Bolted Exterior Body Panels and Closures - Sierra, Silverado

SPECIFICATIONS

FASTENER SPECIFICATIONS

Reusable Threaded Fastener Tightening Specifications

Note: All fasteners listed in this table can be reused after removal.	
Application	**Specification Metric (English)**
Air Conditioning Condenser Bracket Bolt	9 N.m (80 lb in)
Bodyside Hinge Bolt	32 N.m (24 lb ft)
Door Side Hinge Bolt	25 N.m (18 lb ft)
Endgate Striker Bolt	30 N.m (22 lb ft)
Engine Coolant Fan Bracket Bolt	25 N.m (18 lb ft)
Front End Sheet Metal Diagonal Brace Bolt	9 N.m (80 lb in)
Front End Upper Tie Bar Bolt	9 N.m (80 lb in)
Front Fender Rear Upper Brace Bolt	25 N.m (18 lb ft)
Front Fender Upper Bracket Bolt	25 N.m (18 lb ft)
Front Side Door Check Link Bolt	22 N.m (16 lb ft)
Front Side Door Check Link Nut	10 N.m (89 lb in)
Front Side Door Lower Hinge Bolt	25 N.m (18 lb ft)
Front Side Door Lower Hinge to Body Bolt	32 N.m (24 lb ft)
Front Side Door Lower Hinge to Door Bolt	25 N.m (18 lb ft)
Front Side Door Upper Hinge Bolt	25 N.m (18 lb ft)
Front Side Door Upper Hinge to Body Bolt	32 N.m (24 lb ft)
Front Side Door Upper Hinge to Door Bolt	25 N.m (18 lb ft)
Fuel Tank Filler Pipe Housing Screw	5 N.m (44 lb in)
Headlamp and Front End Fascia Mount Panel Bolt	25 N.m (18 lb ft)
Headlamp and Radiator Grille Mount Panel Bolt	25 N.m (18 lb ft)
Hood Hinge Bolt	22 N.m (16 lb ft)
Hood Hinge Bolt to Bodyside	30 N.m (22 lb ft)
Hood Hinge Pivot Bolt	25 N.m (18 lb ft)
Hood Link Upper Bolt	25 N.m (18 lb ft)
Hood Open Assist Spring Bolt	22 N.m (16 lb ft)
Hood Primary and Secondary Latch Bolt	22 N.m (16 lb ft)
Left Front Fender Inner Panel Bolt	25 N.m (18 lb ft)
Left Front Fender Lower Bolt	25 N.m (18 lb ft)
Left Front Fender Nut	25 N.m (18 lb ft)
Left Front Fender Rear Bolt	30 N.m (22 lb ft)
Pickup Box Bolt	85 N.m (63 lb ft)
Pickup Box Bracket Bolt	25 N.m (18 lb ft)
Pickup Box Endgate Access Hole Cover Panel Bolt	2.5 N.m (22 lb in)
Pickup Box Endgate Dampener Nut	25 N.m (18 lb ft)

cardiagn.com

Note: All fasteners listed in this table can be reused after removal.	
Application	**Specification Metric (English)**
Radiator Upper Mount Bracket Bolt	25 N.m (18 lb ft)
Rear Side Door Check Link Body Side Bolt	22 N.m (16 lb ft)
Rear Side Door Check Link Bolt	22 N.m (16 lb ft)
Rear Side Door Check Link Nut	9 N.m (80 lb in)
Rear Side Door Lower Hinge Bolt	25 N.m (18 lb ft)
Rear Side Door Lower Hinge to Body Bolt	32 N.m (24 lb ft)
Rear Side Door Lower Hinge to Door Bolt	25 N.m (18 lb ft)
Rear Side Door Upper Hinge Bolt	25 N.m (18 lb ft)
Rear Side Door Upper Hinge to Body Bolt	32 N.m (24 lb ft)
Rear Side Door Upper Hinge to Door Bolt	25 N.m (18 lb ft)
Right Fender Lower Bolt	25 N.m (18 lb ft)
Right Fender Inner Panel Bolt	25 N.m (18 lb ft)
Right Fender Rear Bolt	30 N.m (22 lb ft)
Torque Rod Retainer Bolt	12 N.m (106 lb in)

SCHEMATIC WIRTING DIAGRAMS

HOOD LATCH WIRING SCHEMATICS

Hood Ajar Switch (2500/3500)

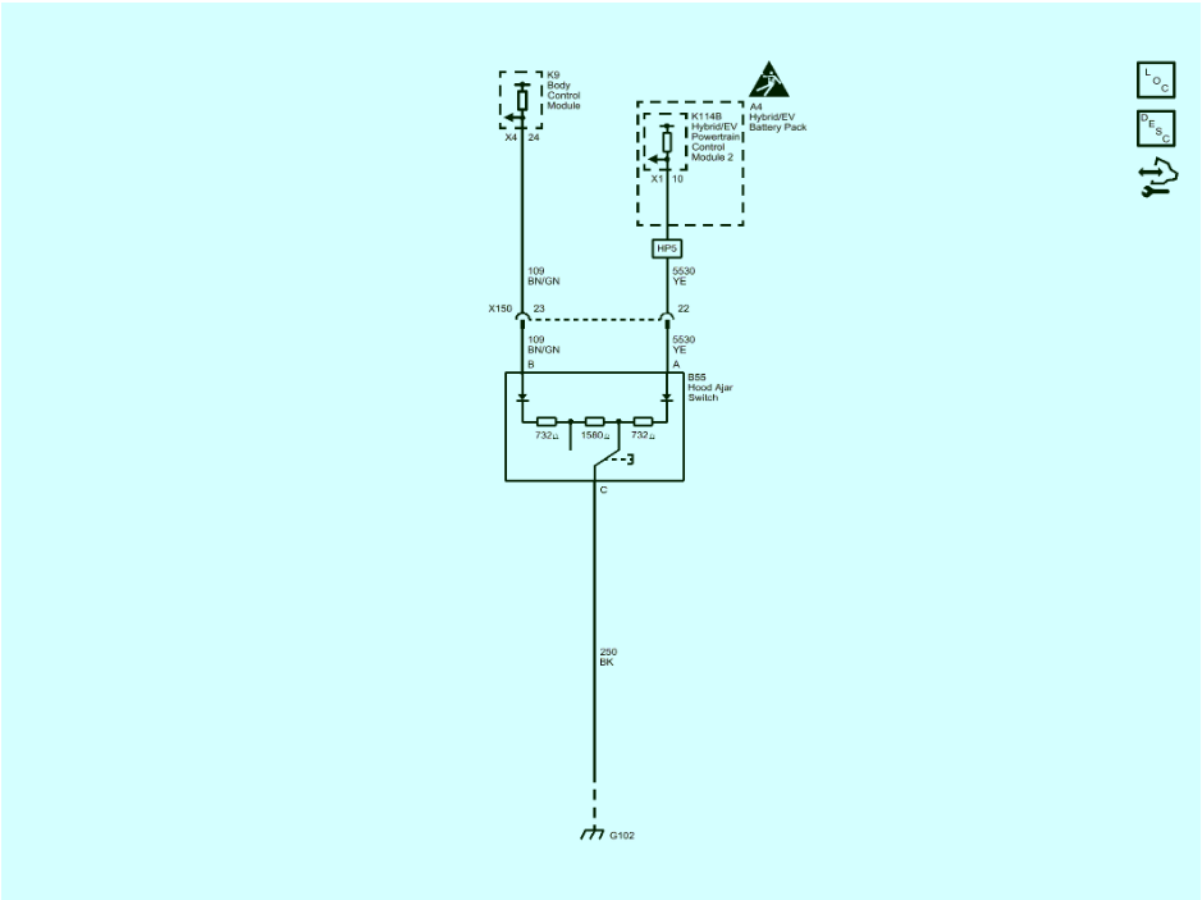


Fig. 1: Hood Ajar Switch (2500/3500)

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

DIAGNOSTIC INFORMATION AND PROCEDURES

DTC B3006: HOOD AJAR

Diagnostic Instructions

- Perform the **Diagnostic System Check - Vehicle** prior to using this diagnostic procedure.
- Review **Strategy Based Diagnosis** for an overview of the diagnostic approach.
- **Diagnostic Procedure Instructions** provides an overview of each diagnostic category.

DTC Descriptors

DTC B3006

Hood Ajar Circuit

For symptom byte information, refer to **Symptom Byte List** .

Diagnostic Fault Information

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
Signal	B3006 02	B3006 01, B3006 04	B3006 01	-
Ground	-	B3006 01, B3006 04	-	-

Circuit/System Description

The body control module (BCM) applies B+ to the hood ajar signal circuit and monitors the voltage to determine the position of the hood. When the hood is closed, the switch is open and voltage remains high. When the hood is open, the switch is closed and the voltage is pulled low.

Conditions for Running the DTC

The BCM continuously monitors for this DTC

Conditions for Setting the DTC

B3006 01

The BCM detects that the hood ajar switch signal circuit is shorted to battery.

B3006 02

The BCM detects that the hood ajar switch signal circuit is shorted to ground.

B3006 04

The BCM detects that the hood ajar switch signal circuit is open.

Action Taken When the DTC Sets

cardiagn.com

- The hood ajar switch input will be ignored as a content theft deterrent trigger.
- Remote vehicle start (if equipped) will be disabled.

Conditions for Clearing the DTC

- A current DTC will clear when the conditions for setting the DTC are no longer present.
- A history DTC will clear after 40 malfunction free ignition cycles.

Reference Information

Schematic Reference

Immobilizer Schematics

Connector End View Reference

COMPONENT CONNECTOR END VIEWS - INDEX

Description and Operation

Keyless Entry System Description and Operation

Electrical Information Reference

- **Circuit Testing**
- **Connector Repairs**
- **Testing for Intermittent Conditions and Poor Connections**
- **Wiring Repairs**

Scan Tool Reference

Control Module References for scan tool information

Circuit/System Verification

1. Ignition ON.
2. Verify the scan tool Hood Ajar Switch parameter is Open when the hood is open and Closed when the hood is closed.
    - **If the parameter does not change**

      Refer to Circuit/System Testing.

    - **If the parameter changes**
3. All OK.

Circuit/System Testing

1. Ignition OFF and all vehicle systems OFF, disconnect the harness connector at the B55 Hood Ajar Switch. It may take up to 2 min for all vehicle systems to power down.
2. Test for less than 10 Ω between the ground circuit terminal C and ground.
    - **If 10 Ω or greater**

cardiagn.com

1. Ignition OFF
2. Test for less than 2 Ω in the ground circuit end to end.
    - If 2 Ω or greater, repair the open/high resistance in the circuit.
    - If less than 2 Ω, repair the open/high resistance in the ground connection.
- **If less than 10 Ω**

3. Ignition ON.
4. Test for greater than 10 V between the signal circuit terminal B and ground.
    - **If 10 V or less**

    1. Ignition OFF, disconnect the harness connector at the K9 Body Control Module.
    2. Test for infinite resistance between the signal circuit and ground.
        - If less than infinite resistance, repair the short to ground on the circuit.
        - If Infinite resistance.
    3. Test for less than 2 Ω in the signal circuit end to end.
        - If 2 Ω or greater, repair the open/high resistance in the circuit.
        - If less than 2 Ω, replace the K9 Body Control Module.

    - **If greater than 10 V**

5. Ignition OFF, disconnect the X4 and X7 harness connector at the K9 Body Control Module, ignition ON.
6. Test for less than 1 V between the signal circuit terminal B and ground.
    - **If 1 V or greater**

      Repair the short to voltage on the circuit.

    - **If less than 1 V**

7. Test or replace the B55 Hood Ajar Switch.

Component Testing

1. Ignition OFF, disconnect the harness connector at the B55 Hood Ajar Switch.
2. Test for 2738-3350 Ω between the signal terminal A and the signal terminal B with the hood latch in the closed position.
    - **If not between 2738-3350 Ω**

      Replace the B55 Hood Ajar Switch.

    - **If between 2738-3350 Ω**

3. Test for 658-806 Ω between the signal terminal A and the ground terminal C with the hood latch in the closed position.
    - **If not between 658-806 Ω**

      Replace the B55 Hood Ajar Switch.

    - **If between 658-806 Ω**

4. Test for 2080-2545 Ω between the signal terminal B and the ground terminal C with the hood latch in the closed position.
    - **If not between 2080-2545 Ω**

cardiagn.com

Replace the B55 Hood Ajar Switch.

- **If between 2080-2545 Ω**

5. Test for 2738-3350 Ω between the signal terminal A and the signal terminal B with the hood latch in the open position.
   - **If not between 2738-3350 Ω**

     Replace the B55 Hood Ajar Switch.

   - **If between 2738-3350 Ω**
6. Test for 2080-2545 Ω between the signal terminal A and the ground terminal C with the hood latch in the open position.
   - **If not between 2080-2545 Ω**

     Replace the B55 Hood Ajar Switch.

   - **If between 2080-2545 Ω**
7. Test for 658-806 Ω between the signal terminal B and the ground terminal C with the hood latch in the open position.
   - **If not between 658-806 Ω**

     Replace the B55 Hood Ajar Switch.

   - **If between 658-806 Ω**
8. All OK.

Repair Instructions

Perform the **Diagnostic Repair Verification** after completing the repair.

- **Hood Primary and Secondary Latch Replacement**
- **Control Module References** for body control module replacement, programming, and setup.

DTC P257D-P257F: ENGINE HOOD SWITCH

Diagnostic Instructions

- Perform the **Diagnostic System Check - Vehicle** prior to using this diagnostic procedure.
- Review **Strategy Based Diagnosis** for an overview of the diagnostic approach.
- **Diagnostic Procedure Instructions** provides an overview of each diagnostic category.

DTC Descriptors

DTC P257E

Engine Hood Switch Circuit Low Voltage

DTC P257F

Engine Hood Switch Circuit High Voltage

Diagnostic Fault Information

cardiagn.com

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
Signal - Terminal B	B3006 02	B3006 04	B3006 01	-
Signal - Terminal A	P257E	P257F	P257F	-
Low Reference	-	B3006 04, P257F	-	-

Circuit/System Description

The Engine Control Module applies B+ to the hood ajar signal 2 circuit and monitors the voltage to determine the position of the hood. The hood ajar switch contains a multiplexed resistor. This resistor will vary the voltage seen by the Engine Control Module by pulling down the applied voltage based on the position of the switch.

Conditions for Running the DTC

Ignition ON.

Conditions for Setting the DTC

P257E

The Engine Control Module detects a short to ground in the hood ajar signal input to the Engine Control Module.

P257F

The Engine Control Module detects a short to voltage or an open/high resistance in the hood ajar signal input to the Engine Control Module.

Action Taken When the DTC Sets

Engine start/stop function will be disabled.

Conditions for Clearing the DTC

DTCs P257D, P257E, and P257F are Type B DTCs.

Reference Information

Schematic Reference

Hood Latch Schematics

Connector End View Reference

COMPONENT CONNECTOR END VIEWS - INDEX

Description and Operation

Hood Ajar Indicator Description and Operation

Electrical Information Reference

- **Circuit Testing**
- **Connector Repairs**

cardiagn.com

- **Testing for Intermittent Conditions and Poor Connections**
- **Wiring Repairs**

Scan Tool Reference

Control Module References for scan tool information

Circuit/System Verification

1. Ignition ON.
2. Verify the scan tool Engine Control Module Hood Position parameter is Open when the hood is open and Closed when the hood is closed.
   - **If the parameter does not change**

     Refer to Circuit/System Testing.

   - **If the parameter changes**
3. All OK.

Circuit/System Testing

1. Ignition OFF and all vehicle systems OFF, disconnect the harness connector at the B55 Hood Ajar Switch. It may take up to two minutes for all vehicle systems to power down.
2. Test for less than 10 Ω between the low reference circuit terminal C and ground.
   - **If 10 Ω or greater**
   1. Ignition OFF, disconnect the harness connector at the K20 Engine Control Module.
   2. Test for less than 2 Ω in the low reference circuit end to end.
      - If 2 Ω or greater, repair the open/high resistance in the circuit.
      - If less than 2 Ω, replace the K20 Engine Control Module.
   - **If less than 10 Ω**
3. Ignition ON.
4. Verify DTC P257F is set as current
   - **If DTC P257F is not set as current**
   1. Ignition OFF, disconnect the harness connector at the K20 Engine Control Module.
   2. Test for infinite resistance between the signal circuit and ground.
      - If less than infinite resistance, repair the short to ground on the circuit.
      - If infinite resistance, replace the K20 Engine Control Module.
   - **If DTC P257F is set as current**
5. Install a 5 A fused jumper wire between the signal circuit terminal A and ground, ignition ON
6. Verify DTC P257E is set as current.
   - **If DTC P257E is not set as current**
   1. Ignition OFF, disconnect the harness connector at the K20 Engine Control Module.
   2. Test for less than 1 V between the signal circuit and ground.
      - If 1 V or greater, repair the short to voltage on the circuit.
      - If less than 1 V

cardiagn.com

3. Test for less than 2 Ω in the signal circuit end to end.
    - If 2 Ω or greater, repair the open/high resistance in the circuit.
    - If less than 2 Ω, replace the K20 Engine Control Module.
- **If DTC P257E is set as current**

7. Test or replace the B55 Hood Ajar Switch.

Component Testing

1. Ignition OFF, disconnect the harness connector at the B55 Hood Ajar Switch.
2. Test for 2738-3350 Ω between the signal terminal A and the signal terminal B with the hood latch in the CLOSED position.
    - **If not between 2738-3350 Ω**

      Replace the B55 Hood Ajar Switch.

    - **If between 2738-3350 Ω**
3. Test for 658-806 Ω between the signal terminal A and the ground terminal C with the hood latch in the CLOSED position.
    - **If not between 658-806 Ω**

      Replace the B55 Hood Ajar Switch.

    - **If between 658-806 Ω**
4. Test for 2080-2545 Ω between the signal terminal B and the ground terminal C with the hood latch in the CLOSED position.
    - **If not between 2080-2545 Ω**

      Replace the B55 Hood Ajar Switch.

    - **If between 2080-2545 Ω**
5. Test for 2738-3350 Ω between the signal terminal A and the signal terminal B with the hood latch in the OPEN position.
    - **If not between 2738-3350 Ω**

      Replace the B55 Hood Ajar Switch.

    - **If between 2738-3350 Ω**
6. Test for 2080-2545 Ω between the signal terminal A and the ground terminal C with the hood latch in the OPEN position.
    - **If not between 2080-2545 Ω**

      Replace the B55 Hood Ajar Switch.

    - **If between 2080-2545 Ω**
7. Test for 658-806 Ω between the signal terminal B and the ground terminal C with the hood latch in the OPEN position.
    - **If not between 658-806 Ω**

      Replace the B55 Hood Ajar Switch.

cardiagn.com

- **If between 658-806 Ω**

8. All OK.

Repair Instructions

Perform the **Diagnostic Repair Verification** after completing the repair.

- **Hood Primary and Secondary Latch Replacement**
- **Control Module References** for module replacement, programming, and setup

SYMPTOMS - BOLTED EXTERIOR BODY PANELS AND CLOSURES

IMPORTANT: The following steps must be completed before using the symptom tables.

1. Perform the **Diagnostic System Check - Vehicle** before using the symptom tables in order to verify that all of the following are true:
   - There are no DTCs set.
   - The control modules can communicate via the serial data links.
2. Review the system operation in order to familiarize yourself with the system functions. Refer to **Hood Ajar Indicator Description and Operation**.

Visual/Physical Inspection

- Inspect for aftermarket devices which could affect the operation of the systems. Refer to **Checking Aftermarket Accessories** .
- Inspect the easily accessible or visible system components for obvious damage or conditions which could cause the symptom.

Intermittent

Faulty electrical connections or wiring may be the cause of intermittent conditions. Refer to **Testing for Intermittent Conditions and Poor Connections** .

Symptom List

Refer to **Hood Ajar Indicator/Message Malfunction** in order to diagnose the symptom.

HOOD AJAR INDICATOR/MESSAGE MALFUNCTION

Diagnostic Instructions

- Perform the **Diagnostic System Check - Vehicle** prior to using this diagnostic procedure.
- Review **Strategy Based Diagnosis** for an overview of the diagnostic approach.
- **Diagnostic Procedure Instructions** provides an overview of each diagnostic category.

