

2006 Cadillac SRX

2006 ACCESSORIES & EQUIPMENT Body Front End - SRX

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SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Fastener Tightening Specifications

Application	Specification	
	Metric	English
Air Inlet Grille Panel Nut	6 N.m	53 lb in
Air Inlet Grille Panel Screws	3 N.m	27 lb in
Cross Vehicle Brace	112 N.m	83 lb ft
Front Fender Bolts	9 N.m	80 lb in
Hood Adjustment Link Bolts	9 N.m	80 lb in
Hood Assist Rod Ball Stud-to-Body	9 N.m	80 lb in
Hood Assist Rod Ball Stud-to-Hood	9 N.m	80 lb in
Hood Hinge-to-Body Bolts	24 N.m	18 lb ft
Hood Hinge-to-Hood Bolts	9 N.m	80 lb in
Hood Latch Striker Bolts	9 N.m	80 lb in
Hood Latch Support-to-Body Bolts	9 N.m	80 lb in

REPAIR INSTRUCTIONS

HOOD ADJUSTMENT

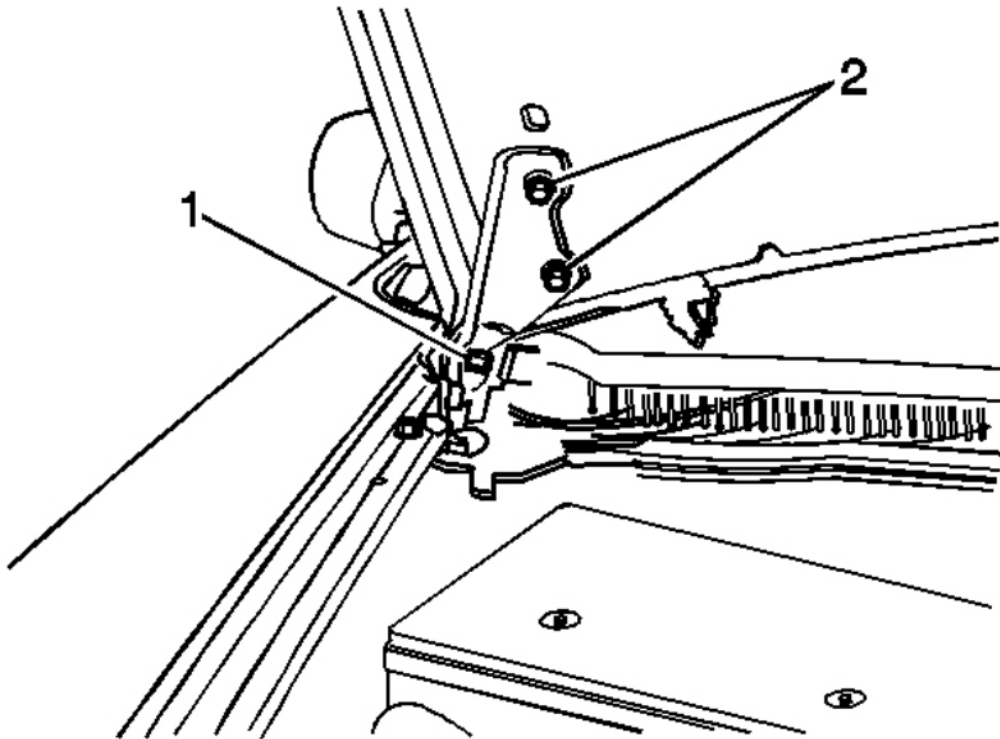


Fig. 1: View Of Hood Hinges

Courtesy of GENERAL MOTORS CORP.

1. Loosen the fasteners (2) that secure the hood to the hood hinges (1).
2. Adjust the hood in order to obtain an even gap on both sides between the hood and the fenders and so that the hood is flush with both fenders on the front edge.

NOTE: Refer to Fastener Notice in Cautions and Notices.

3. Tighten the fasteners (2) in order to secure the hood to the hood hinges (1).

Tighten: Tighten the fasteners to 9 N.m (80 lb in).

Removal Procedure

1. Open the hood.

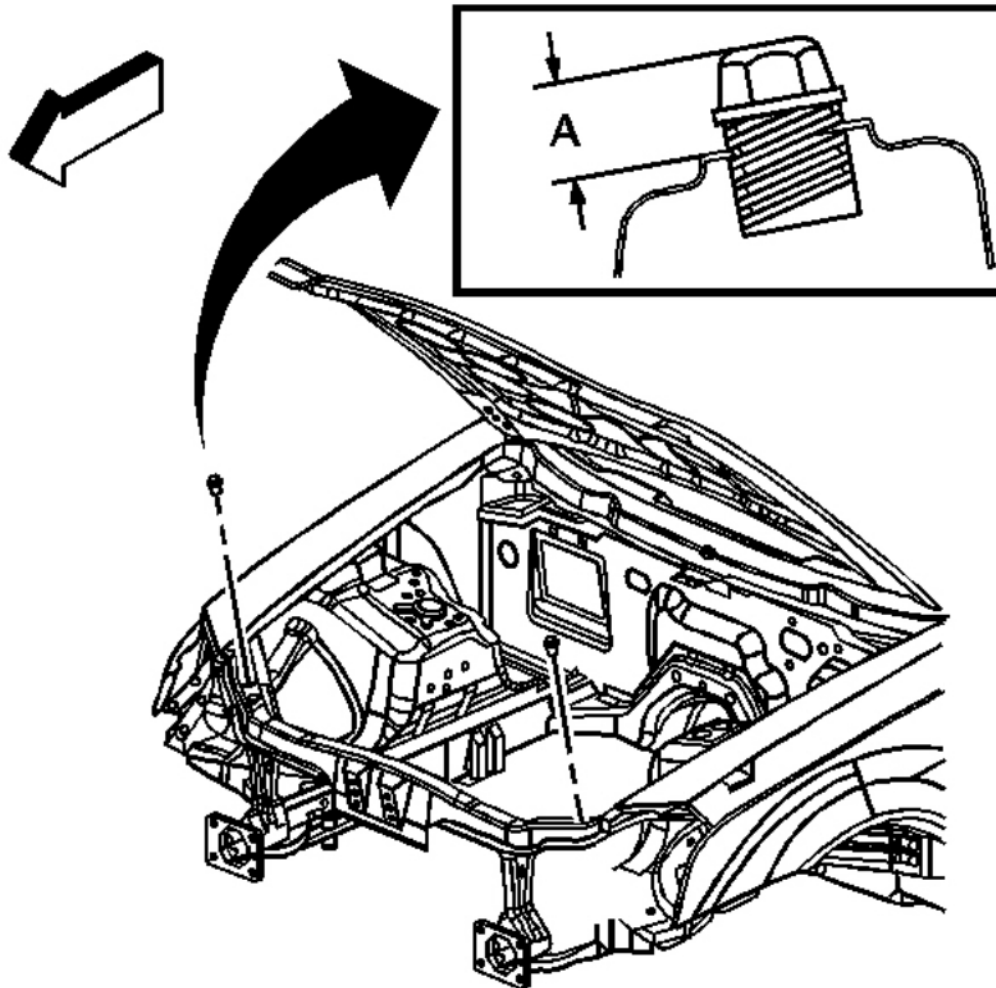


Fig. 2: View Of Front Hood Bumpers
Courtesy of GENERAL MOTORS CORP.

2. Remove the front hood bumpers from vehicle by turning counterclockwise.

Installation Procedure

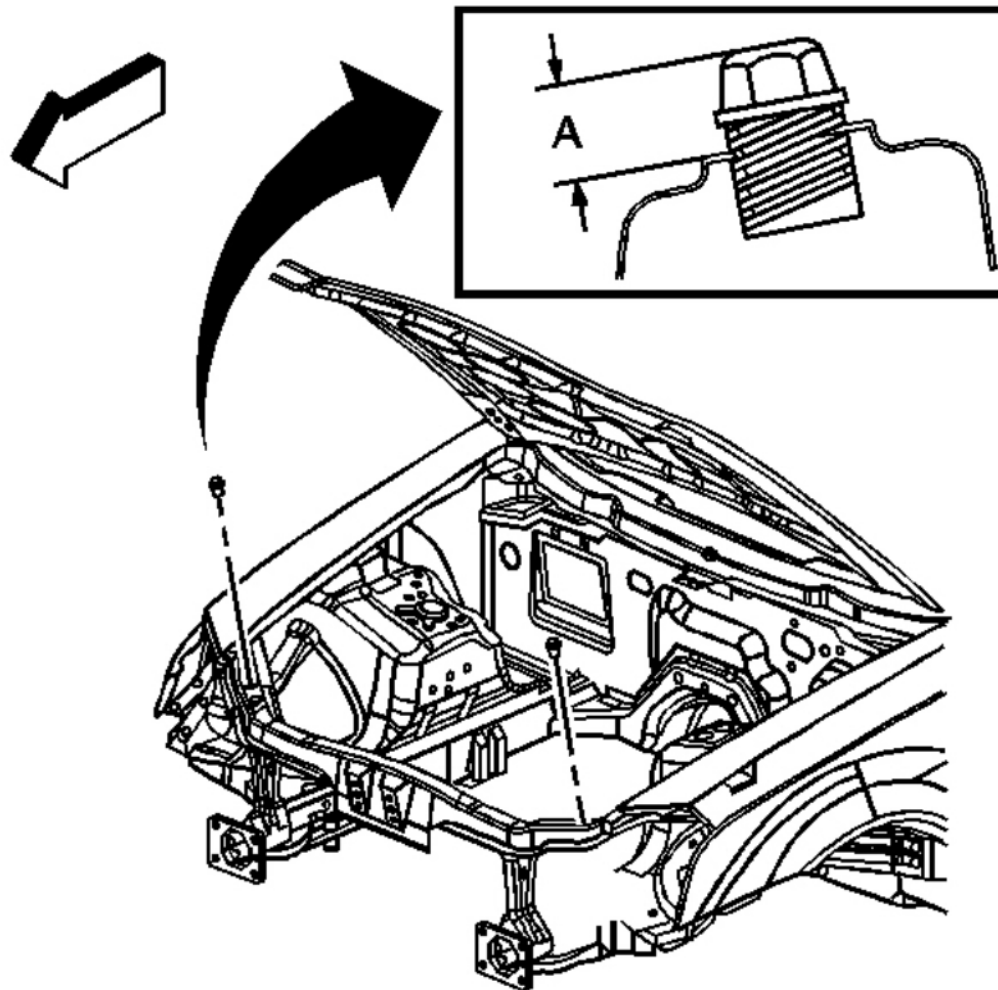


Fig. 3: View Of Front Hood Bumpers
Courtesy of GENERAL MOTORS CORP.

1. Position the hood bumpers to the opening in the upper tie bar.
2. Turn the hood bumpers clockwise until the height (A) of 16 mm (5/8 in) is achieved.

HOOD REPLACEMENT

Removal Procedure

1. Open the hood.
2. Using a grease pencil, mark the location of the hinge on the hood assembly.
3. Apply tape to corners of panel and adjacent surfaces to help prevent paint damage.
4. Disconnect the windshield washer hose connection. Refer to **Hose Replacement - Windshield Washer** in Wipers/Washer Systems.

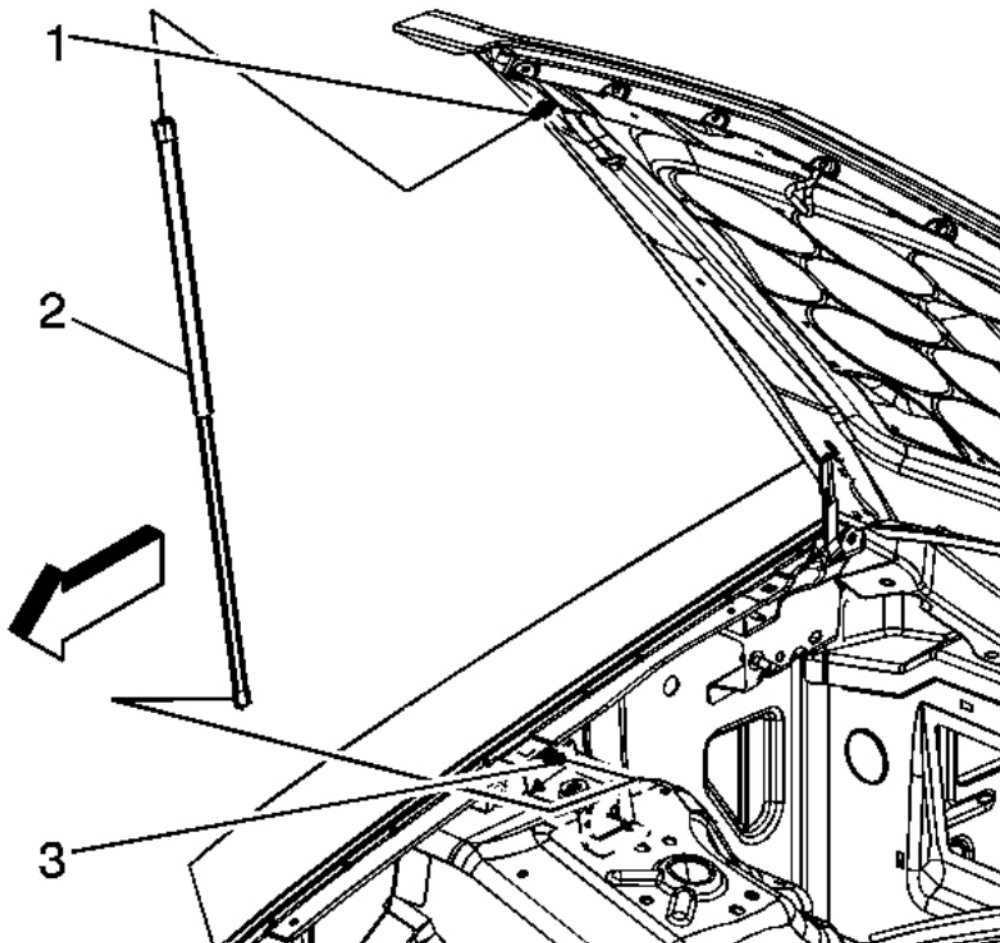


Fig. 4: View Of Hood Assist Rod
Courtesy of GENERAL MOTORS CORP.

5. Remove the hood assist rods (2). Refer to Assist Rod Replacement - Hood.

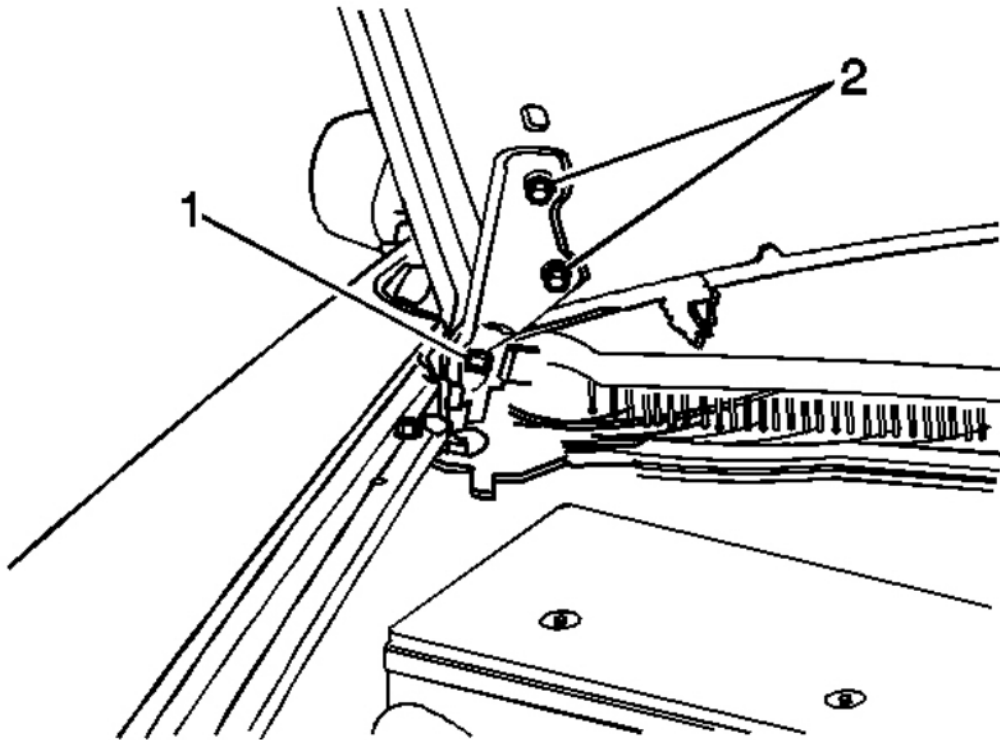


Fig. 5: View Of Hood Hinges
Courtesy of GENERAL MOTORS CORP.

6. With the aid of an assistant, remove the bolts (2) securing the hood to the hood hinge.
7. With the aid of an assistant, remove the hood from the vehicle.

Installation Procedure

1. With the aid of an assistant, position the hood to the vehicle.

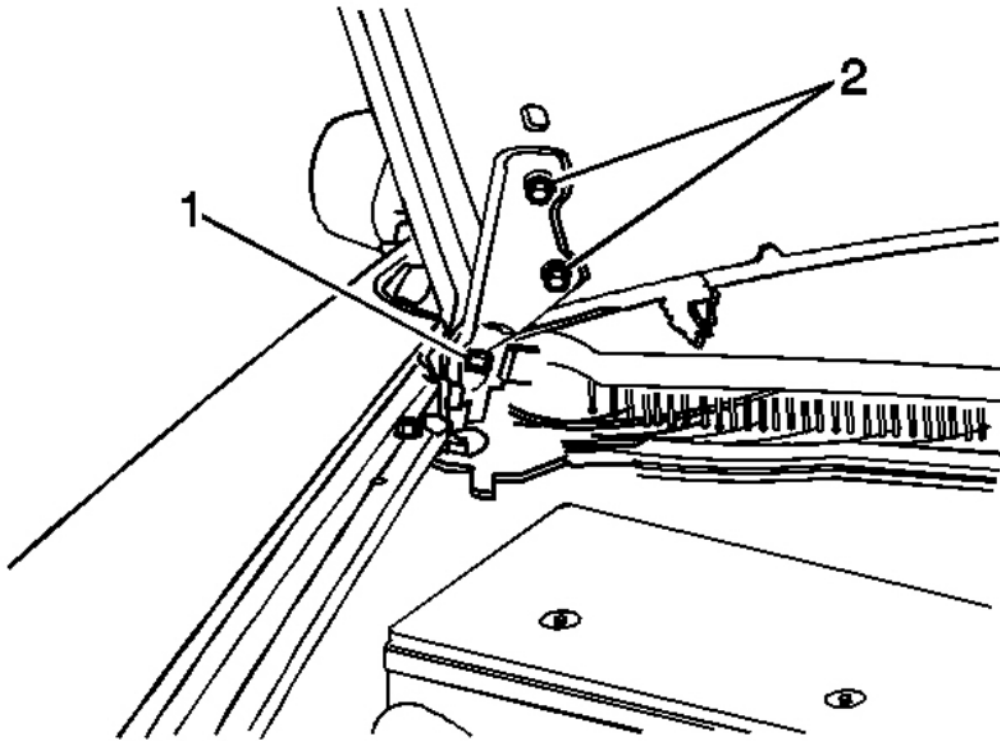


Fig. 6: View Of Hood Hinges

Courtesy of GENERAL MOTORS CORP.

2. Position the hinge to the grease pencil marks on the hood.

NOTE: Refer to Fastener Notice in Cautions and Notices.

3. With the aid of an assistant, install the bolts (2) in order to secure the hood to the hood hinge.

Tighten: Tighten the bolts (2) to 9 N.m (80 lb in).

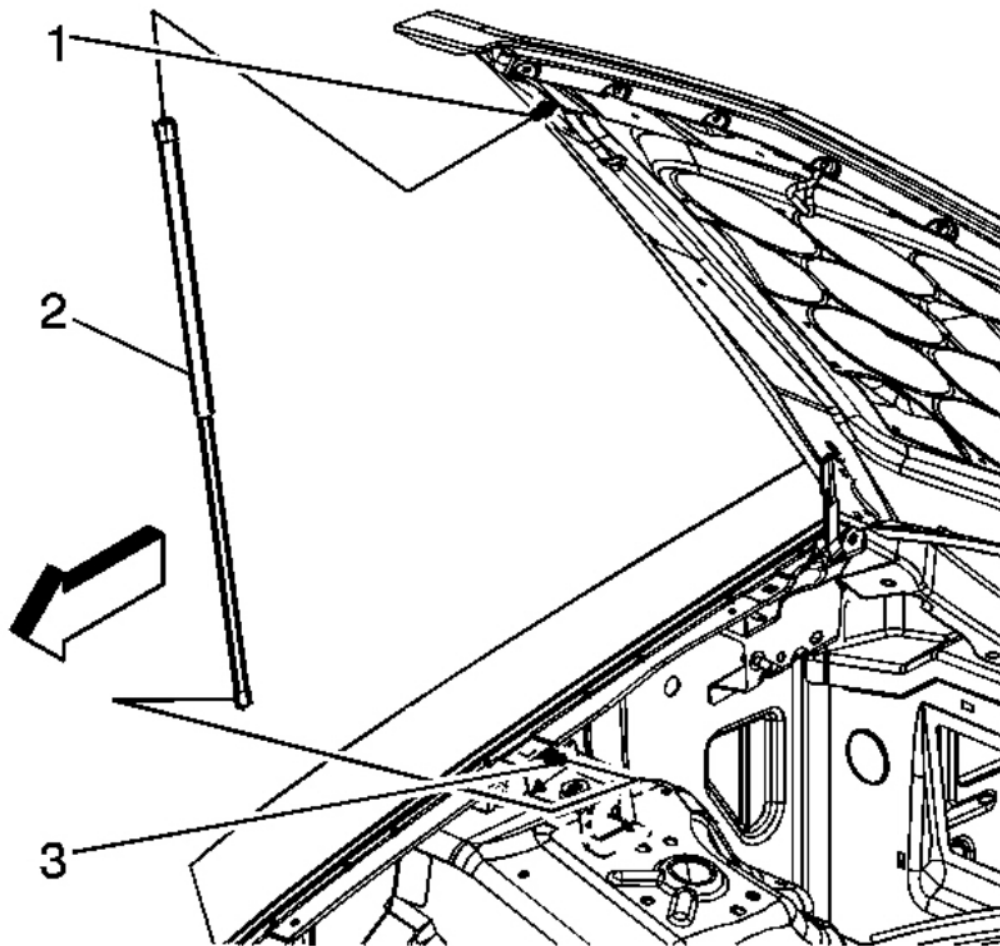


Fig. 7: View Of Hood Assist Rod
Courtesy of GENERAL MOTORS CORP.

