

ACCESSORIES & EQUIPMENT

Removable Top - Corvette

SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Fastener Tightening Specifications

Application	Specification	
	Metric	English
Front Side Door Window Rear Weatherstrip Retainer Screws	3 N.m	27 lb in
Front Side Door Window Upper Weatherstrip Retainer Screws	3 N.m	27 lb in
Front Side Door Window Upper Weatherstrip Screw	3 N.m	27 lb in
Removable Top Locating Pin	25 N.m	18 lb ft
Roof Lift Off Panel/Window Front Striker Bolts	10 N.m	89 lb in
Roof Lift Off Panel/Window Latch Handle Bolts	18 N.m	13 lb ft
Roof Lift Off Panel/Window Latch Trim Cover Bolts	3 N.m	27 lb in
Roof Lift Off Panel/Window Panel Locating Pins	25 N.m	18 lb ft
Roof Lift Off Panel/Window Panel Rear Latch Bolts	18 N.m	13 lb ft
Roof Lift Off Panel/Window Rear Locator Bolts	10 N.m	89 lb in
Roof Lift Off Panel/Window Rear Locator Bracket Bolts	35 N.m	26 lb ft
Roof Lift Off Panel/Window Rear Striker Bolts	9 N.m	80 lb in

REPAIR INSTRUCTIONS

ROOF LIFT OFF PANEL/WINDOW LATCH HANDLE REPLACEMENT

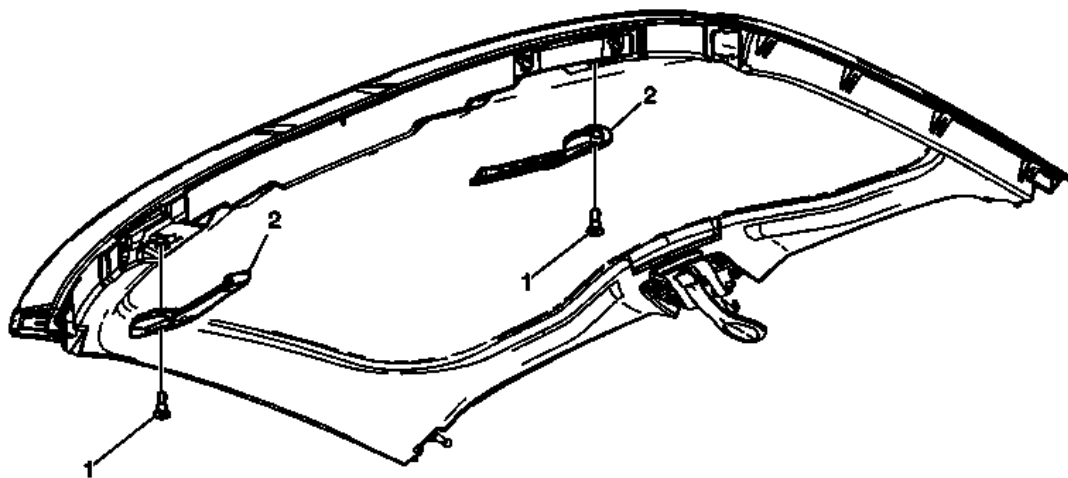


Fig. 1: Roof Lift Off Panel Front Latch Handle Components
 Courtesy of GENERAL MOTORS COMPANY

Roof Lift Off Panel/Window Latch Handle Replacement

Callout	Component Name
Preliminary Procedure Remove the roof lift off panel. Refer to Roof Lift Off Panel Replacement .	
1	Roof Lift Off Panel/Window Latch Handle Bolt (Qty: 2) CAUTION: Refer to Fastener Caution . Tighten 18 N.m (13 lb ft)
2	Roof Lift Off Panel/Window Latch Handle (Qty: 2)

ROOF LIFT OFF PANEL/WINDOW LATCH TRIM COVER REPLACEMENT

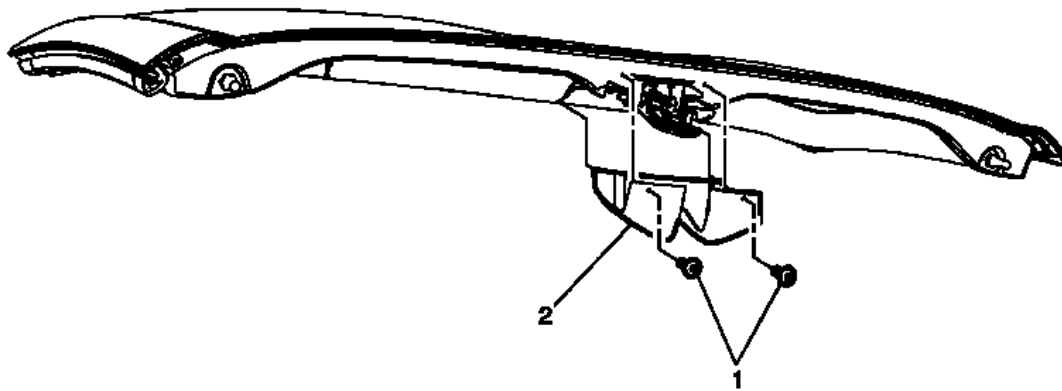


Fig. 2: Roof Lift Off Panel/Window Latch Trim Cover
Courtesy of GENERAL MOTORS COMPANY

Roof Lift Off Panel/Window Latch Trim Cover Replacement

Callout	Component Name
Preliminary Procedure Remove the roof lift off panel. Refer to Roof Lift Off Panel Replacement .	
1	Rear Lift Off Panel/Window Latch Handle Trim Cover Bolt (Qty: 2) CAUTION: Refer to Fastener Caution . Tighten 3 N.m (27 lb in)
2	Rear Lift Off Panel/Window Latch Handle Trim Cover