DTC Descriptors

DTC B3006

Hood Ajar Circuit

For symptom byte information, refer to **Symptom Byte List** .

cardiagn.com

Diagnostic Fault Information

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
Signal	B3006 02	B3006 01, B3006 04	B3006 01	-
Ground	-	B3006 01, B3006 04	-	-

Circuit/System Description

The body control module (BCM) applies B+ to the hood ajar signal circuit and monitors the voltage to determine the position of the hood. When the hood is closed, the switch is open and voltage remains high. When the hood is open, the switch is closed and the voltage is pulled low.

Conditions for Running the DTC

The BCM continuously monitors for this DTC

Conditions for Setting the DTC

B3006 01

The BCM detects that the hood ajar switch signal circuit is shorted to battery.

B3006 02

The BCM detects that the hood ajar switch signal circuit is shorted to ground.

B3006 04

The BCM detects that the hood ajar switch signal circuit is open.

Action Taken When the DTC Sets

- The hood ajar switch input will be ignored as a content theft deterrent trigger.
- Remote vehicle start (if equipped) will be disabled.

Conditions for Clearing the DTC

- A current DTC will clear when the conditions for setting the DTC are no longer present.
- A history DTC will clear after 40 malfunction free ignition cycles.

Reference Information

Schematic Reference

Hood Latch Schematics

Connector End View Reference

COMPONENT CONNECTOR END VIEWS - INDEX

Description and Operation

cardiagn.com

Keyless Entry System Description and Operation

Electrical Information Reference

- Circuit Testing
- Connector Repairs
- Testing for Intermittent Conditions and Poor Connections
- Wiring Repairs

Scan Tool Reference

Control Module References for scan tool information

Circuit/System Verification

1. Ignition ON.
2. Verify the scan tool Hood Ajar Switch parameter is Open when the hood is open and Closed when the hood is closed.
    - **If the parameter does not change**

      Refer to Circuit/System Testing.

    - **If the parameter changes**
3. All OK.

Circuit/System Testing

1. Ignition OFF and all vehicle systems OFF, disconnect the harness connector at the B55 Hood Ajar Switch. It may take up to 2 min for all vehicle systems to power down.
2. Test for less than 10 Ω between the ground circuit terminal C and ground.
    - **If 10 Ω or greater**
    1. Ignition OFF
    2. Test for less than 2 Ω in the ground circuit end to end.
        - If 2 Ω or greater, repair the open/high resistance in the circuit.
        - If less than 2 Ω, repair the open/high resistance in the ground connection.
    - **If less than 10 Ω**
3. Ignition ON.
4. Test for greater than 10 V between the signal circuit terminal B and ground.
    - **If 10 V or less**
    1. Ignition OFF, disconnect the harness connector at the K9 Body Control Module.
    2. Test for infinite resistance between the signal circuit and ground.
        - If less than infinite resistance, repair the short to ground on the circuit.
        - If Infinite resistance.
    3. Test for less than 2 Ω in the signal circuit end to end.
        - If 2 Ω or greater, repair the open/high resistance in the circuit.
        - If less than 2 Ω, replace the K9 Body Control Module.

cardiagn.com

- **If greater than 10 V**

5. Ignition OFF, disconnect the X4 and X7 harness connector at the K9 Body Control Module, ignition ON.
6. Test for less than 1 V between the signal circuit terminal B and ground.
   - **If 1 V or greater**

     Repair the short to voltage on the circuit.

   - **If less than 1 V**
7. Test or replace the B55 Hood Ajar Switch.

Component Testing

1. Ignition OFF, disconnect the harness connector at the B55 Hood Ajar Switch.
2. Test for 2738-3350 Ω between the signal terminal A and the signal terminal B with the hood latch in the closed position.
   - **If not between 2738-3350 Ω**

     Replace the B55 Hood Ajar Switch.

   - **If between 2738-3350 Ω**
3. Test for 658-806 Ω between the signal terminal A and the ground terminal C with the hood latch in the closed position.
   - **If not between 658-806 Ω**

     Replace the B55 Hood Ajar Switch.

   - **If between 658-806 Ω**
4. Test for 2080-2545 Ω between the signal terminal B and the ground terminal C with the hood latch in the closed position.
   - **If not between 2080-2545 Ω**

     Replace the B55 Hood Ajar Switch.

   - **If between 2080-2545 Ω**
5. Test for 2738-3350 Ω between the signal terminal A and the signal terminal B with the hood latch in the open position.
   - **If not between 2738-3350 Ω**

     Replace the B55 Hood Ajar Switch.

   - **If between 2738-3350 Ω**
6. Test for 2080-2545 Ω between the signal terminal A and the ground terminal C with the hood latch in the open position.
   - **If not between 2080-2545 Ω**

     Replace the B55 Hood Ajar Switch.

   - **If between 2080-2545 Ω**
7. Test for 658-806 Ω between the signal terminal B and the ground terminal C with the hood latch in the

cardiagn.com

open position.

- **If not between 658-806 Ω**

  Replace the B55 Hood Ajar Switch.

- **If between 658-806 Ω**

8. All OK.

Repair Instructions

Perform the **Diagnostic Repair Verification** after completing the repair.

- **Hood Primary and Secondary Latch Replacement**
- **Control Module References** for body control module replacement, programming, and setup.

REPAIR INSTRUCTIONS

FRONT END UPPER TIE BAR SUPPORT REPLACEMENT

Removal Procedure

1. Front End Sheet Metal Diagonal Brace - Reposition - **Front End Sheet Metal Diagonal Brace Replacement**
2. Front Bumper Shutter - Remove - **Front Bumper Shutter Replacement**
3. Air Cleaner Assembly - Remove - **Air Cleaner Assembly Replacement**
4. Hood Primary and Secondary Latch - Remove - **Hood Primary and Secondary Latch Replacement**

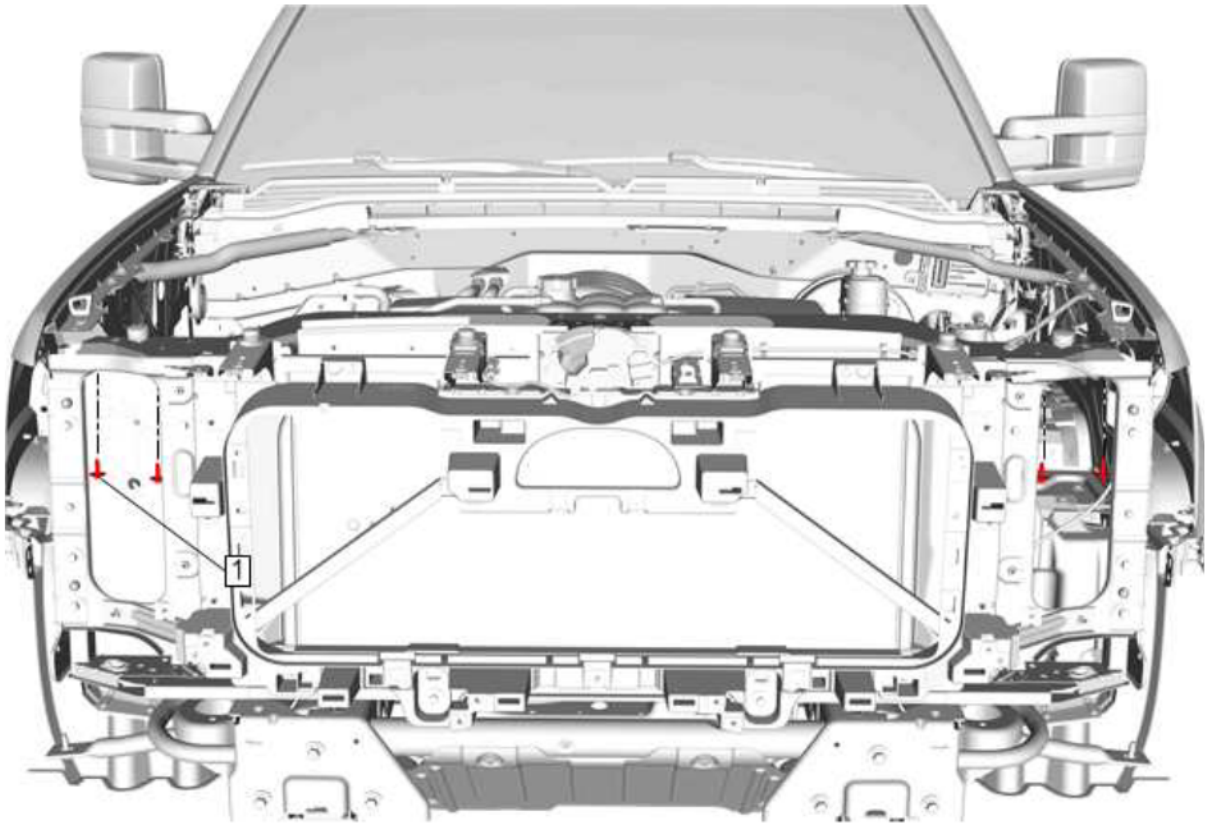


Fig. 2: Front End Upper Tie Bar Bolt

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

5. Front End Upper Tie Bar Bolt (1) - Remove

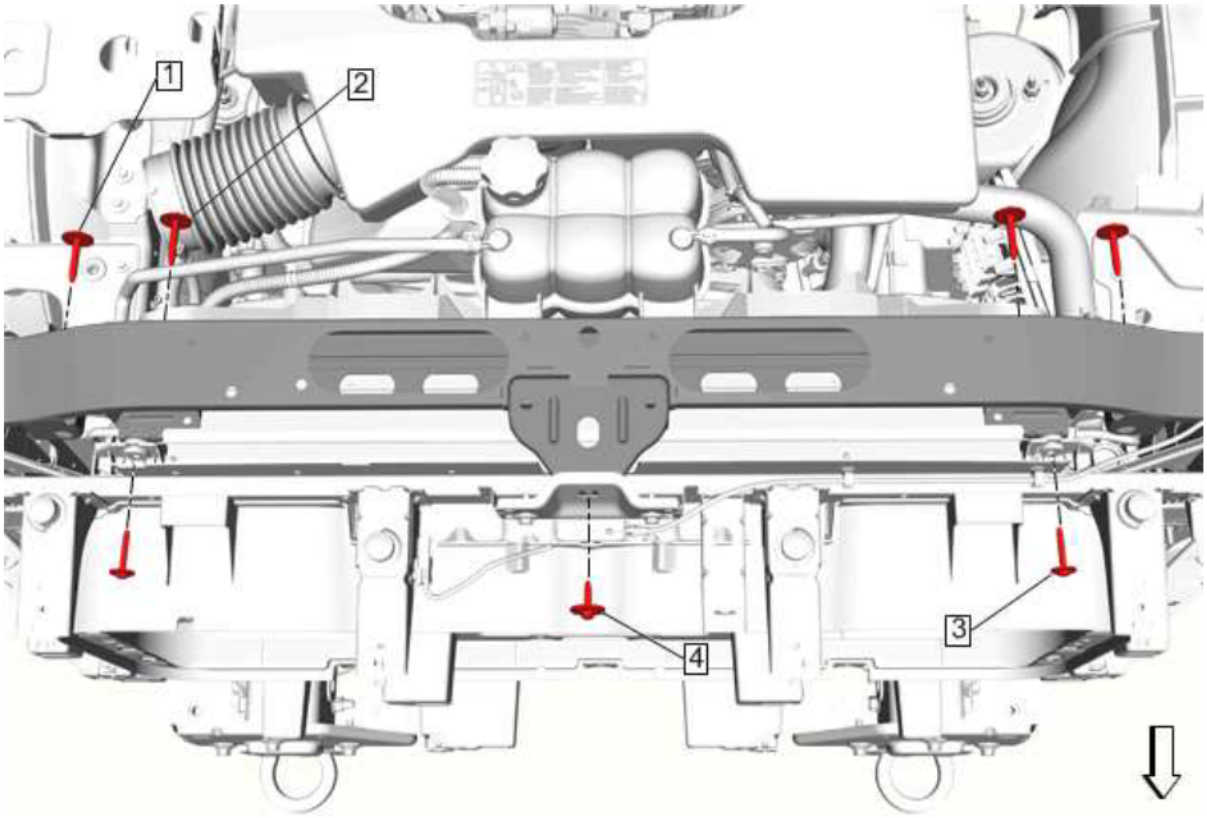


Fig. 3: Retainer Bolts
Courtesy of GENERAL MOTORS COMPANY

6. Radiator Upper Mount Bracket Bolt 1 - Remove
7. Engine Coolant Fan Bracket Bolt 2 - Remove
8. Air Conditioning Condenser Bracket Bolt (3) - Loosen
9. Headlamp and Front End Fascia Mount Panel Bolt (4) - Remove
10. Windshield Washer Solvent ContainerRemove - **Windshield Washer Solvent Container Replacement (LD)** **Windshield Washer Solvent Container Replacement (Diesel)** **Windshield Washer Solvent Container Replacement (HD)**

cardiagn.com

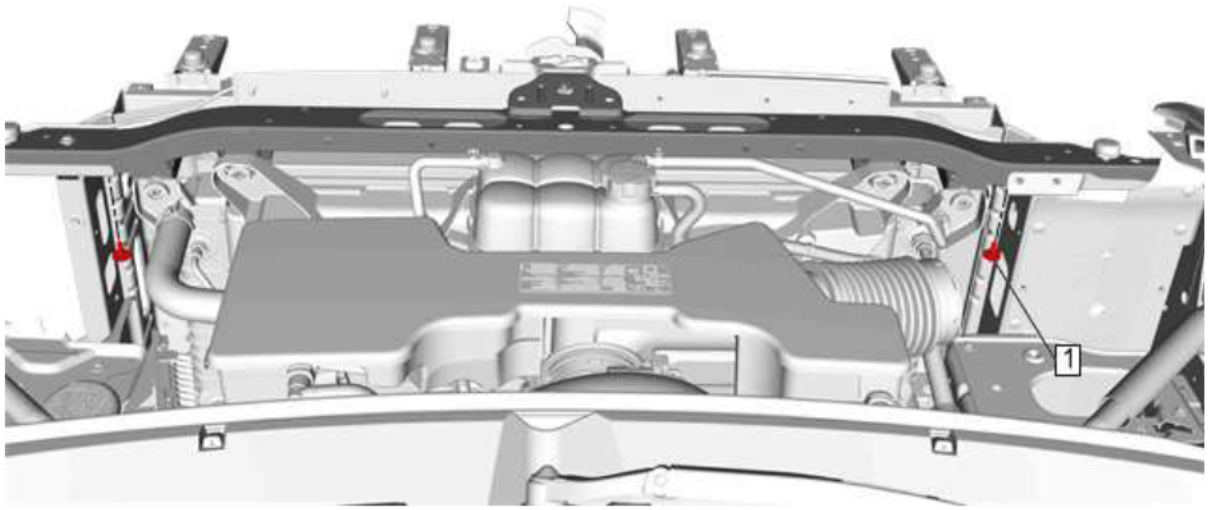


Fig. 4: Front End Upper Tie Bar Bolt
Courtesy of GENERAL MOTORS COMPANY

11. Front End Upper Tie Bar Bolt 1 - Remove

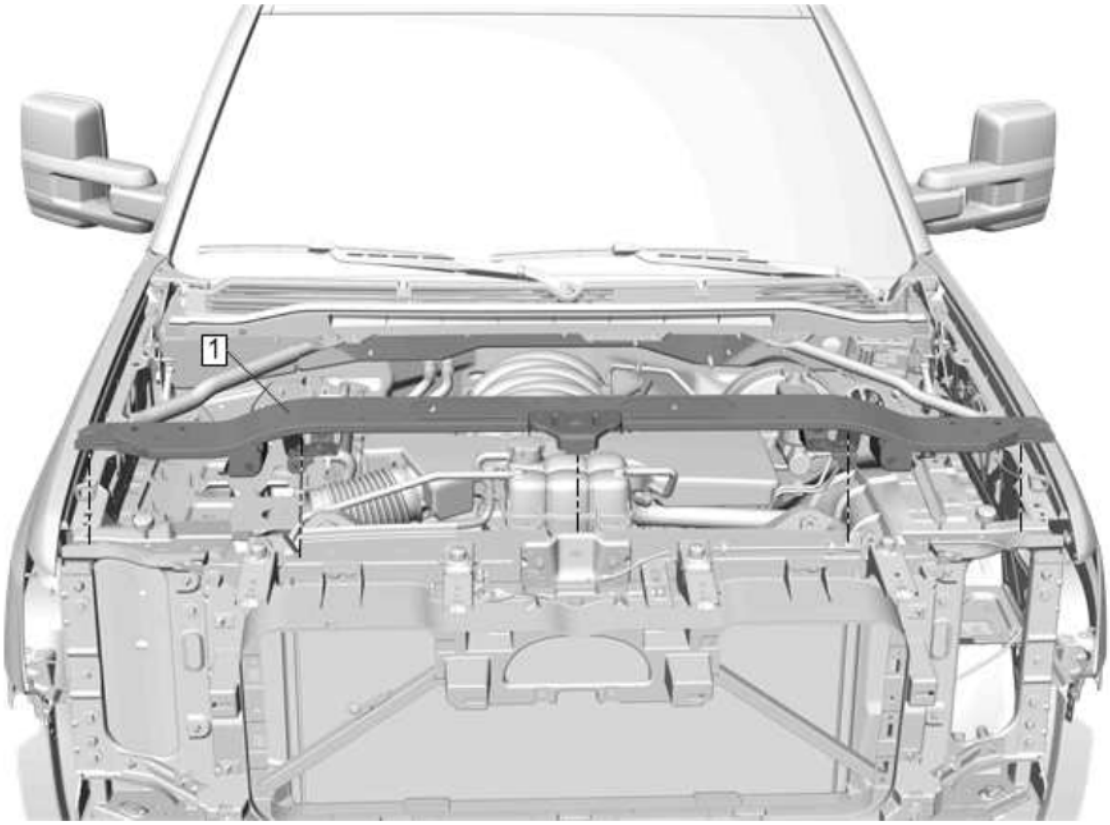


Fig. 5: Front End Upper Tie Bar

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

12. Front End Upper Tie Bar 1 - Remove

Installation Procedure

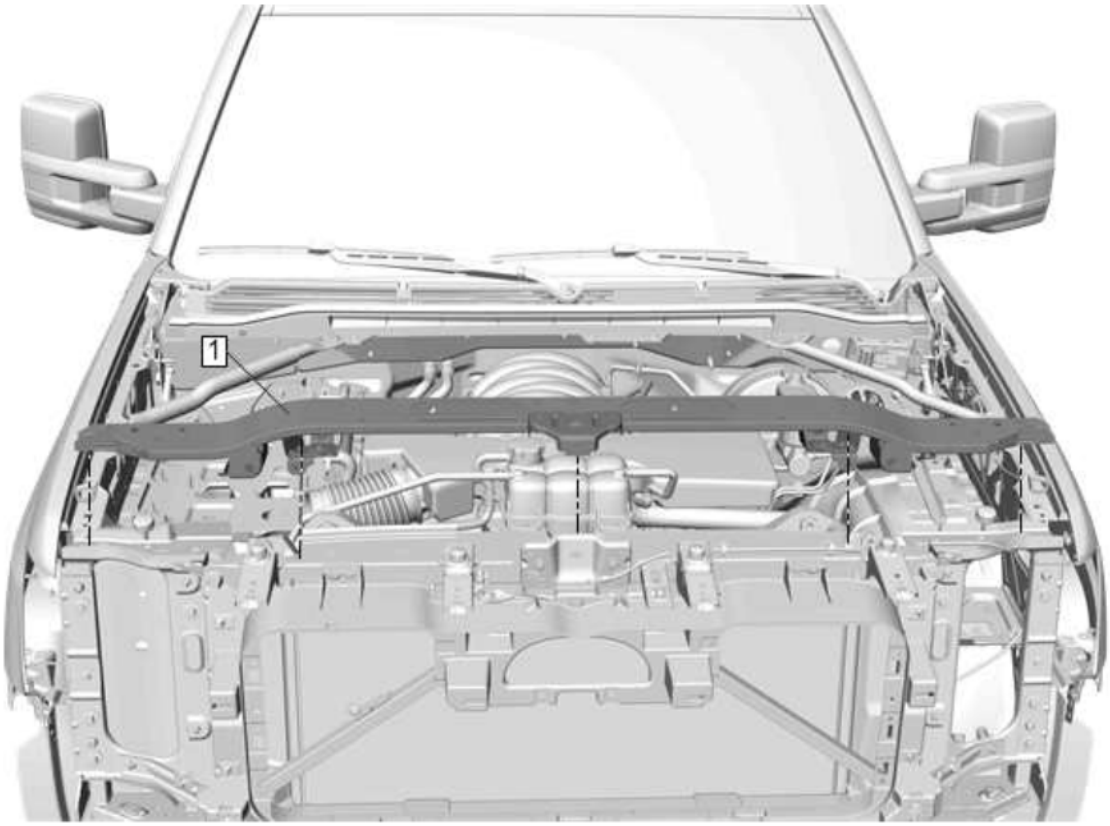


Fig. 6: Front End Upper Tie Bar
Courtesy of GENERAL MOTORS COMPANY

1. Front End Upper Tie Bar 1 - Install

cardiagn.com

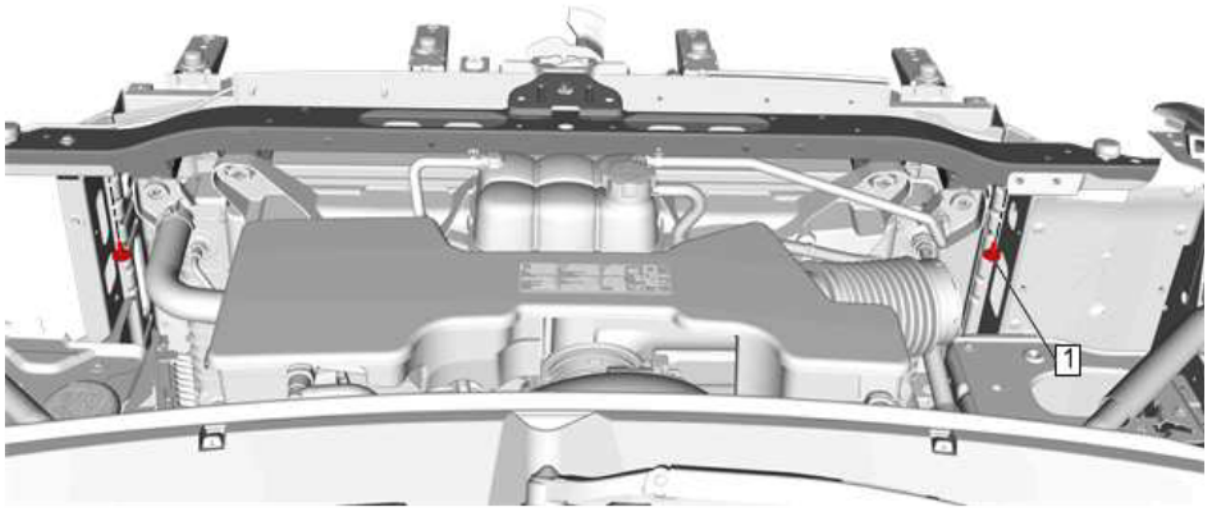


Fig. 7: Front End Upper Tie Bar Bolt
Courtesy of GENERAL MOTORS COMPANY

CAUTION: **Refer to Fastener Caution .**

2. Front End Upper Tie Bar Bolt 1 - Install and tighten 9 N.m (80 lb in)
3. Windshield Washer Solvent ContainerInstall - **Windshield Washer Solvent Container Replacement (LD)** **Windshield Washer Solvent Container Replacement (Diesel)** **Windshield Washer Solvent Container Replacement (HD)**

