

SECTION 4-B REAR COMPARTMENT

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4-4 REAR COMPARTMENT LID AND HINGES

a. Description

The rear compartment lid employs two (2) torsion rods between the hinge assemblies as a counterbalance and hold open for the lid. Notches are provided at the hinge assemblies for rod adjustment. The rear compartment lid lock employs the use of a side action snap-bolt mechanism to conform to the thin section design of the rear compartment lid. The end of the lock assembly enters the striker when the lid is closed and acts as a guide. A single section cement-on type weatherstrip is used on all styles and is cemented to the rear compartment and gutter assembly.

b. Removal and Installation of Rear Compartment Lid

1. Open lid and place protective covering along edges of rear compartment opening to prevent damage to painted surface.

2. Disengage wire harness from clips on hinge and rear compartment lid inner panel and remove wire harness from lid where necessary.

3. Mark location of hinge straps on lid inner panel.

4. With aid of helper remove lid attaching bolts "A" (Figure 4-13) and remove rear compartment lid.

5. To install rear compartment lid, reverse removal procedure. Align lid with scribe marks before tightening hinge attaching bolts.

c. Rear Compartment Lid Adjustments

1. To adjust compartment lid forward or rearward, or from side to side in body opening,

loosen both hinge strap attaching bolts and adjust lid as required; then tighten bolts.

2. To adjust compartment lid at hinge area up or down, install shims between lid inner panel and hinge straps as follows:

a. To raise front edge of lid at hinge area, place shim between lid inner panel and forward portion of one or both hinge straps at "C" (Figure 4-13).

b. To lower front edge of lid at hinge area, place shim between lid inner panel and rearward portion of one or both hinge straps at "B" (Figure 4-13).

3. To check lid lock bolt engagement with striker, see "Rear Compartment Lid Lock Striker Engagement Check".

d. Removal of Rear Compartment Lid Hinge

1. Place protective covering over body around upper portion of rear compartment opening and provide support for lid on side where hinge is to be removed.

2. Remove rear compartment side trim foundation at hinge area if necessary. If left hinge is being removed, disengage wire harness from clip on left hinge. On Chevrolet and Pontiac styles remove hinge torque rod covers.

3. Mark location of hinge strap on lid inner panel and remove bolts securing hinge strap to lid.

4. With a suitable tool disengage torque rod from notched retainer on inboard face of opposite hinge box "E" (Figure 4-13).

NOTE: Mark retainer notch before removing torque rod to insure that rod is installed in same position.

5. Disengage opposite end of torque rod from movable portion of hinge strap and remove rod.

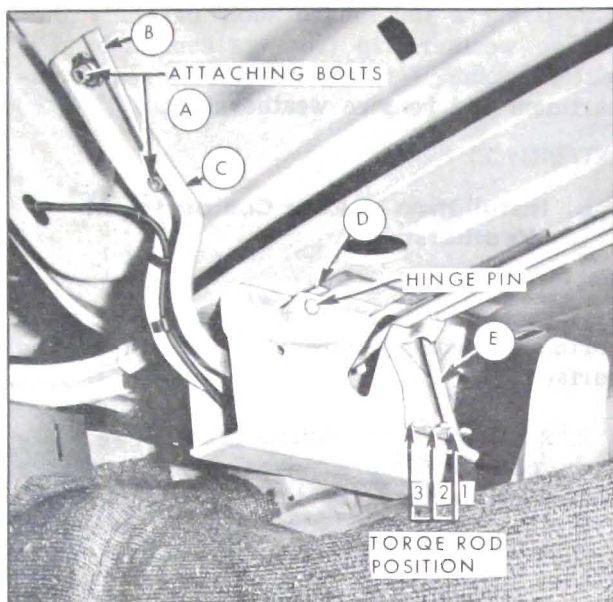


Figure 4-13—Rear Compartment Hinge & Torque Rod

6. Bend up hinge pin retaining tab on inboard face of hinge box "D" (Figure 4-13); remove hinge pin and then remove hinge from box.

e. Installation of Rear Compartment Lid Hinge

1. Position hinge in hinge box and install hinge pin.

2. Position hinge strap within scribe marks on lid inner panel and install attaching bolts.

3. Install "U" shaped end of torque rod to hinge box making certain outer end of rod is engaged in hole in outboard face of hinge box.

4. Engage torque rod to lower movable portion of hinge and engage other end of rod to correct retaining notch in inboard face of opposite hinge box.

5. Check alignment of rear compartment lid and make any necessary adjustments.

6. Replace wire harness if left hinge was removed.

7. Replace all previously removed trim.

f. Rear Compartment Torque Rod Adjustment

The amount of effort required to open and close the rear compartment lid is determined by the position of the torque rods in the notches

on the inboard face of the hinge boxes. If the torque rod is located in the lowest or rearward notch (position #1), the amount of effort required to open the lid is the greatest and the amount of effort required to close the lid is the least. If the torque rod is located in the top or most forward notch (position #3), the amount of effort to open the lid is the least and the amount of effort to close the lid is the greatest. See "E" (Figure 4-13).