ROOF LIFT OFF PANEL/WINDOW REAR LATCH REPLACEMENT

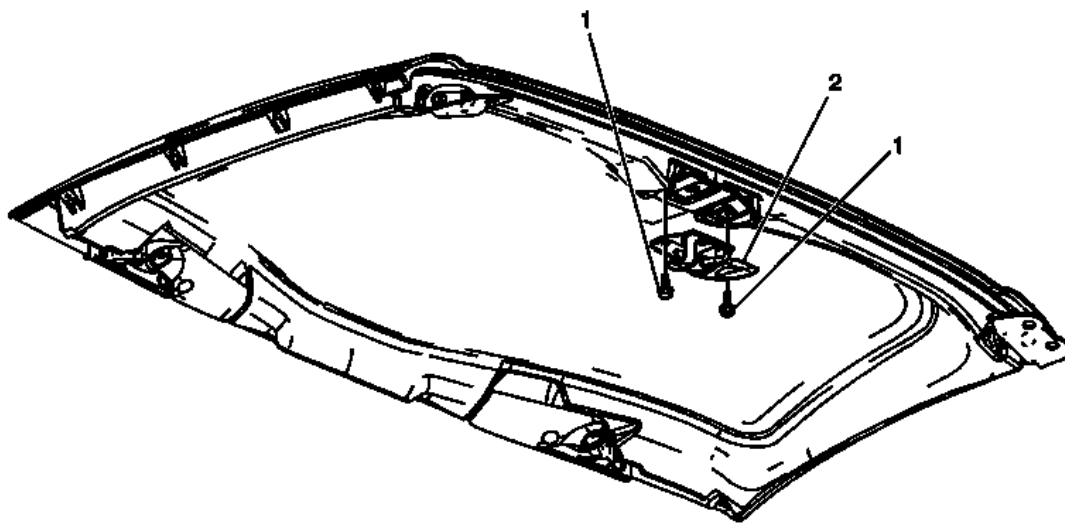


Fig. 3: Roof Lift Off Panel Rear Latch Components
 Courtesy of GENERAL MOTORS COMPANY

Roof Lift Off Panel/Window Rear Latch Replacement

Callout	Component Name
Preliminary Procedure Remove the roof lift off panel/window latch trim cover. Refer to <u>Roof Lift Off Panel/Window Latch Trim Cover Replacement</u> .	
1	Roof Lift Off Panel/Window Rear Latch Bolt (Qty: 2) CAUTION: Refer to <u>Fastener Caution</u> . Tighten 18 N.m (13 lb ft)
2	Roof Lift Off Panel/Window Rear Latch (Qty: 2)

ROOF LIFT OFF PANEL/WINDOW REAR LOCATOR REPLACEMENT

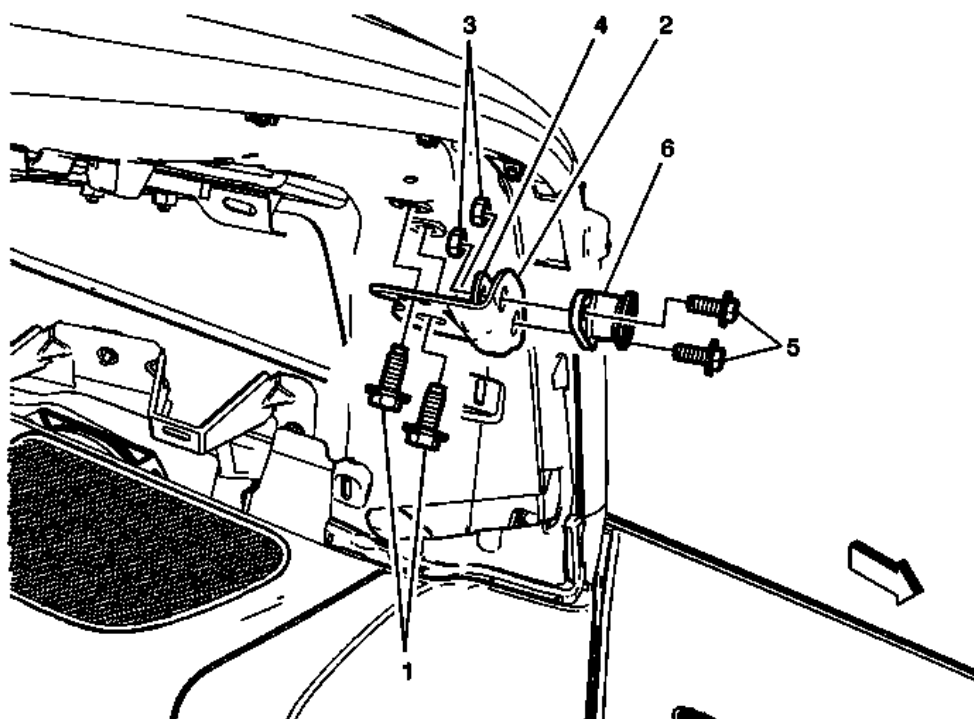


Fig. 4: Roof Lift Off Panel/Window Rear Locator
 Courtesy of GENERAL MOTORS COMPANY

Roof Lift Off Panel/Window Rear Locator Replacement

Callout	Component Name
Preliminary Procedures 1. Remove the roof lift off panel. Refer to Roof Lift Off Panel Replacement. 2. Mark the location of the locator before removing the bolts with a grease pencil. 3. Mark the location of the locator bracket before removing the bolts with a grease pencil. 4. Remove the quarter window trim finish panel. Refer to Quarter Window Trim Finish Panel Replacement.	
1	Roof Lift Off Panel/Window Rear Locator Bracket Bolt (Qty: 2) CAUTION: Refer to Fastener Caution . Tighten 35 N.m (26 lb ft)
2	Roof Lift Off Panel/Window Rear Locator Bracket
3	Roof Lift Off Panel/Window Rear Locator Nut (Qty: 2)
4	Roof Lift Off Panel/Window Rear Locator Anchor Plate

5	Tighten 10 N.m (89 lb in)
6	Roof Lift Off Panel/Window Rear Locator Procedure If the roof panel needs adjusting. Refer to <u>Roof Lift Off Panel Adjustment</u> . NOTE: Inspect the roof panel for proper operation.

ROOF LIFT OFF PANEL REPLACEMENT

Removal Procedure

CAUTION: Perform the following procedures before removing or installing the roof lift off panel to help avoid damage.