cardiagn.com

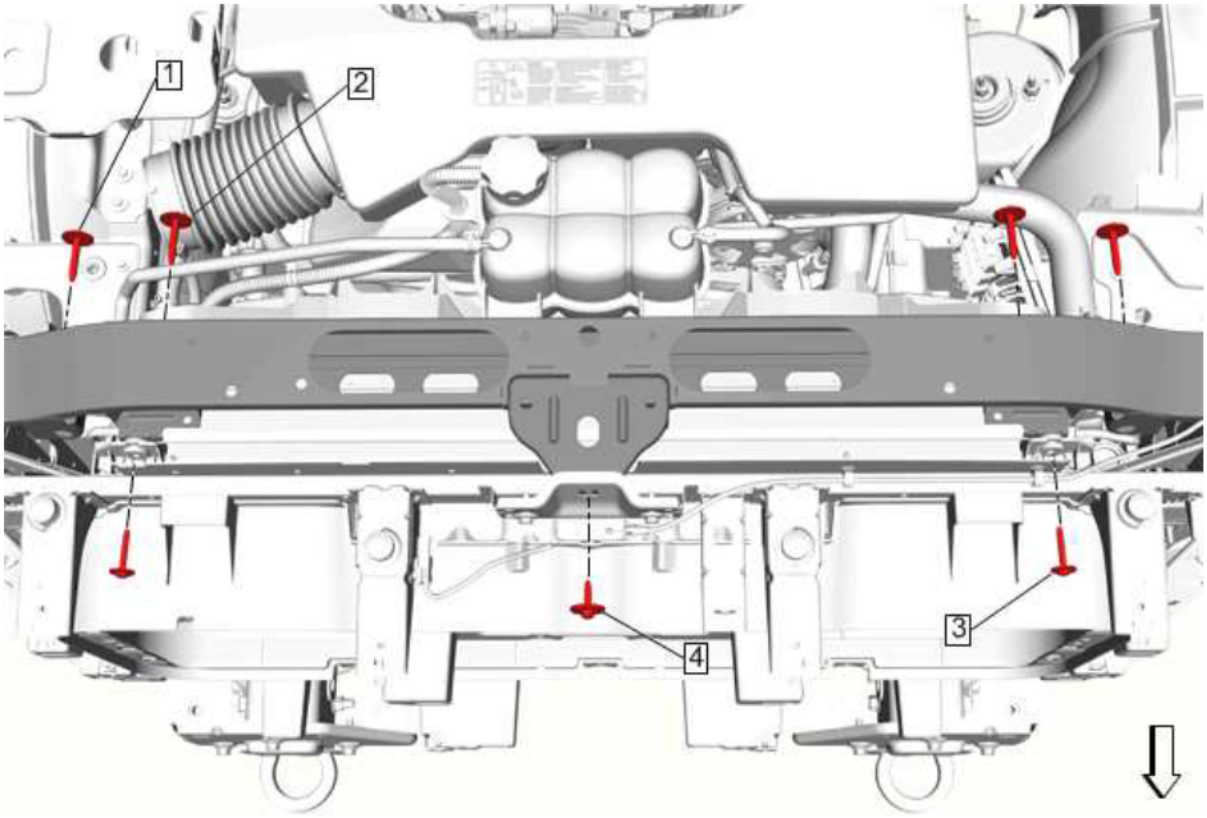


Fig. 8: Retainer Bolts
Courtesy of GENERAL MOTORS COMPANY

4. Headlamp and Front End Fascia Mount Panel Bolt (4) - Install and tighten 25 N.m (18 lb ft)
5. Air Conditioning Condenser Bracket Bolt (3) - Tighten 9 N.m (80 lb in)
6. Engine Coolant Fan Bracket Bolt (2) - Install and tighten 25 N.m (18 lb ft)
7. Radiator Upper Mount Bracket Bolt (1) - Install and tighten 25 N.m (18 lb ft)

cardiagn.com

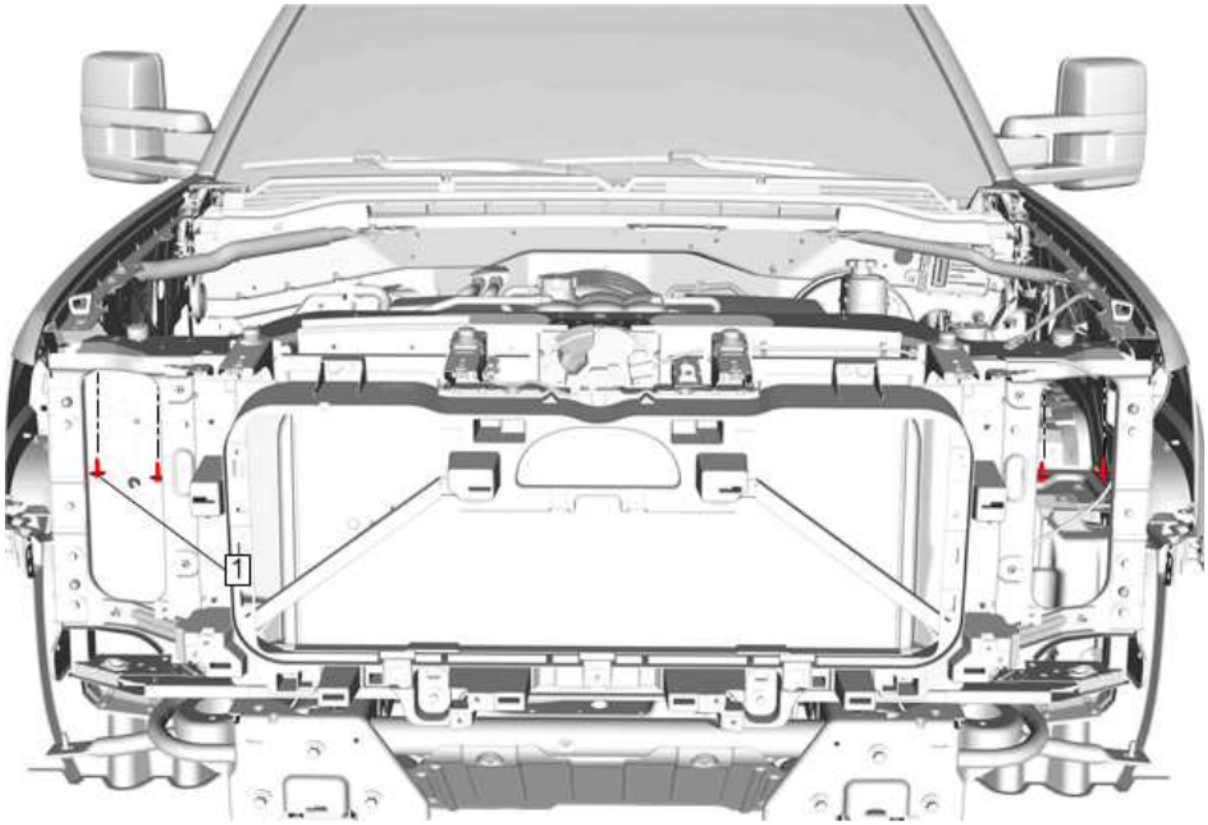


Fig. 9: Front End Upper Tie Bar Bolt
Courtesy of GENERAL MOTORS COMPANY

8. Front End Upper Tie Bar Bolt (1) - Install and tighten 9 N.m (80 lb in)
9. Hood Primary and Secondary Latch - Install - **Hood Primary and Secondary Latch Replacement**
10. Air Cleaner Assembly - Install - **Air Cleaner Assembly Replacement**
11. Front Bumper Shutter - Install - **Front Bumper Shutter Replacement**
12. Front End Sheet Metal Diagonal Brace - Install - **Front End Sheet Metal Diagonal Brace Replacement**

PICKUP BOX ENDGATE REPLACEMENT

cardiagn.com

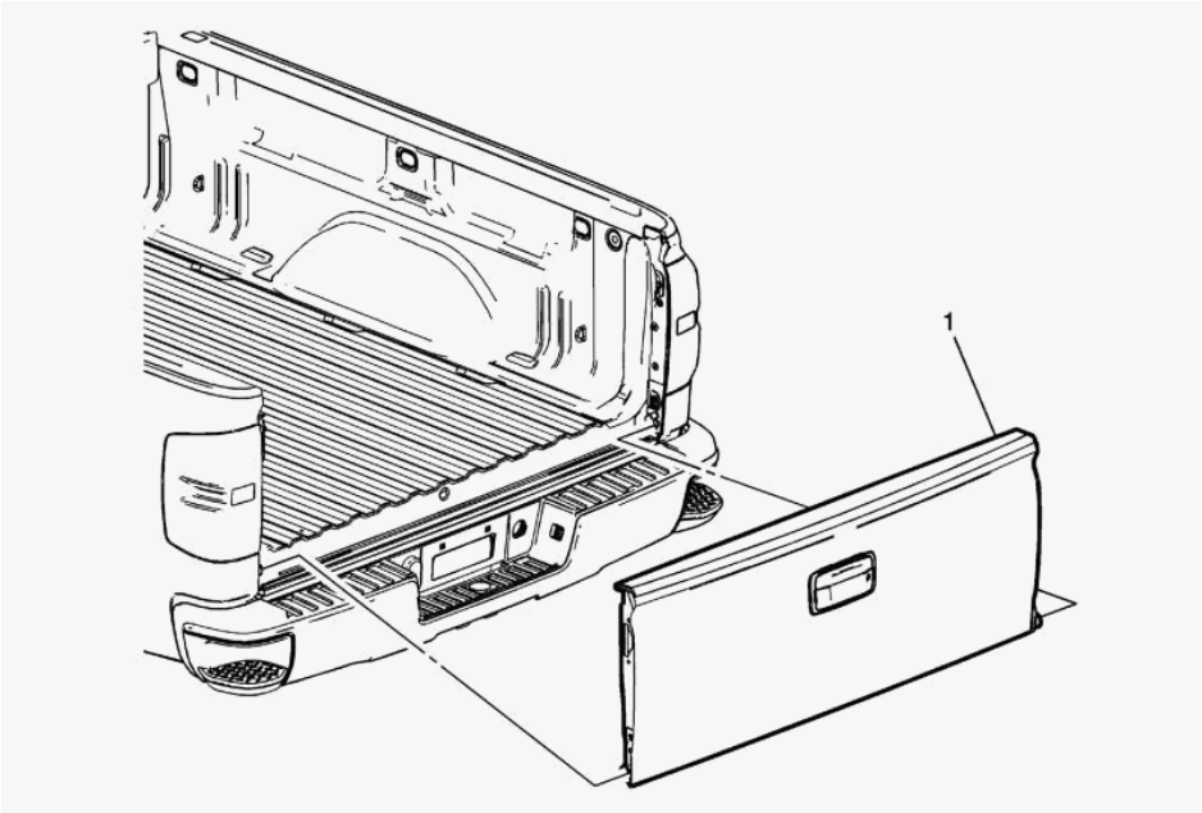


Fig. 10: Pickup Box Endgate
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Disconnect the electrical connector for the rearview camera, if equipped. 2. Disconnect the endgate support cable by raising the endgate slightly and release both retaining cable clips. To release the retaining cable clips, lift the cable so it points straight out. Lift the clip over the bolt, and push the cable forward then rotate down.	
1	Pickup Box Endgate **NOTE:** • **With the aid of an assistant, position the endgate about halfway open, lift the right edge of the tailgate**

cardiagn.com

Callout	Component Name
	from the lower pivot. • On vehicles with the endgate assist feature, raise the endgate nearly all the way to the closed position prior to removing the left edge.

PICKUP BOX ENDGATE DAMPENER REPLACEMENT

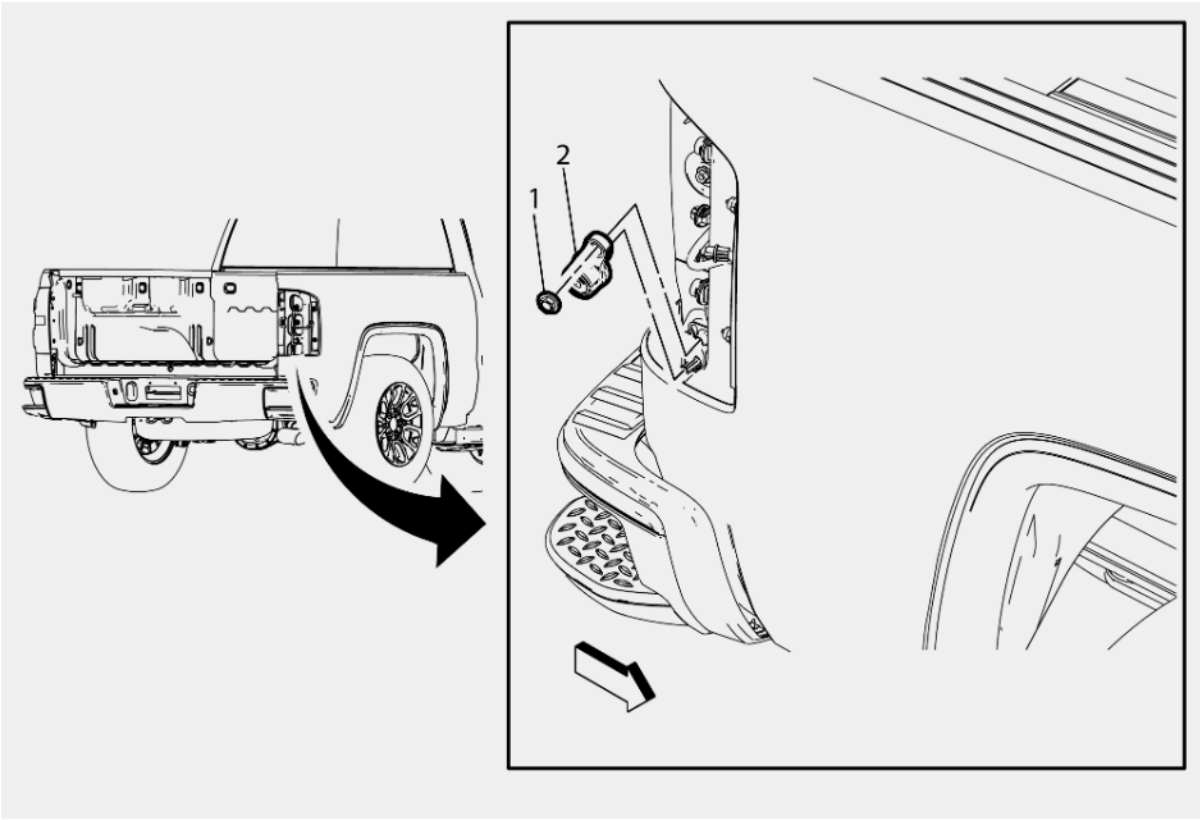


Fig. 11: Pickup Box Endgate Dampener
Courtesy of GENERAL MOTORS COMPANY

cardiagn.com

Callout	Component Name
Preliminary Procedure Remove the rear tail lamp. Refer to **Tail Lamp Replacement (Chevrolet 1500, 2500, 3500 without GAJ)** **Tail Lamp Replacement (GMC 1500, 2500, 3500 without GAT or GFW)** **Tail Lamp Replacement (GMC 1500 with GAT or GFW)** **Tail Lamp Replacement (Chevrolet 1500 with GAJ)**	
1	Pickup Box Endgate Dampener Nut **CAUTION:** **Refer to** **Fastener Caution** . **Tighten** 25 N.m (18 lb ft)
2	Pickup Box Endgate Dampener **Procedure** Slide the pickup box endgate damper off the bolt and shaft of the endgate lower hinge.