4. Install the hood assist rods (2). Refer to **Assist Rod Replacement - Hood.**
5. Connect the windshield washer hose connection. Refer to **Hose Replacement - Windshield Washer** in Wipers/Washer Systems.
6. Slowly close the hood checking for adjustment, adjust if necessary. Refer to **Hood Adjustment.**
7. Remove the tape from the hood and the fenders.
8. Close the hood.

HOOD HINGE REPLACEMENT

Removal Procedure

1. Open and support the hood.
2. Using a wax pencil, scribe the location of the hood hinge on the hood.
3. Apply tape to corners of panel and adjacent surfaces to help prevent paint damage.

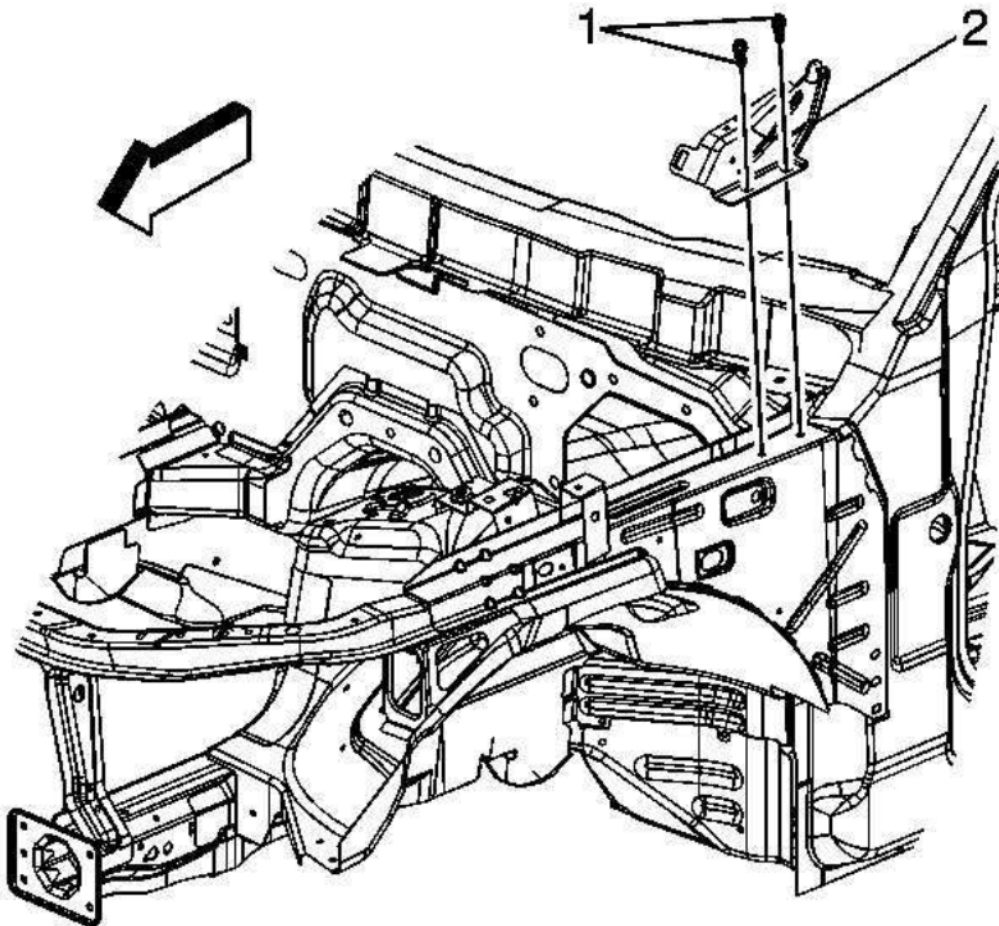


Fig. 8: Locating Hood Hinge
Courtesy of GENERAL MOTORS CORP.

4. Remove the hood. Refer to **Hood Replacement**.
5. Remove the fender. Refer to **Fender Replacement - Front**.
6. Remove the bolts (1) that secure the hinge to the motor compartment.
7. Remove the hinge from the vehicle.

Installation Procedure

1. Install the hinge to the vehicle.

NOTE: Refer to **Fastener Notice** in Cautions and Notices.

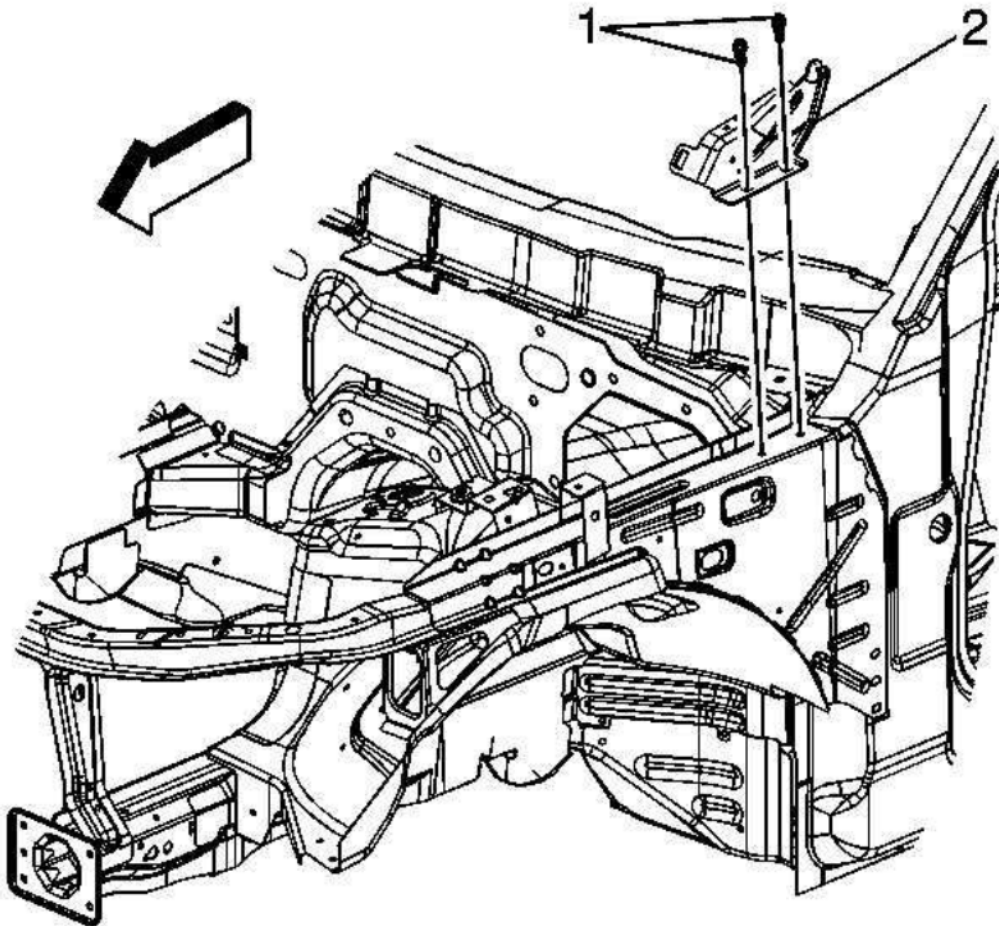


Fig. 9: Locating Hood Hinge

Courtesy of GENERAL MOTORS CORP.

2. Install the bolts (1) in order to secure the hinge to the motor compartment.

Tighten: Tighten the bolts to 24 N.m (18 lb ft).

3. Install the hood. Refer to **Hood Replacement**.
4. Install the fender. Refer to **Fender Replacement - Front**.
5. Close the hood and inspect for fit.
6. Adjust the hood as necessary. Refer to **Hood Adjustment**.
7. Remove the tape from the panel and adjacent surfaces.

HOOD LATCH ADJUSTMENT

IMPORTANT: Ensure that you have the proper alignment of the hood to the body before you tighten the hood latch mounting fasteners under the following conditions:

- After removing the hood latch assembly
- After loosening the mounting bolts
- After changing the hood adjustment

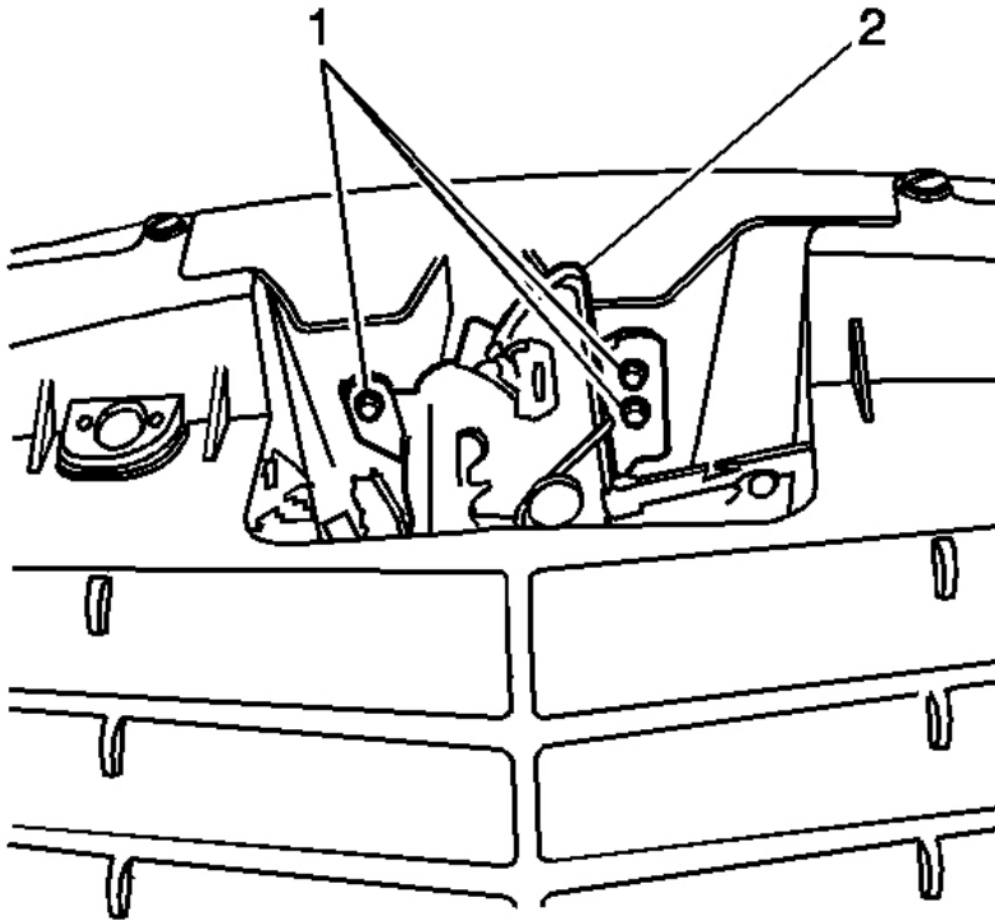


Fig. 10: View Of Hood Latch

Courtesy of GENERAL MOTORS CORP.

1. With the hood latch attaching fasteners (1) loose, slowly lower the hood onto the latch (2) in order to achieve the proper cross vehicle adjustment of the hood latch.
2. Raise the hood.

NOTE: Refer to Fastener Notice in Cautions and Notices.

3. Tighten the fasteners.

Tighten: Tighten the fasteners (1) to 9 N.m (80 lb in).

HOOD LATCH REPLACEMENT

Removal Procedure

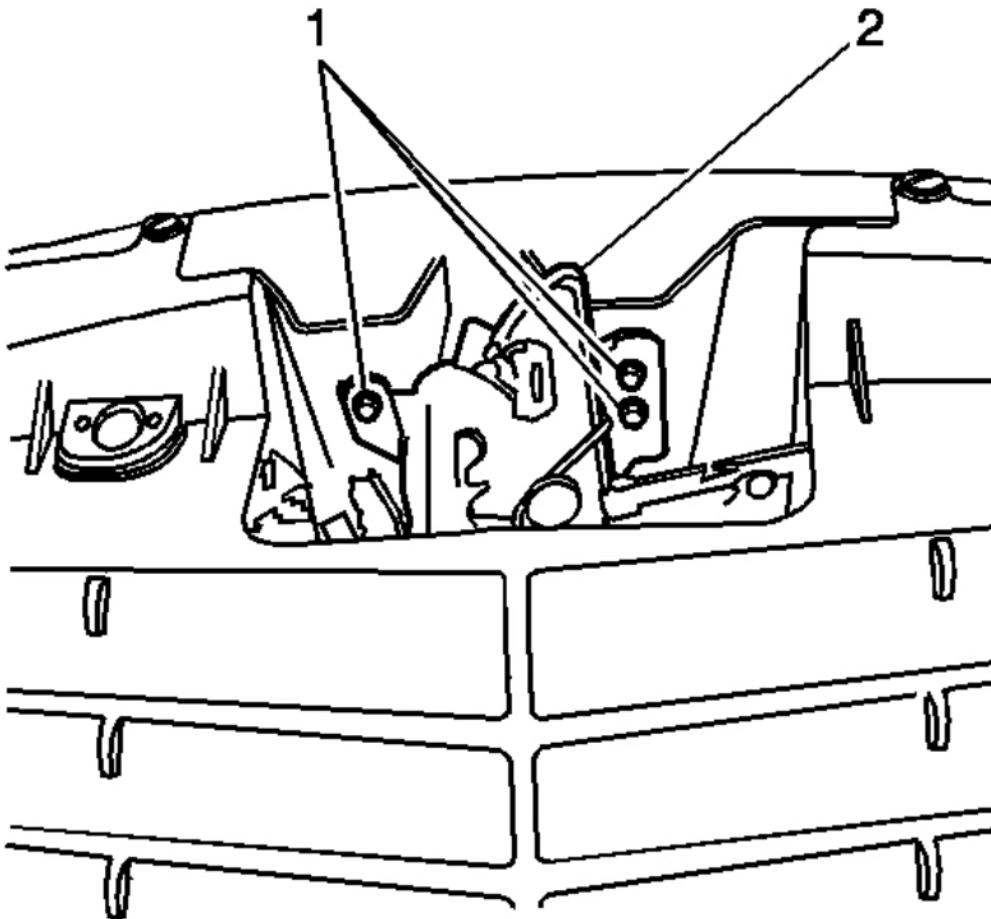


Fig. 11: View Of Hood Latch

Courtesy of GENERAL MOTORS CORP.

1. Remove the bolts (1) that secure the hood latch to the vehicle.

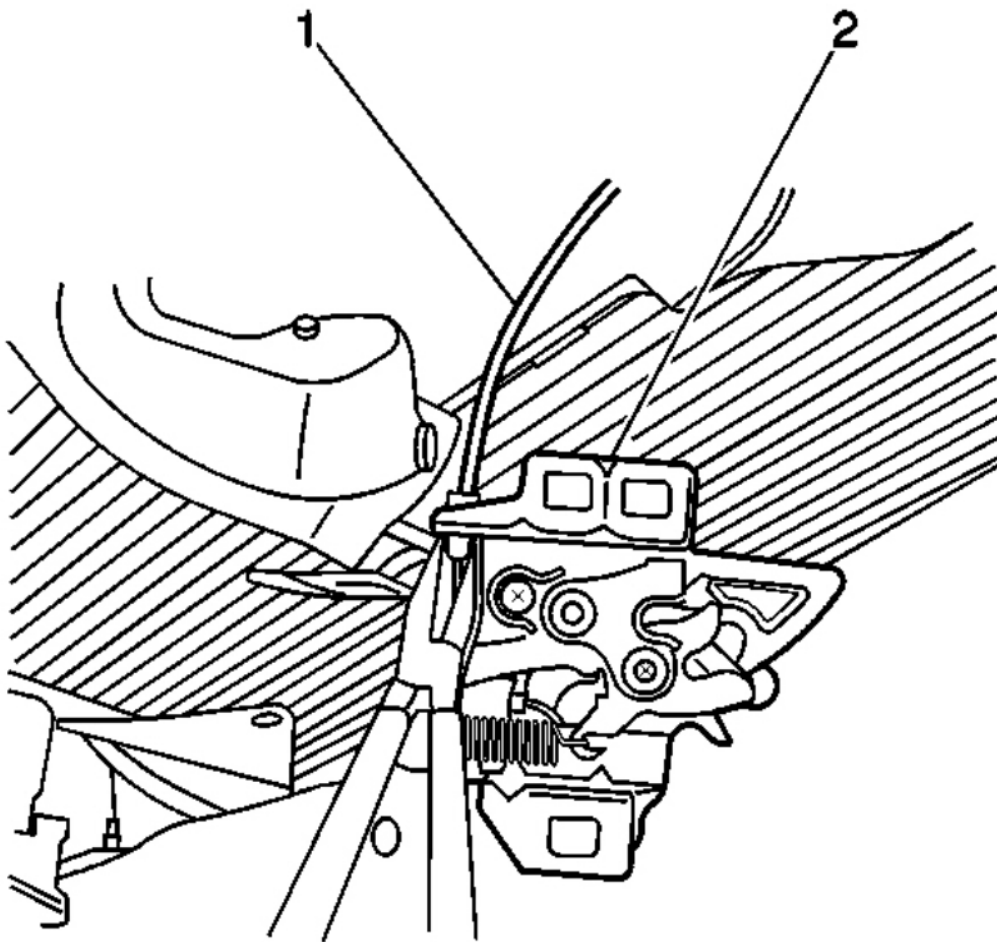


Fig. 12: View Of Hood Latch & Hood Release Cable
Courtesy of GENERAL MOTORS CORP.

2. Disconnect the hood release cable (1) from the hood latch (2).
3. Remove the hood latch (2) from the vehicle.

Installation Procedure

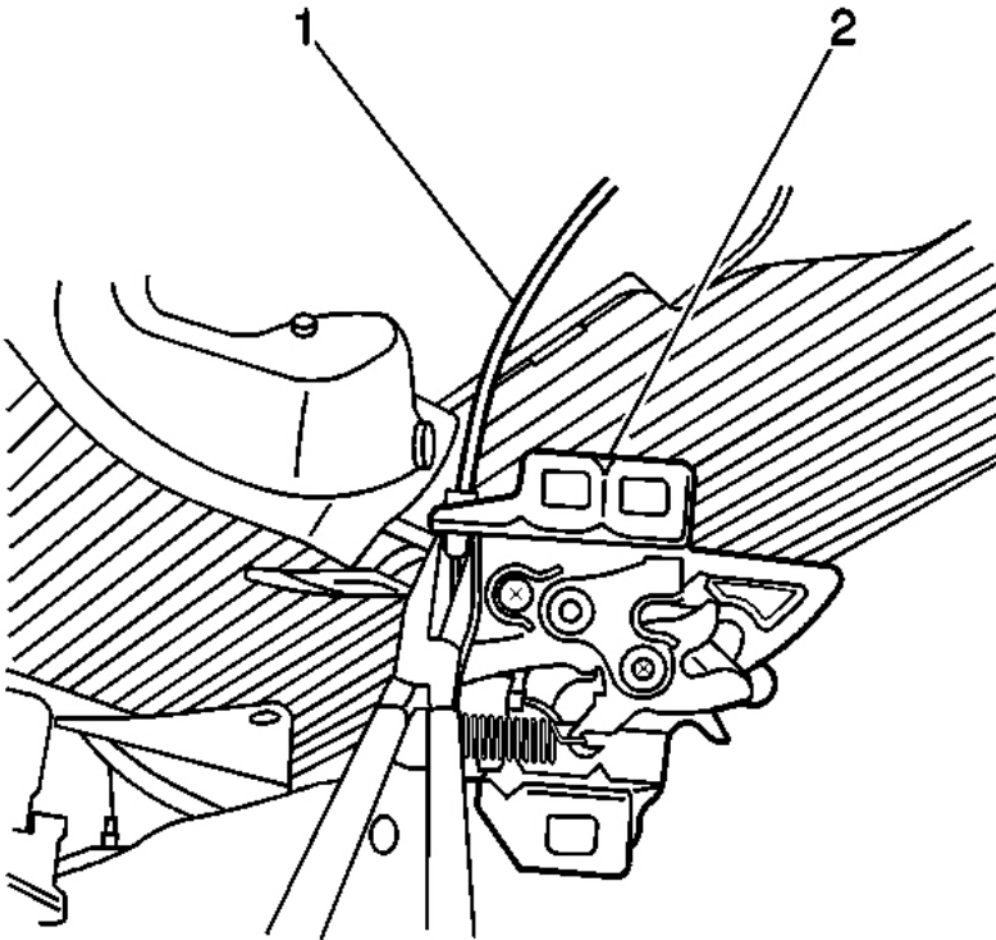


Fig. 13: View Of Hood Latch & Hood Release Cable
Courtesy of GENERAL MOTORS CORP.