- Park the vehicle on a level service.
- Shift the automatic transmission into PARK.
- Shift a manual transmission into REVERSE or FIRST gear.
- Set the parking brake firmly.
- Lower the side windows.
- Turn the ignition key OFF

1. Position the sunshades to the side to access the front latches.
2. Pull down the front handles and rotate them toward the center of the vehicle.
3. Depress the rear latch release button and rotate the rear latch lever down and forward.
4. Lift the front of the roof panel and slide the roof panel forward releasing the roof locator pins from the rear locator brackets.

Installation Procedure

1. Place the roof panel on a protective surface.
2. Transfer all necessary parts to the new roof panel.
3. Position the sunshades to the side.
4. Rotate the roof panel front and rear latch handles to their fully open positions.
5. Position the rear edge of the roof panel in the roof opening on top of the rear weatherstrip.
6. Align the rear edge of the roof panel weatherstrip with the receiving cup in the roof rear weatherstrip.

NOTE: Ensure that the roof panel is in alignment with the both door windows and that the roof panel adjustment are made.

8. Adjust the roof panel. Refer to **Roof Lift Off Panel Adjustment**.
9. Engage the front latch handles.
10. Engage the rear latch.

ROOF LIFT OFF PANEL ADJUSTMENT

1. Perform one or more of the following five adjustment procedures to properly align the roof lift off panel.

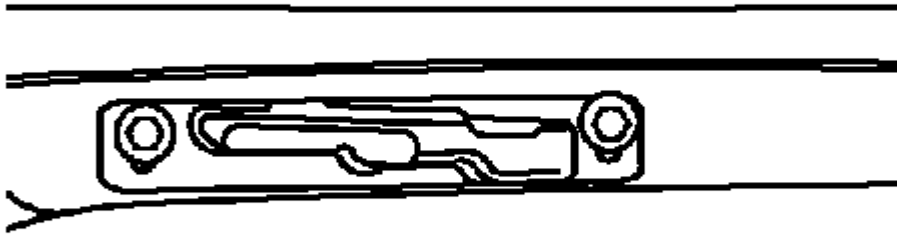


Fig. 5: Roof Front Latch Handle Striker Bolts
Courtesy of GENERAL MOTORS COMPANY

2. To adjust the front striker for up down roof alignment perform the following steps:
3. Remove the windshield side garnish molding. Refer to **Windshield Garnish Molding Replacement**.
 1. For major up down roof adjustment loosen the striker bolts and reposition the latch striker up or down.
 2. For minor up or down roof adjustment loosen the striker outboard bolt and slightly loosen the inboard bolt, pivot the striker on the inboard bolt in 2 mm (0.08 in) increments up or down.

CAUTION: Refer to Fastener Caution .

3. Tighten the striker bolts.

Tighten

Tighten the roof front latch handle striker bolts to 10 N.m (89 lb in).

4. When the striker is properly adjusted the handle will snap closed.
4. Install the windshield side garnish molding. Refer to **Windshield Garnish Molding Replacement** .

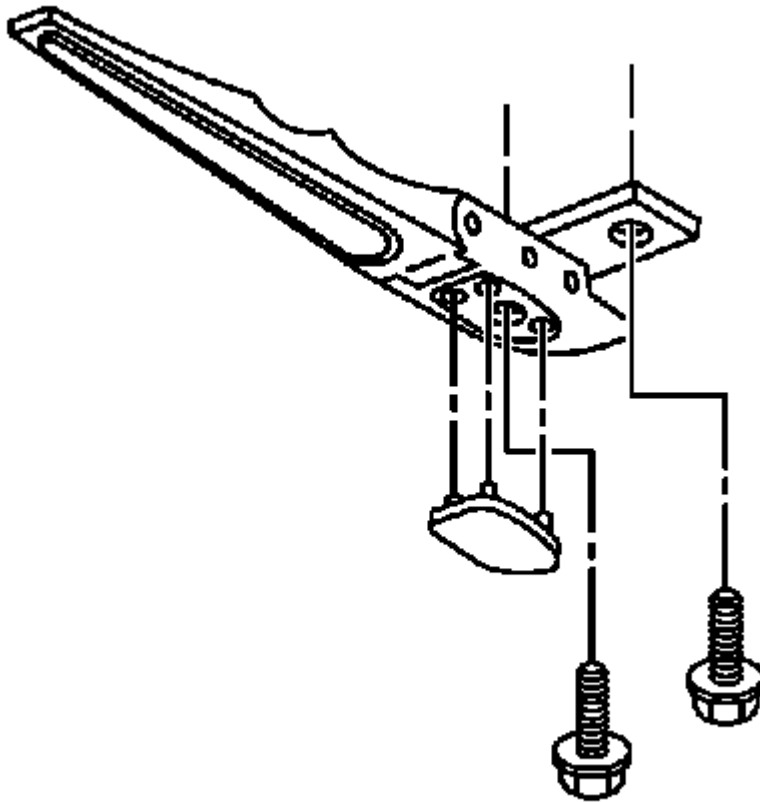


Fig. 6: Bolt & Latch Handle Assembly
Courtesy of GENERAL MOTORS COMPANY

5. To adjust the front latch handle forward or rearward perform the following steps:
 1. Loosen the latch handle bolts.
 2. Position the latch handle forward or rearward. Maintain a minimum of 2 mm (0.08 in)

clearance between latch handle and the latch striker to avoid squeaks and rattles.

3. Assure the latch handle base is parallel to the striker to provide clearance to the sunshade mirror door.
4. Tighten the latch handle bolts.

Tighten

Tighten the roof front latch handle bolts to 18 N.m (13 lb ft).