PICKUP BOX ENDGATE ACCESS HOLE COVER PANEL REPLACEMENT

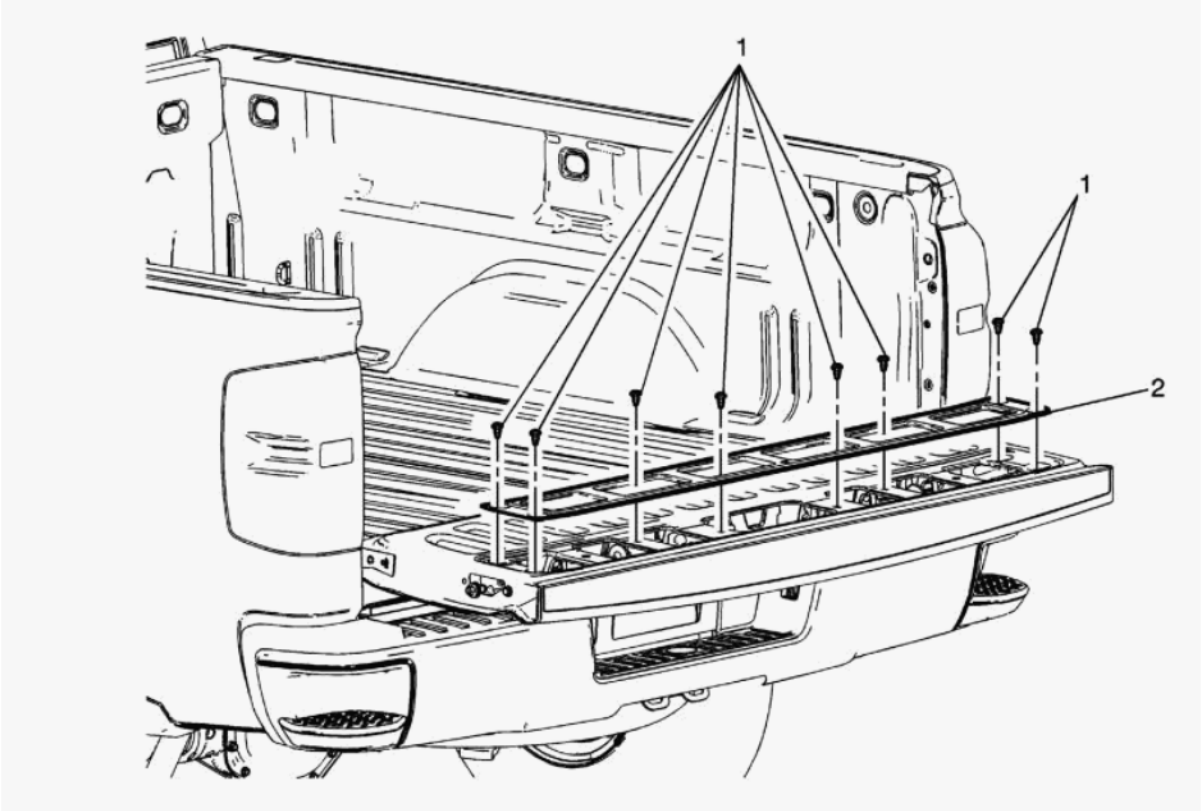


Fig. 12: Pickup Box Endgate Access Hole Cover Panel
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures	

cardiagn.com

Callout	Component Name
1. Open the endgate to the fully open position.	
1	Pickup Box Endgate Access Hole Cover Panel Bolt (Qty 8) **CAUTION:** **Refer to** Fastener Caution . **Tighten** 2.5 N.m (22 lb in)
2	Pickup Box Endgate Access Hole Cover Panel

PICKUP BOX REPLACEMENT (LONG BOX)

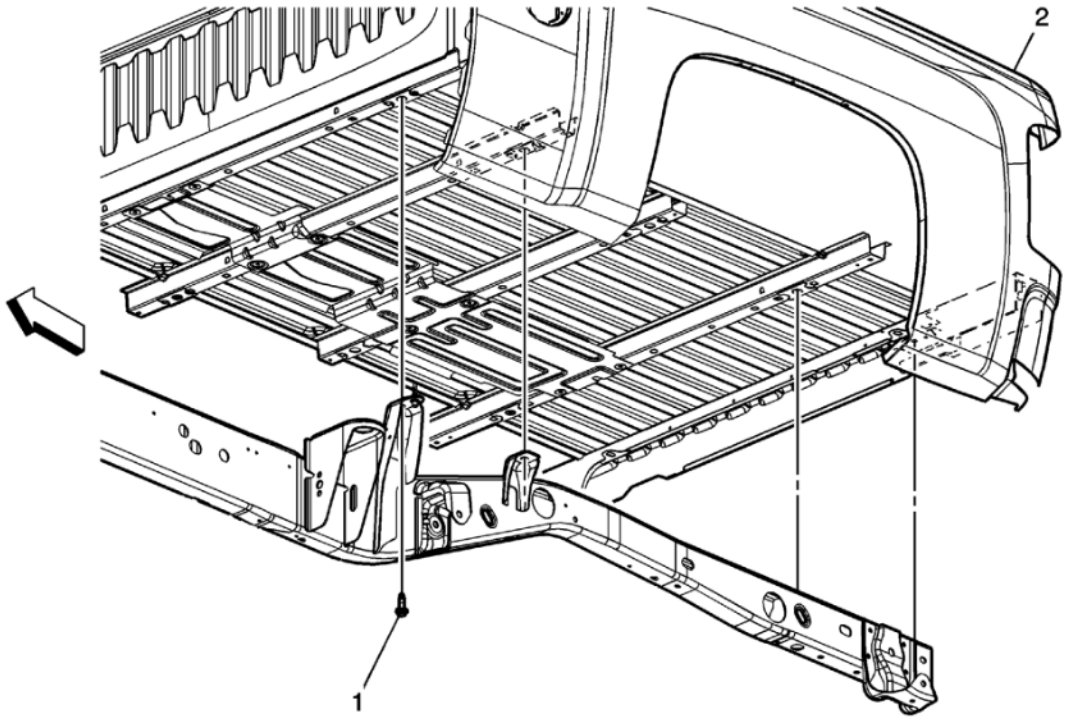


Fig. 13: View Of Pickup Box & Bolts
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Loosen the fuel tank filler pipe housing from the pickup box. Refer to **Fuel Tank Filler Pipe Housing Replacement**. 2. Remove the pickup box endgate. Refer to **Pickup Box Endgate Replacement**. 3. Remove the tail lamps. Refer to **Tail Lamp Replacement (Chevrolet 1500, 2500, 3500 without**	

cardiagn.com

Callout	Component Name
	GAJ) Tail Lamp Replacement (GMC 1500, 2500, 3500 without GAT or GFW) Tail Lamp Replacement (GMC 1500 with GAT or GFW) Tail Lamp Replacement (Chevrolet 1500 with GAJ) . 4. Disconnect all electrical connectors and wiring harnesses from the pickup box.
1	Pickup Box Bolt (Qty: 8) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 85 N.m (63 lb ft)
2	Pickup Box **NOTE:** • **Use help as needed to remove the pickup box.** • **Use the alignment pins on the frame of the vehicle to help reinstall the pickup box.** • **Transfer any parts as needed if replacing the pickup box.**

PICKUP BOX REPLACEMENT (STANDARD BOX)

cardiagn.com

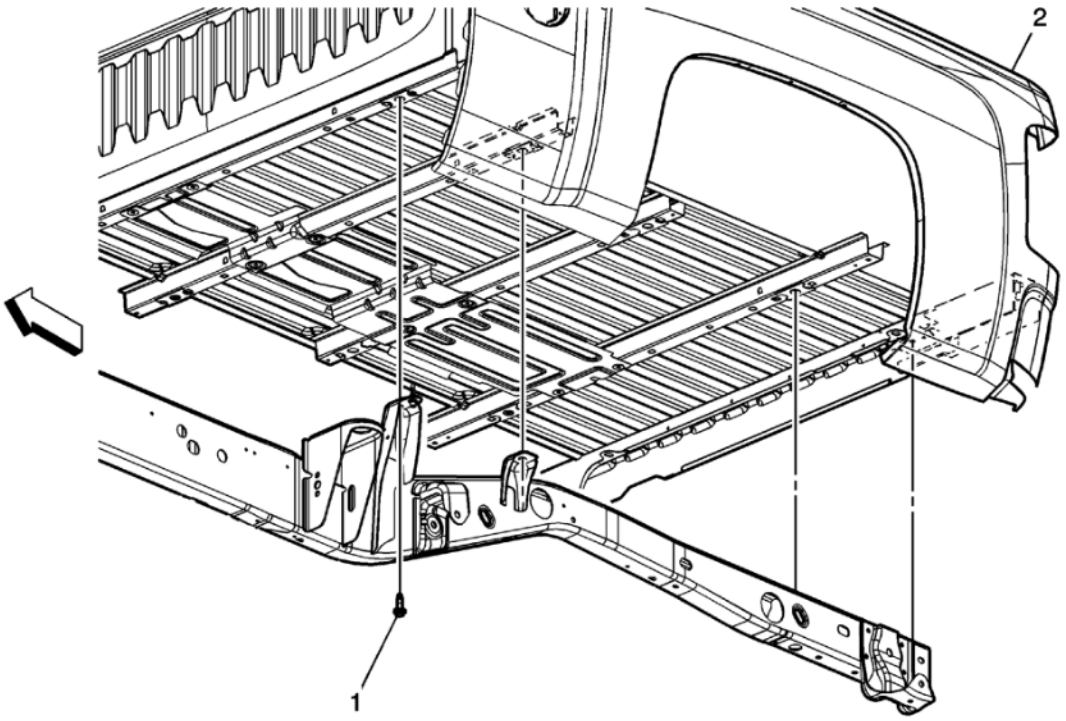


Fig. 14: Pickup Box (Standard Box)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Loosen the fuel tank filler pipe housing from the pickup box. Refer to **Fuel Tank Filler Pipe Housing Replacement**. 2. Remove the pickup box endgate. Refer to **Pickup Box Endgate Replacement**. 3. Remove the tail lamps. Refer to **Tail Lamp Replacement (Chevrolet 1500, 2500, 3500 without GAJ)** **Tail Lamp Replacement (GMC 1500, 2500, 3500 without GAT or GFW)** **Tail Lamp Replacement (GMC 1500 with GAT or GFW)** **Tail Lamp Replacement (Chevrolet 1500 with GAJ)** . 4. Disconnect all electrical connectors and wiring harnesses from the pickup box.	
1	Pickup Box Bolt (Qty: 6) **CAUTION:** **Refer to** **Fastener Caution** . **Tighten** 85 N.m (63 lb ft)

cardiagn.com

Callout	Component Name
2	Pickup Box **NOTE:** • **Use help as needed to remove the pickup box.** • **Use the alignment pins on the frame of the vehicle to help reinstall the pickup box.** • **Transfer any parts as needed if replacing the pickup box.**

PICKUP BOX BRACKET REPLACEMENT

cardiagn.com

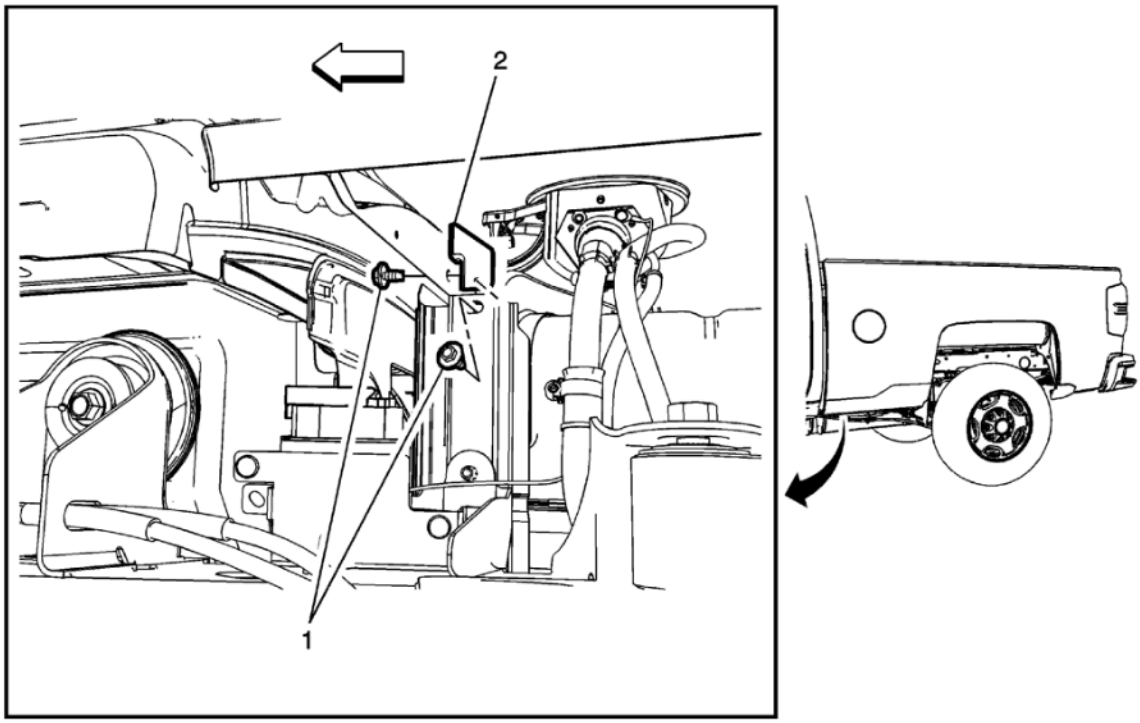


Fig. 15: Pickup Box Bracket
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Raise and support the vehicle. Refer to **Lifting and Jacking the Vehicle**	
1	Pickup Box Bracket Bolt (Qty 2) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 25 N.m (18 lb ft)
2	Pickup Box Bracket

FRONT END SHEET METAL DIAGONAL BRACE REPLACEMENT

cardiagn.com

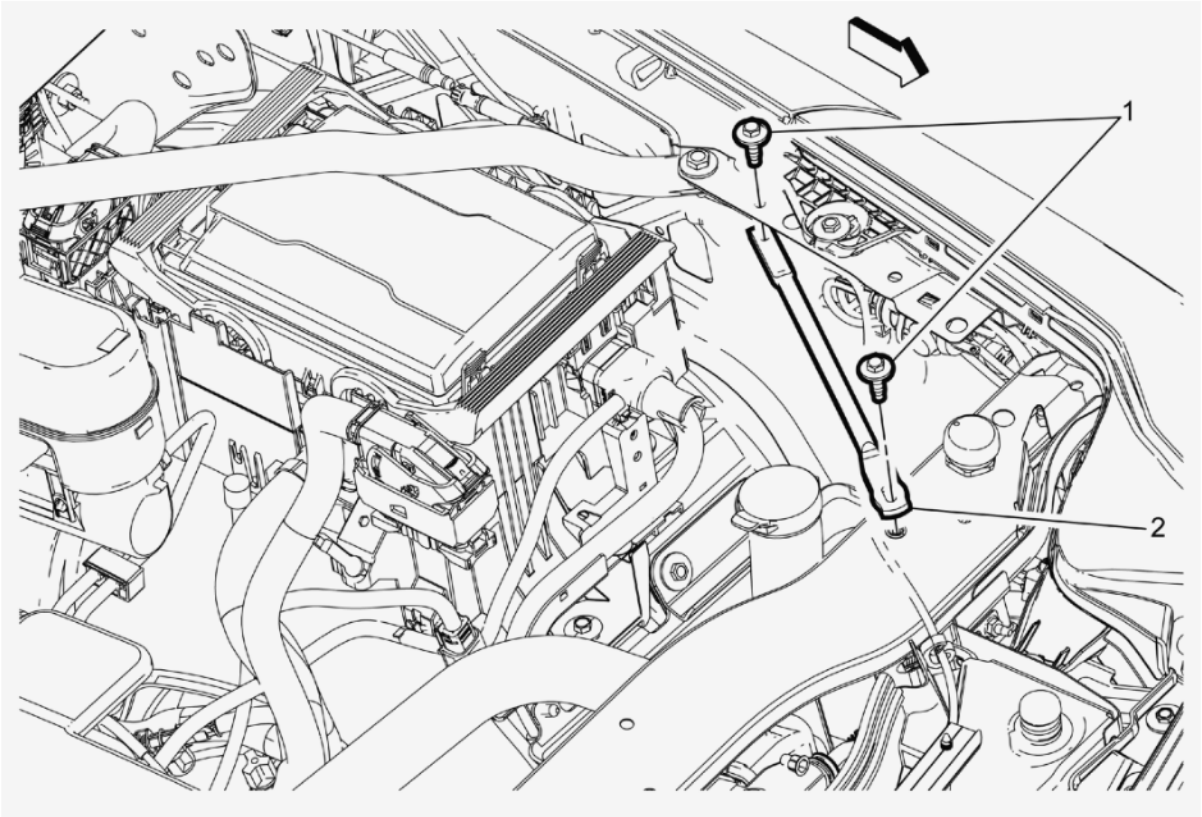


Fig. 16: Front End Sheet Metal Diagonal Brace
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Remove the front compartment front sight shield. Refer to **Front Compartment Front Sight Shield Replacement**	
1	Front End Sheet Metal Diagonal Brace Bolt (Qty: 2) **CAUTION:** **Refer to** **Fastener Caution** . **Tighten** 9 N.m (80 lb in)
2	Front End Sheet Metal Diagonal Brace

FRONT FENDER UPPER BRACKET REPLACEMENT (U73)

cardiagn.com

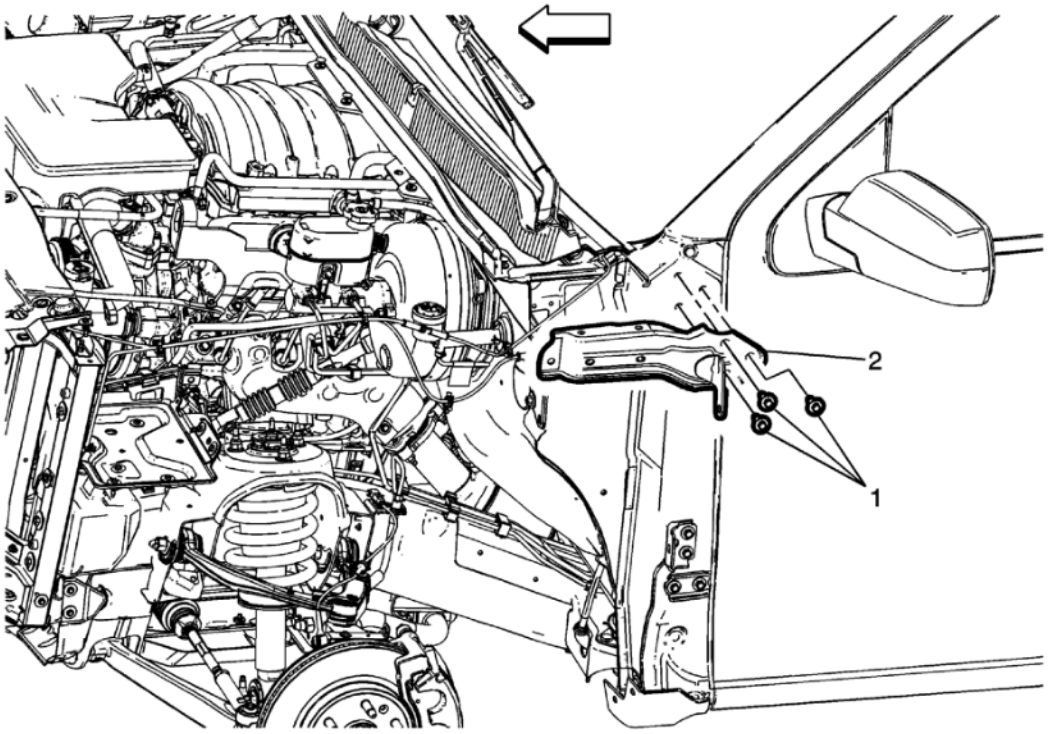


Fig. 17: Front Fender Upper Bracket (U73)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Remove the front fender. Refer to **Front Fender Replacement - Left Side**, or **Front Fender Replacement - Right Side**. 2. Remove the Air Inlet Grille Panel Extension Refer to **Air Inlet Grille Panel Extension Replacement (Right Side)** **Air Inlet Grille Panel Extension Replacement (Left Side)**	
1	Front Fender Upper Bracket Bolt (Qty: 3) **CAUTION:** **Refer to Fastener Caution .** **NOTE:** **The bolts are also used to adjust the hood and fender by accessing them through the**

cardiagn.com

Callout	Component Name
	open side door. For Right hand side bolts they have a special conductive coating and are not to be painted. **Tighten** 25 N.m (18 lb ft)
2	Front Fender Upper Bracket **NOTE:** **The Right Hand Upper Fender Bracket is a ground for the antenna and has a special conductive coating. This bracket should not be painted and also uses special bolts that have a similar conductive coating.**

