secured to the door outer panel by a screw at the front hemming flange and by "bath-tub" type snap-on clips which are previously installed on the door.

To remove the molding: remove the molding front attaching screw. With a flat-bladed tool, carefully pry the molding from the door at each clip location.

To install the molding: replace damaged clips as required. Position the molding to the door, place the molding upper return flange over the clips, and snap the opposite flange over the clips. Install the molding front attaching screw.

**f. Rear Door Window Frame Upper Scalp Molding (4100 Styles)**

The upper scalp molding is secured to the window frame by a snap retention.

To remove the molding: use a suitable flat-bladed hook tool to unsnap the upper scalp molding from the window frame by working outwardly from the window opening. Use care not to damage any door parts.

To install the molding: apply an amount of body caulking compound (1/8" x 1/4" x 1/4") at six inch intervals on the inner side of the molding. Position the molding to each corner of the window frame above the vertical moldings and to the outside edge of the window frame. Snap the molding inwardly over the window frame to secure it.

**g. Rear Door Window Frame Front Vertical Scalp Molding and Rear Door Window Frame Rear Vertical Scalp Molding (4100 Styles)**

The vertical scalp moldings are overlapped by the upper scalp molding and by the reveal molding. They are secured to the door window frame by a snap retention.

To remove either molding: first remove the upper scalp molding. Then, with a suitable flat-bladed hook tool, unsnap the vertical scalp molding from the window frame by starting at the top and by working outwardly from the window opening. Before unsnapping the lower end, slide the molding up to clear the reveal molding. Use care not to damage any door parts.

To install either molding: apply body caulking compound (1/8" x 1/4" x 1/4") at six inch intervals on the inner side of the molding. Position the molding to the outside edge of the window frame, snap the lower end of the molding on the window frame, and slide it behind the reveal molding. Snap the upper portion of the molding into place. Install the upper scalp molding.

**h. Rear Door Window Reveal Molding (4100 Styles)**

The reveal molding is secured to the door by an attaching screw at the front and by integral snap-in type clips.

To remove the molding: remove the front attaching screw. With a flat-bladed tool, carefully pry the molding with integral clips from the door by rotating it outwardly from the window opening.

To install the molding: align the molding clips to the attaching holes in the door, position the molding, and secure each clip with a moderate hand pressure. Install the front attaching screw.

**i. Rear Door Outer Panel Lower Molding (4100 Styles)**

The molding is secured to the door outer panel by: an attaching nut at the front hemming flange, a screw at the rear hemming flange and "bath-tub" type snap-on clips which are previously installed on the door.

To remove the molding: remove the molding front attaching nut and the rear attaching screw. With a flat-bladed tool, carefully pry the molding from the door at each clip location.

To install the molding: replace damaged clips as required. Position the molding to the door, place the molding upper return flange over the clips and snap the opposite flange over the clips. Install the molding front attaching nut and the rear attaching screw.

**j. Rear Quarter Window Upper Reveal Molding (19 Styles)**

The molding, of bright finish on the 4119 style and of painted finish on the 4019 style, is secured by snap-retention to special, pre-installed clips on the quarter window pinch-weld.

To remove the molding: remove the rear quarter window. Protect the front reveal molding from damage as required. With a flat-bladed hook tool, unsnap the upper edge of the molding from the retaining clips. Start removal at the front.

To install the molding: replace retaining clips as required. Position the inner edge of the molding to the retaining clips. Protect the front reveal molding from damage as required. With a pair of pliers, properly insulated, snap the outer edge of the molding over the retaining clips. Seal and complete the installation of the rear quarter window.

### **k. Rear Quarter Window Upper Reveal Molding (35 Styles)**

The molding, of bright finish on the 4135 style and of painted finish on the 4035 style, is secured by snap retention to special, previously installed clips on the quarter window pinchweld.

To remove the molding: loosen the rear quarter window across the top of the opening. Protect the front reveal molding from damage as required. Using a suitable flat-bladed hook tool, unsnap the outer edge of the molding from each retaining clip.

To install the molding: replace retaining clips as required. Align the molding with the front reveal molding and engage the inner edge of the molding with the retaining clips. Protect the front reveal molding from damage as required. With a pair of pliers, properly insulated, snap the molding outer edge into position at each clip location. Seal and complete the installation of the rear quarter window.

### **l. Rear Quarter Window Front Reveal Molding**

The molding, of bright finish on the 4100 series and of painted finish on the 4000 series, is secured by snap retention to special, previously installed clips on the quarter window pinchweld. The molding is overlapped by the upper reveal molding.

To remove the molding: on 19 styles, remove the upper reveal molding. On 35 styles, loosen the front half of the upper reveal molding. Using a suitable flat-bladed hook tool, unsnap the outer edge of the molding from the retaining clips located at the top and bottom of the molding.