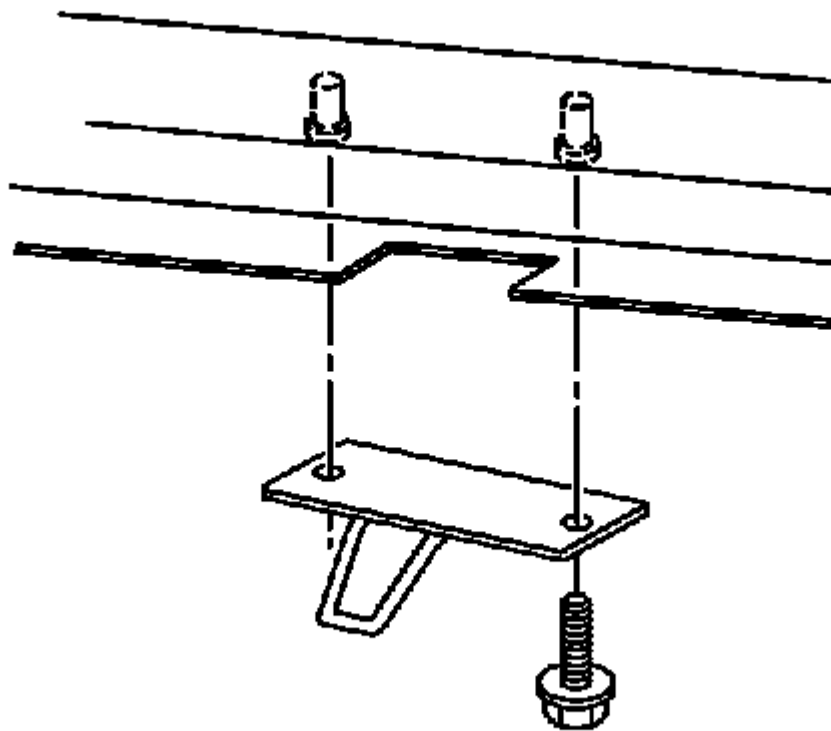


Fig. 7: Roof Bow Center Interior Trim Panel
Courtesy of GENERAL MOTORS COMPANY

6. For major rear latch adjustment adjust the rear latch striker performing the following steps:
 1. Remove the roof lift off panel.
 2. Loosen the rear latch striker attaching bolts.
 3. Adjust the position of the latch striker forward or rearward for major adjustment.
 4. Tighten the striker attaching bolts.

Tighten

Tighten the roof rear striker bolts to 9 N.m (80 lb in).

5. Install the roof lift off panel.

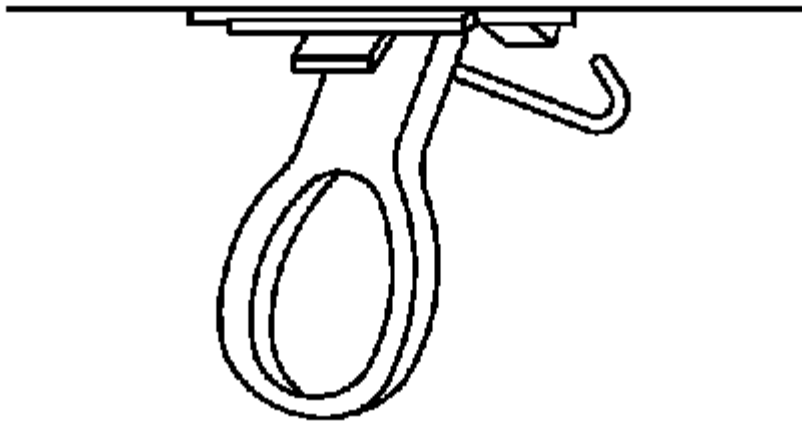


Fig. 8: Rear Latch

Courtesy of GENERAL MOTORS COMPANY

7. For minor rear latch adjustment, adjust the latch handle hook one turn at a time to achieve moderate pressure to the latch as follows.
 1. Remove the roof lift off panel.
 2. Loosen the set screw locking the latch hook.
 3. Turn the hook in to tighten or out to loosen.
 4. Tighten the set screw.
 5. Install the roof panel.

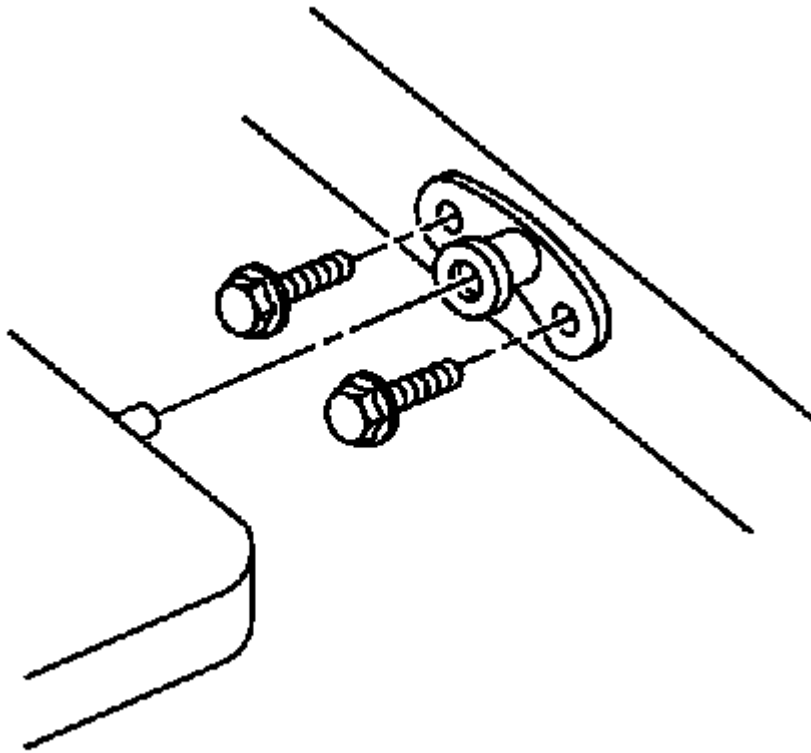


Fig. 9: Roof Rear Locator To Locator Bracket Bolts
Courtesy of GENERAL MOTORS COMPANY

8. To adjust the rear locator perform the following steps:
 1. With the roof installed on the vehicle loosen the locator mounting bolts.
 2. Reposition the locator.
 3. Tighten the mounting bolts.