NOTE: It is not necessary to adjust the left and right hand torque rods at the same time or to the same final position (notch).

4-5 REAR COMPARTMENT LOCK

a. Removal and Installation of Rear Compartment Lid Lock Cylinder

The rear compartment lid lock cylinder is secured to the rear end outer panel by a metal retainer.

1. Open rear compartment lid.
2. Remove lock cylinder retainer (Figure 4-14) and remove lock cylinder assembly.

3. To install, reverse removal procedure, making certain lock cylinder gasket seals to the rear end outer panel. Check for proper operation.

b. Removal and Installation of Rear Compartment Lid Lock

The rear compartment lid lock is attached to the rear end panel lock support by screws (Figure 4-14).

1. Open rear compartment lid.

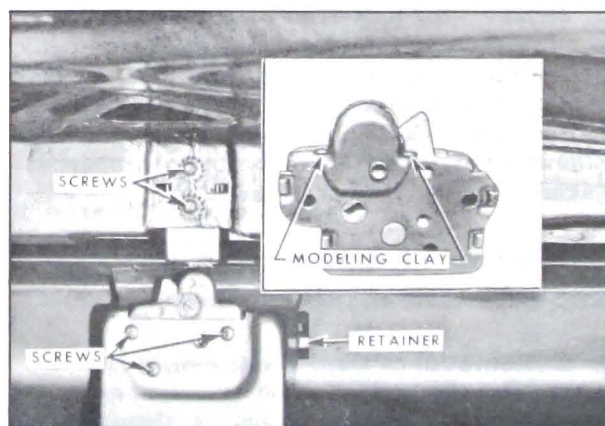


Figure 4-14—Rear Compartment Lid Lock and Striker

2. Remove rear compartment lock cylinder retainer and remove cylinder assembly.

3. Remove lock attaching screws and lock assembly.

4. To install, reverse removal procedure and check for proper operation of lock and lock cylinder.

c. Removal and Installation of Rear Compartment Lid Lock Striker

The rear compartment lid lock striker is attached to the rear compartment lid inner panel by screws (Figure 4-14).

1. Open rear compartment lid.
2. Mark location of striker on lid inner panel.
3. Remove attaching screws and striker.
4. To install, position striker within scribed marks; install attaching screws, check for proper operation and tighten attaching screws.

d. Rear Compartment Lid Lock Striker Engagement Check

IMPORTANT: Since the rear compartment lock frame acts as a guide when entering the striker, make sure rear compartment lid is properly positioned in body opening before performing striker engagement check. To check for proper engagement of rear compartment lid lock bolt with striker, use the following procedure:

1. Insert a small quantity of modeling clay on frame of lock at both sides of the lock bolt as shown in inset of Figure 4-14. Close lid with moderate force.
2. Open lid and check amount of engagement of striker with lock frame as indicated by the compression of the clay. The striker bar impressions in the clay should be even on both sides of the lock frame. Where required, loosen striker attaching screws; adjust striker sideways or up or down to obtain proper engagement; then tighten screws.

4-6 REAR COMPARTMENT WEATHERSTRIP

a. Removal of Rear Compartment Weatherstrip

1. Separate 'butt' ends of weatherstrip at rear of compartment opening.

2. Using a flat-bladed tool, carefully disengage weatherstrip from its cement bond in gutter around entire perimeter of rear compartment and remove weatherstrip.

b. Installation of Rear Compartment Weatherstrip

1. Clean out gutter around entire rear compartment opening to provide a clean cementing surface.

2. Apply (brush) a continuous coat of weatherstrip cement (neoprene type) along the lower and outer surfaces of the rear compartment gutter as indicated at "1" in Figure 4-15 around full length of gutter.

3. Using a flat-bladed tool, such as a putty knife or headlining inserting tool, insert weatherstrip into gutter starting with one end of weatherstrip at rear center of gutter and working completely around gutter.

4. If installing new weatherstrip, trim end of weatherstrip to form a butt joint at rear center of opening. Brush weatherstrip adhesive (black) on both ends of weatherstrip and secure ends together to form a butt joint.

5. Using a pressure type applicator, apply weatherstrip cement (neoprene type) between weatherstrip and outer surface of gutter as indicated at "2" in Figure 4-15 completely around gutter to assure a watertight seal.

6. Roll or press weatherstrip to aid in obtaining a good cement bond and proper retention of the weatherstrip. Allow sufficient time for cement to set before closing rear compartment lid.

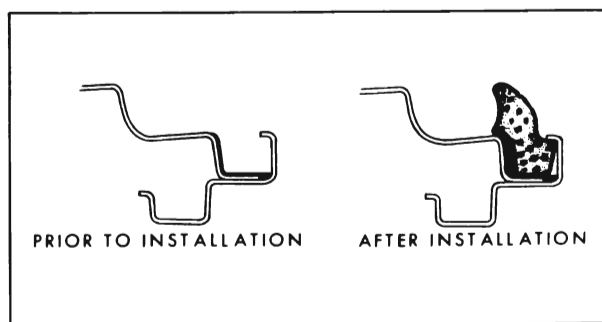


Figure 4-15—Rear Compartment Weatherstrip Installation