1. Connect the hood release cable (1) to the hood latch (2).

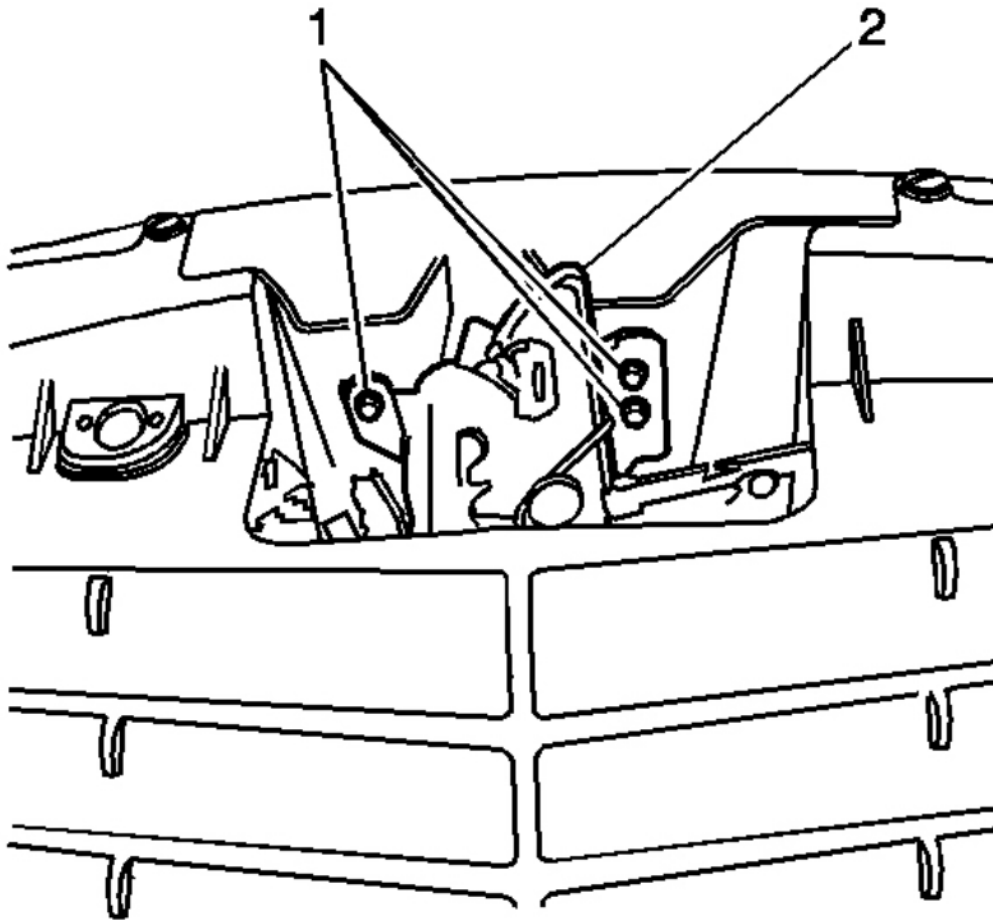


Fig. 14: View Of Hood Latch

Courtesy of GENERAL MOTORS CORP.

2. Position the hood latch (2) to the vehicle.

NOTE: Refer to Fastener Notice in Cautions and Notices.

3. Install the bolts (1) to secure the hood latch to the vehicle.

Tighten: Tighten the bolts to 9 N.m (80 lb in).

4. Adjust the hood primary latch (2). Refer to **Hood Latch Adjustment**.

HOOD LATCH RELEASE CABLE REPLACEMENT

Removal Procedure

1. Open the hood.
2. Remove the hood latch. Refer to **Hood Latch Replacement**.
3. Disconnect the hood release cable from the hood latch.
4. Tie a piece of string around the hood release cable. This will ease the installation of the hood release cable through the engine compartment.

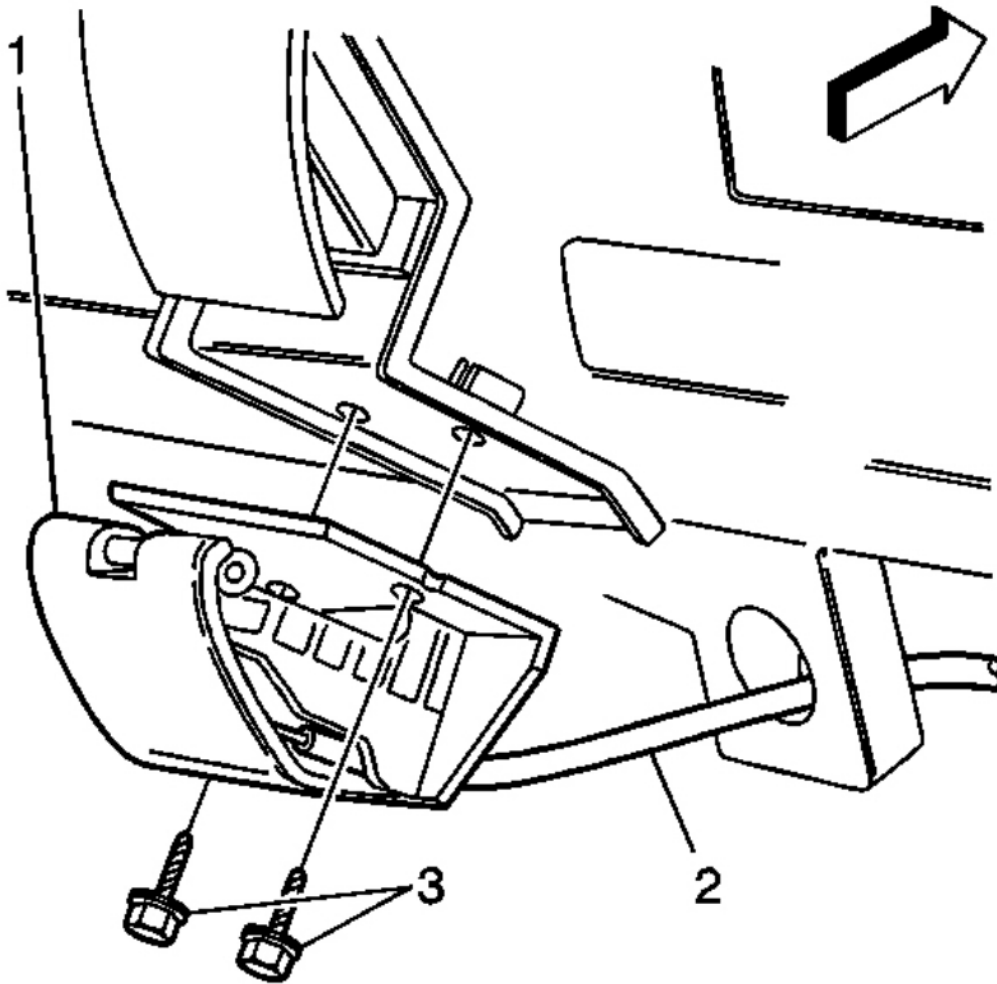


Fig. 15: View Of Hood Release Handle
Courtesy of GENERAL MOTORS CORP.

5. Remove the fasteners (3) securing the hood release handle (1) to the vehicle.

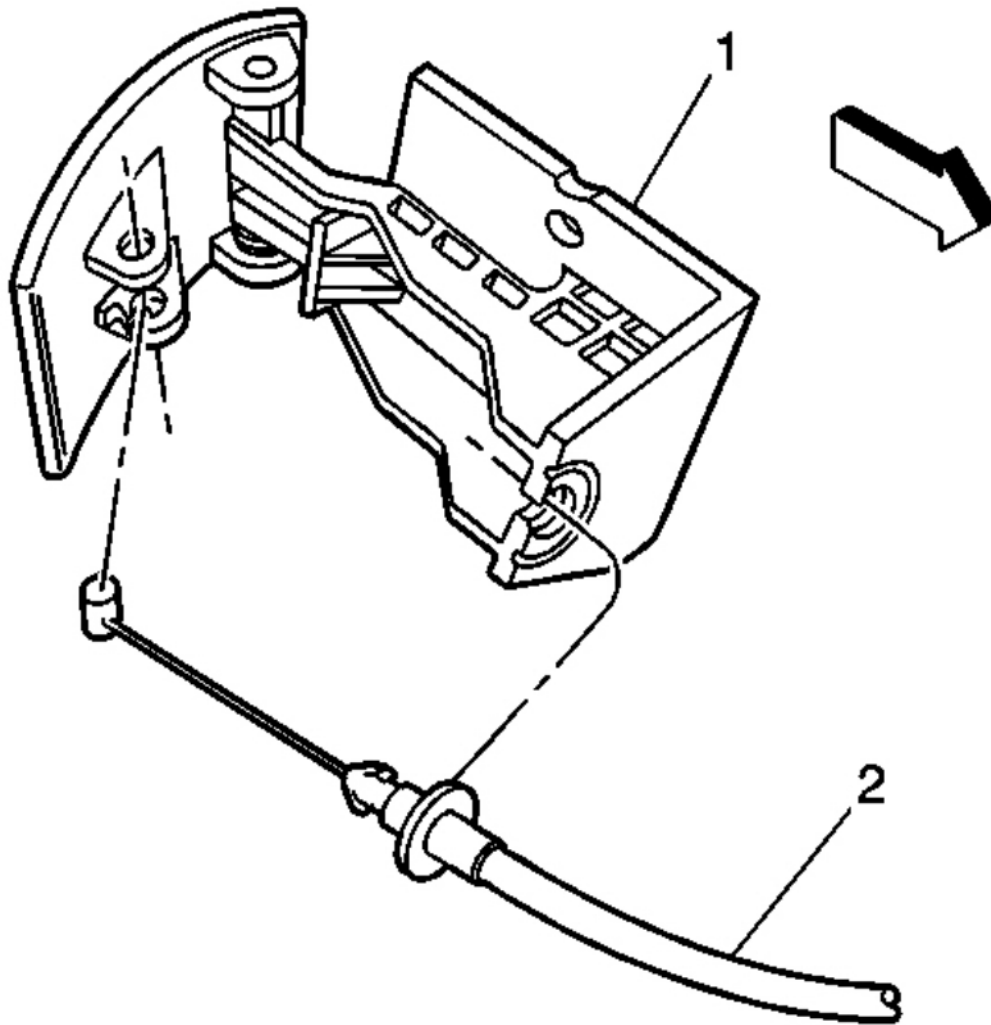


Fig. 16: View Of Hood Release Cable
Courtesy of GENERAL MOTORS CORP.

6. Disconnect the hood release cable (2) from the hood release handle (1).

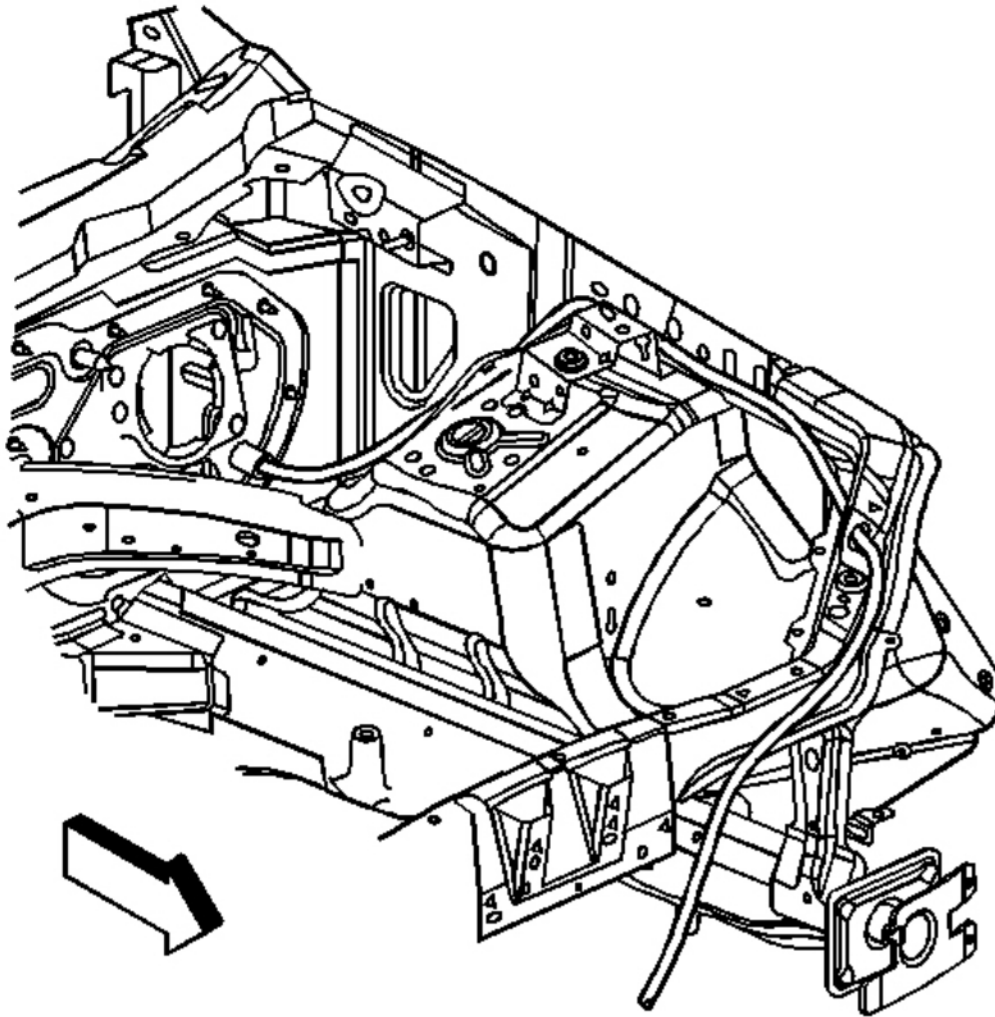


Fig. 17: Hood Release Cable Routing
Courtesy of GENERAL MOTORS CORP.

7. Tie a piece of string around the hood release cable. This will ease the installation of the hood release cable through the engine compartment.
8. Remove the hood release cable grommet from the wheel opening.
9. Remove the hood release cable from the vehicle.

1. Transfer the string to either end of the new hood release cable.
2. Route the string and the hood release cable into the passenger compartment.
3. Remove the string from the hood release cable.
4. Seat the hood release cable grommet into the wheel opening.

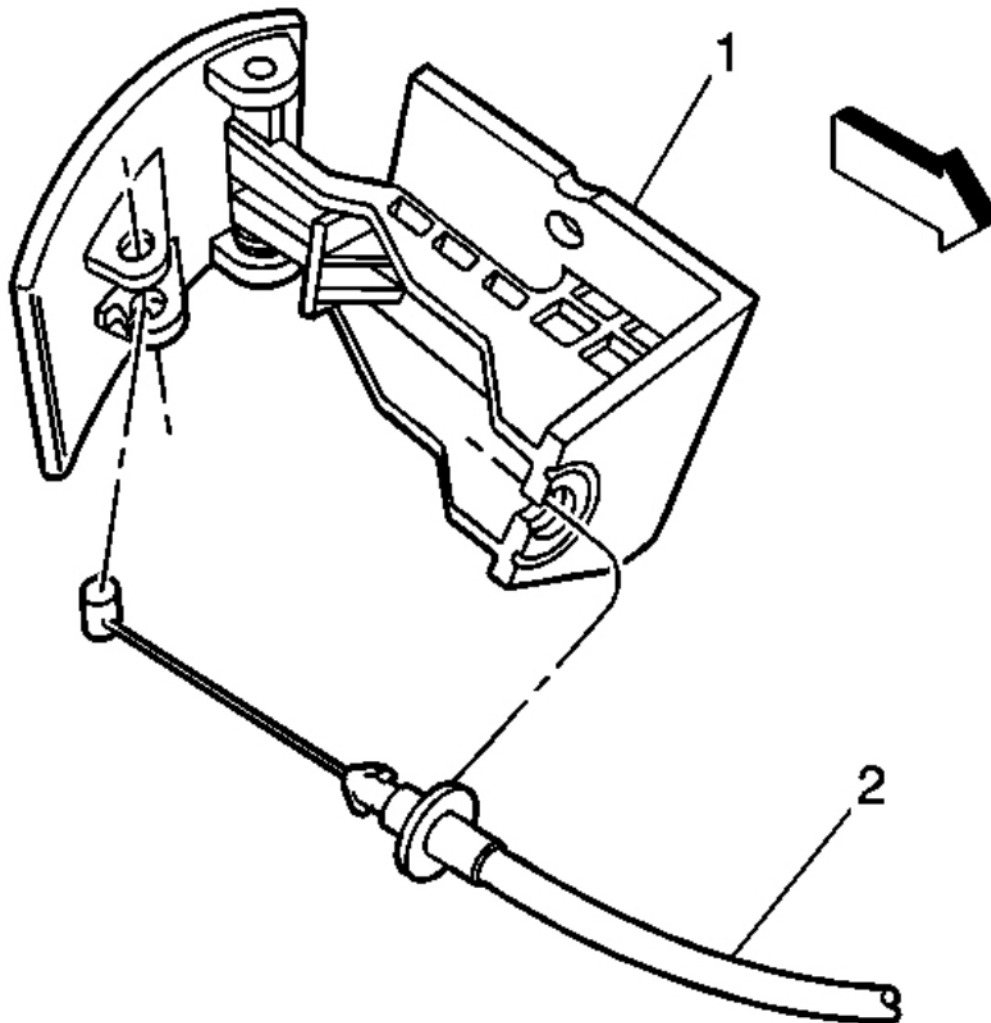


Fig. 18: View Of Hood Release Cable
Courtesy of GENERAL MOTORS CORP.

5. Connect the hood release cable (2) to the hood release handle (1).

NOTE: Refer to Fastener Notice in Cautions and Notices.

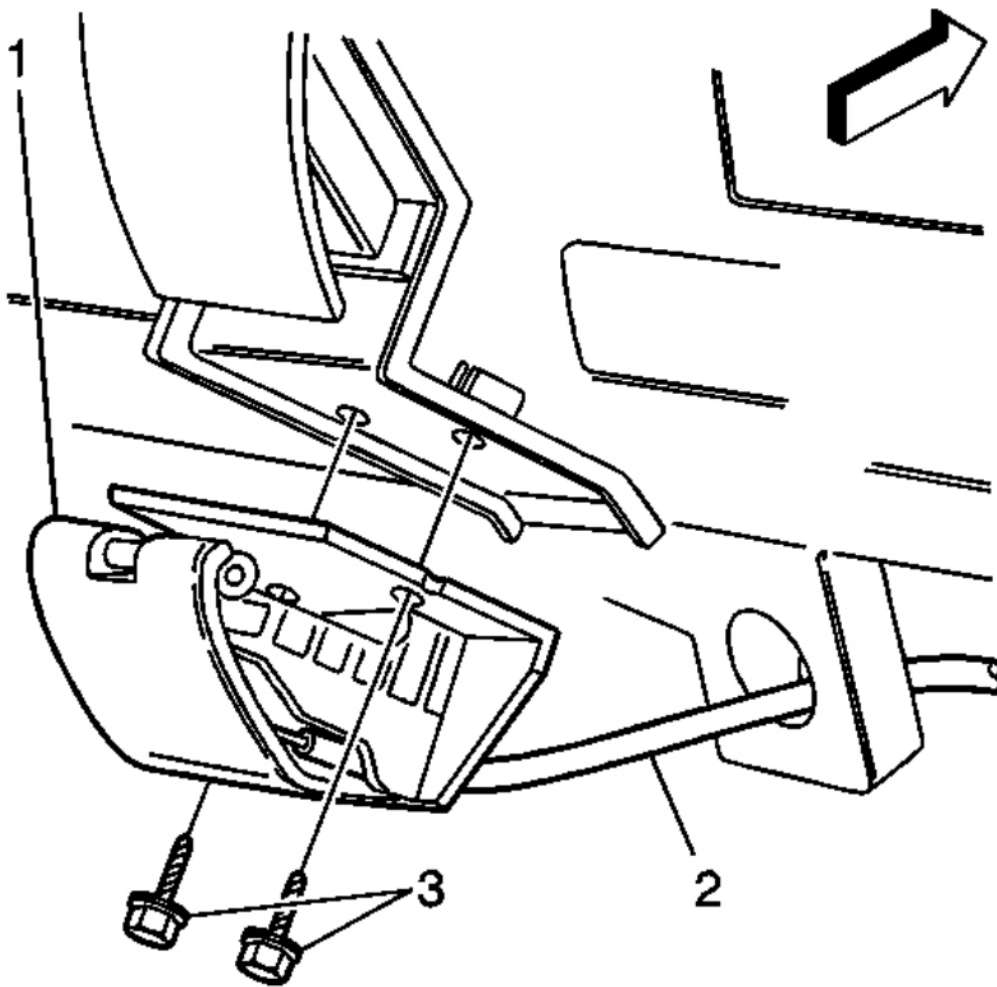


Fig. 19: View Of Hood Release Handle
Courtesy of GENERAL MOTORS CORP.

6. Install the fasteners (3) in order to secure the hood release handle (1) to the vehicle.

Tighten: Tighten the fasteners to 2 N.m (18 lb in).