Tighten

Tighten the roof rear locator to locator bracket bolts to 35 N.m (26 lb ft).

REMOVABLE TOP LOCATING PIN REPLACEMENT

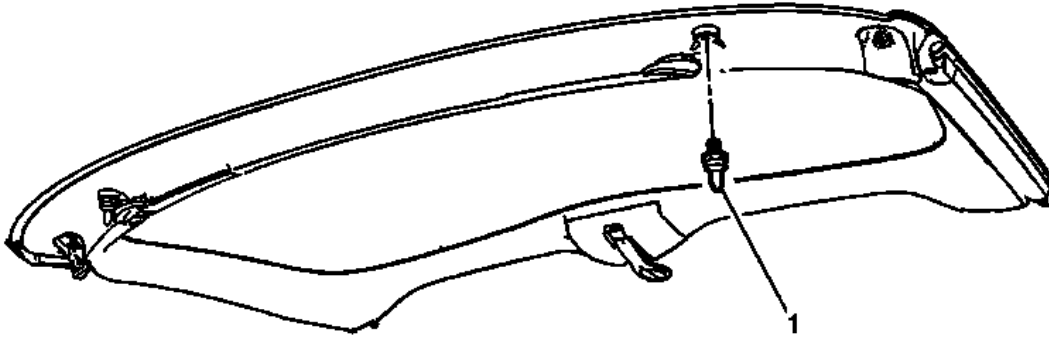


Fig. 10: Removable Top Locating Pin
Courtesy of GENERAL MOTORS COMPANY

Removable Top Locating Pin Replacement

Callout	Component Name
Preliminary Procedure	
Remove the roof lift off panel. Refer to Roof Lift Off Panel Replacement .	
1	Removable Top Locating Pin (Qty: 2) CAUTION: Refer to Fastener Caution . Tighten 25 N.m (18 lb ft)

ROOF LIFT OFF PANEL/WINDOW REAR LOCATING PIN REPLACEMENT

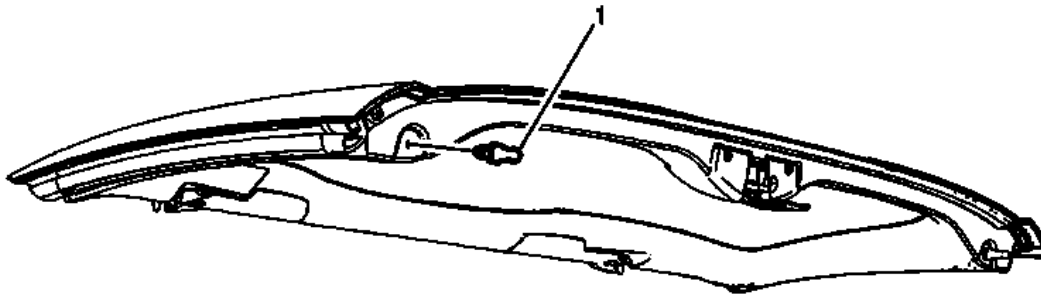


Fig. 11: Roof Lift Off Panel/Window Rear Locating Pin
Courtesy of GENERAL MOTORS COMPANY

Roof Lift Off Panel/Window Rear Locating Pin Replacement

Callout	Component Name
Preliminary Procedure	
Remove the roof lift off panel. Refer to Roof Lift Off Panel Replacement .	
1	Rear Lift Off Panel/Window Rear Locating Pin (Qty: 2) CAUTION: Refer to Fastener Caution . Tighten 25 N.m (18 lb ft)

ROOF LIFT OFF PANEL/WINDOW REAR WEATHERSTRIP RETAINER REPLACEMENT

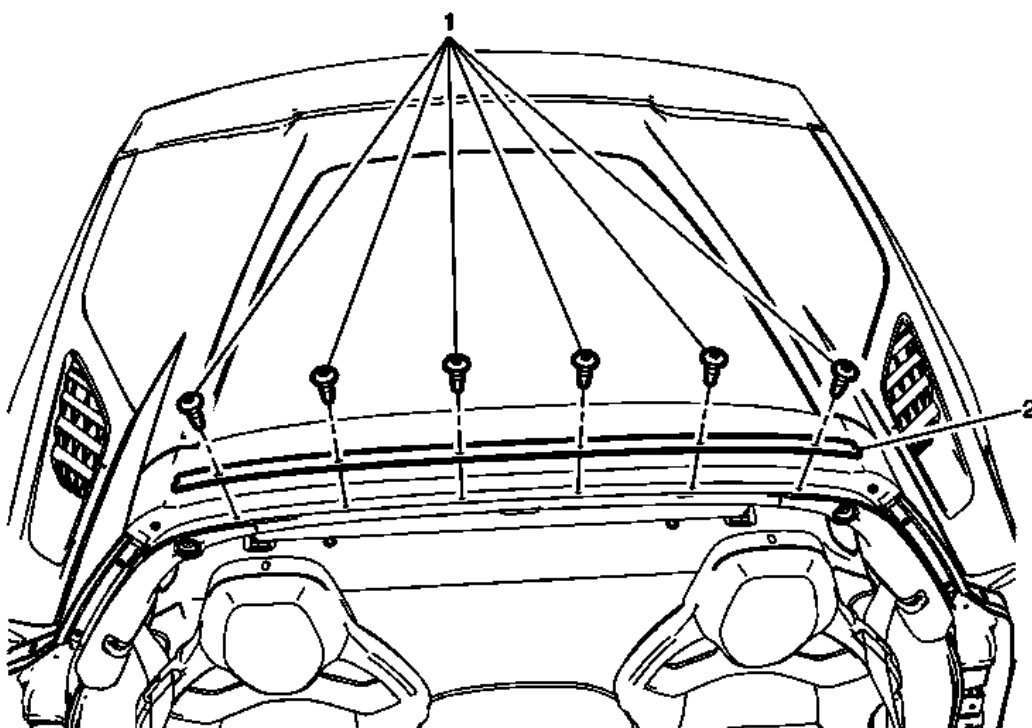


Fig. 12: Roof Lift Off Panel/Window Rear Weatherstrip Retainer
 Courtesy of GENERAL MOTORS COMPANY