FRONT FENDER UPPER BRACKET REPLACEMENT (U77, US3)

cardiagn.com

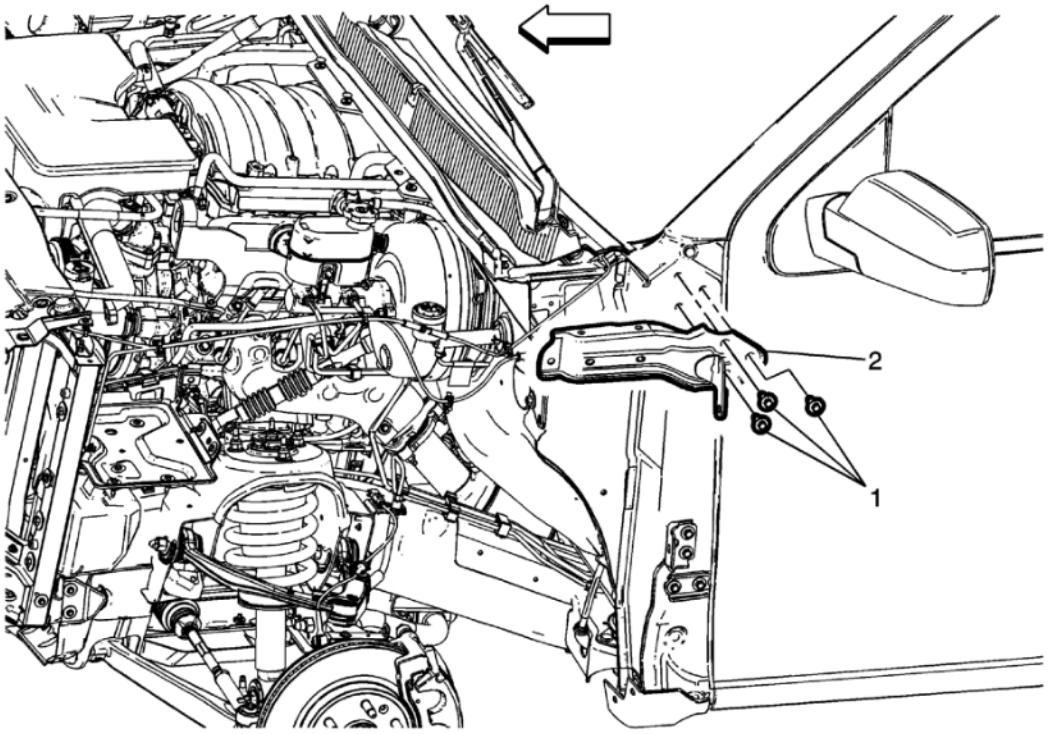


Fig. 18: Front Fender Upper Bracket (U77, US3)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Remove the front fender. Refer to **Front Fender Replacement - Left Side**, or **Front Fender Replacement - Right Side**. 2. Remove the Air Inlet Grille Panel Extension Refer to **Air Inlet Grille Panel Extension Replacement (Right Side)** **Air Inlet Grille Panel Extension Replacement (Left Side)**	
1	Front Fender Upper Bracket Bolt (Qty: 3) **CAUTION:** **Refer to Fastener Caution .** **NOTE:** **The bolts are also used to adjust the hood and fender by accessing them through the**

cardiagn.com

Callout	Component Name
	open side door. **Tighten** 25 N.m (18 lb ft)
2	Front Fender Upper Bracket

FRONT FENDER REAR UPPER BRACE REPLACEMENT (LV3, L96, LC8, LL83, L8B, L86)

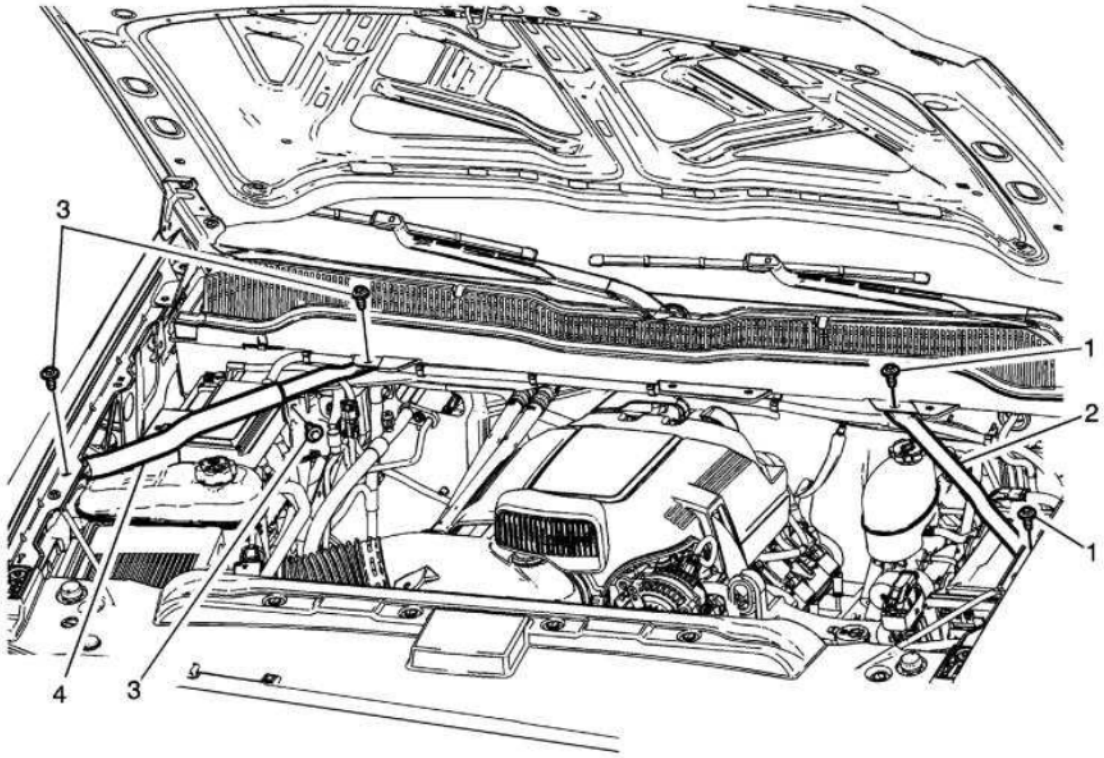


Fig. 19: Front Fender Rear Upper Brace (LV3, L96, LC8, lL83, L8B, L86)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Hood Side Weatherstrip Replacement (2500, 3500)	
1	Front Fender Rear Upper Brace Bolt (Qty: 2) **CAUTION:** **Refer to** **Fastener Caution** . **Tighten** 25 N.m (18 lb ft)

cardiagn.com

Callout	Component Name
2	Front Fender Rear Upper Brace Left Hand **NOTE:** **Each brace is removed independently from each other.**
3	Front Fender Rear Upper Brace Bolt (Qty: 3) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 25 N.m (18 lb ft)
4	Front Fender Rear Upper Brace Right Hand **NOTE:** **Each brace is removed independently from each other.**

FRONT FENDER REAR UPPER BRACE REPLACEMENT (L5P)

cardiagn.com

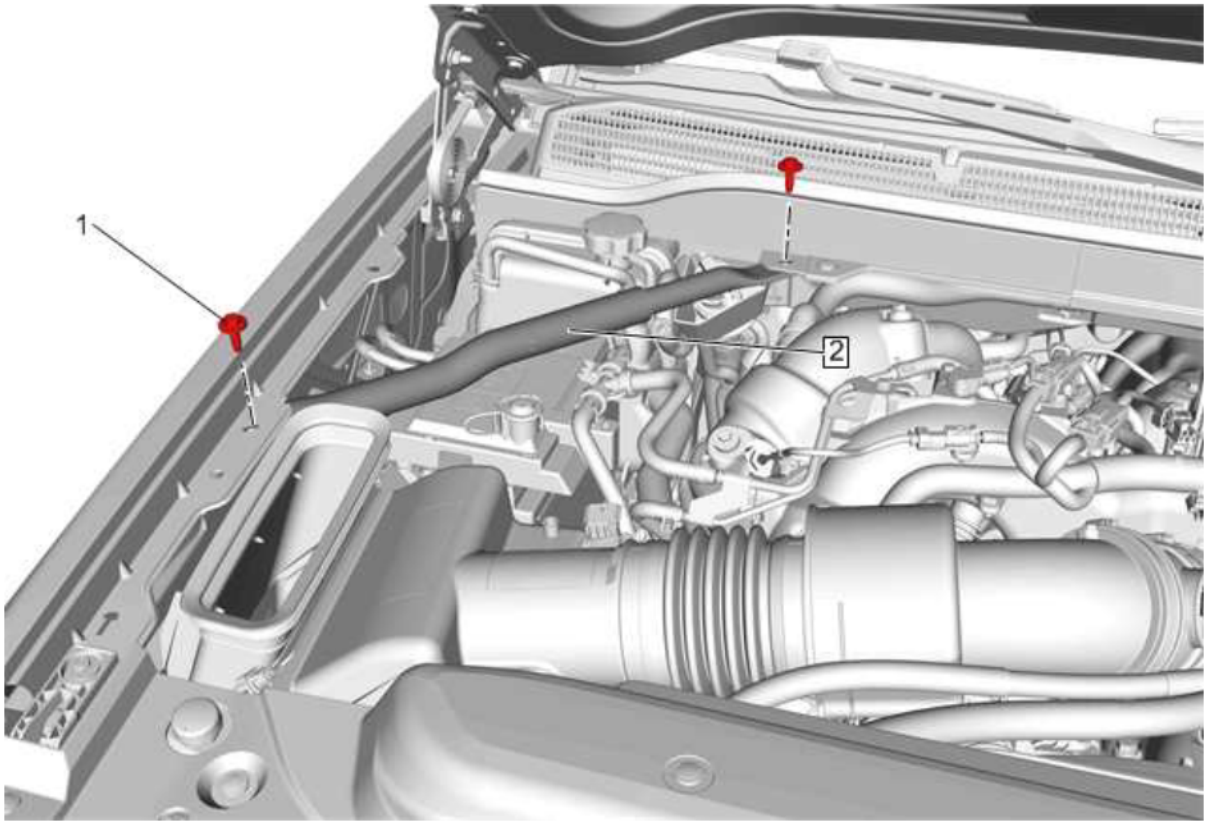


Fig. 20: Front Fender Rear Upper Brace (L5P)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure **Hood Side Weatherstrip Replacement (2500, 3500)**	
1	Front Fender Rear Upper Brace Bolt **CAUTION:** **Refer to** **Fastener Caution** . **Tighten** 25 N.m (18 lb ft)
2	Front Fender Rear Upper Brace

HOOD SIDE BUMPER REPLACEMENT

cardiagn.com

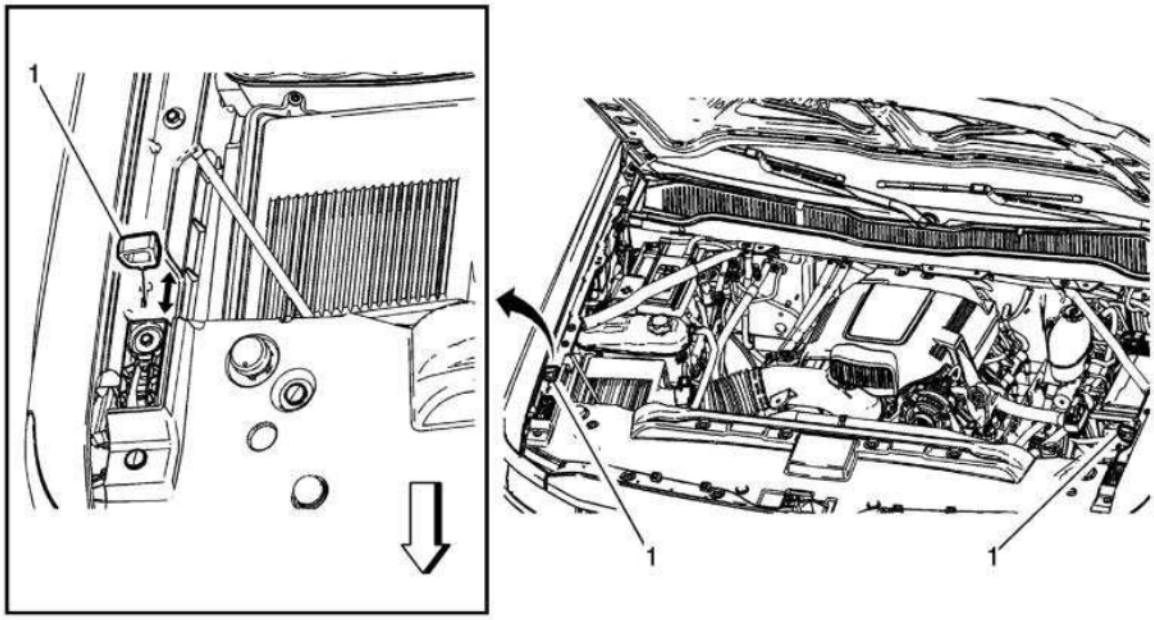


Fig. 21: Hood Side Bumper
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood Bumper (Qty: 2) **Procedure** Remove the hood side bumper from the fender by sliding the bumper rearward.

HOOD PRIMARY LATCH RELEASE CABLE REPLACEMENT

cardiagn.com

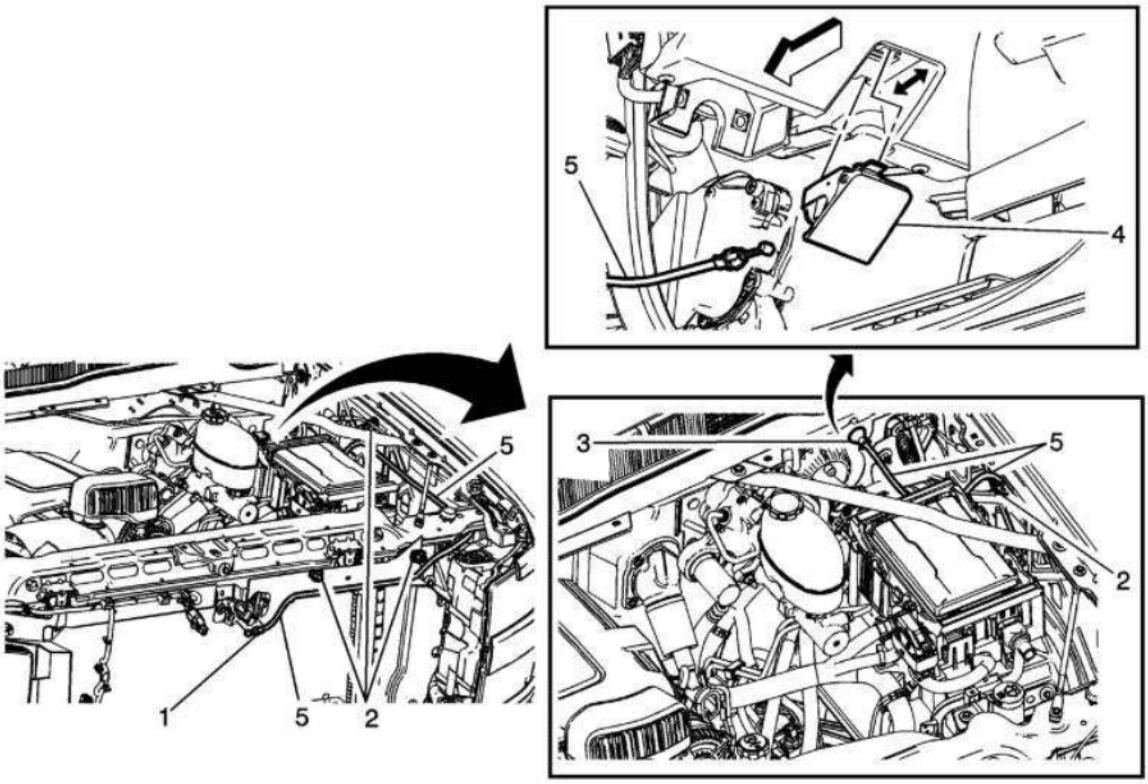


Fig. 22: Hood Primary Latch Release Cable
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Remove the front compartment front sight shield. Refer to **Front Compartment Front Sight Shield Replacement**.	
1	Hood Primary Latch Cable **Procedure** Disconnect the hood primary latch release cable from the primary hood latch.
2	Hood Primary Latch Release Cable Retainer (Qty: 2) **Procedure** Disconnect the hood release cable retainers from the hood release cable.
3	Hood Primary Latch Release Cable Grommet
4	Hood Primary Latch Release Cable Handle **Procedure** Disconnect the hood primary latch release cable handle from the hood latch cable.
5	Hood Primary Latch Release Cable **Procedure** 1. Attach mechanics wire to the cable and pull the cable out. 2. Attach mechanics wire to the new cable and guide in.

FRONT SIDE DOOR WINDOW GARNISH MOLDING REPLACEMENT (CREW CAB, EXTENDED CAB)

cardiagn.com

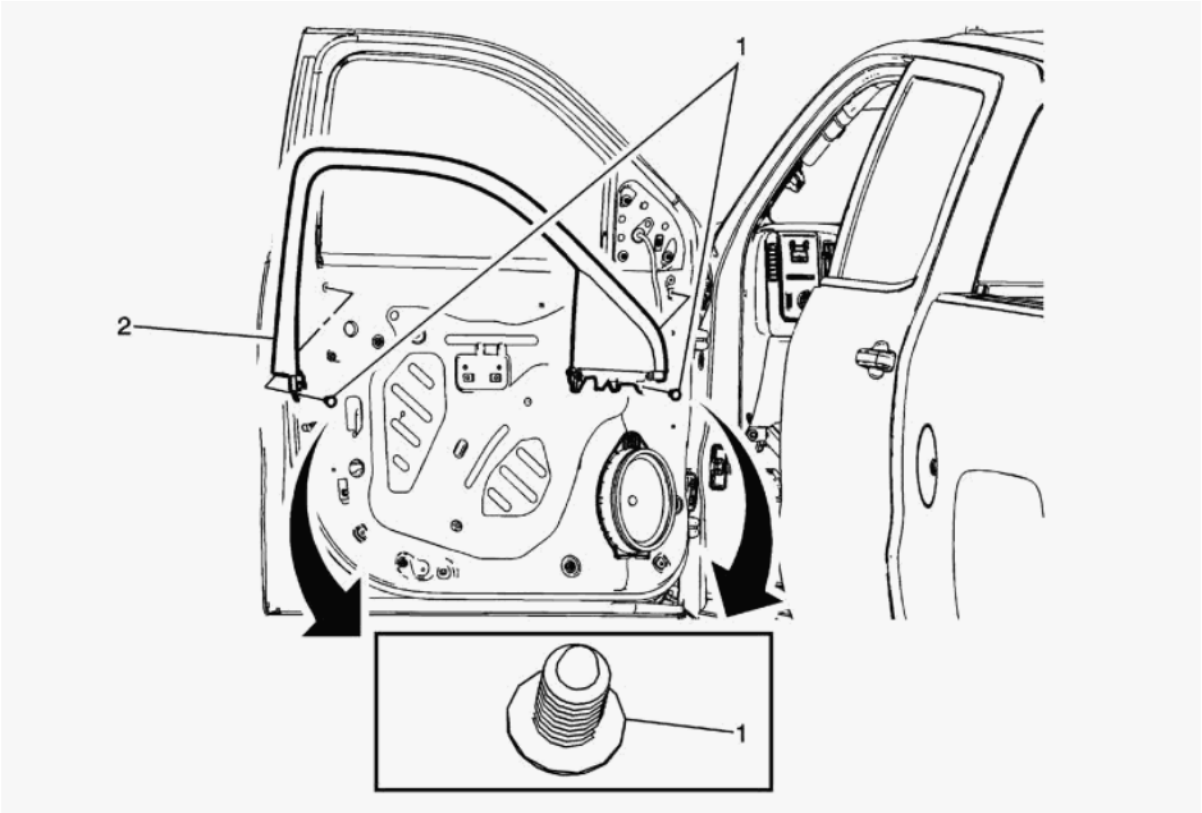


Fig. 23: Front Side Door Window Garnish Molding (Crew Cab, Extended Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Side Door Window Garnish Molding Clip (Qty:2) **Procedure** 1. Open the front side door to the full open position. 2. Remove the front side door trim. Refer to **Front Side Door Trim Replacement (With A31)** **Front Side Door Trim Replacement (Without A31)** . 3. Using the appropriate tool, remove the push-in clips from the door frame.
2	Front Side Door Window Garnish Molding **Procedure** 1. Pull the garnish molding out of the door frame. 2. Ensure that the garnish molding is fully seated in the door frame. **NOTE:** **Inspect the door for proper operation before installing the**

cardiagn.com

Callout	Component Name
	door trim.