To install the molding: replace molding retaining clips as required. Position the molding to the lower reveal molding, engage the inner edge of the molding over the retaining clips, and with a pair of pliers, properly insulated, snap the molding into place. On 19 and 35 styles, install the upper reveal molding. Seal and complete the installation of the rear quarter window.

### **m. Rear Quarter Window Lower Reveal Molding (4100 Styles)**

The molding is secured to the body by attaching screws. The front and upper reveal mold-

ings fit flush to the surface of the lower reveal molding.

To remove the molding: remove the rear quarter window, the upper reveal molding and the front reveal molding. Remove the molding attaching screws and lift the molding upward and outward at the front end to remove it.

To install the molding: position the molding to the body by placing the rear end under the pinchweld flange first and by rotating the front end until the flange fits over quarter panel. Seal and install the attaching screws. Install the front; then the upper reveal molding. Seal and complete the installation of the rear quarter window.

### **n. Rear Fender Lower Molding (4100 Styles)**

The molding is secured to the rear fender with "bath-tub" type snap-on clips and one bolt and clip assembly at the rear.

To remove the molding: on 4135 styles, remove the rear quarter rear trim assembly. Remove the attaching nut. With a flat-bladed tool, carefully pry the molding from the fender at each clip location.

To replace the molding: replace damaged clips as required. Apply body caulking compound to the snap-on clips, to the rear clip bolt and to the attaching nut. Position the molding to the fender, place the molding return flange over the clips, and snap the opposite flange over the clips. Install the molding end attaching nut to effect a watertight seal.

### **o. Rear Compartment Lid Outer Panel Name Plate (19 Styles)**

The name plate is comprised of individual letters each of which is secured to the outer panel by means of an integral stud and an attaching nut. Each attachment is sealed.

To remove the name plate: remove the attaching nuts.

To install the name plate: apply body caulking compound to the individual letter stud and to the attaching nut. Position each letter to the outer panel and install the attaching nut to effect a watertight seal.

**p. Rear Compartment Lid Ornament Emblem and Ring (19 Styles)**

The emblem and ring are sealed and are secured to the lid outer panel with attaching nuts.

To remove the emblem and ring: remove the attaching nuts through the access holes provided in the lid inner panel.

To install the emblem and ring: apply body caulking compound to the integral studs on the emblem and ring and to the attaching nuts. Position the emblem and ring and install the attaching nuts to effect a watertight seal.

**q. Rear Compartment Lid Outer Panel Upper Molding and Rear Compartment Lid Outer Panel Lower Molding (4119 Styles)**

The moldings are secured to the outer panel by bolt and clip assemblies and by "bath-tub" type snap-on clips which are previously installed on the outer panel.

To remove either molding: remove the attaching nuts. With a flat-bladed tool, carefully pry the molding from the outer panel at each clip location.

To install either molding: replace damaged clips as required. Apply body caulking compound to the snap-on clips, to the clip bolts and to the attaching nuts. Position the molding to the outer panel, center the molding, place the upper return flange of the molding over the snap-on clips and snap the opposite flange over the clips. Install the attaching nuts to effect a watertight seal.

**r. Back Door Outer Panel Pinch Weld Finishing Molding (35 Styles)**

The molding is secured by a screw at each outer end and by snap retention over special pinch weld clips.

To remove the molding: remove the end

attaching screws and, with a suitable flat-bladed tool, unsnap the molding at each clip location.

To install the molding: replace and seal damaged clips as necessary. Before clip replacement, apply medium-bodied sealer to the pinch weld surfaces contacted by the clip. Hook one edge of the molding over the clips and snap the opposite side over the clips to secure it. Install and seal the end attaching screws.

**s. Back Body Opening Side Upper Pinch-Weld Finishing Molding (35 Styles)**

The molding is secured by snap retention over special pinch weld clips.

To remove the molding: use a suitable flat-bladed tool and unsnap the molding at each clip location.

To install the molding: replace and seal any damaged clips as necessary. Before clip replacement, apply medium-bodied sealer to the pinch weld surfaces contacted by the clips. Hook one edge of the molding over the clips and snap the opposite side over the clips to secure it.

**t. Back Door Outer Panel Name Plate (35 Styles)**

The name plate is comprised of individual letters each of which is secured to the outer panel by means of two integral studs and two special, pre-installed "snap-in" type retaining clips.

To remove the name plate: use a suitable flat-bladed tool and carefully pry each name plate letter from the retaining clips.

To install the name plate: if necessary, secure replacement clips. Insert the clips into the back door attaching slots. Fill each clip with body caulking compound. Also, apply compound around the clip edges to provide a watertight seal. Align the name plate letter studs with the clips and apply an even, gradual pressure on each letter to secure it flush to the panel.