Roof Lift Off Panel/Window Rear Weatherstrip Retainer Replacement

Callout	Component Name
Preliminary Procedure Remove the rear lift window panel weatherstrip. Refer to Roof Lift Off Panel/Window Rear Weatherstrip Replacement .	
1	Roof Lift Off Panel/Window Rear Weatherstrip Retainer Screw (Qty: 6) CAUTION: Refer to Fastener Caution . Tighten 3 N.m (27 lb in).
2	Roof Lift Off Panel/Window Rear Weatherstrip Retainer

ROOF LIFT OFF PANEL/WINDOW REAR WEATHERSTRIP REPLACEMENT

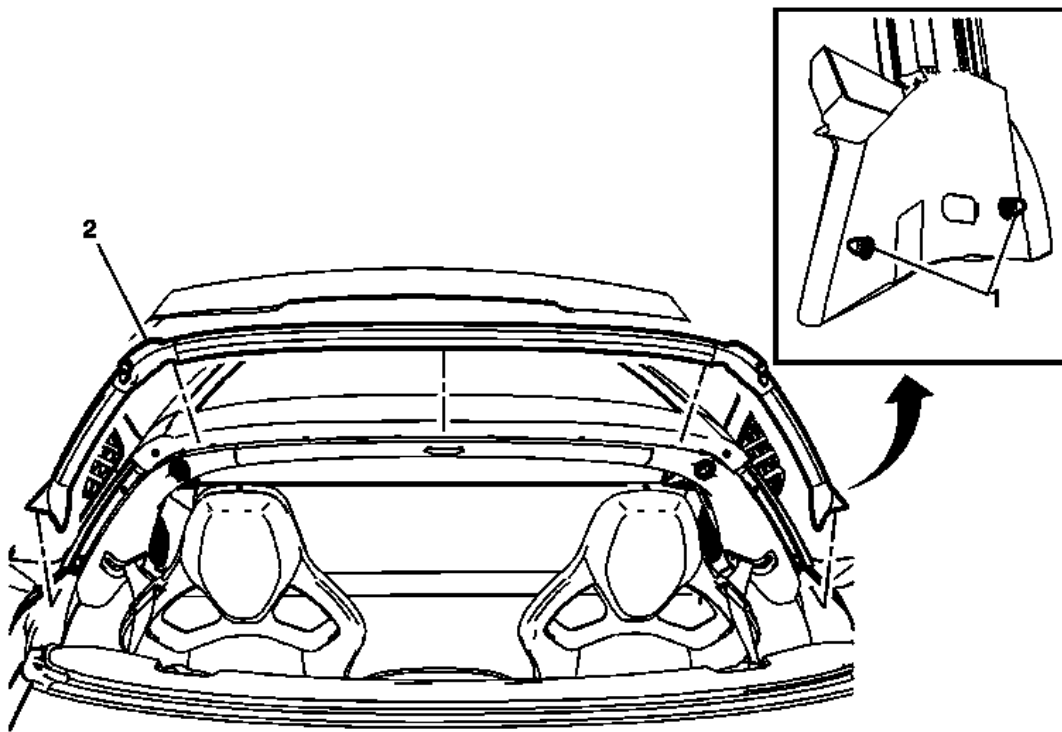


Fig. 13: Roof Lift Off Panel/Window Rear Weatherstrip
 Courtesy of GENERAL MOTORS COMPANY

Roof Lift Off Panel/Window Rear Weatherstrip Replacement

Callout	Component Name
Preliminary Procedures	
1. Open the driver and passenger side doors. 2. Remove the roof lift off panel. Refer to Roof Lift Off Panel Replacement .	
1	Roof Lift Off Panel/Window Rear Weatherstrip Retainer (Qty :4) Procedure Using the appropriate tool, remove the push in retainers from the lower corners of the weatherstrip.
2	Roof Lift Off Panel/Window Rear Weatherstrip Procedure 1. Clean the panel surface with a 50/50 mixture of isopropyl alcohol and water by volume on a dampened lint free cloth removing all traces of the old weatherstrip. 2. Apply a thin continuous bead of weatherstrip sealant inside the forward lip of the lid. 3. Apply a bead of sealant on the lower side of the lip, from the corners up

4. Insert the weatherstrip into the upper retainer starting in the center and working outwards and down the sides.

NOTE:

Water test the vehicle to ensure no leaks.

FRONT SIDE DOOR WINDOW UPPER WEATHERSTRIP REPLACEMENT

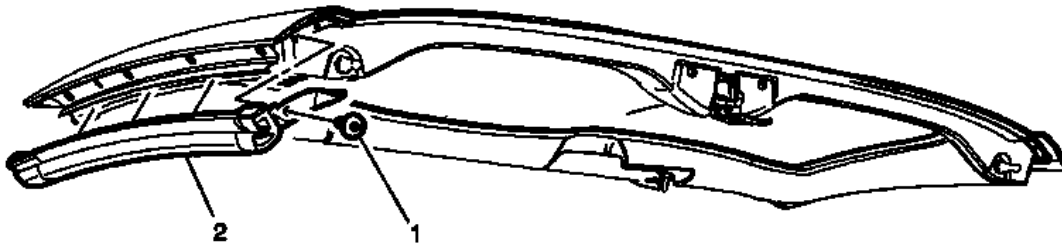


Fig. 14: Front Side Door Window Upper Weatherstrip
Courtesy of GENERAL MOTORS COMPANY

Front Side Door Window Upper Weatherstrip Replacement

Callout	Component Name
Preliminary Procedure	
1. Open the driver and passenger side doors. 2. Remove the roof lift off panel. Refer to Roof Lift Off Panel Replacement.	
1	Front Side Door Window Upper Weatherstrip Screw CAUTION: Refer to Fastener Caution .

	3 N.m (27 lb in).
2	Front Side Door Window Upper Weatherstrip Procedure Slide the weatherstrip rearward and pull out of the front side door window weatherstrip retainer.