FRONT SIDE DOOR WINDOW GARNISH MOLDING REPLACEMENT (REGULAR CAB)

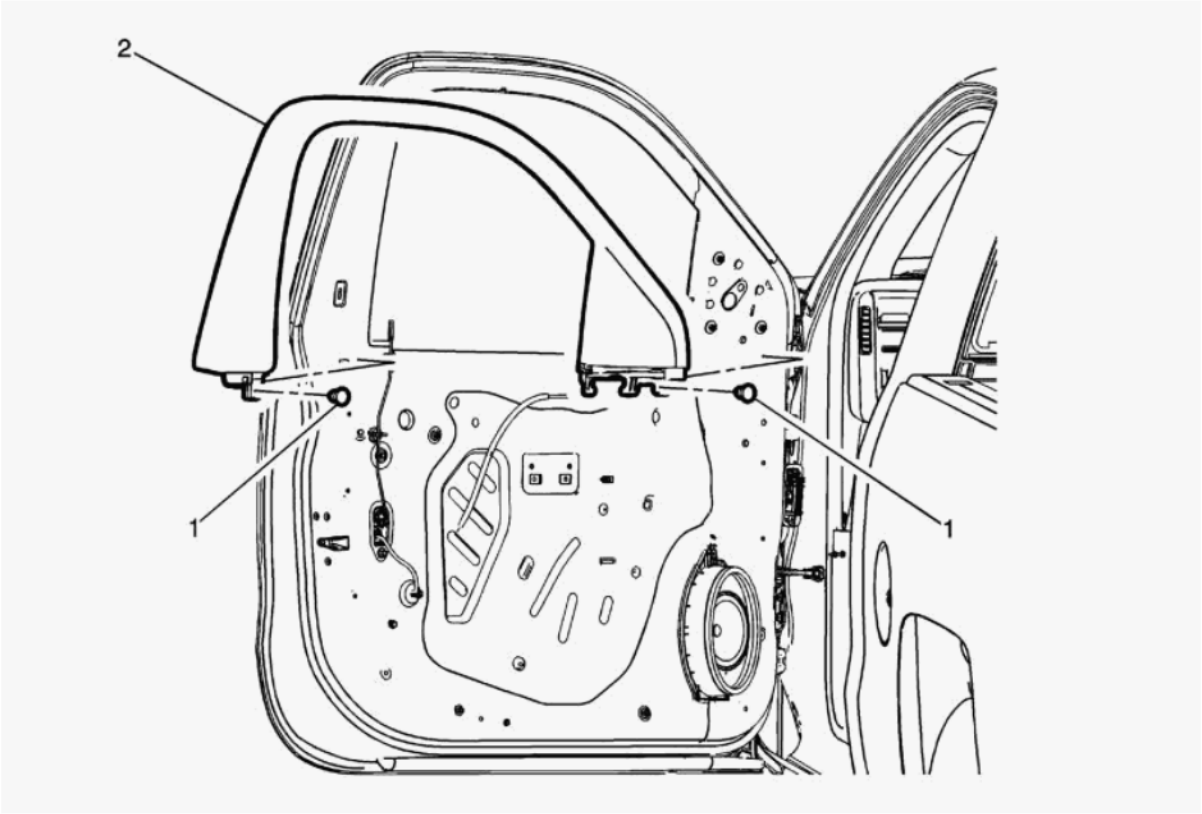


Fig. 24: Front Side Door Window Garnish Molding (Regular Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Side Door Window Garnish Molding Clip (Qty:2) **Procedure** 1. Open the front side door to the full open position. 2. Remove the front side door trim. Refer to **Front Side Door Trim Replacement (With A31)** **Front Side Door Trim Replacement (Without A31)** . 3. Using the appropriate tool, remove the push-in clips from the door frame.
2	Front Side Door Window Garnish Molding **Procedure** 1. Pull the garnish molding out of the door frame. 2. Ensure that the garnish molding is fully seated in the door frame. **NOTE:**

cardiagn.com

Callout	Component Name
	Inspect the door for proper operation before installing the door trim.

REAR SIDE DOOR WINDOW GARNISH MOLDING REPLACEMENT (CREW CAB)

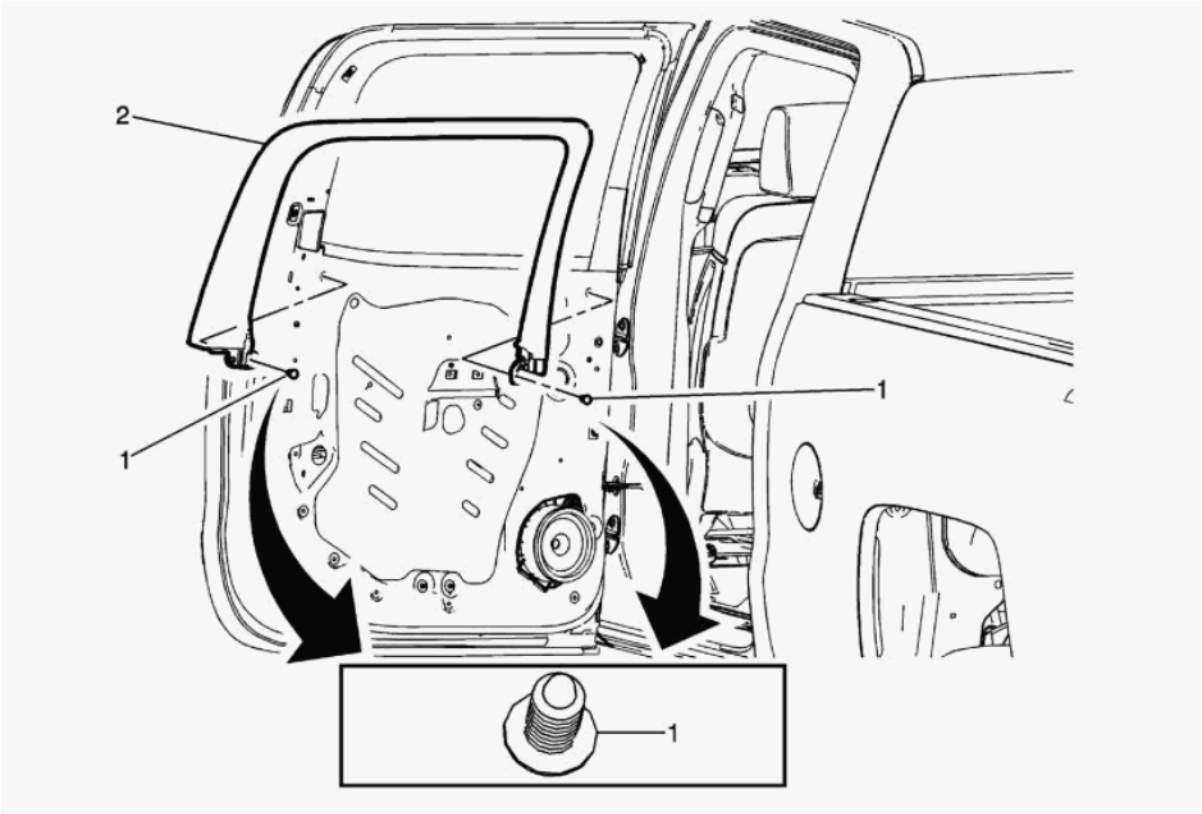


Fig. 25: Rear Side Door Window Garnish Molding (Crew Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Rear Side Door Window Garnish Molding Clip (Qty:2) **Procedure** 1. Open the rear side door to the full open position. 2. Remove the rear side door trim. Refer to **Rear Side Door Trim Panel Replacement (Crew Cab, Extended Cab)** . 3. Using the appropriate tool, remove the push-in clips from the door frame.
2	Rear Side Door Window Garnish Molding **Procedure**

cardiagn.com

Callout	Component Name
	1. Pull the garnish molding out of the door frame. 2. Ensure that the garnish molding is fully seated in the door frame. **NOTE:** **Inspect the door for proper operation before installing the door trim.**

REAR SIDE DOOR WINDOW GARNISH MOLDING REPLACEMENT (EXTENDED CAB)

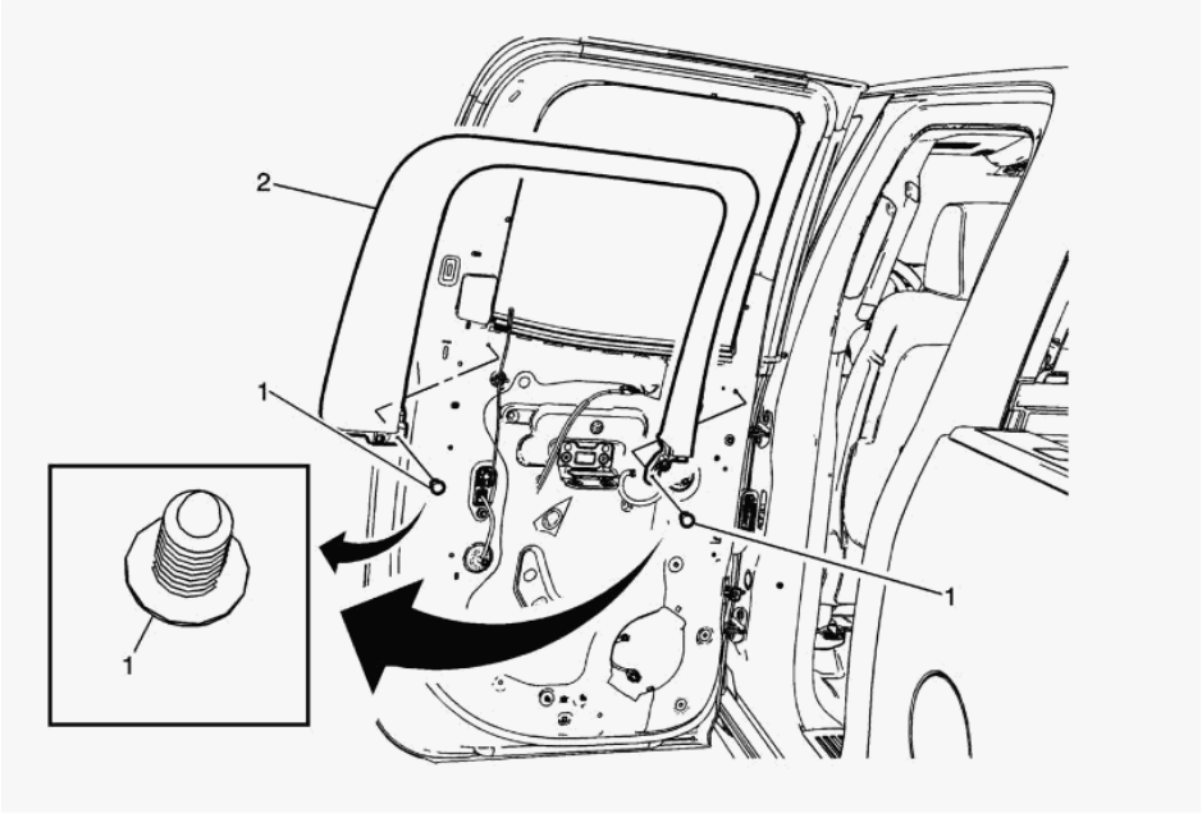


Fig. 26: Rear Side Door Window Garnish Molding (Extended Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Rear Side Door Window Garnish Molding Clip (Qty:2) **Procedure** 1. Open the rear side door to the full open position. 2. Remove the rear side door trim. Refer to **Rear Side Door Trim Panel Replacement (Crew Cab, Extended Cab)** . 3. Using the appropriate tool, remove the push-in clips from the door frame.

cardiagn.com

FRONT SIDE DOOR ADJUSTMENT

Removal Procedure

Up/Down or In/Out Adjustment

1. Open the door.

NOTE: **The door side upper and lower hinge bolts must remain tight enough to retain door adjusted position.**

2. Apply masking tape to the fender and the door edges.

   Loosen the door side hinge bolts.

   Do not remove the bolts from the door.

3. Adjust the door up or down by repositioning the door as needed.

NOTE: **If proper door adjustment cannot be made with original equipment door side bolts, refer to catalog for non-shouldered service bolts that will allow additional adjustment.**

4. Adjust the door in or out by repositioning the door as needed.

Installation Procedure

CAUTION: **Refer to Fastener Caution .**

1. Install the door side hinge bolts.

   Tighten

   Tighten the bolts to 25 N.m (18 lb ft).

2. Inspect the door for proper operation and alignment.
3. Remove the masking tape.

Removal Procedure

Fore/Aft Adjustment

NOTE: **The door side upper and lower hinge bolts must remain tight enough to retain door adjusted position.**

1. Apply masking tape to the fender and door edges.
2. Remove the front fender. Refer to **Front Fender Replacement - Left Side**, or **Front Fender Replacement - Right Side**.
3. Loosen the bodyside hinge bolts, but do not remove the bolts from the door.
4. Adjust the door fore and aft by repositioning the door as needed.

Installation Procedure

cardiagn.com

CAUTION: Refer to **Fastener Caution** .

1. Install the bodyside hinges bolts.

   Tighten

   Tighten the bolts to 32 N.m (24 lb ft).

2. Adjust the front side door lock striker, if needed. Refer to **Front Side Door Lock Striker Adjustment** .
3. Inspect the door for proper operation and alignment.
4. Remove the masking tape.

FRONT SIDE DOOR REPLACEMENT (CREW CAB, EXTENDED CAB)

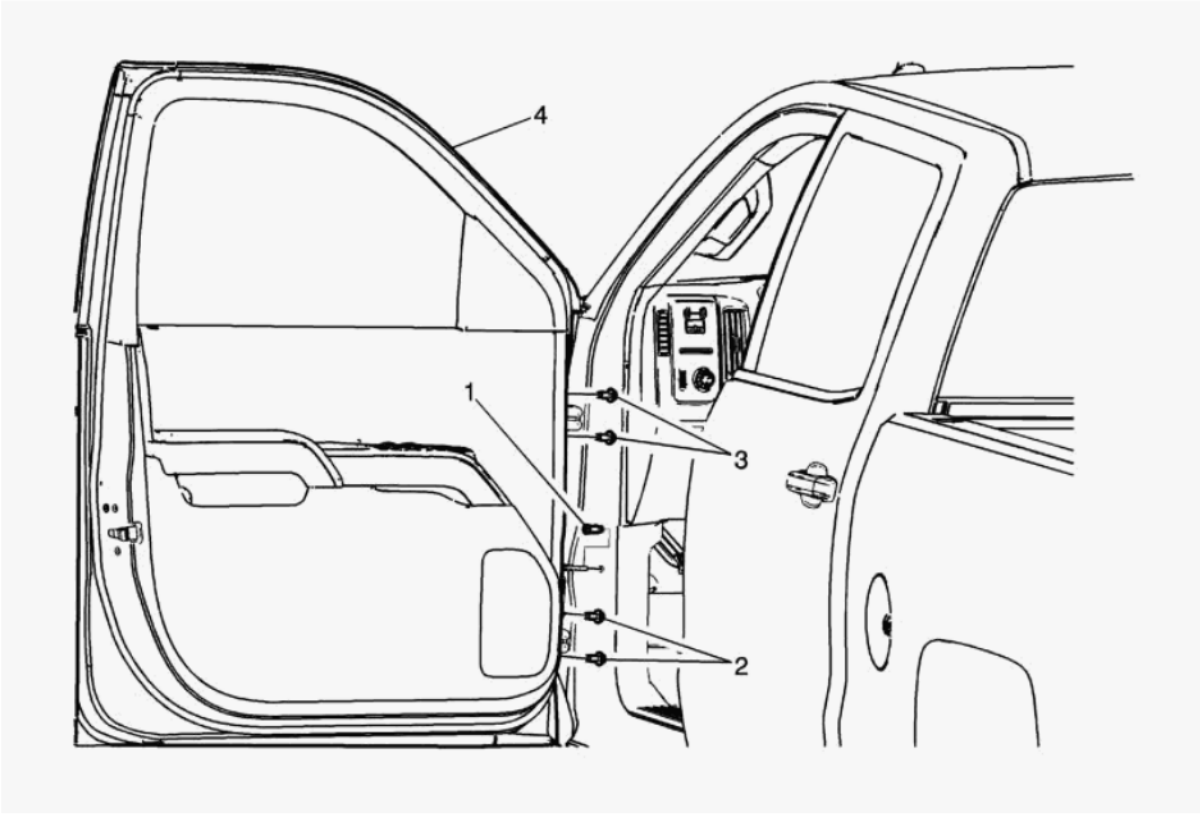


Fig. 27: Front Side Door (Crew Cab, Extended Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures	
1. Place the door in the full open position. 2. Disable the supplementary inflatable restraint (SIR) system. Refer to **SIR Disabling and Enabling** . 3. Mark the location of the hinge before removing the bolts with a grease pencil. 4. Remove the front door trim. Refer to **Front Side Door Trim Replacement (With A31)** **Front Side Door Trim Replacement (Without A31)** . 5. Remove the front side door pull handle bracket. Refer to **Front Side Door Pull Handle Bracket**	

cardiagn.com

Callout	Component Name
Replacement . 6. Remove the water deflector.	
1	Front Side Door Check Link Bolt **CAUTION:** **Refer to Fastener Caution .** **Procedure** 1. Disconnect the door electrical connector. 2. Support the door before removing the hinge bolts. 3. With an assistant, remove the door. **Tighten** 22 N.m (16 lb ft)
2	Front Side Door Lower Hinge Bolt (Qty: 2) **Tighten** 25 N.m (18 lb ft)
3	Front Side Door Upper Hinge Bolt (Qty: 2) **Tighten** 25 N.m (18 lb ft)
4	Front Side Door **Procedure** 1. Transfer all components as necessary. 2. If the door striker needs adjusting. Refer to **Front Side Door Adjustment**. **NOTE:** **Inspect the door for proper operation before installing the door trim.**

FRONT SIDE DOOR REPLACEMENT (REGULAR CAB)

cardiagn.com

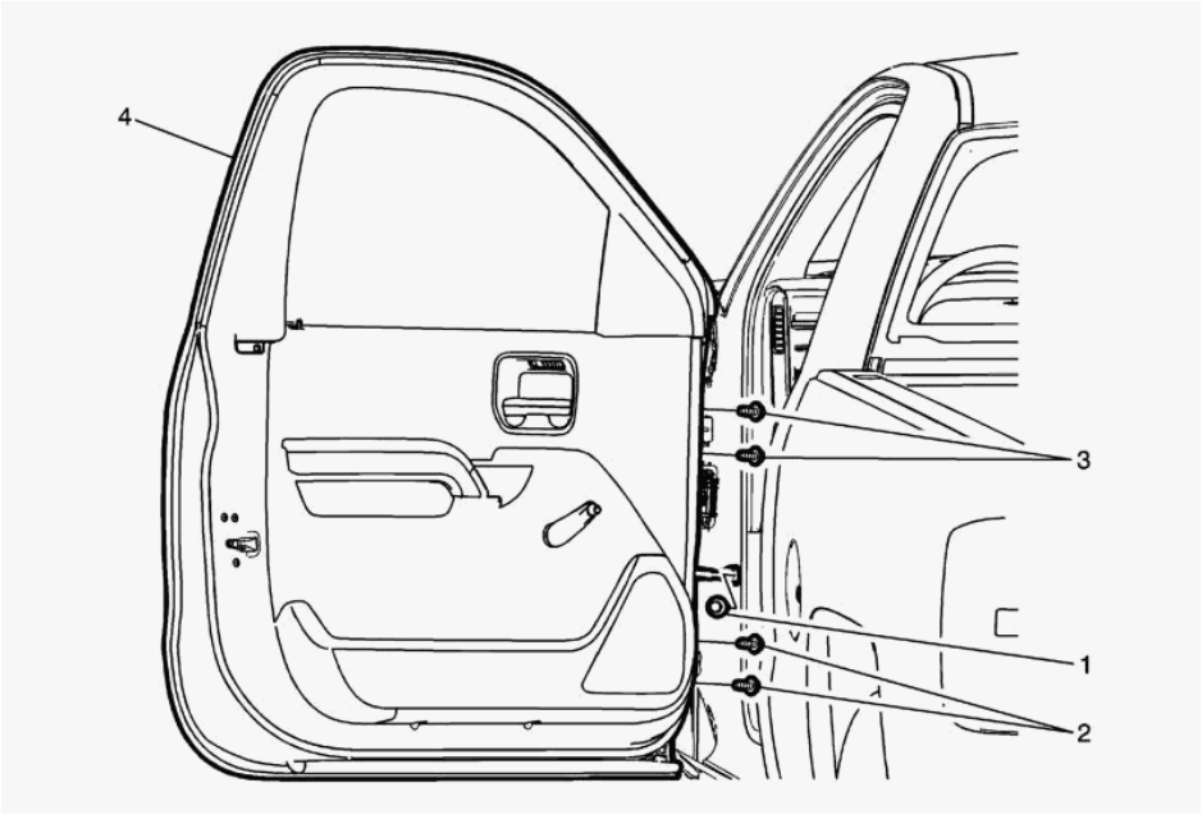


Fig. 28: Front Side Door (Regular Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Place the door in the full open position. 2. Disable the supplementary inflatable restraint (SIR) system. Refer to **SIR Disabling and Enabling** . 3. Mark the location of the hinge before removing the bolts with a grease pencil. 4. Remove the front door trim. Refer to **Front Side Door Trim Replacement (With A31)** **Front Side Door Trim Replacement (Without A31)** . 5. Remove the front side door pull handle bracket, if equipped. Refer to **Front Side Door Pull Handle Bracket Replacement** . 6. Remove the water deflector.	
1	Front Side Door Check Link Bolt **CAUTION:** **Refer to** **Fastener Caution** . **Procedure** 1. Disconnect the door electrical connector.

cardiagn.com

Callout	Component Name
	2. Support the door before removing the hinge bolts. 3. With an assistant, remove the door. **Tighten** 22 N.m (16 lb ft)
2	Front Side Door Lower Hinge Bolt (Qty: 2) **Tighten** 25 N.m (18 lb ft)
3	Front Side Door Upper Hinge Bolt (Qty: 2) **Tighten** 25 N.m (18 lb ft)
4	Front Side Door **Procedure** 1. Transfer all components as necessary. 2. If the door striker needs adjusting. Refer to **Front Side Door Adjustment**. **NOTE:** **Inspect the door for proper operation before installing the door trim.**

REAR SIDE DOOR ADJUSTMENT

Removal Procedure

Up/Down or In/Out Adjustment

1. Open the door.

NOTE: **The door side upper and lower hinge bolts must remain tight enough to retain door adjusted position.**

2. Apply masking tape to the quarter panel edge and the door edges.

   Loosen the door side hinge bolts.