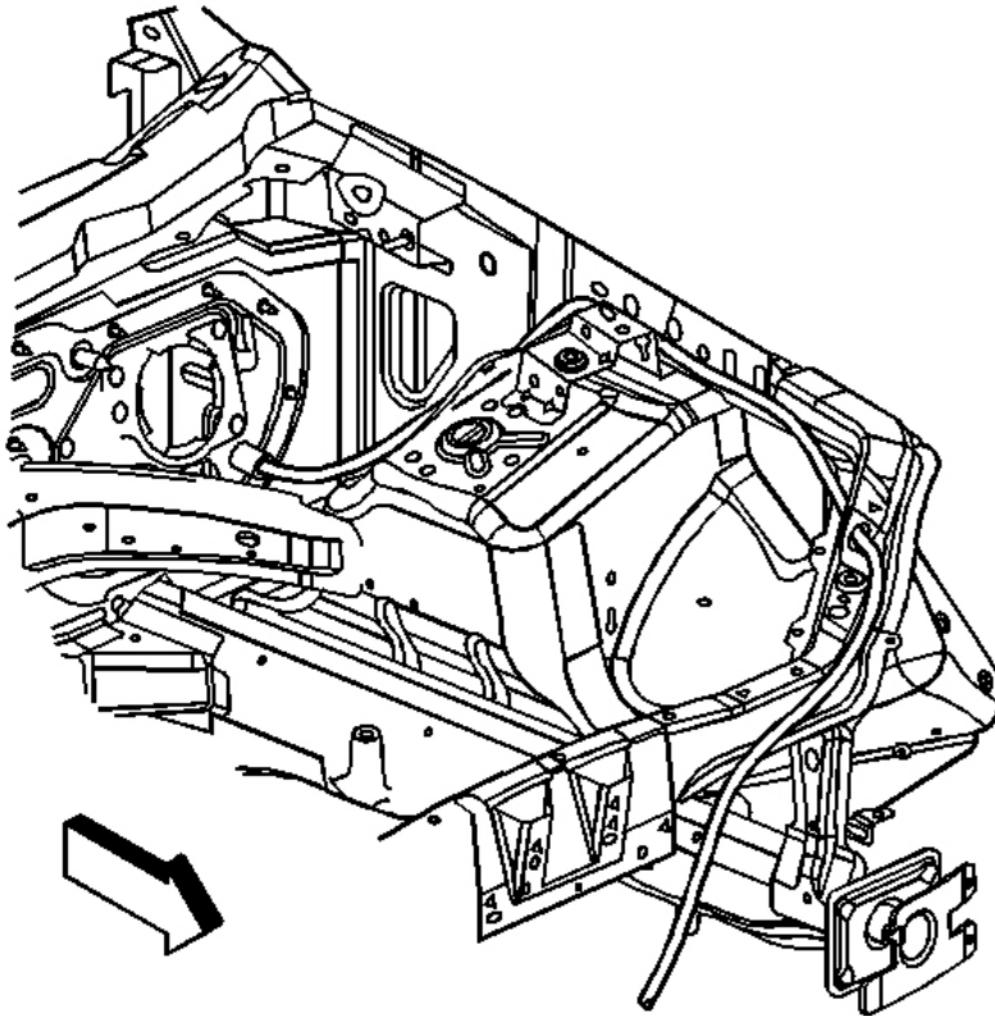


Fig. 20: Hood Release Cable Routing
Courtesy of GENERAL MOTORS CORP.

7. Pull the string and the hood release cable through the engine compartment.
8. Remove the string from the hood release cable.
9. Connect the hood release cable to the hood latch.

10. Install the hood latch. Refer to **Hood Latch Replacement**.
11. Close the hood.

HOOD INSULATOR REPLACEMENT

Removal Procedure

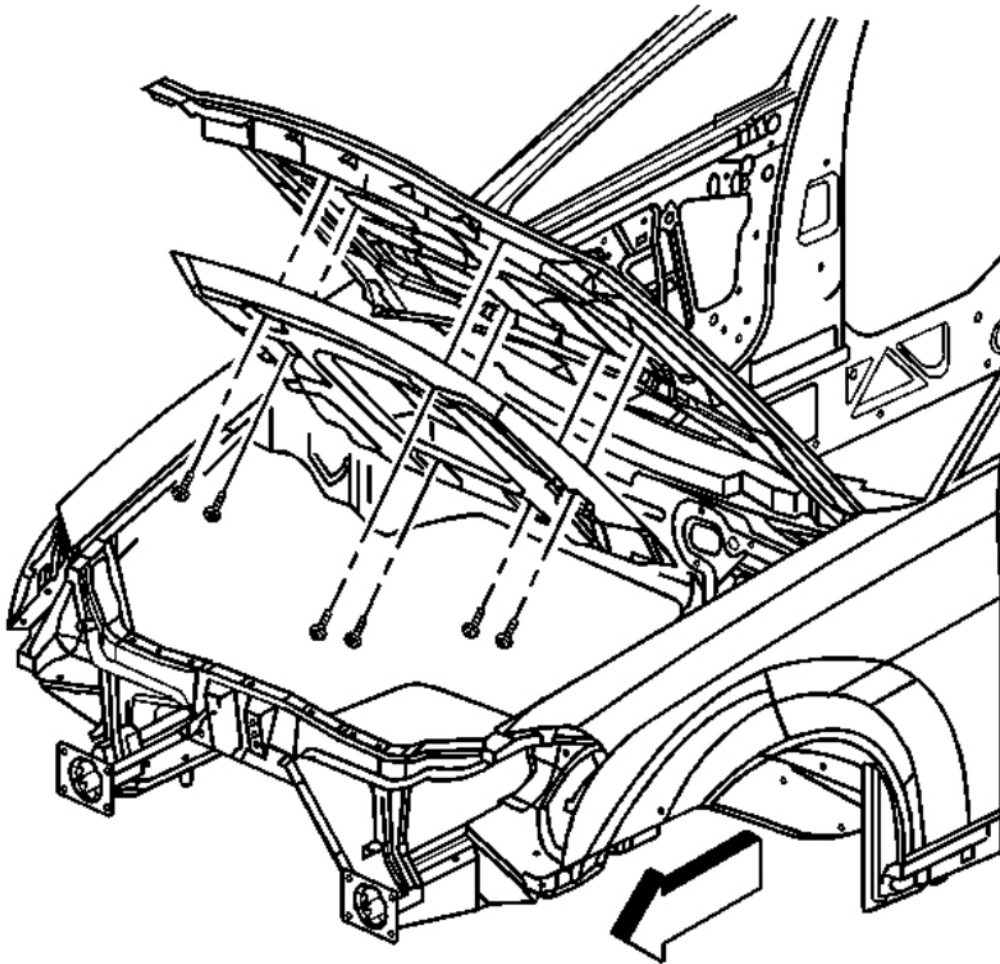


Fig. 21: View Of Hood Insulator And Push-In Retainers
Courtesy of GENERAL MOTORS CORP.

1. Open the hood.

2. Remove the push-in retainers retaining the hood insulator to the hood.
3. Remove the hood insulator from the hood.

Installation Procedure

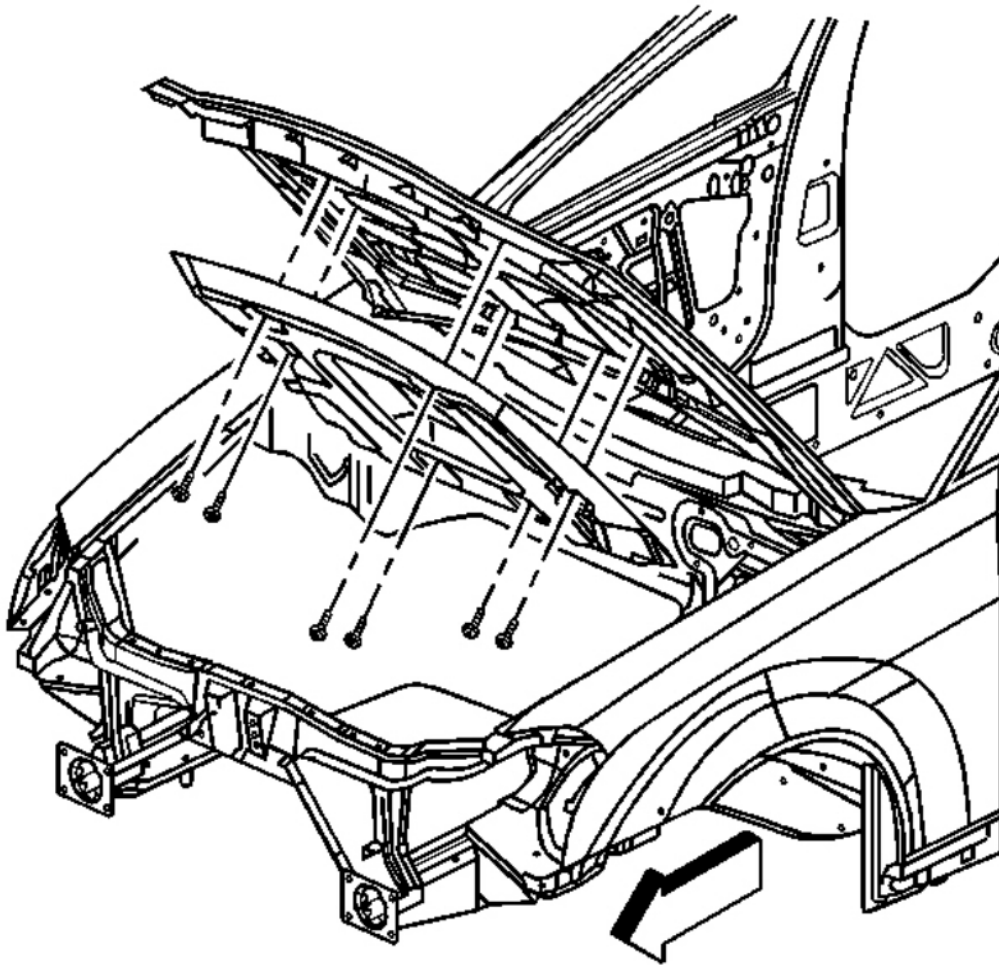


Fig. 22: View Of Hood Insulator And Push-In Retainers
Courtesy of GENERAL MOTORS CORP.

1. Position the hood insulator to the hood.
2. Install the push-in retainers in order to secure the hood insulator to the hood.

3. Close the hood.

ASSIST ROD REPLACEMENT - HOOD

Removal Procedure

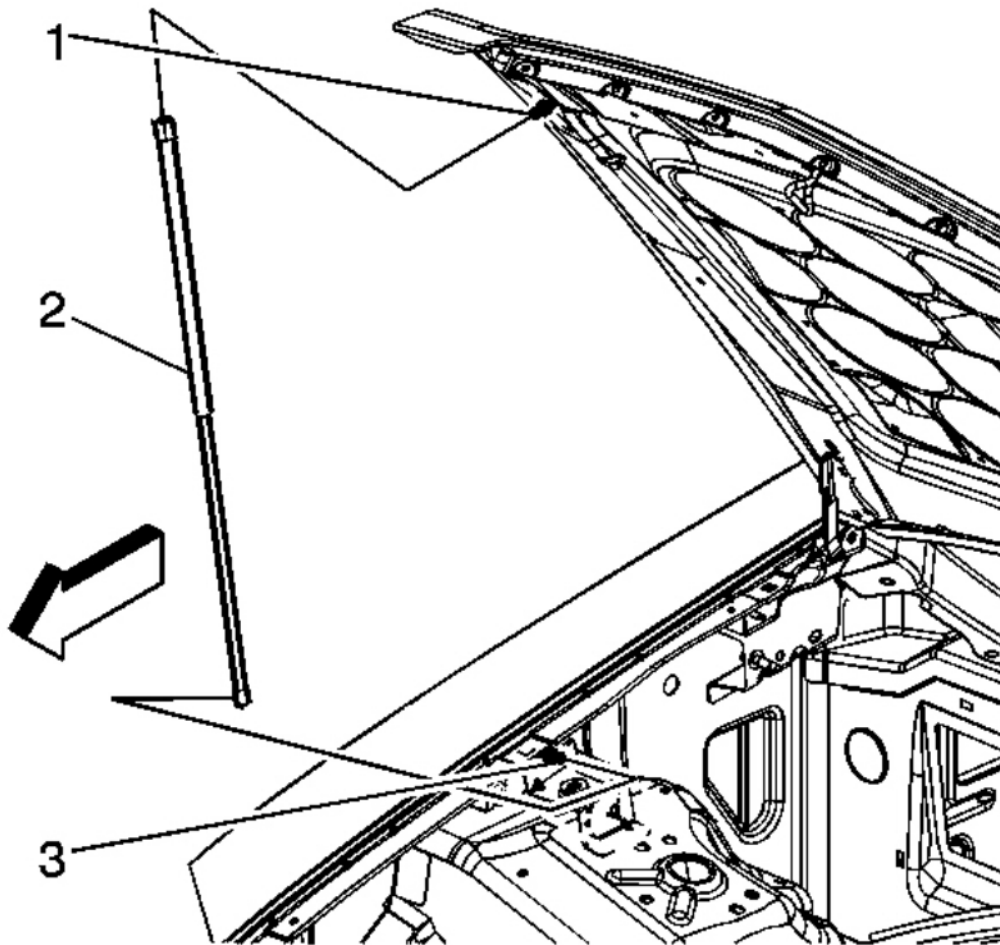


Fig. 23: View Of Hood Assist Rod
Courtesy of GENERAL MOTORS CORP.

CAUTION: When a hood hold open device is being removed or installed, provide alternate support to avoid

the possibility of damage to the vehicle or personal injury.

NOTE: Apply pressure only at the end of the liftgate/hood assist rod that you are removing or attaching. Do NOT apply pressure to the middle of the rod because damage or bending will result.

1. Open and support the hood.
2. Using a small flat bladed tool, release the clip retaining the hood assist rod to the lower assist rod ball stud (3).
3. Using a small flat bladed tool, release the clip retaining the hood assist rod to the upper assist rod ball stud (1).
4. Remove the hood assist rod (2) from the vehicle.

Installation Procedure

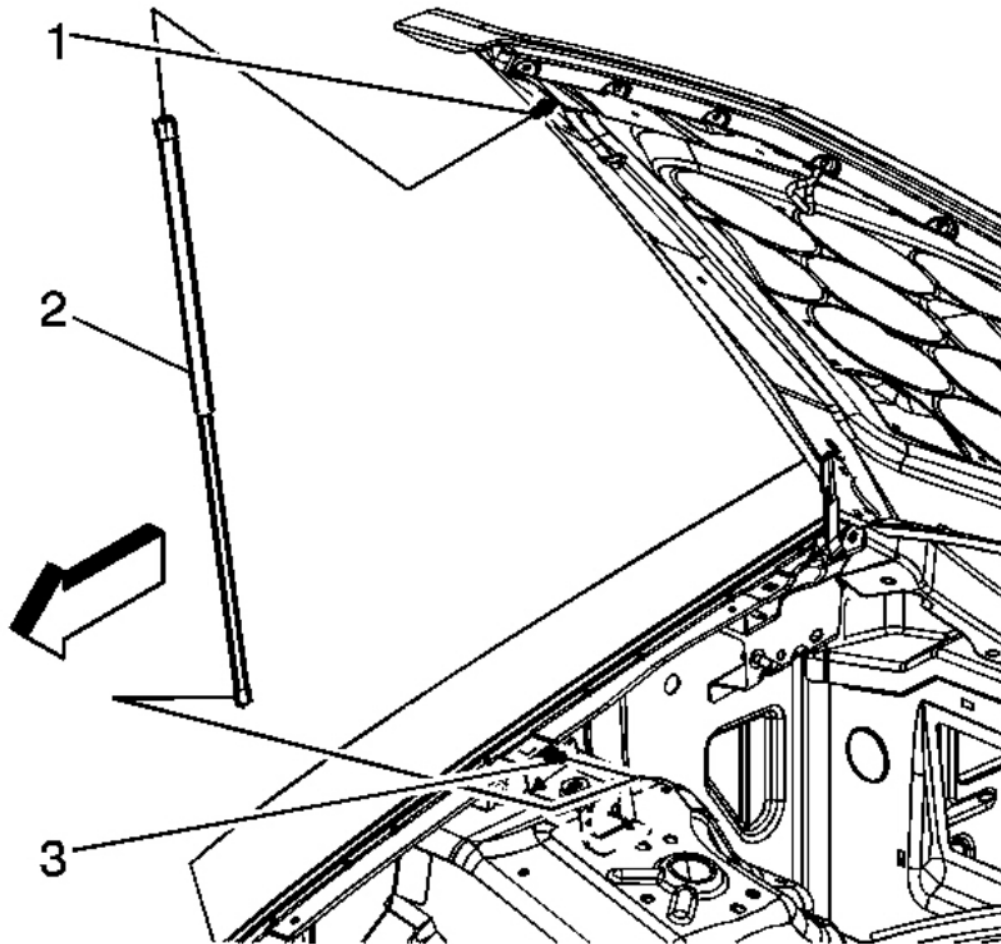


Fig. 24: View Of Hood Assist Rod
Courtesy of GENERAL MOTORS CORP.

1. Press the hood assist rod (2) onto the upper hood assist rod ball stud (1).
2. Press the hood assist rod (2) onto the lower hood assist rod ball stud (3).
3. Ensure that both clips are fully seated on the hood assist rod (2).
4. Close the hood.

ASSIST ROD BALL STUD REPLACEMENT - HOOD

Removal Procedure

1. Open and support the hood.

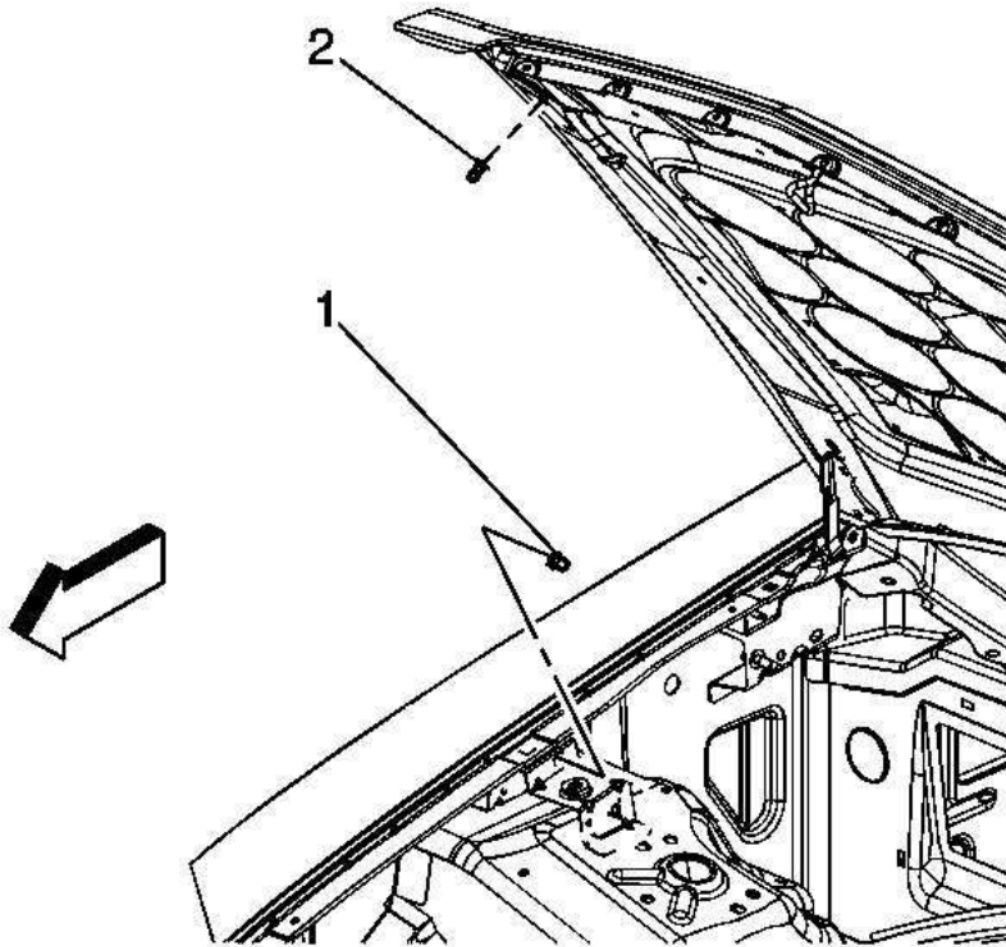


Fig. 25: View Of Hood Assist Rod Ball Studs
Courtesy of GENERAL MOTORS CORP.

2. Remove the assist rod. Refer to **Assist Rod Replacement - Hood.**
3. Remove the lower hood assist rod ball stud (1) from the fender.
4. Remove the upper hood assist rod ball stud (2) from the hood.