FRONT SIDE DOOR WINDOW UPPER WEATHERSTRIP RETAINER REPLACEMENT

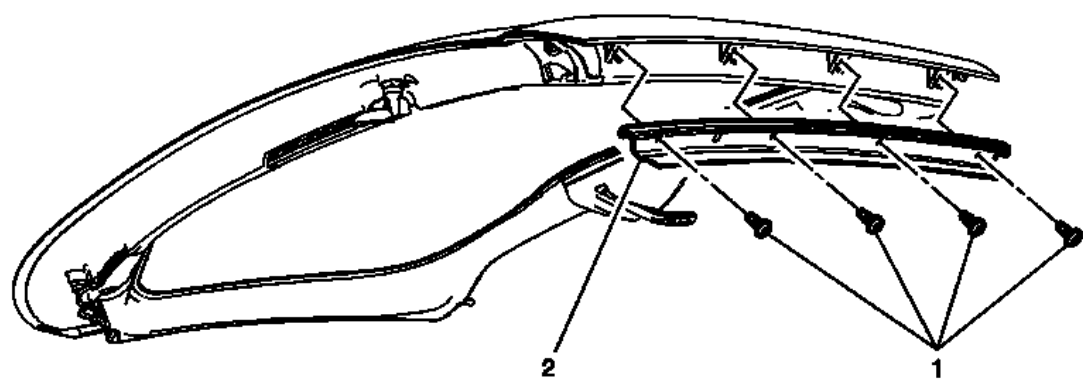


Fig. 15: Front Side Door Window Upper Weatherstrip Retainer
Courtesy of GENERAL MOTORS COMPANY

Front Side Door Window Upper Weatherstrip Retainer Replacement

Callout	Component Name
Preliminary Procedure Remove the Roof Lift Off Panel/Window Rear Weatherstrip. Refer to Front Side Door Window Upper Weatherstrip Replacement .	
1	Front Side Door Window Upper Weatherstrip Retainer Screw (Qty: 4) CAUTION: Refer to Fastener Caution . Tighten 3 N.m (27 lb in).

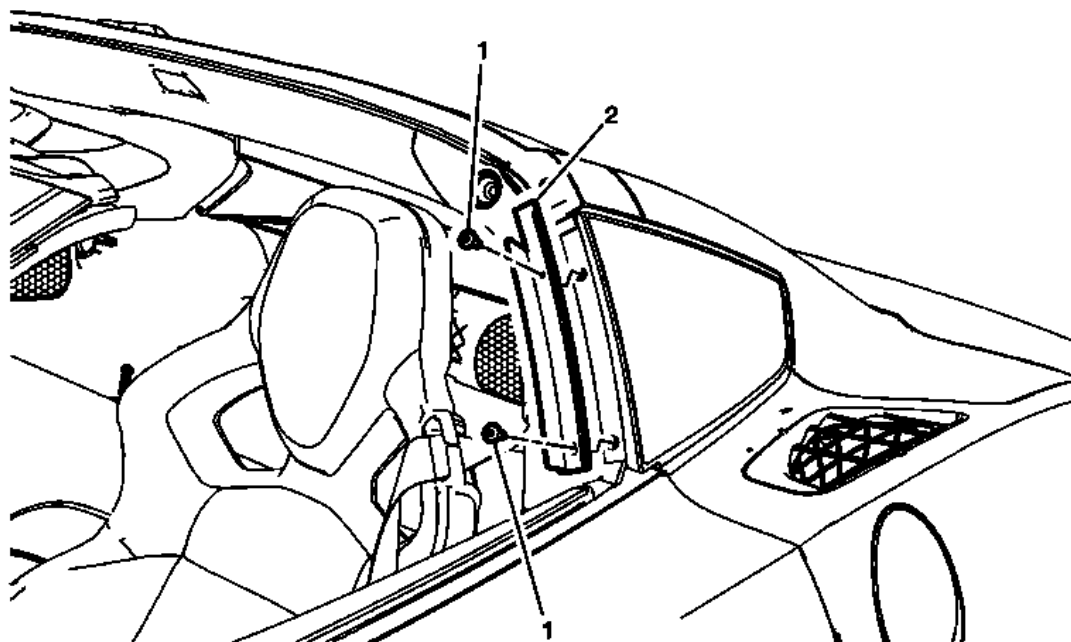
FRONT SIDE DOOR WINDOW REAR WEATHERSTRIP RETAINER REPLACEMENT

Fig. 16: Front Side Door Window Rear Weatherstrip Retainer
Courtesy of GENERAL MOTORS COMPANY

Front Side Door Window Rear Weatherstrip Retainer Replacement

Callout	Component Name
Preliminary Procedure Remove the rear lift window panel weatherstrip. Refer to <u>Roof Lift Off Panel/Window Rear Weatherstrip Replacement</u> .	
1	Front Side Door Window Rear Weatherstrip Retainer Screw (Qty: 2) CAUTION: Refer to <u>Fastener Caution</u> . Tighten 3 N.m (27 lb in).
2	Front Side Door Window Rear Weatherstrip Retainer