   Do not remove the bolts from the door.

3. Adjust the door up or down by repositioning the door as needed.

NOTE: **If proper door adjustment cannot be made with original equipment door side bolts, refer to catalog for non-shouldered service bolts that will allow additional adjustment.**

cardiagn.com

4. Adjust the door in or out by repositioning the door as needed.

Installation Procedure

CAUTION: Refer to Fastener Caution .

1. Install the door side hinge bolts.

   Tighten

   Tighten the bolts to 25 N.m (18 lb ft).

2. Inspect the door for proper operation and alignment.
3. Remove the masking tape.

Removal Procedure

Fore/Aft Adjustment

NOTE: The door side upper and lower hinge bolts must remain tight enough to retain door adjusted position.

1. Apply masking tape to the quarter panel edge and door edges.

   Loosen the bodyside hinge bolts.

   Do not remove the bolts from the door.

2. Adjust the door fore and aft by repositioning the door as needed.

Installation Procedure

CAUTION: Refer to Fastener Caution .

1. Install the bodyside hinges bolts.

   Tighten

   Tighten the bolts to 32 N.m (24 lb ft).

2. Adjust the rear side door lock striker, if needed. Refer to **Rear Side Door Lock Striker Adjustment** .
3. Inspect the door for proper operation and alignment.
4. Remove the masking tape.

REAR SIDE DOOR REPLACEMENT (CREW CAB)

cardiagn.com

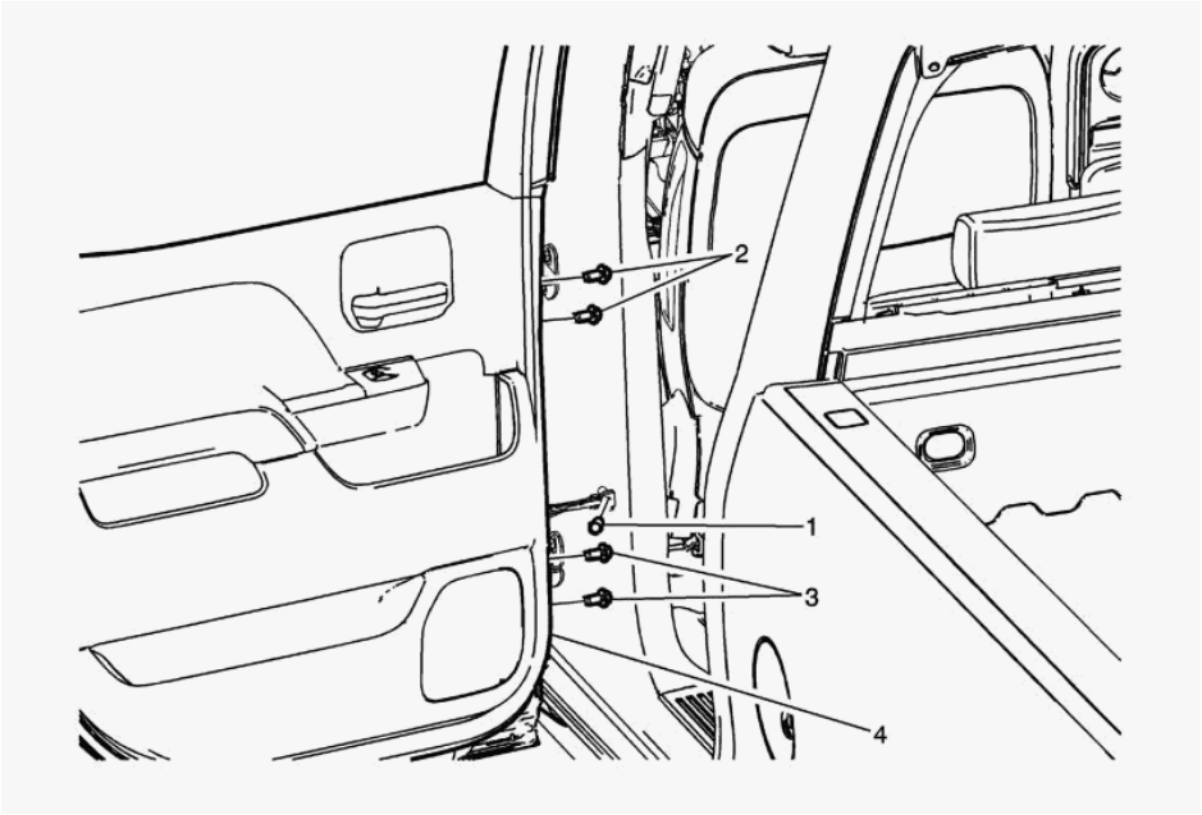


Fig. 29: Rear Side Door (Crew Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Place the rear side door in the full open position. 2. Disable the supplementary inflatable restraint (SIR) system. Refer to **SIR Disabling and Enabling** . 3. Mark the location of the hinge before removing the bolts with a grease pencil. 4. Remove the rear side door trim. Refer to **Rear Side Door Trim Panel Replacement (Crew Cab, Extended Cab)** . 5. Remove the rear side door pull handle bracket. Refer to **Rear Side Door Pull Handle Bracket Replacement** . 6. Remove the rear side door water deflector.	
1	Rear Side Door Check Link Bolt **CAUTION:** **Refer to Fastener Caution .** **Procedure** 1. Disconnect the door electrical connector.

cardiagn.com

Callout	Component Name
	2. Support the door before removing the hinge bolts. 3. With an assistant, remove the door. **Tighten** 22 N.m (16 lb ft)
2	Rear Side Door Upper Hinge Bolt (Qty: 2) **Tighten** 25 N.m (18 lb ft)
3	Rear Side Door Lower Hinge Bolt (Qty: 2) **Tighten** 25 N.m (18 lb ft)
4	Rear Side Door **Procedure** 1. Transfer all components as necessary. 2. If the door striker needs adjusting. Refer to **Rear Side Door Adjustment**. **NOTE:** **Inspect the door for proper operation before installing the door trim.**

REAR SIDE DOOR REPLACEMENT (EXTENDED CAB)

cardiagn.com

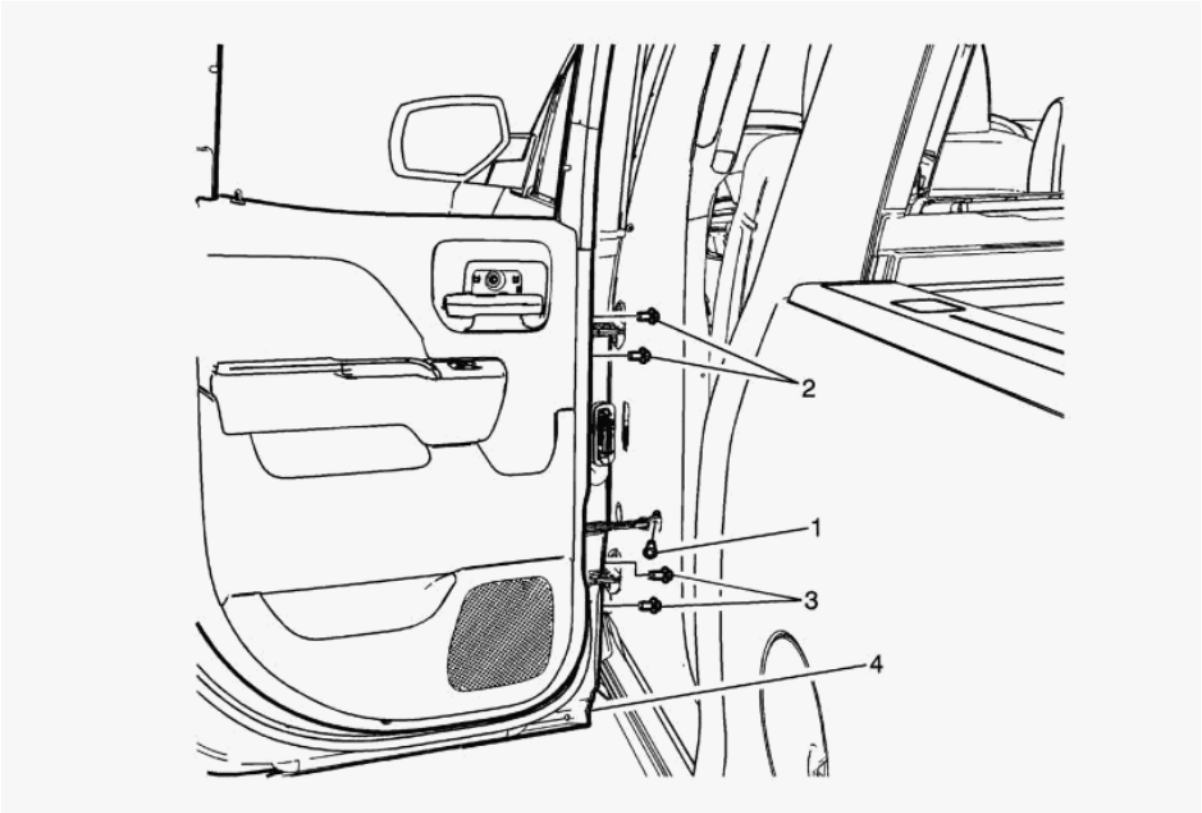


Fig. 30: Rear Side Door (Extended Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Place the rear side door in the full open position. 2. Disable the supplementary inflatable restraint (SIR) system. Refer to **SIR Disabling and Enabling** . 3. Mark the location of the hinge before removing the bolts with a grease pencil. 4. Remove the rear side door trim. Refer to **Rear Side Door Trim Panel Replacement (Crew Cab, Extended Cab)** . 5. Remove the rear side door pull handle bracket. Refer to **Rear Side Door Pull Handle Bracket Replacement** . 6. Remove the rear side door water deflector.	
1	Rear Side Door Check Link Bolt **CAUTION:** **Refer to Fastener Caution .** **Procedure** 1. Disconnect the door electrical connector.

cardiagn.com

Callout	Component Name
	2. Support the door before removing the hinge bolts. 3. With an assistant, remove the door. **Tighten** 22 N.m (16 lb ft)
2	Rear Side Door Upper Hinge Bolt (Qty: 2) **Tighten** 25 N.m (18 lb ft)
3	Rear Side Door Lower Hinge Bolt (Qty: 2) **Tighten** 25 N.m (18 lb ft)
4	Rear Side Door **Procedure** 1. Transfer all components as necessary. 2. If the door striker needs adjusting. Refer to **Rear Side Door Adjustment**. **NOTE:** **Inspect the door for proper operation before installing the door trim.**

FRONT SIDE DOOR OUTER PANEL ENERGY ABSORBER REPLACEMENT

cardiagn.com

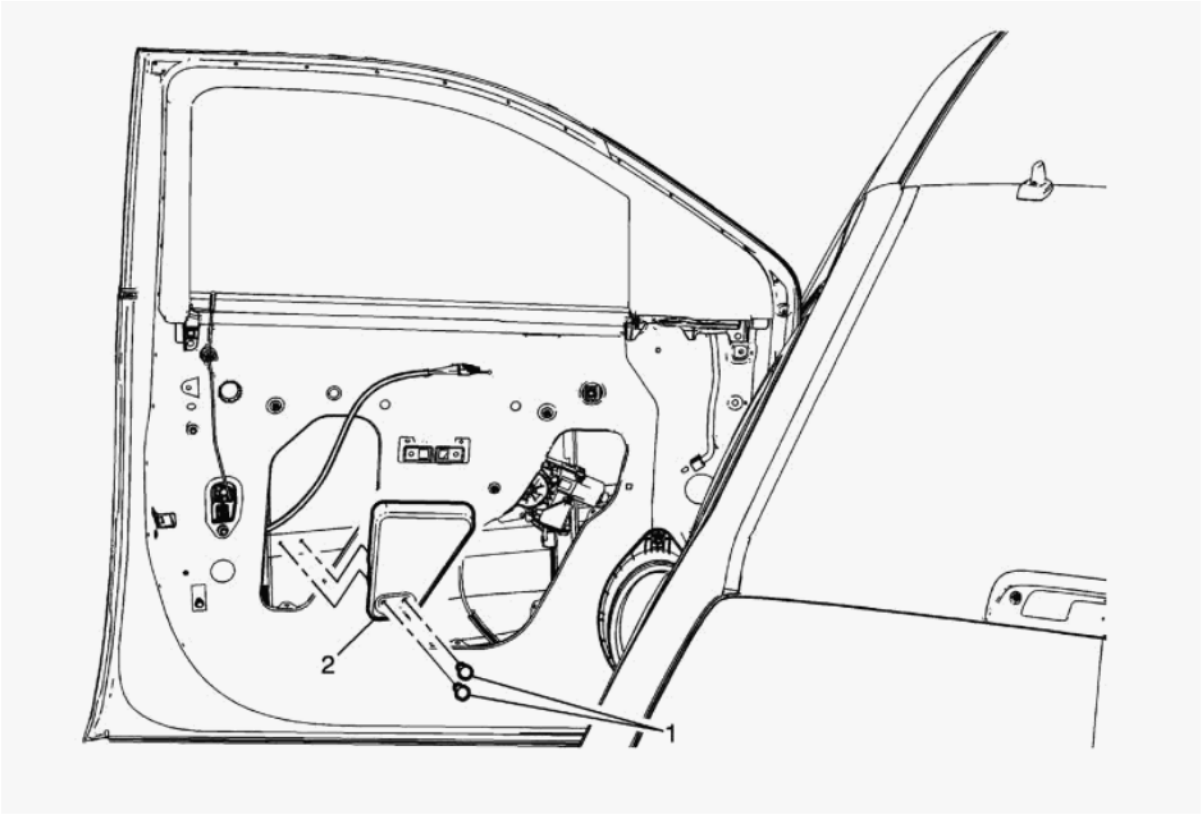


Fig. 31: Front Side Door Outer Panel Energy Absorber
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Remove the front side door pull handle bracket. Refer to **Front Side Door Pull Handle Bracket Replacement** . 2. Remove the front side door water deflector.	
1	Front Side Door Outer Panel Energy Absorber Retainer (Qty: 2) **WARNING:** **This vehicle has energy-absorbing foam blocks for side impact protection. To help avoid personal injury in a collision, foam blocks that are damaged, or**

cardiagn.com

Callout	Component Name
	removed during repairs must be replaced. Failure to replace foam blocks that are removed can violate federal law.
2	Front Side Door Outer Panel Energy Absorber

ENDGATE ADJUSTMENT

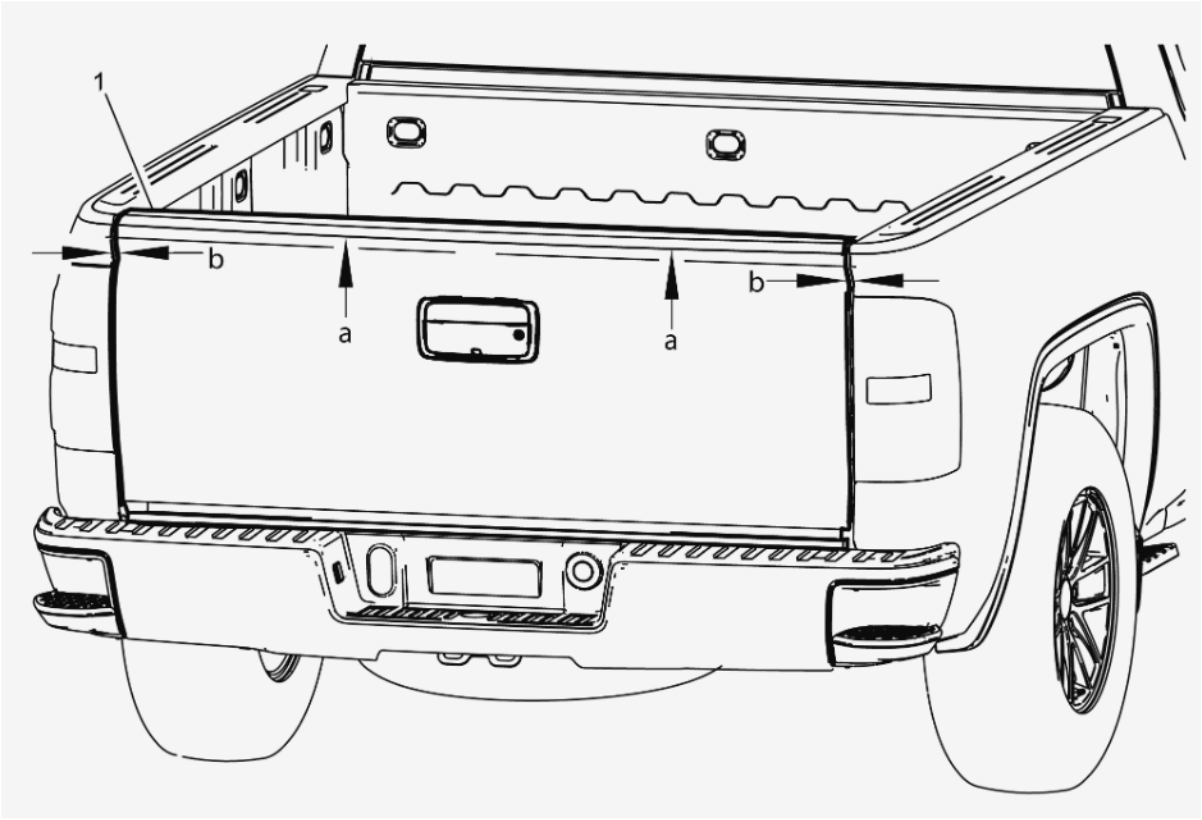


Fig. 32: Endgate Adjustment
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Endgate **CAUTION:** **Refer to Fastener Caution .** **Procedure**

cardiagn.com

Callout	Component Name
	1. Open and close the endgate and check for flushness with hand (b). 2. Open the endgate and loosen the strikers about 1/3 to 1/2 turn, enough for striker movement without losing the nut. 3. Close the endgate and using hand pressure at (a) to adjust strikers, balancing side to side to make sure strikers contact at the same time and don't cause a binding and minimizing the non-flush look by dividing it equally between sides. 4. Open endgate carefully and tighten the endgate striker bolts. 5. Open and close the endgate to recheck the flushness is correct. **Tighten** 30 N.m (22 lb ft)