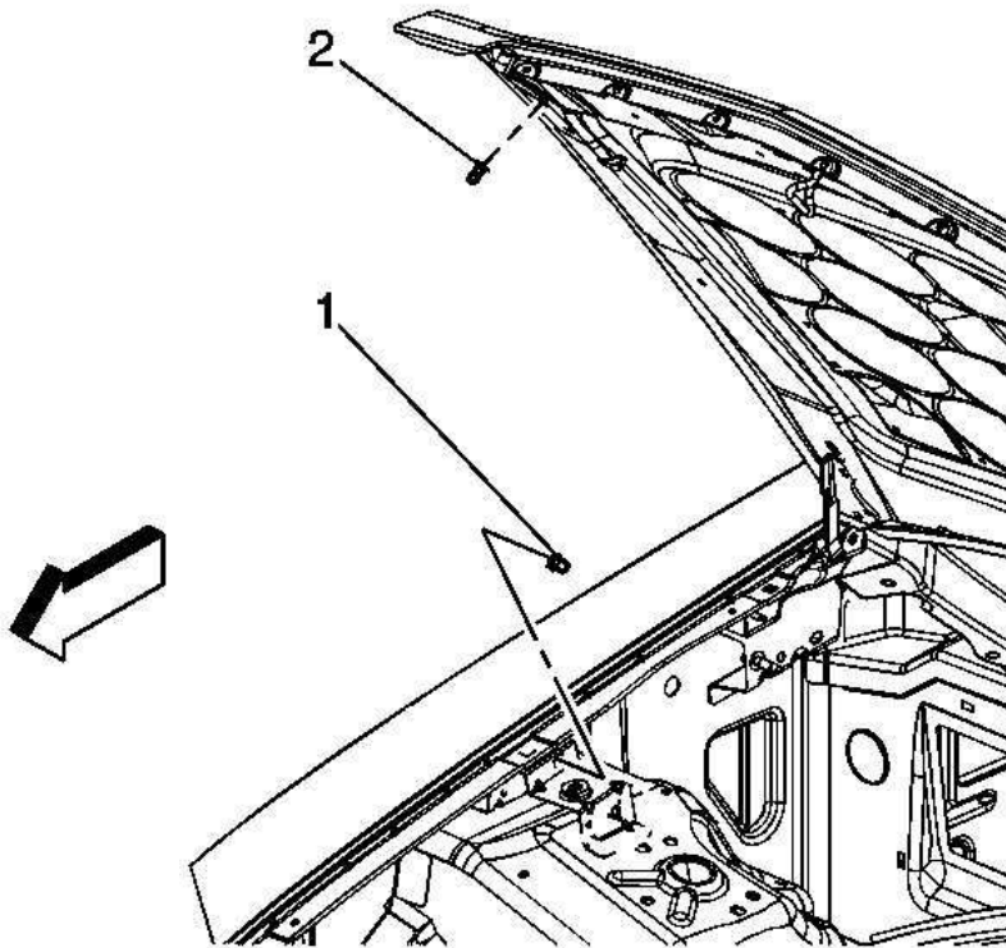


Fig. 26: View Of Hood Assist Rod Ball Studs
Courtesy of GENERAL MOTORS CORP.

NOTE: Refer to Fastener Notice in Cautions and Notices.

1. Install the upper assist rod ball stud (2) to the hood.

Tighten: Tighten the upper hood assist rod ball stud (2) to 9 N.m (80 lb in).

2. Install lower ball stud (1) to the fender.

Tighten: Tighten the lower hood assist rod ball stud (1) to 9 N.m (80 lb in).

3. Install assist rod. Refer to **Assist Rod Replacement - Hood.**

AIR DEFLECTOR REPLACEMENT - FRONT

Removal Procedure

1. Raise and support the vehicle. Refer to **Lifting and Jacking the Vehicle** in General Information.

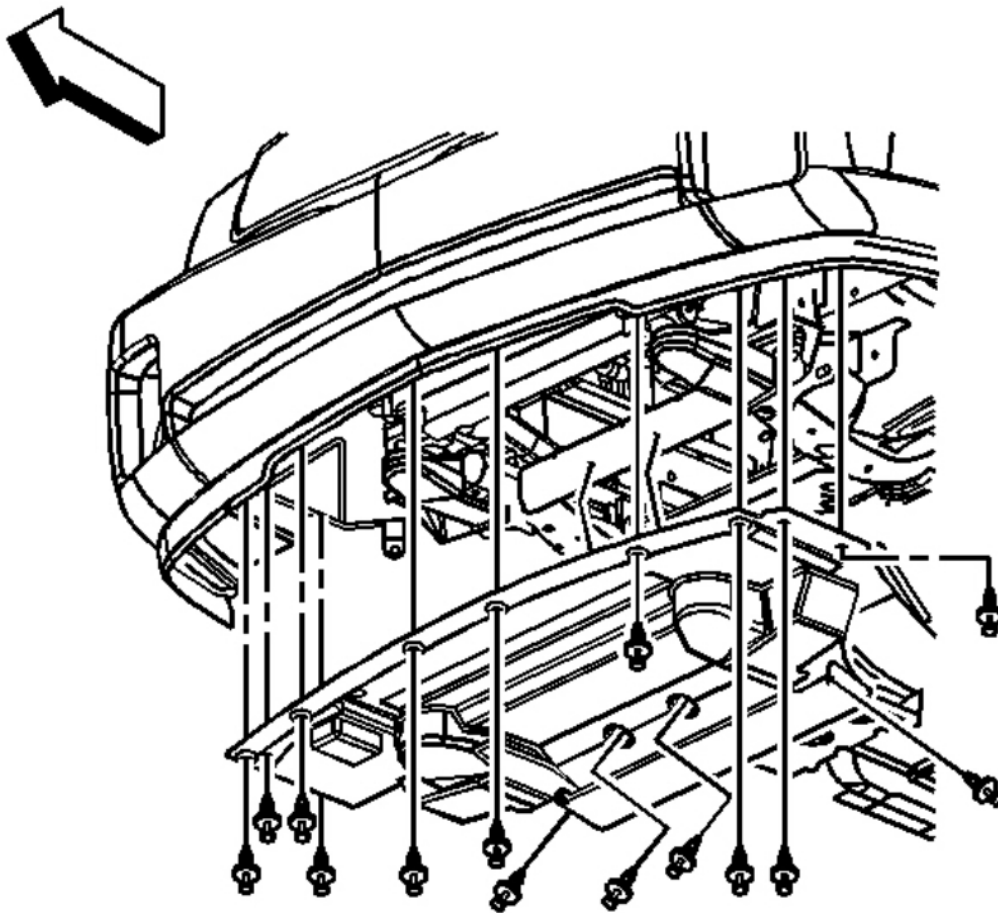


Fig. 27: View Of Front Air Deflector And Push Pin retainers

Courtesy of GENERAL MOTORS CORP.

2. Remove the push-in retainers securing the air deflector to the vehicle.
3. Remove the front air deflector.

Installation Procedure

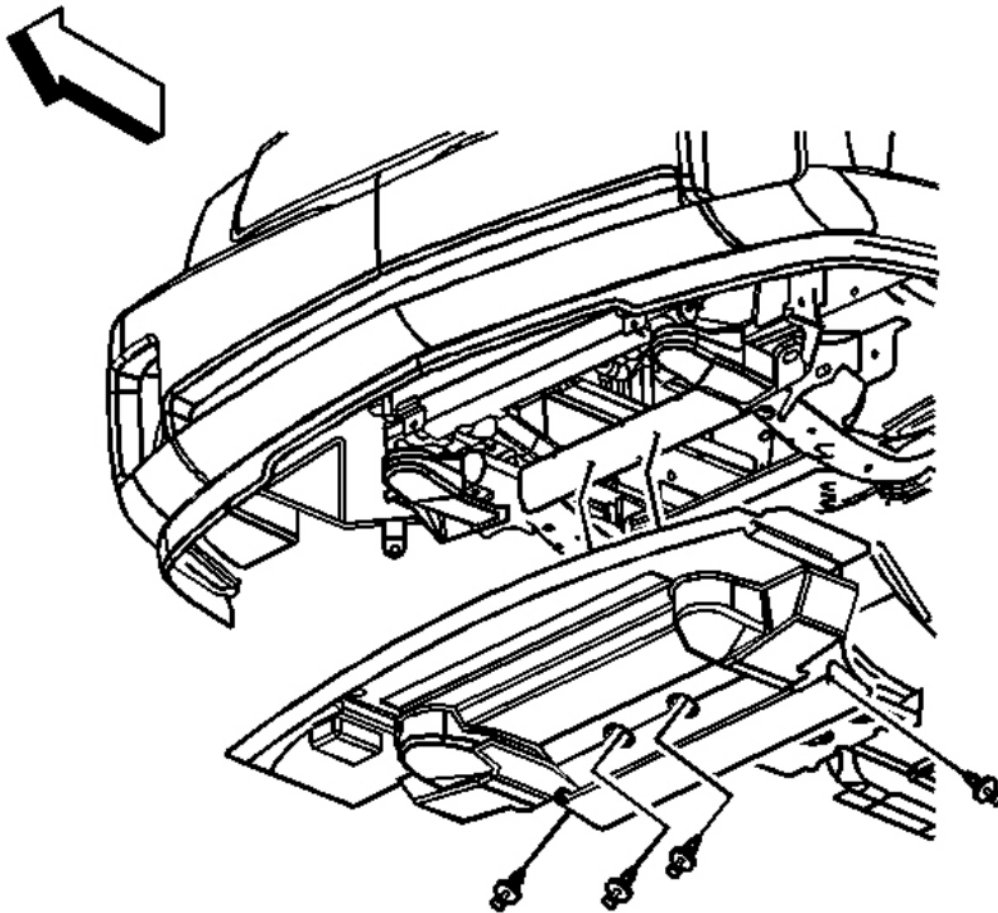


Fig. 28: Installing Front Air Deflector
Courtesy of GENERAL MOTORS CORP.

1. Position the front air deflector to the vehicle.

2. Install the push-in retainers to secure the air deflector to the engine cradle.

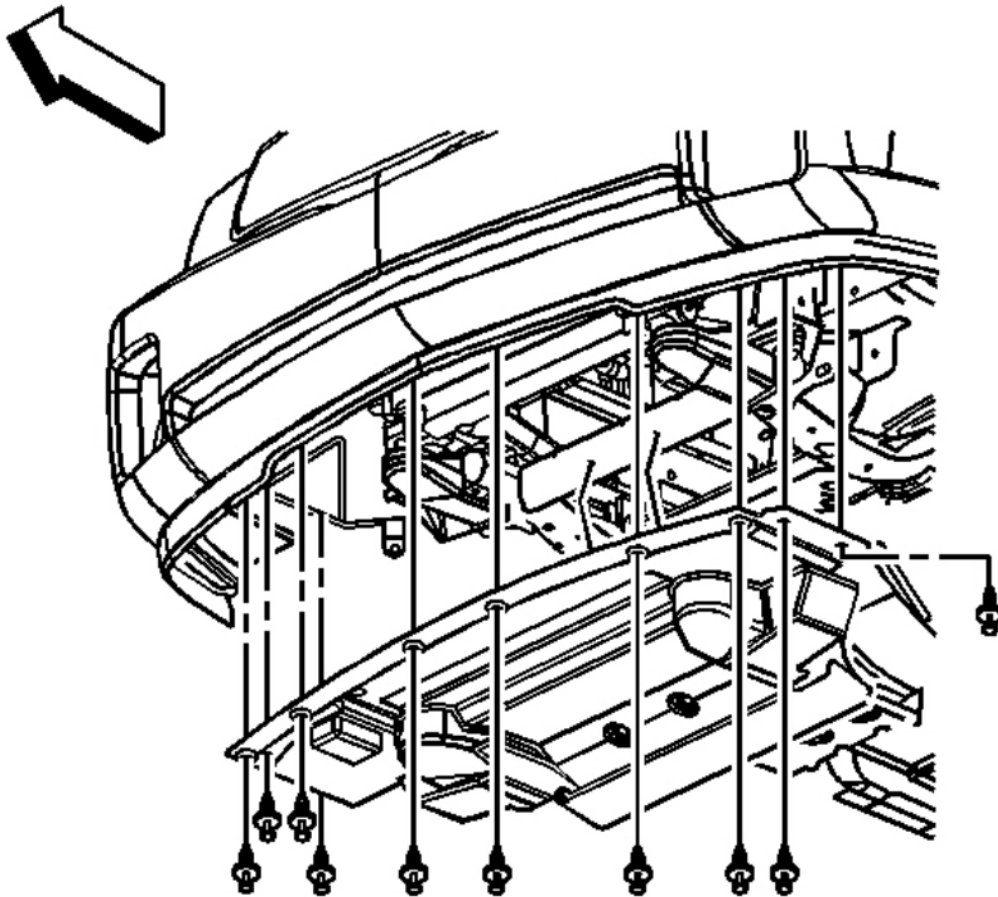


Fig. 29: Installing Front Air Deflector Push-In Retainers
Courtesy of GENERAL MOTORS CORP.

3. Install the push-in retainers to secure the front of the air deflector to the fascia.
4. Lower the vehicle.

FENDER REPLACEMENT - FRONT

Removal Procedure

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1. Apply tape to corners of panel and adjacent surfaces to help prevent paint damage.
2. Remove the front bumper fascia. Refer to **Fascia Replacement - Front Bumper** .
3. Remove the headlamp. Refer to **Headlamp Assembly or Headlamp Bulb and/or Cornering, Sidemarker, Park, Turn Signal Bulb Replacement** in Lighting Systems.
4. Remove the hood. Refer to **Hood Replacement**.
5. Remove the front wheelhouse liner. Refer to **Wheelhouse Liner Replacement - Front**.
6. Remove the front section of the rocker panel molding. Refer to **Molding Replacement - Rocker Panel** in Exterior Trim.
7. Remove the front fender sound insulator. Refer to **Fender Sound Insulator Replacement - Front**.

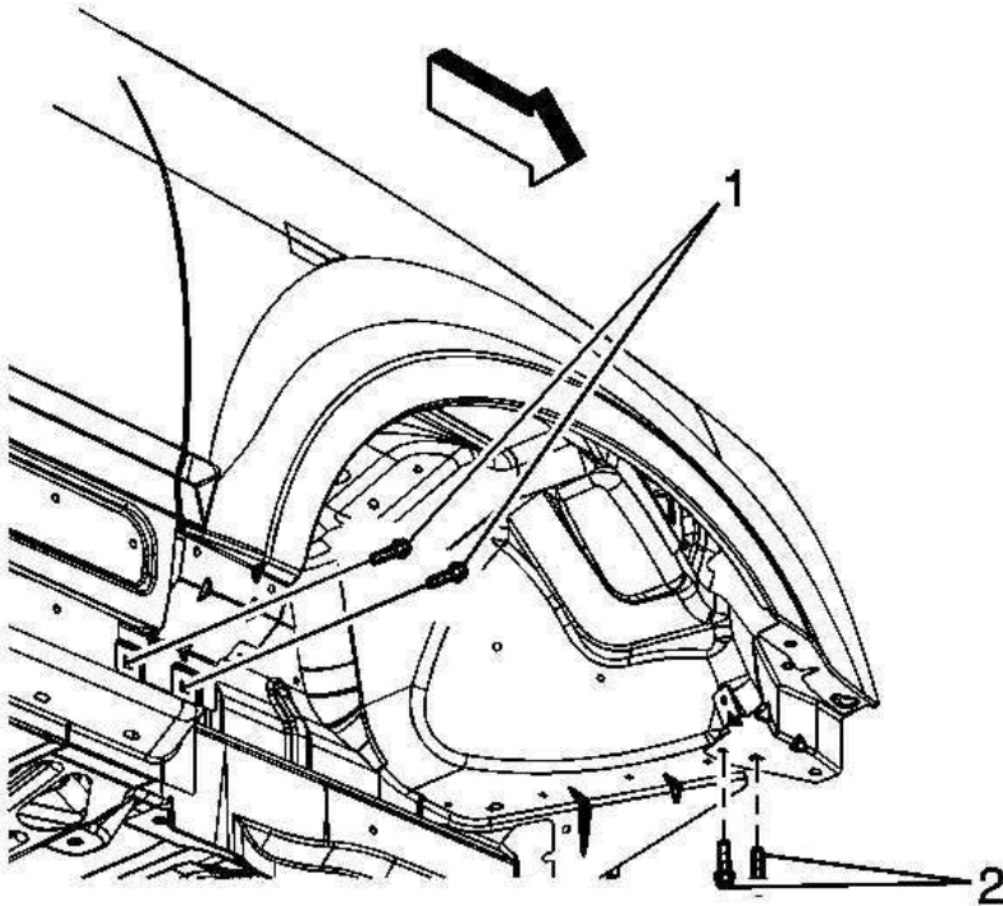


Fig. 30: View Of Lower Front Fender Bolts
Courtesy of GENERAL MOTORS CORP.

8. Remove the bolts (1) securing the lower front portion of the front fender to the vehicle.
9. Remove the bolts (2) securing the lower rear portion of the front fender to the vehicle.

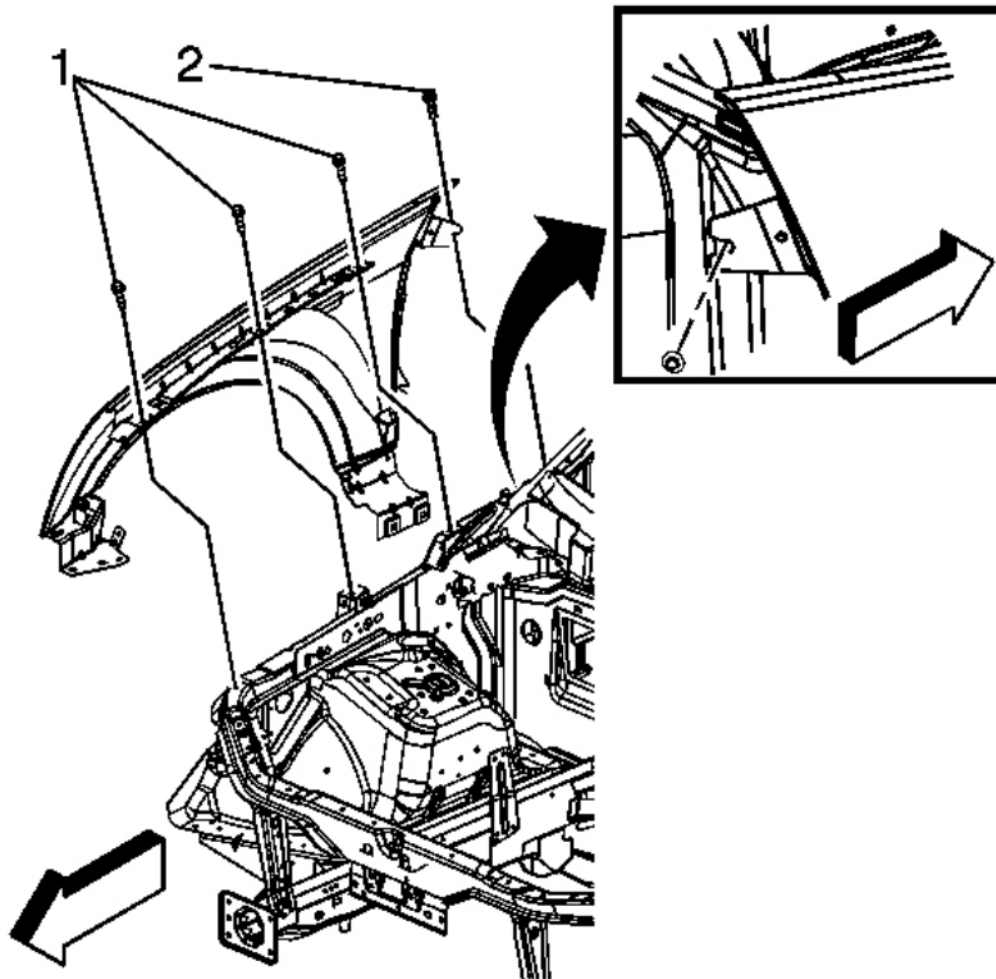


Fig. 31: View Of Upper Front Fender Bolts
Courtesy of GENERAL MOTORS CORP.

10. Remove the bolt (2) securing the upper rear portion of the front fender to the vehicle.

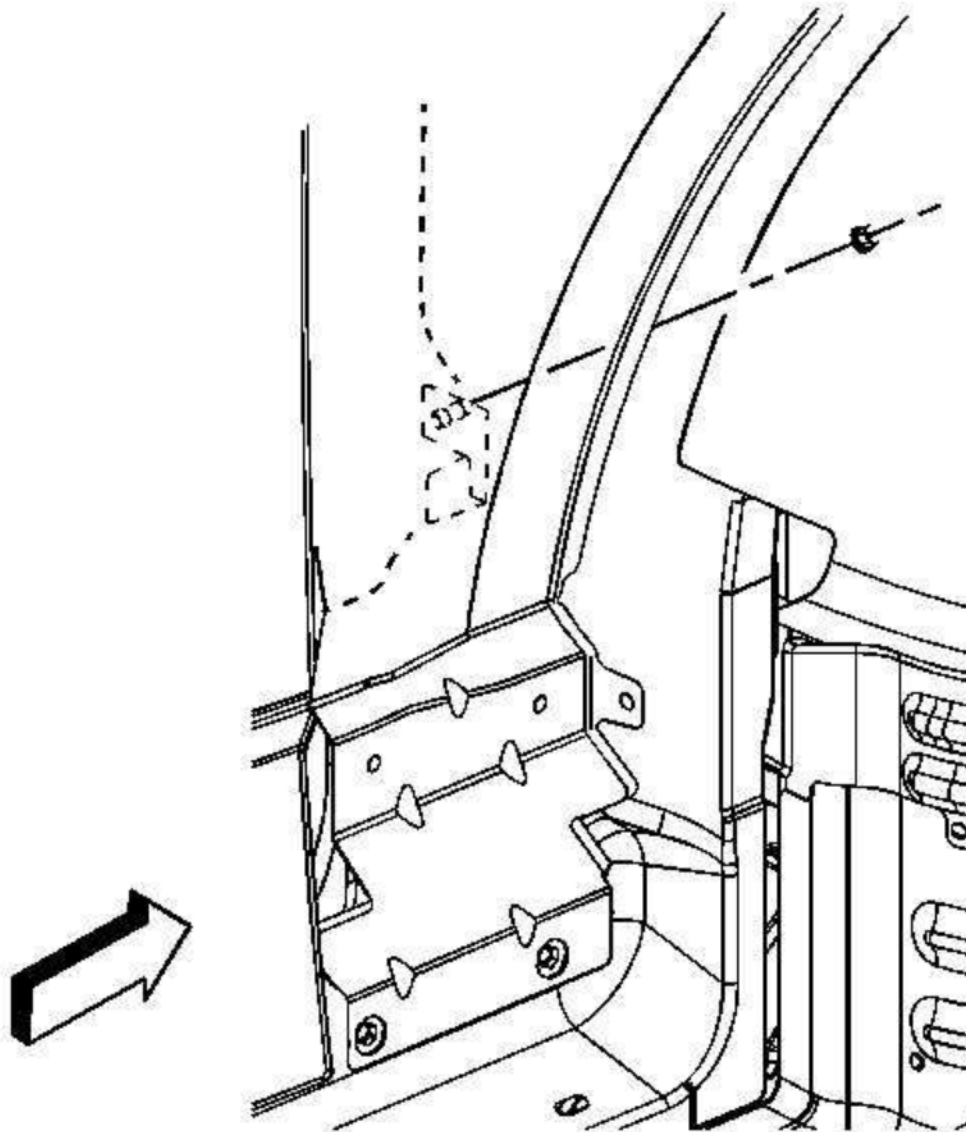


Fig. 32: View Of Inside Fender-To-Door Pillar Bolt
Courtesy of GENERAL MOTORS CORP.