ROOF LIFT OFF PANEL/WINDOW FRONT STRIKER REPLACEMENT

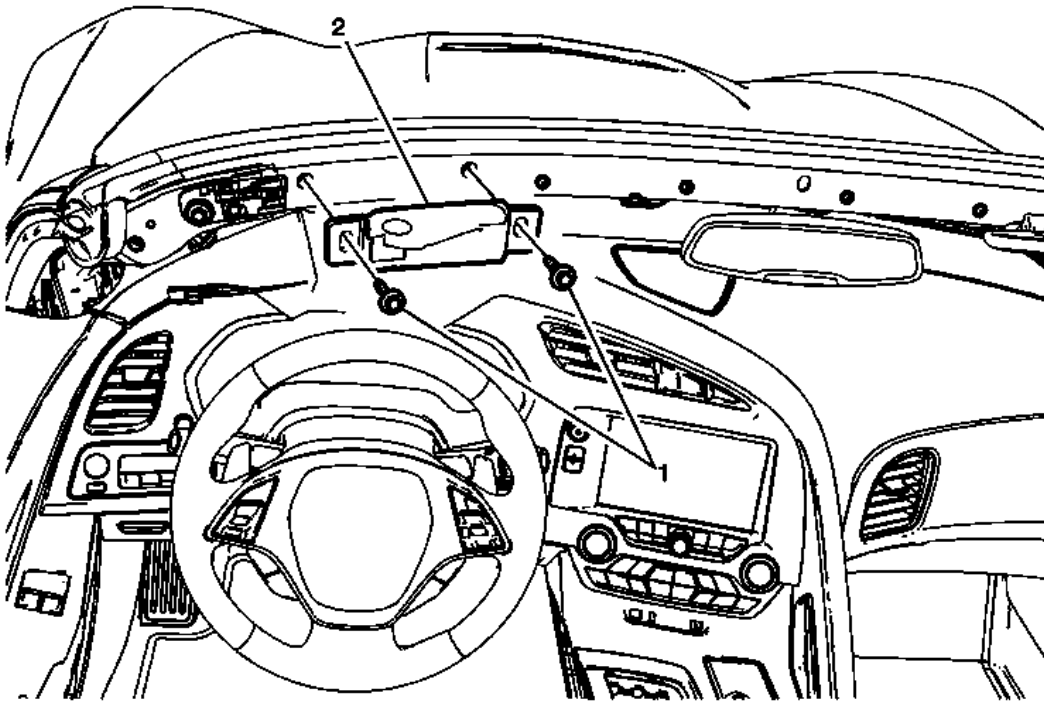


Fig. 17: Roof Lift Off Panel/Window Front Striker
Courtesy of GENERAL MOTORS COMPANY

Roof Lift Off Panel/Window Front Striker Replacement

Callout	Component Name
Preliminary Procedures 1. Remove the windshield side garnish molding. Refer to <u>Windshield Garnish Molding Replacement</u> . 2. Mark the location of the front striker before removing the bolts with a grease pencil.	
1	Roof Lift Off Panel/Window Front Striker Bolt (Qty: 2) CAUTION: Refer to <u>Fastener Caution</u> . Tighten 10 N.m (89 lb in)
2	Roof Lift Off Panel/Window Front Striker Procedure 1. Disconnect the electrical connector, if equipped.

NOTE:
Inspect the roof panel for proper operation.

ROOF LIFT OFF PANEL/WINDOW REAR STRIKER REPLACEMENT

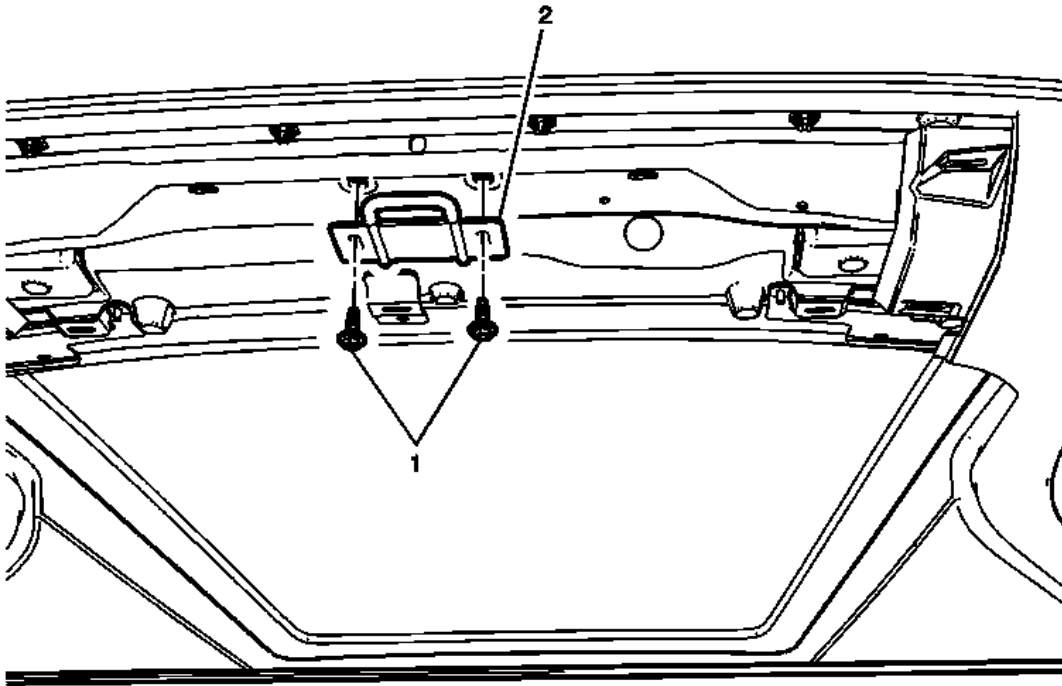


Fig. 18: Roof Lift Off Panel/Window Rear Striker
Courtesy of GENERAL MOTORS COMPANY

Roof Lift Off Panel/Window Rear Striker Replacement

Callout	Component Name
Preliminary Procedures	
1. Mark the location of the rear striker before removing the bolts with a grease pencil. 2. Remove the headlining rear trim panel. Refer to <u>Headlining Rear Trim Panel Replacement</u>.	
1	Roof Lift Off Panel/Window Rear Striker Bolt (Qty: 2) CAUTION: Refer to <u>Fastener Caution</u>. Tighten 9 N.m (80 lb in)

2

Procedure

If the roof panel needs adjusting. Refer to **Roof Lift Off Panel Adjustment**.

NOTE:

Inspect the roof panel for proper operation.

DESCRIPTION AND OPERATION

LIFT OFF PANEL DESCRIPTION

There are 2 roof lift off panels available. One roof panel is composed of a see through polycarbonate and the other roof panel is composed of SMC plastic painted to match the body color. Either of the roof lift off panels can be stored in the rear cargo compartment. Special egg shaped brackets on the floor of the rear cargo area support the rear of the stored roof panel. Release pins on the rear lift window panel latches secure the front of the stored roof panel.