11. Loosen the bolt on the inside of fender to door pillar.
12. Remove shield from upper portion of fender by depressing tabs, battery side

only.

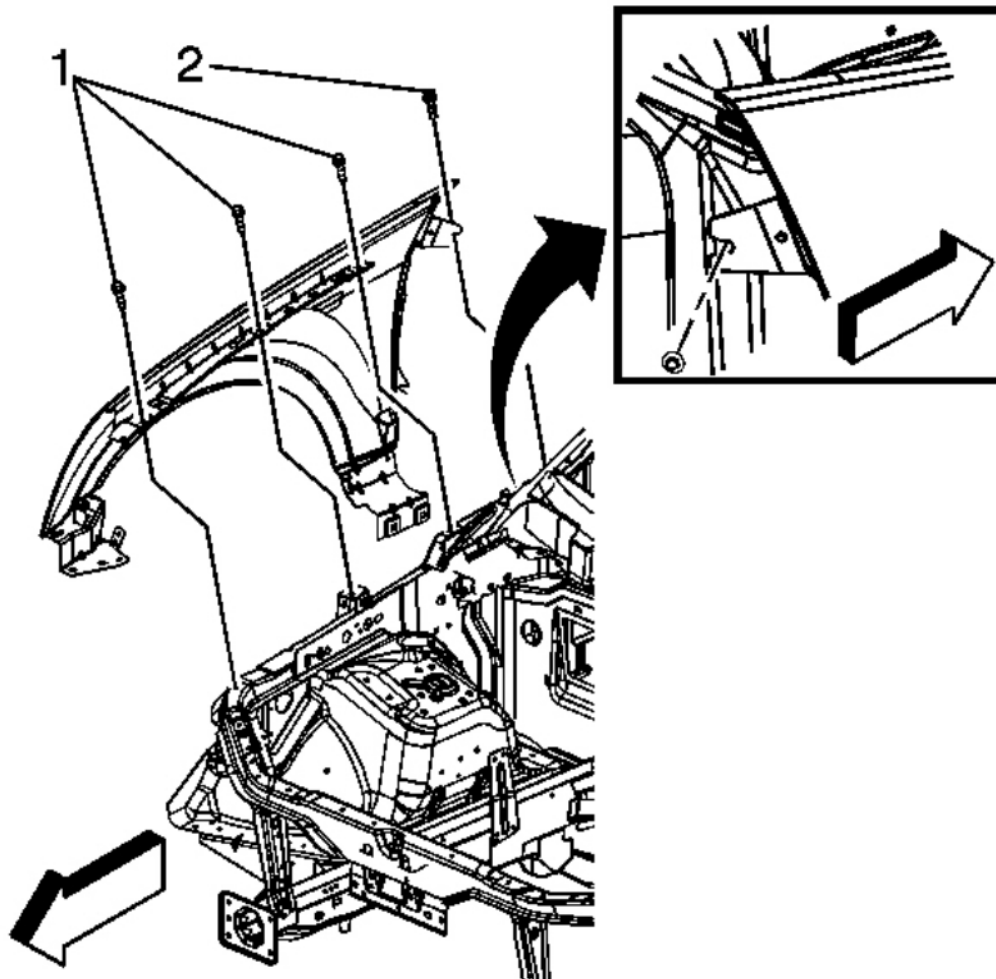


Fig. 33: View Of Upper Front Fender Bolts
Courtesy of GENERAL MOTORS CORP.

Remove the bolts (1) securing the upper portion of the front fender to the vehicle.

13. Remove the front fender from the vehicle.

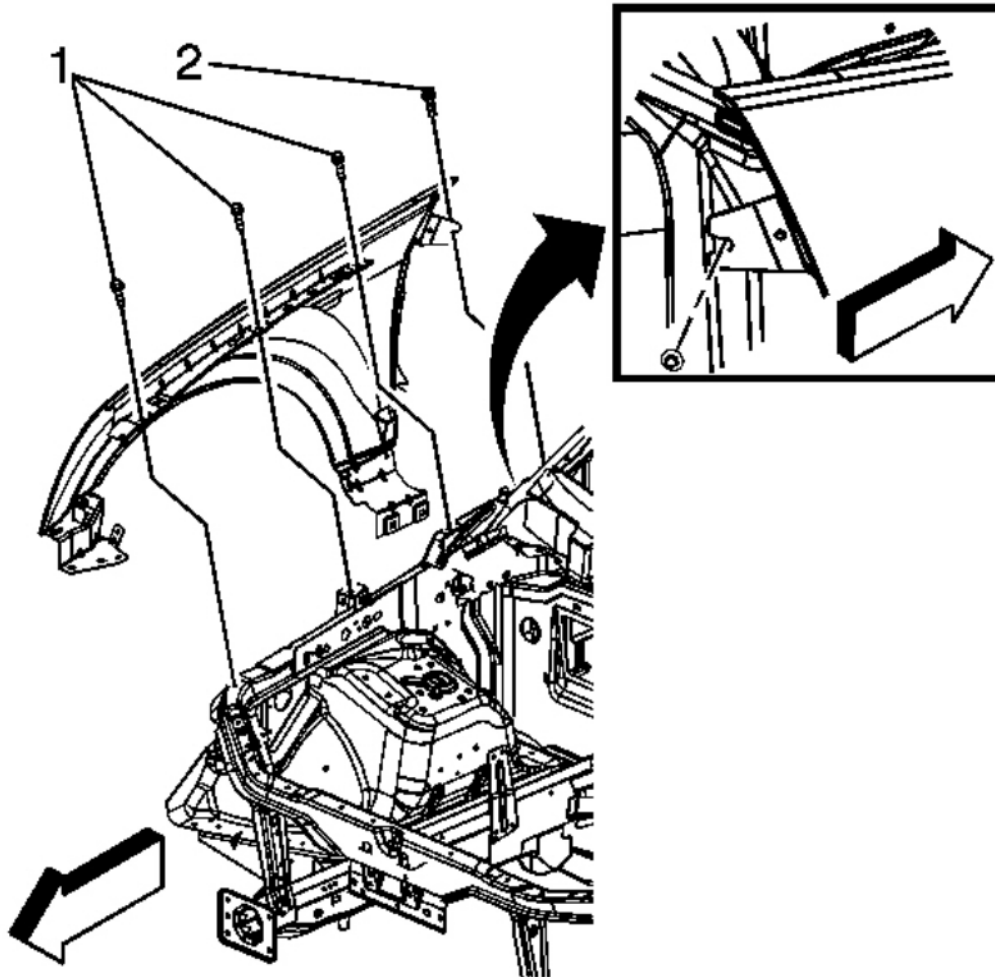


Fig. 34: View Of Upper Front Fender Bolts
Courtesy of GENERAL MOTORS CORP.

1. Position the front fender to the vehicle.

NOTE: Refer to Fastener Notice in Cautions and Notices.

2. Install the bolts (1) in order to secure the upper portion of the front fender to the vehicle.

Tighten: Tighten the bolts to 9 N.m (80 lb in).

3. Install the bolt (2) in order to secure the rear portion of the front fender to the vehicle.

Tighten: Tighten the bolt to 9 N.m (80 lb in).

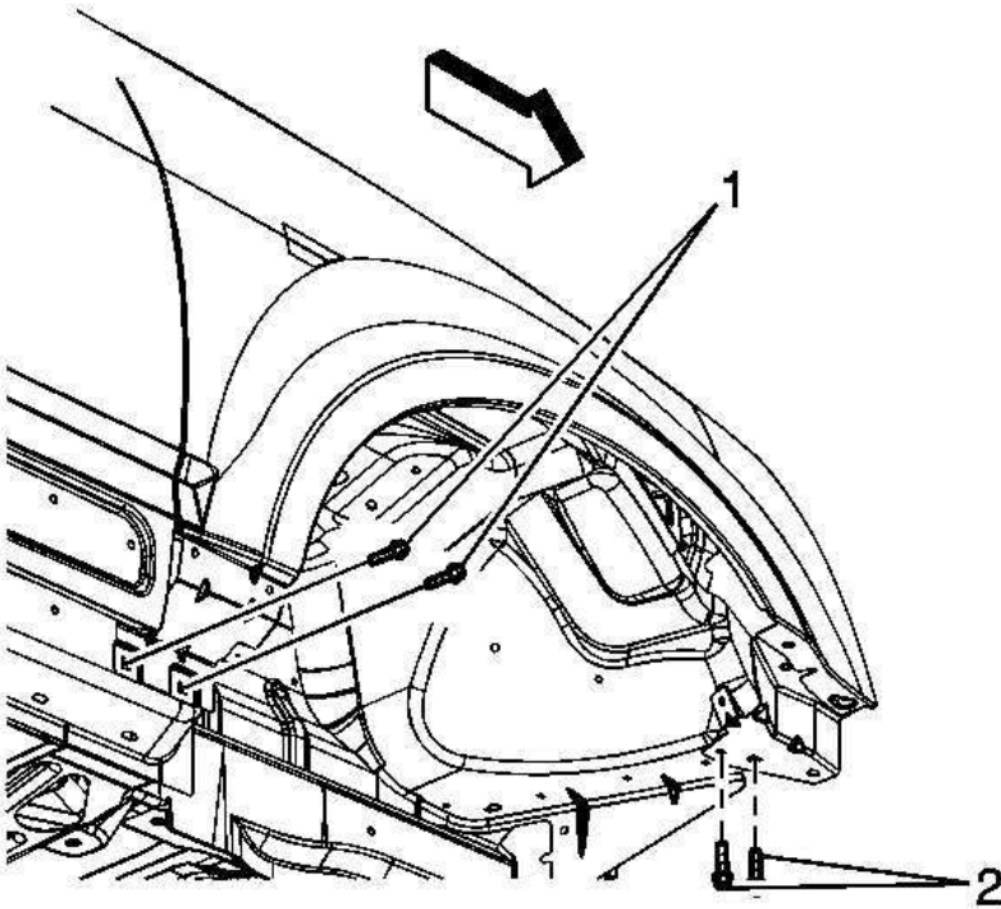


Fig. 35: View Of Lower Front Fender Bolts
Courtesy of GENERAL MOTORS CORP.

4. Install the bolts (2) in order to secure the lower rear portion of the front fender to the vehicle.

Tighten: Tighten the bolts to 9 N.m (80 lb in).

5. Install the bolts (1) in order to secure the lower front portion of the front fender to the vehicle.

Tighten: Tighten the bolt to 9 N.m (80 lb in).

6. Install the hood. Refer to **Hood Replacement**.
7. Install the front wheelhouse liner. Refer to **Wheelhouse Liner Replacement - Front**.
8. Install the rocker panel molding. Refer to **Molding Replacement - Rocker Panel** in Exterior Trim.
9. Install the headlamp. Refer to **Headlamp Assembly or Headlamp Bulb and/or Cornering, Sidemarker, Park, Turn Signal Bulb Replacement** in Lighting Systems.
10. Install the front fender sound insulator. Refer to **Fender Sound Insulator Replacement - Front**.
11. Remove the tape.

WHEELHOUSE LINER REPLACEMENT - FRONT

Removal Procedure

1. Raise and support the vehicle. Refer to **Lifting and Jacking the Vehicle** in General Information.

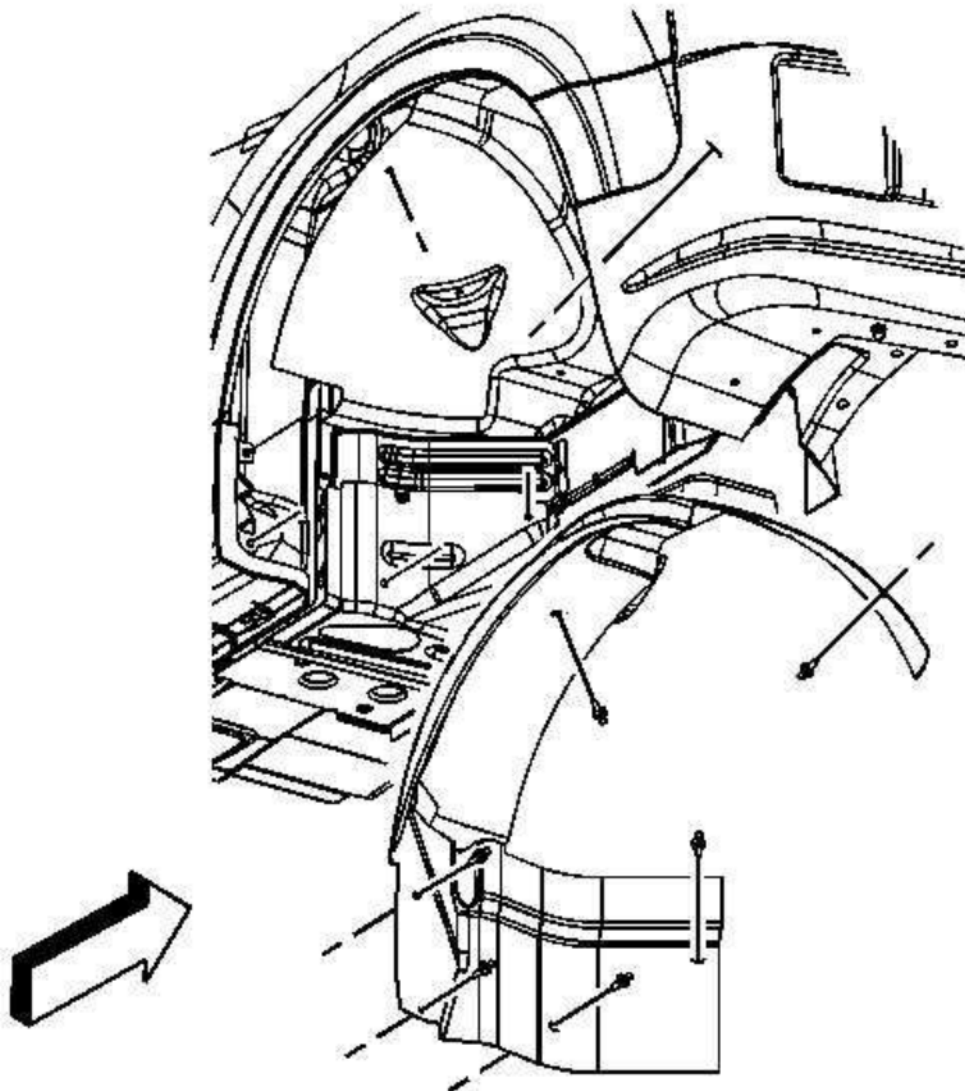


Fig. 36: View Of Front Wheelhouse Liner
Courtesy of GENERAL MOTORS CORP.

2. Remove the push-in retainers securing the wheelhouse liner to the vehicle.
3. Remove the wheelhouse liner from the vehicle.

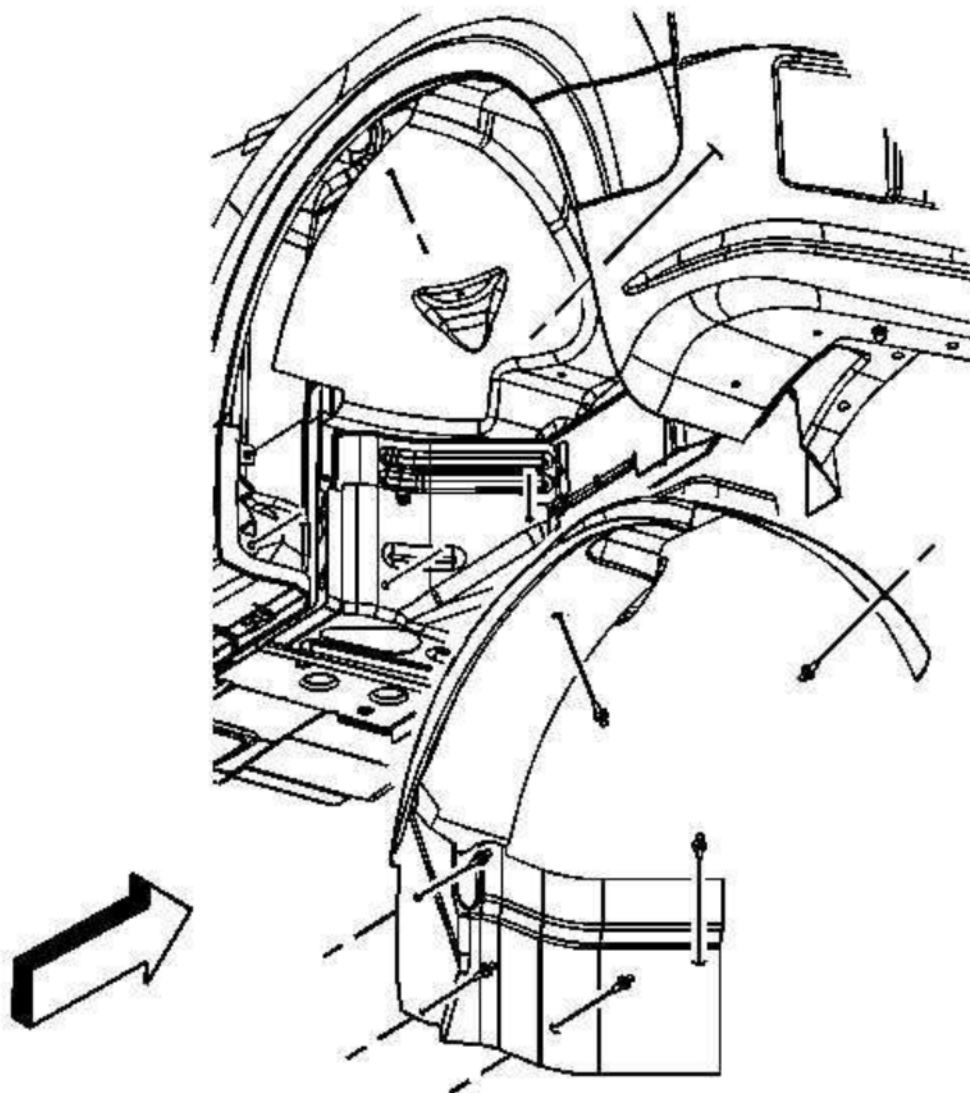


Fig. 37: View Of Front Wheelhouse Liner
Courtesy of GENERAL MOTORS CORP.

1. Position the front wheelhouse liner to the vehicle.
2. Install the push-in retainers to secure the wheelhouse liner to the vehicle.

Removal Procedure

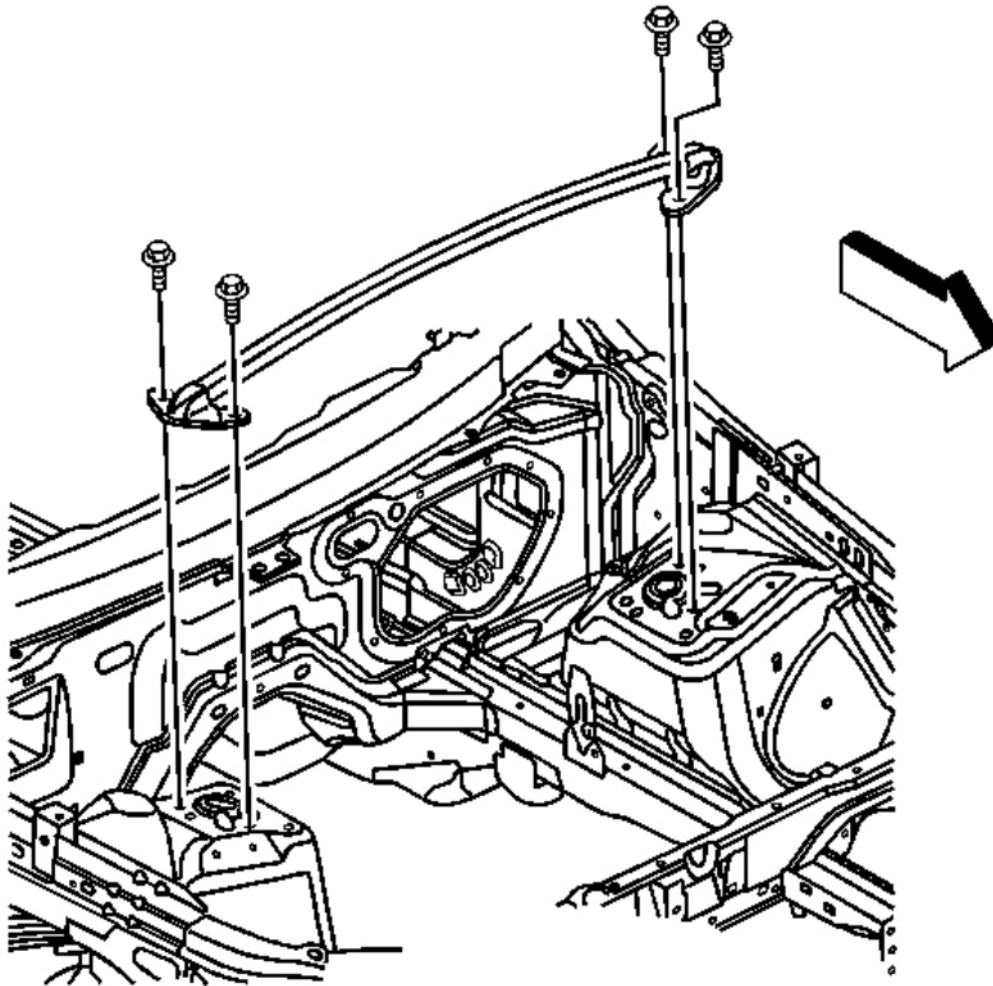


Fig. 38: View Of Cross Vehicle Brace
Courtesy of GENERAL MOTORS CORP.

1. Open the hood.
2. Remove the bolts from the cross vehicle brace.
3. Remove the cross vehicle brace from the vehicle.

Installation Procedure

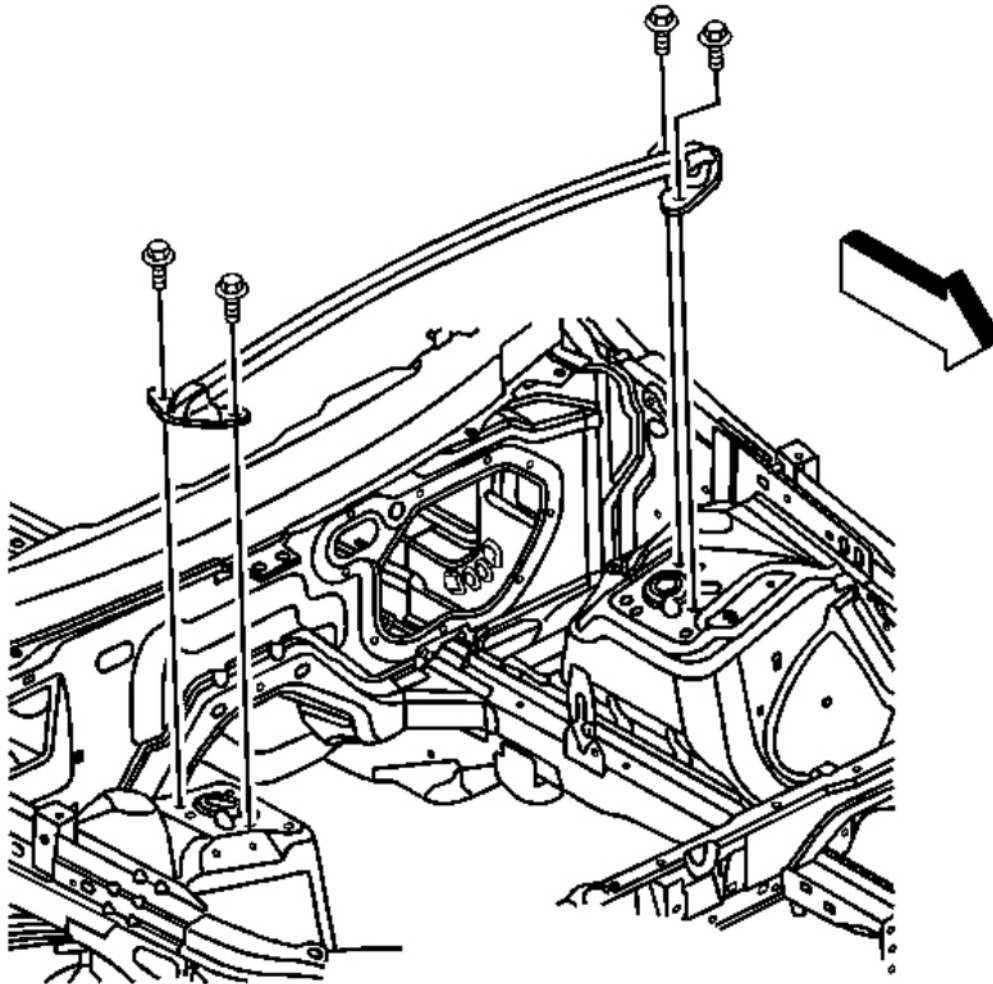


Fig. 39: View Of Cross Vehicle Brace
Courtesy of GENERAL MOTORS CORP.

1. Install the cross vehicle brace to the vehicle.

NOTE: Refer to Fastener Notice in Cautions and Notices.

2. Install the bolts to the cross vehicle brace.

Tighten: Tighten the cross vehicle brace bolts to 112 N.m (83 lb ft).

3. Close the hood.

AIR INLET GRILLE PANEL REPLACEMENT

Removal Procedure

1. Remove the windshield wiper arms. Refer to **Wiper Arm Replacement** in Wipers/Washer Systems.

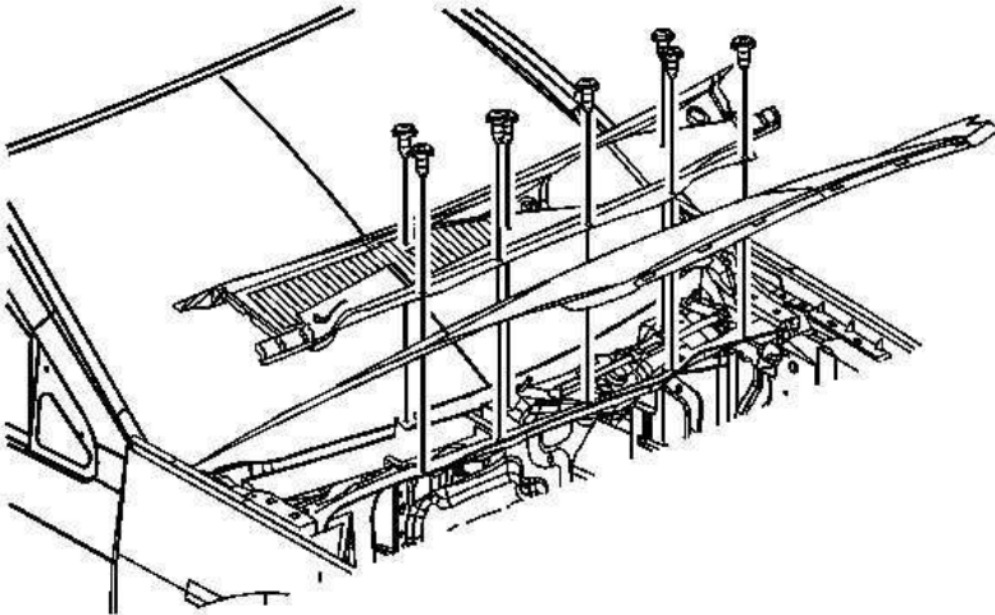


Fig. 40: View Of Upper Air Inlet Panel
Courtesy of GENERAL MOTORS CORP.

2. Remove the upper air inlet panel fasteners.
3. Remove the upper air inlet panel.

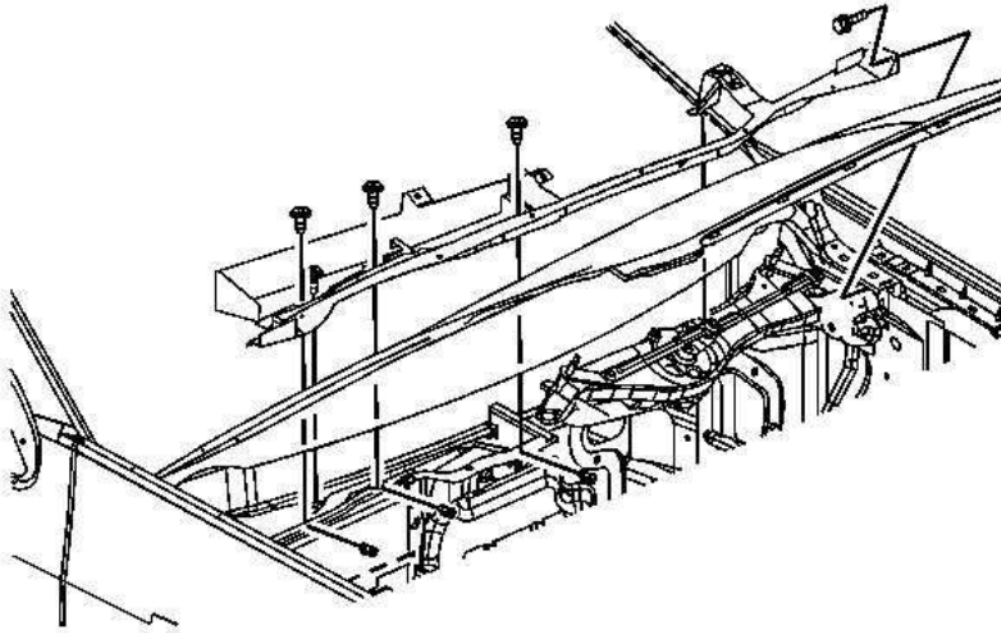


Fig. 41: View Of Lower Air Inlet Panel
Courtesy of GENERAL MOTORS CORP.

4. Remove the lower air inlet panel fasteners.
5. Remove the lower air inlet panel support bracket retainer from the master cylinder mounting stud.
6. Remove the lower air inlet panel.

Installation Procedure

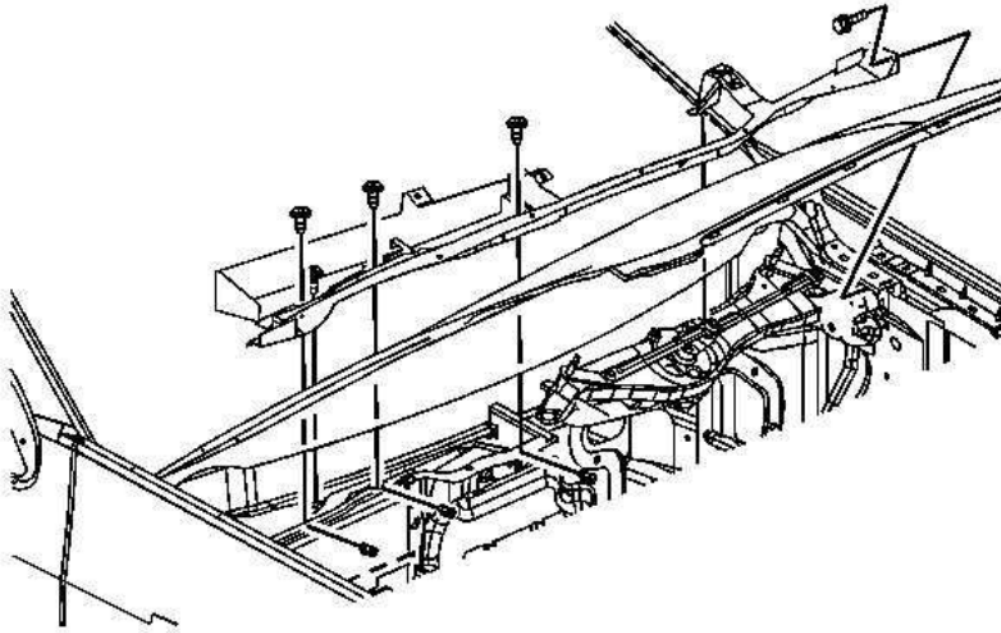


Fig. 42: View Of Lower Air Inlet Panel
Courtesy of GENERAL MOTORS CORP.

1. Position the lower air inlet panel to the vehicle.
2. Install the lower air inlet panel support bracket retainer to the master cylinder mounting stud.
3. Install the lower air inlet panel fasteners.

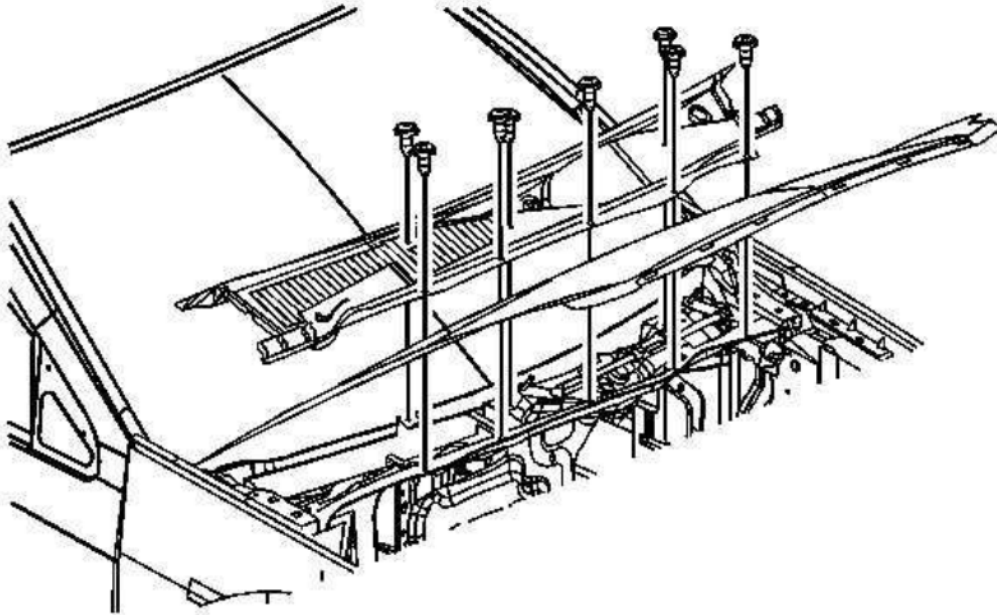


Fig. 43: View Of Upper Air Inlet Panel
Courtesy of GENERAL MOTORS CORP.

4. Position the upper air inlet panel to the vehicle.
5. Install the upper air inlet panel fasteners.
6. Install the windshield wiper arms. Refer to **Wiper Arm Replacement** in Wipers/Washer Systems.

SEAL REPLACEMENT - HOOD FRONT

Removal Procedure

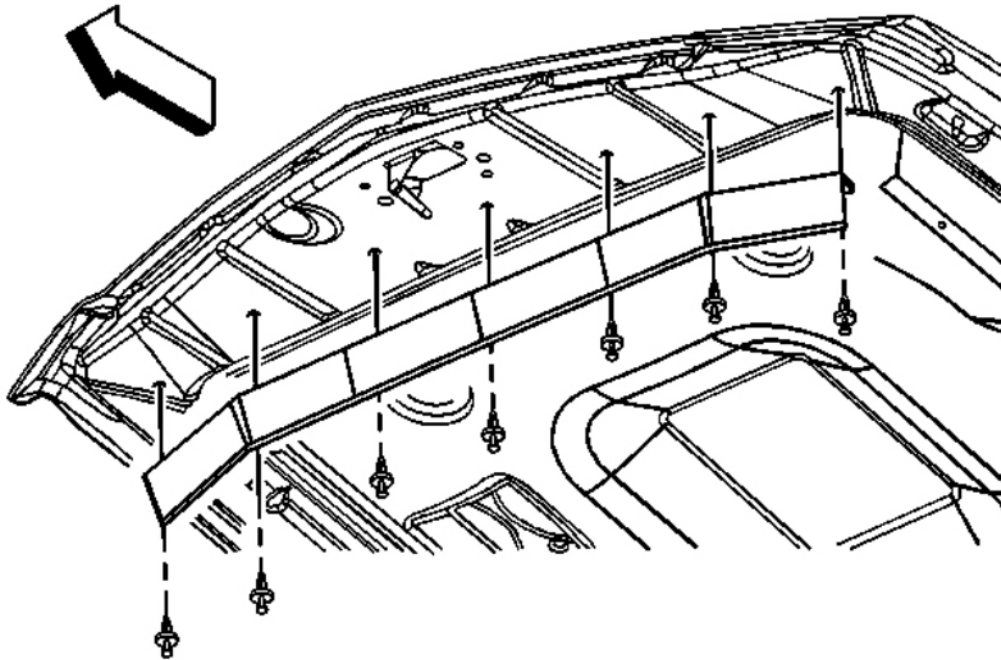


Fig. 44: View Of Front Hood Seal
Courtesy of GENERAL MOTORS CORP.

1. Remove the push-in retainers.
2. Using a trim pad clip removal tool, carefully work the seal off the hood from side to side.
3. Remove the front hood seal from the hood.

Installation Procedure

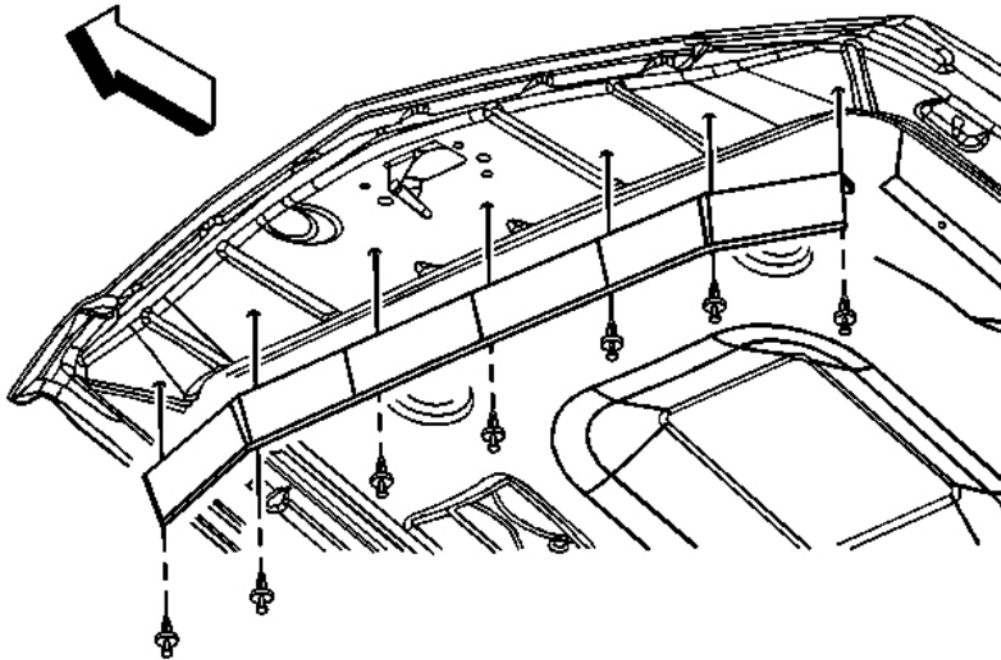


Fig. 45: View Of Front Hood Seal
Courtesy of GENERAL MOTORS CORP.

1. Position the front hood seal to the hood.
2. Install the push-in retainers to secure the front hood seal to the hood.

SPLASH SHIELD REPLACEMENT - WHEELHOUSE

Removal Procedure

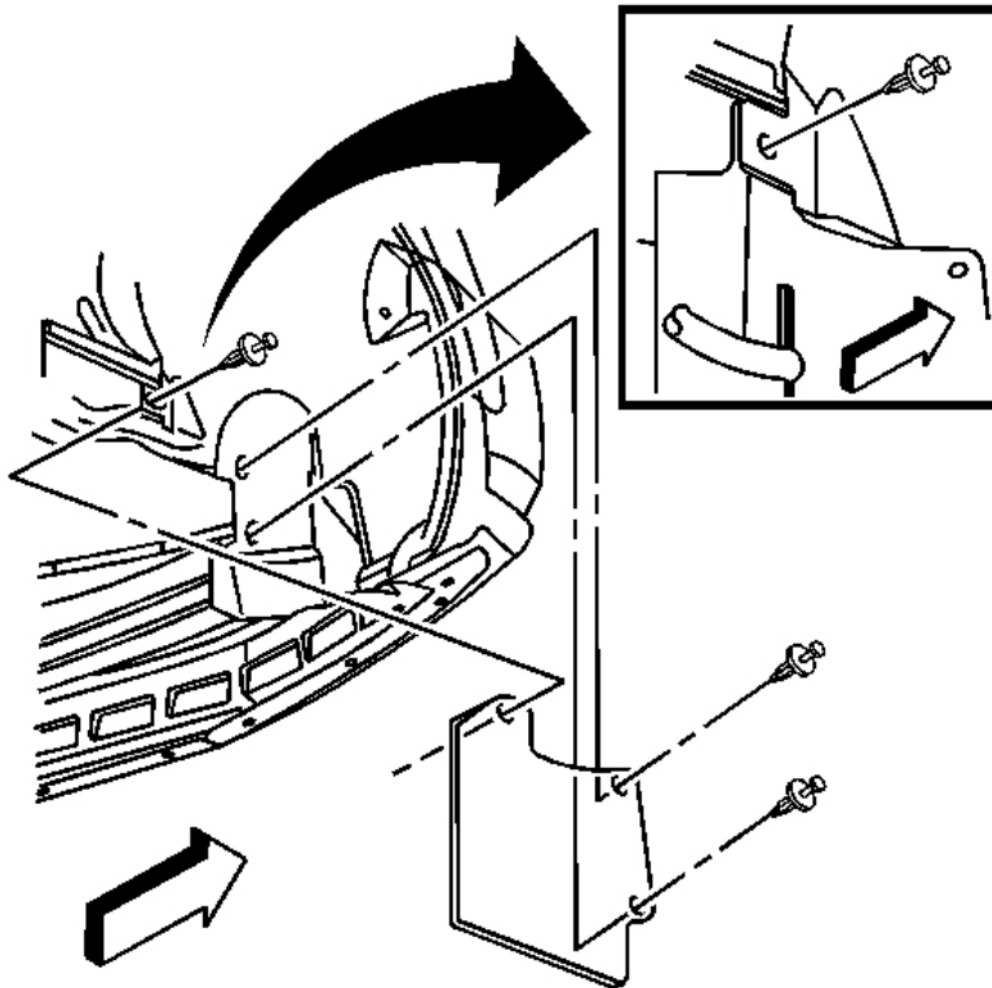


Fig. 46: View Of Wheelhouse Splash Shield
Courtesy of GENERAL MOTORS CORP.

1. Raise and support the vehicle. Refer to **Lifting and Jacking the Vehicle** in General Information.
2. Remove the push-in retainers securing the splash shield to the vehicle.
3. Remove the splash shield from the vehicle.

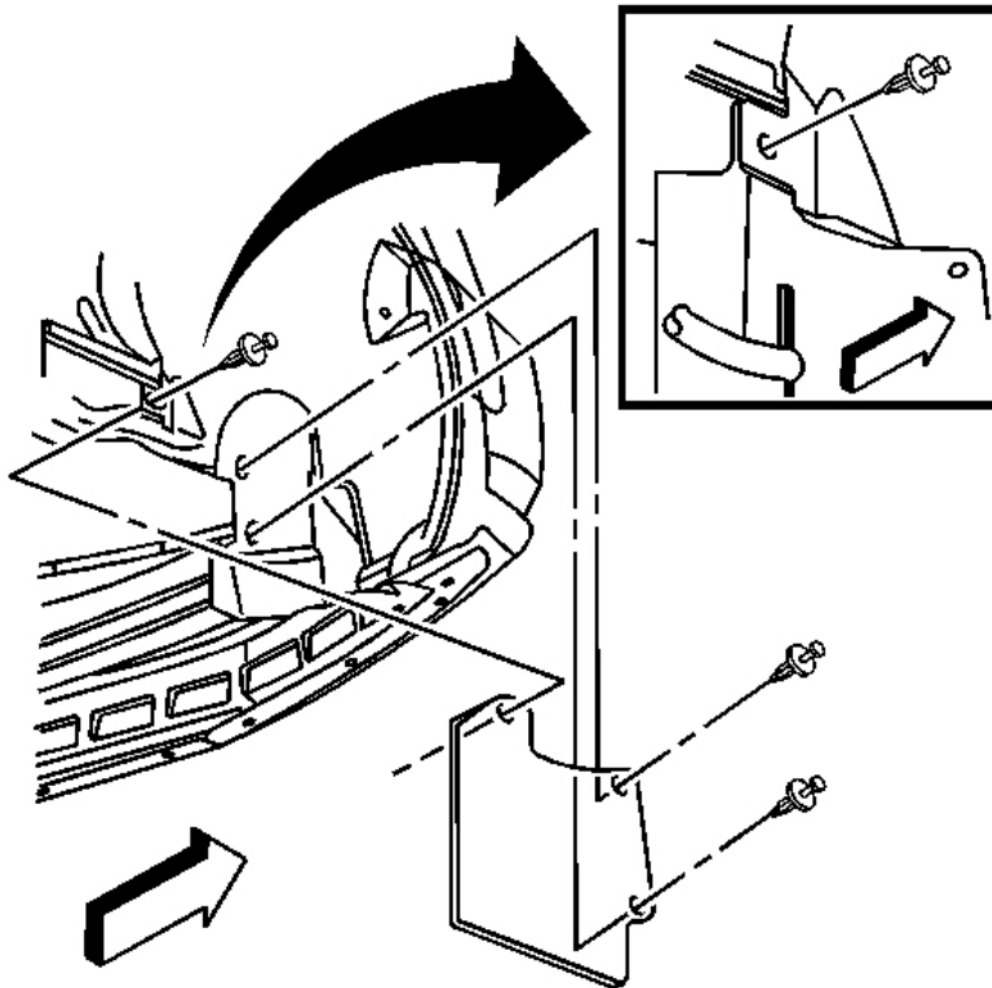


Fig. 47: View Of Wheelhouse Splash Shield
Courtesy of GENERAL MOTORS CORP.

1. Position the splash shield to the vehicle.
2. Install the push-in retainers to secure the splash shield to the vehicle.

FENDER SOUND INSULATOR REPLACEMENT - FRONT

Removal Procedure

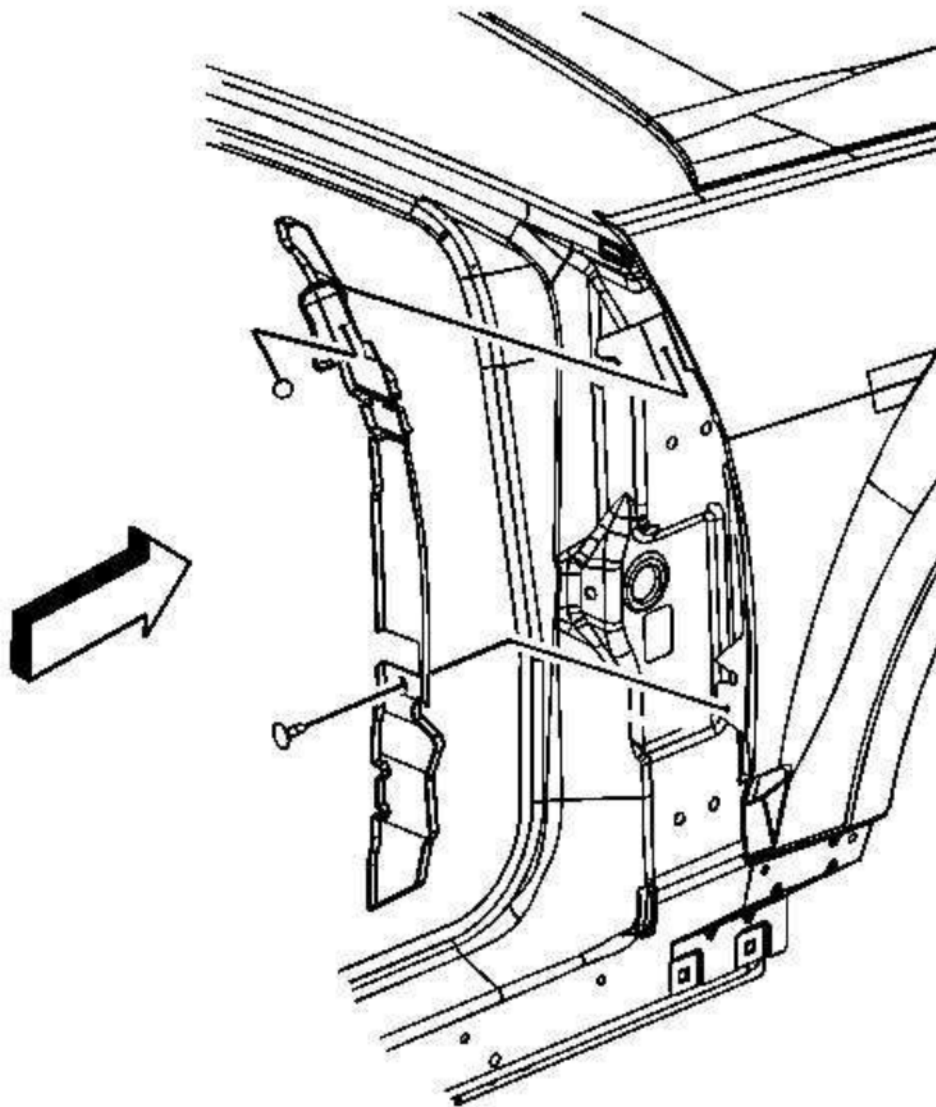


Fig. 48: View Of Front Fender Sound Insulator
Courtesy of GENERAL MOTORS CORP.

1. Open the front door.
2. Remove the push-in retainers securing the front fender sound insulator to the vehicle.

3. Remove the front fender sound insulator from the vehicle.

Installation Procedure

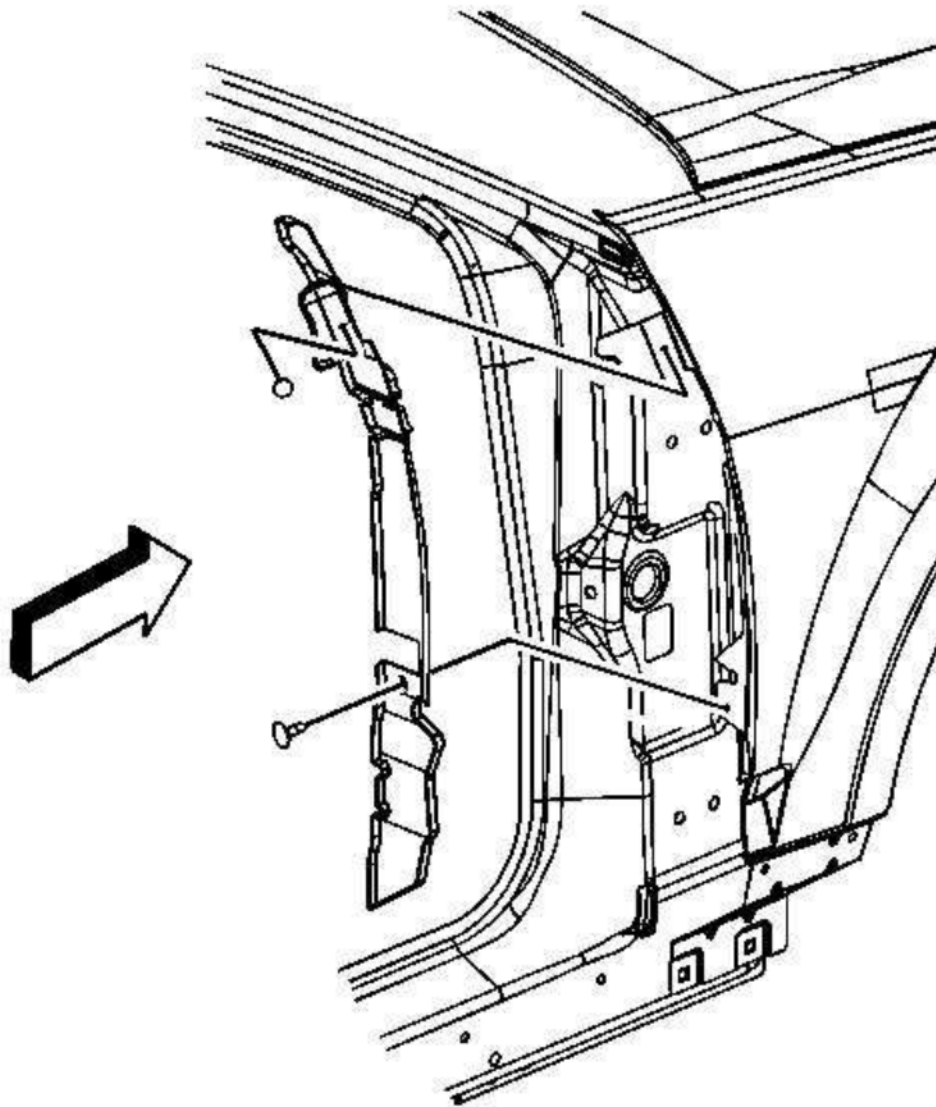


Fig. 49: View Of Front Fender Sound Insulator
Courtesy of GENERAL MOTORS CORP.

2006 Cadillac SRX

2006 ACCESSORIES & EQUIPMENT Body Front End - SRX

1. Position the front fender sound insulator to the vehicle.
2. Install the push-in fasteners in order to secure the front fender sound insulator to the vehicle.
3. Close the door.

COWL DRAIN VALVE REPLACEMENT

Removal Procedure

1. Remove the battery tray. Refer to **Battery Tray Replacement** in Engine Electrical.

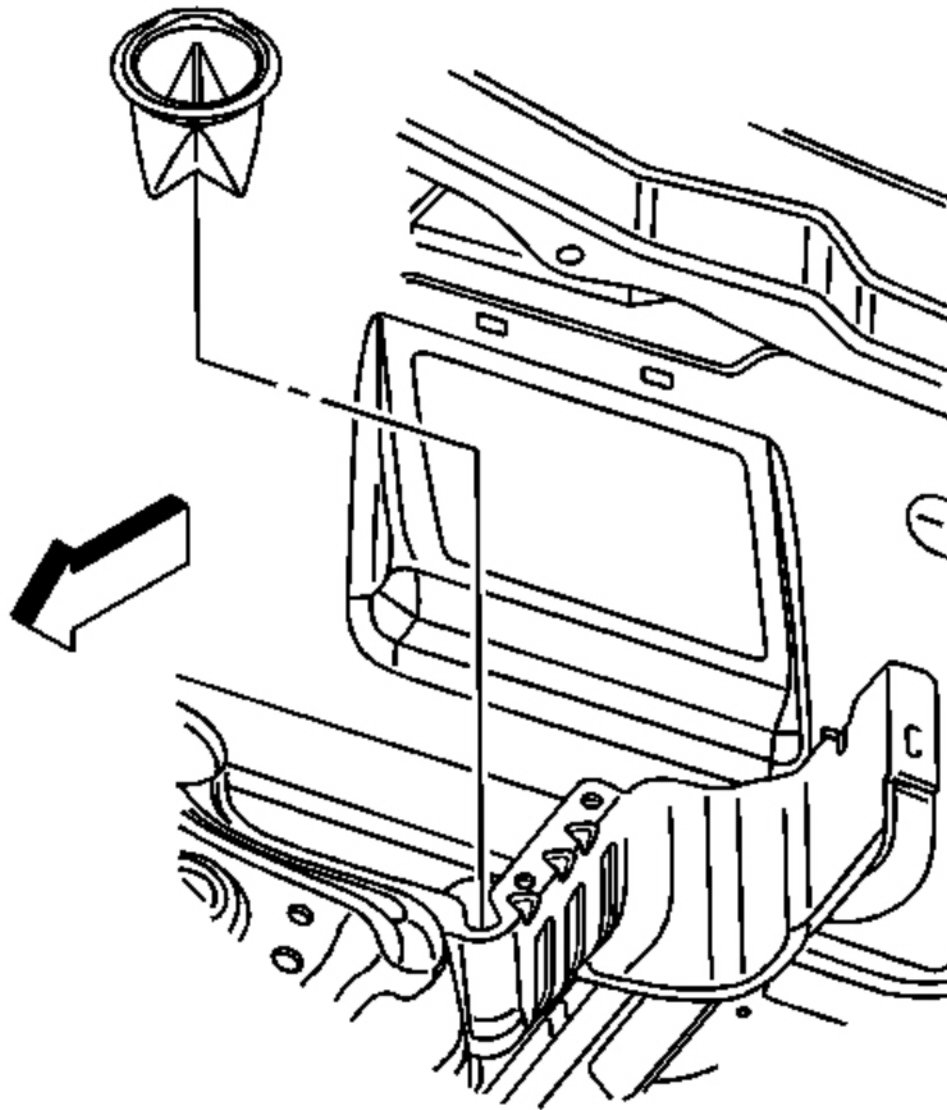


Fig. 50: View Of Cowl Drain Valve
Courtesy of GENERAL MOTORS CORP.

2. Remove the cowl drain valve from the vehicle.

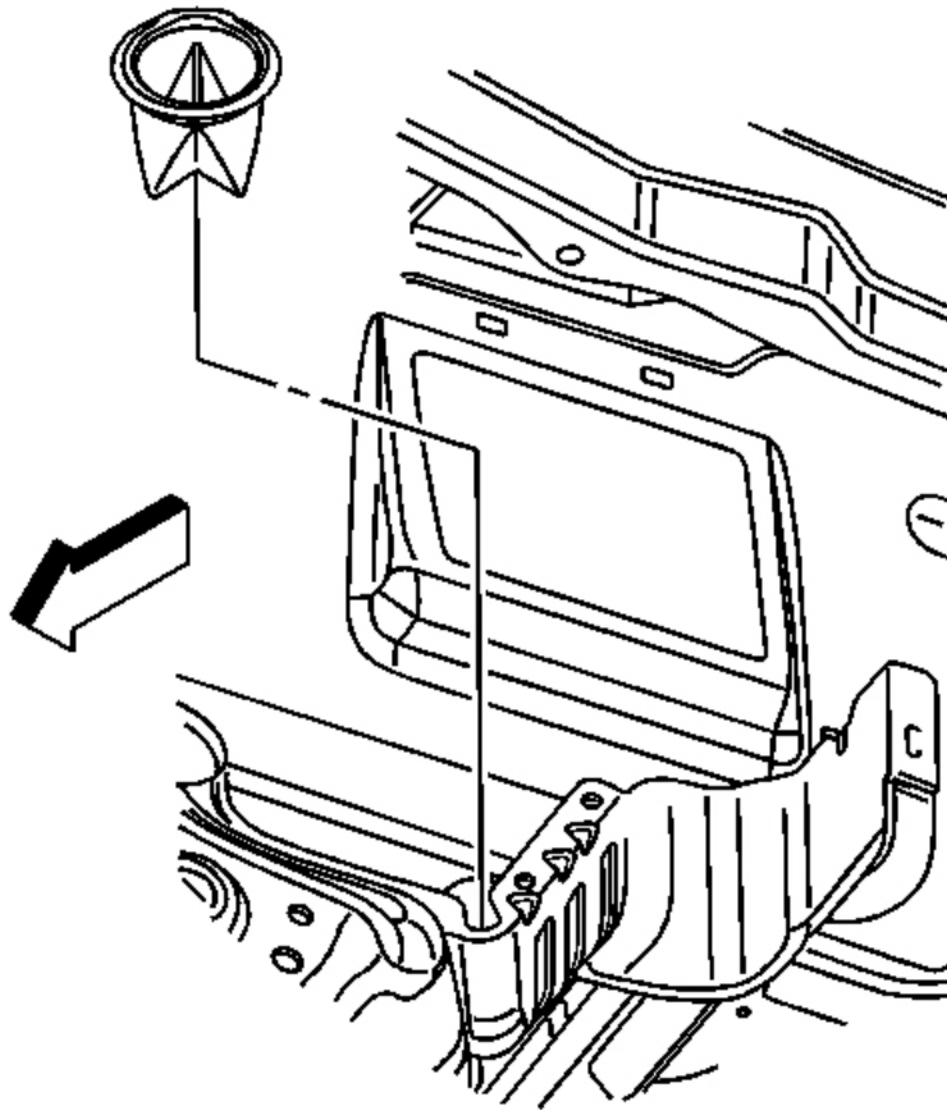


Fig. 51: View Of Cowl Drain Valve
Courtesy of GENERAL MOTORS CORP.

1. Install the cowl drain valve to the vehicle.
2. Install the battery tray. Refer to **Battery Tray Replacement** in Engine Electrical.

DESCRIPTION AND OPERATION

WATER MANAGEMENT DESCRIPTION AND OPERATION

Air Inlet Grille Panel Water Flow Direction and Cleaning

A large percentage of water will flow off the windshield area into the air inlet grille panel drain system and then down the outside on the air inlet grille panel to the underside of the vehicle. To ensure that the air inlet grille panel water management system performs properly, the air inlet grille panel, and drains must not be blocked with debris.

In the graphic below the gray arrows show the water flow direction in the air inlet grille panel and drains system.

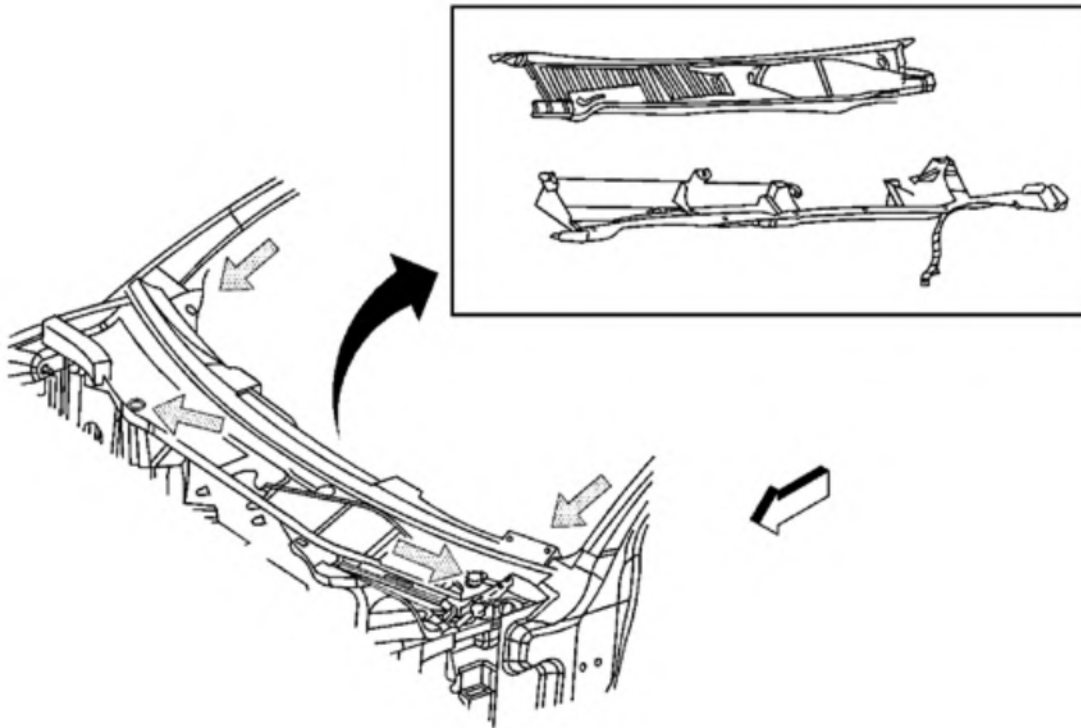


Fig. 52: Identifying Air Inlet Grille Panels
Courtesy of GENERAL MOTORS CORP.

The air inlet grille panel is located in front of the windshield.

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1. Remove the upper air inlet grille panel. Refer to **Air Inlet Grille Panel Replacement**.
2. Clean the lower air inlet grille panel of debris blockage.
3. Flush the lower air inlet grille panel with clean water.
4. Install the upper air inlet grille panel. Refer to **Air Inlet Grille Panel Replacement**.