PICKUP BOX FRONT END PANEL AIR DEFLECTOR REPLACEMENT

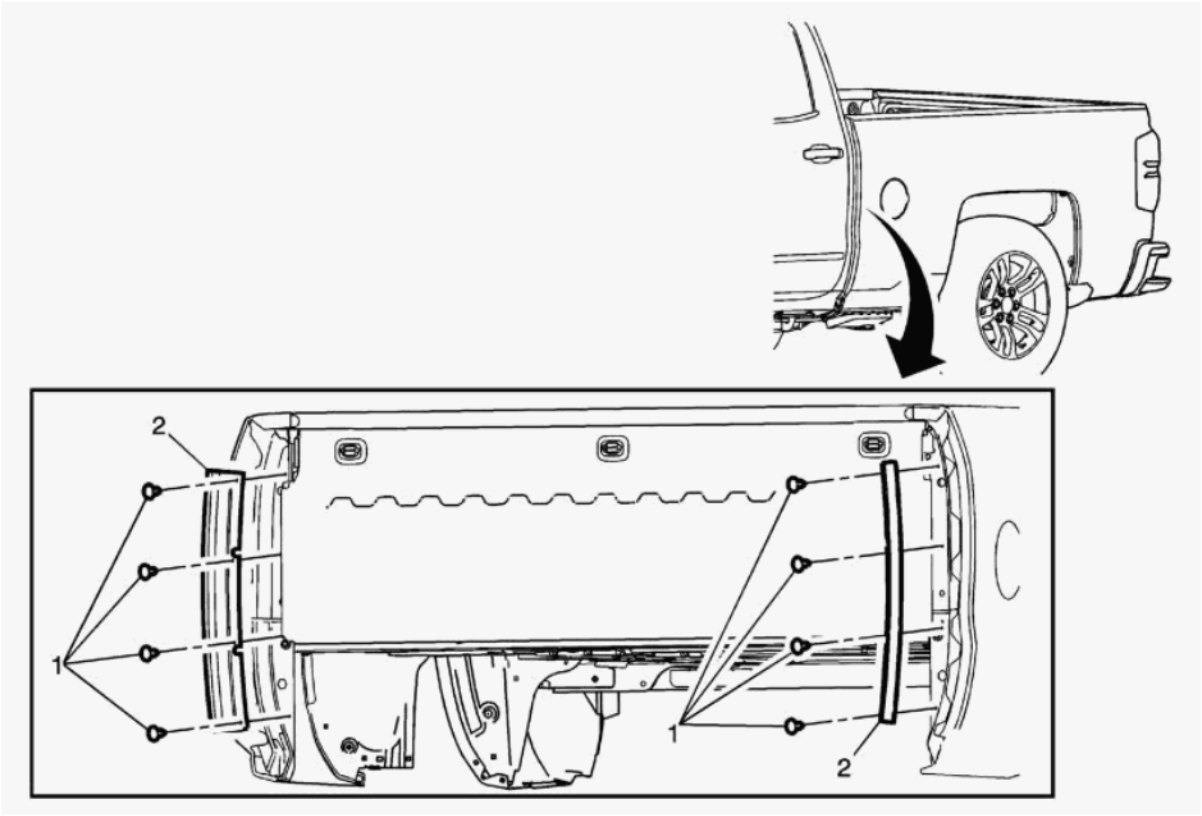


Fig. 33: Pickup Box Front End Panel Air Deflector
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Remove the pickup box. Refer to **Pickup Box Replacement (Long Box)Pickup Box Replacement (Standard Box)**	
1	Pickup Box Front End Panel Air Deflector Retainer (Qty: 8)
2	Pickup Box Front End Panel Air Deflector

PICKUP BOX ENDGATE LINER REPLACEMENT

cardiagn.com

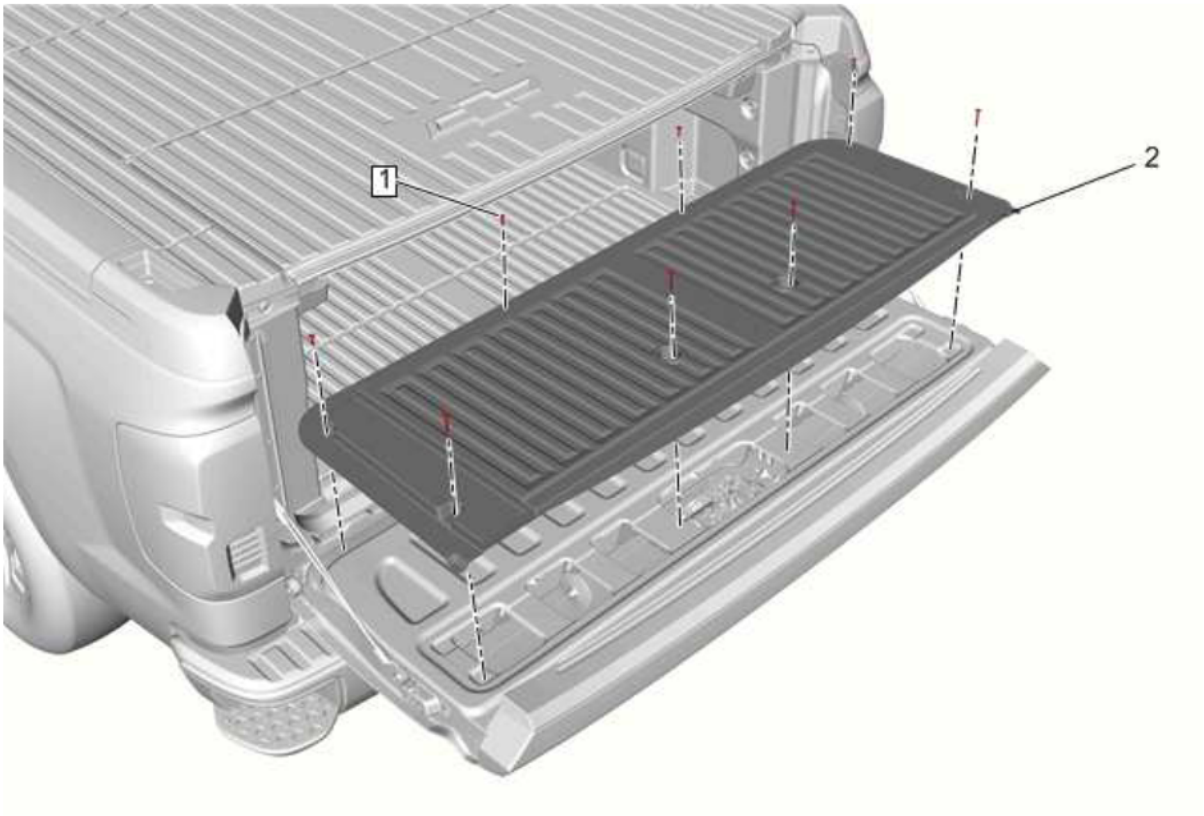


Fig. 34: Pickup Box Endgate Liner
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Open and support the endgate.	
1	Pickup Box Endgate Liner Bolt **CAUTION:** **Refer to** **Fastener Caution** . **Tighten** 2.5 N.m (22 lb in)
2	Pickup Box Endgate Liner **Procedure** Pull the top endgate liner edge from under the endgate upper molding.

FRONT FENDER REPLACEMENT - LEFT SIDE

cardiagn.com

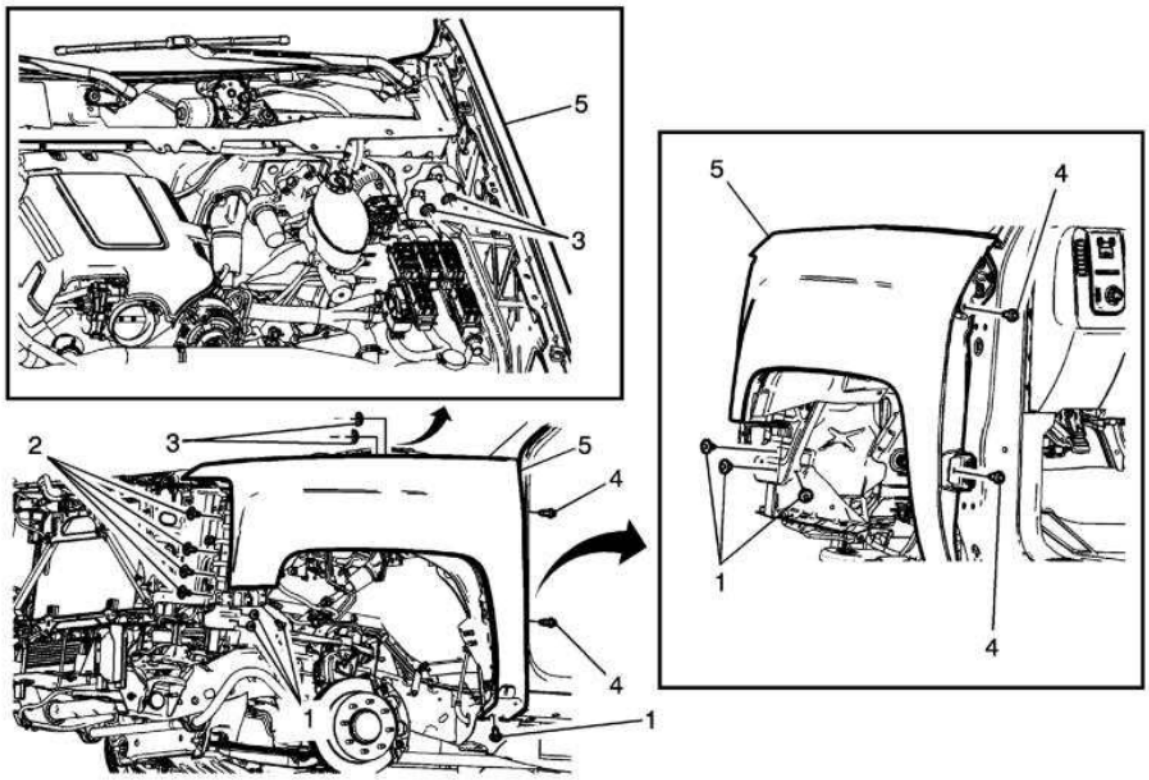


Fig. 35: Front Fender - Left Side
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name

Preliminary Procedures

1. Remove the headlamp. Refer to **Headlamp Replacement (GMC 1500)** **Headlamp Replacement (Chevrolet - Left Side)** **Headlamp Replacement (Chevrolet - Right Side)** **Headlamp Replacement (GMC 2500, 3500)** .
2. Remove the front grille. Refer to **Front Grille Replacement (GMC)** **Front Grille Replacement (Chevrolet 2500 3500)** **Front Grille Replacement (GMC 2500 3500)** **Front Grille Replacement (Chevrolet)** .
3. Remove the front fender rear upper brace. Refer to **Front Fender Rear Upper Brace Replacement (LV3, L96, LC8, lL83, L8B, L86)Front Fender Rear Upper Brace Replacement (L5P)**.
4. Remove the front fender paint protector if equipped. Refer to **Front Fender Paint Protector Replacement**
5. Remove the front wheel opening molding if equipped. Refer to **Front Wheel Opening Molding Replacement**
6. Remove the auxiliary battery tray. Refer to **Auxiliary Battery Tray Replacement**
7. Remove the windshield washer solvent container. Refer to **Windshield Washer Solvent Container Replacement (LD)** **Windshield Washer Solvent Container Replacement (Diesel)** **Windshield Washer Solvent Container Replacement (HD)**
8. Remove the hood hinge. Refer to **Hood Hinge Replacement**.
9. Remove the underhood electrical center or junction block bracket. Refer to **Underhood Electrical Center or Junction Block Bracket Replacement** .

cardiagn.com

Callout	Component Name
10. Remove the left wheelhouse liner. Refer to **Front Wheelhouse Liner Replacement - Left Side** .	
1	Left Front Fender Lower Bolt (Qty: 4) **CAUTION:** **Refer to Fastener Caution .** **NOTE:** **Apply threadlock compound to the bolts.** **Tighten** 25 N.m (18 lb ft)
2	Left Front Fender Inner Panel Bolts (Qty: 4) **Tighten** 25 N.m (18 lb ft)
3	Left Front Fender Nuts **Tighten** 25 N.m (18 lb ft)
4	Left Front Fender Rear Bolts (Qty: 2) **Tighten** 30 N.m (22 lb ft)
5	Left Front Fender **Procedure** 1. Transfer any necessary additional parts as needed. 2. For adjustment refer to **Front Fender Upper Bracket Replacement (U73)Front Fender Upper Bracket Replacement (U77, US3)** **NOTE:** **Apply appropriate after hem sealer prior to painting.**

FRONT FENDER REPLACEMENT - RIGHT SIDE

cardiagn.com

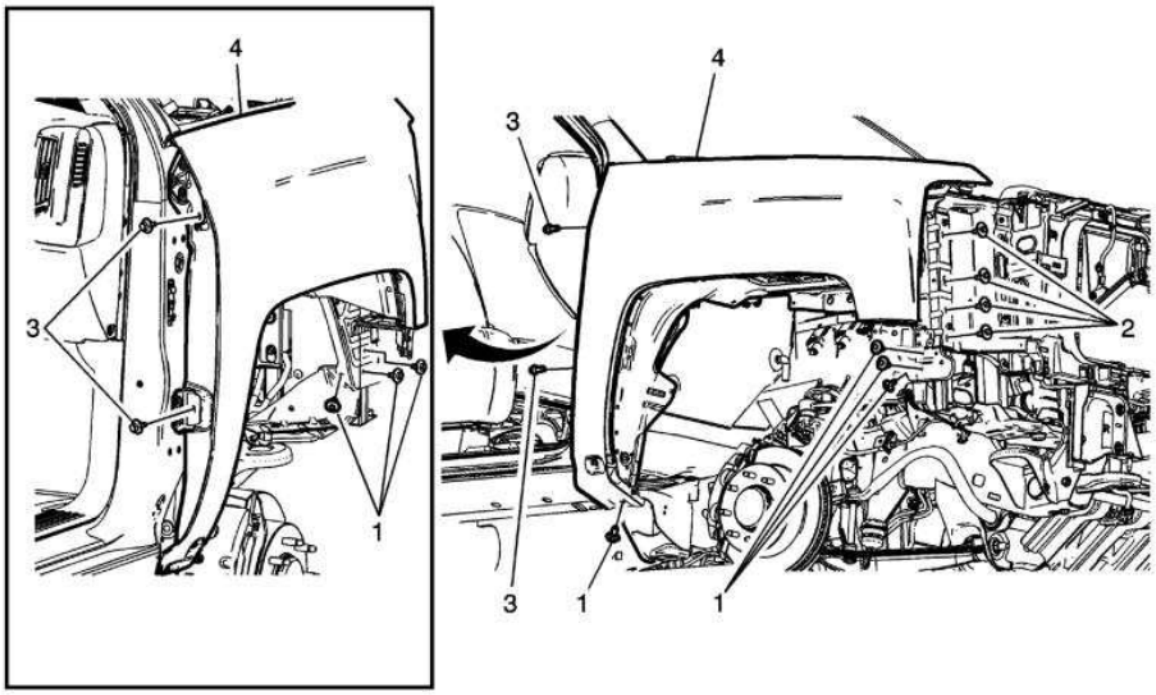


Fig. 36: Front Fender - Right Side
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name

Preliminary Procedures

1. Remove the front grille. Refer to **Front Grille Replacement (GMC)** **Front Grille Replacement (Chevrolet 2500 3500)** **Front Grille Replacement (GMC 2500 3500)** **Front Grille Replacement (Chevrolet)**
2. Remove the headlamp. Refer to **Headlamp Replacement (GMC 1500)** **Headlamp Replacement (Chevrolet - Left Side)** **Headlamp Replacement (Chevrolet - Right Side)** **Headlamp Replacement (GMC 2500, 3500)**
3. Remove the front fender rear upper brace. Refer to **Front Fender Rear Upper Brace Replacement (LV3, L96, LC8, lL83, L8B, L86)Front Fender Rear Upper Brace Replacement (L5P)**.
4. Remove the front fender paint protector if equipped. Refer to **Front Fender Paint Protector Replacement**
5. Remove the front wheel opening molding if equipped. Refer to **Front Wheel Opening Molding Replacement**
6. Remove the air cleaner bracket . Refer to **Air Cleaner Bracket Replacement** .
7. Remove the coolant reservoir bottle from the right fender and set it aside. Do not open the cooling system. Refer to **Radiator Surge Tank Replacement (L83, L86)** **Radiator Surge Tank Replacement (LV3)** **Radiator Surge Tank Replacement (LC8, L96)** **Radiator Surge Tank Replacement (L8B)** **Radiator Surge Tank Replacement (L5P)** .
8. Remove the battery tray. Refer to **Battery Tray Replacement (Diesel)** **Battery Tray Replacement (Gas)** .

cardiagn.com

Callout	Component Name
9. Remove the right hood hinge. Refer to **Hood Hinge Replacement**. 10. Remove the right wheelhouse liner. Refer to **Front Wheelhouse Liner Replacement - Right Side** .	
1	Right Fender Lower Bolts (Qty: 4) **CAUTION:** **Refer to Fastener Caution .** **NOTE:** **Apply threadlock compound to the bolts.** **Tighten** 25 N.m (18 lb ft)
2	Right Fender Inner Panel Bolts (Qty 4) **Tighten** 25 N.m (18 lb ft)
3	Right Fender Rear Bolts (Qty: 2) **Tighten** 30 N.m (22 lb ft)
4	Right Fender Assembly **Procedure** 1. Transfer any necessary additional parts as needed. 2. For adjustment refer to **Front Fender Upper Bracket Replacement (U73)Front Fender Upper Bracket Replacement (U77, US3)** **NOTE:** **Apply appropriate after hem sealer prior to painting.**

FRONT SIDE DOOR WIRING HARNESS REPLACEMENT (REGULAR CAB)

cardiagn.com



Fig. 37: Front Side Door Wiring Harness (Regular Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Remove the front side door trim. Refer to **Front Side Door Trim Replacement (With A31)** **Front Side Door Trim Replacement (Without A31)** . 2. Remove the front side door pull handle bracket, if equipped. Refer to **Front Side Door Pull Handle Bracket Replacement** . 3. Remove the front side door water deflector.	
1	Front Side Door Wiring Harness **Procedure** Disconnect the electrical connectors.

FRONT SIDE DOOR WIRING HARNESS REPLACEMENT (CREW CAB)

cardiagn.com

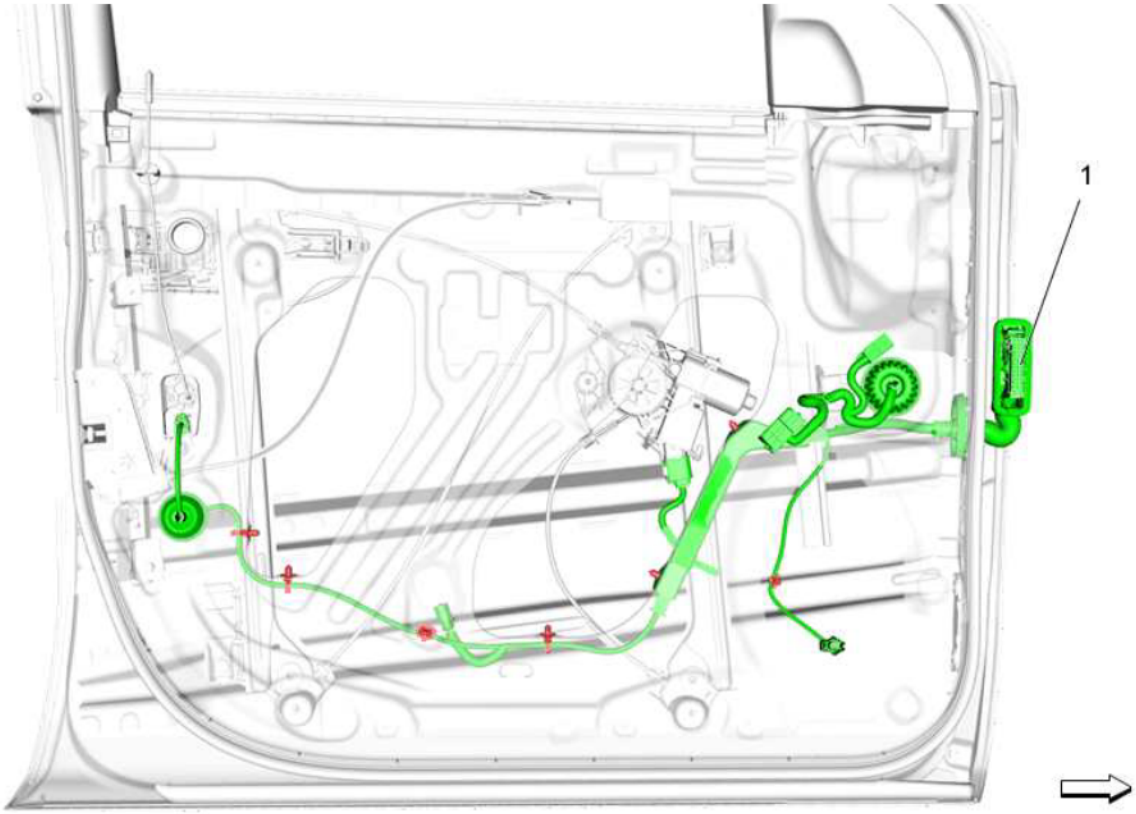


Fig. 38: NO CONTENT
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Radio Front Side Door Speaker Replacement 2. Remove the water deflector.	
1	Front Side Door Wiring Harness **Procedure** Disconnect all electrical connectors.

REAR SIDE DOOR WIRING HARNESS REPLACEMENT (EXTENDED CAB)

cardiagn.com

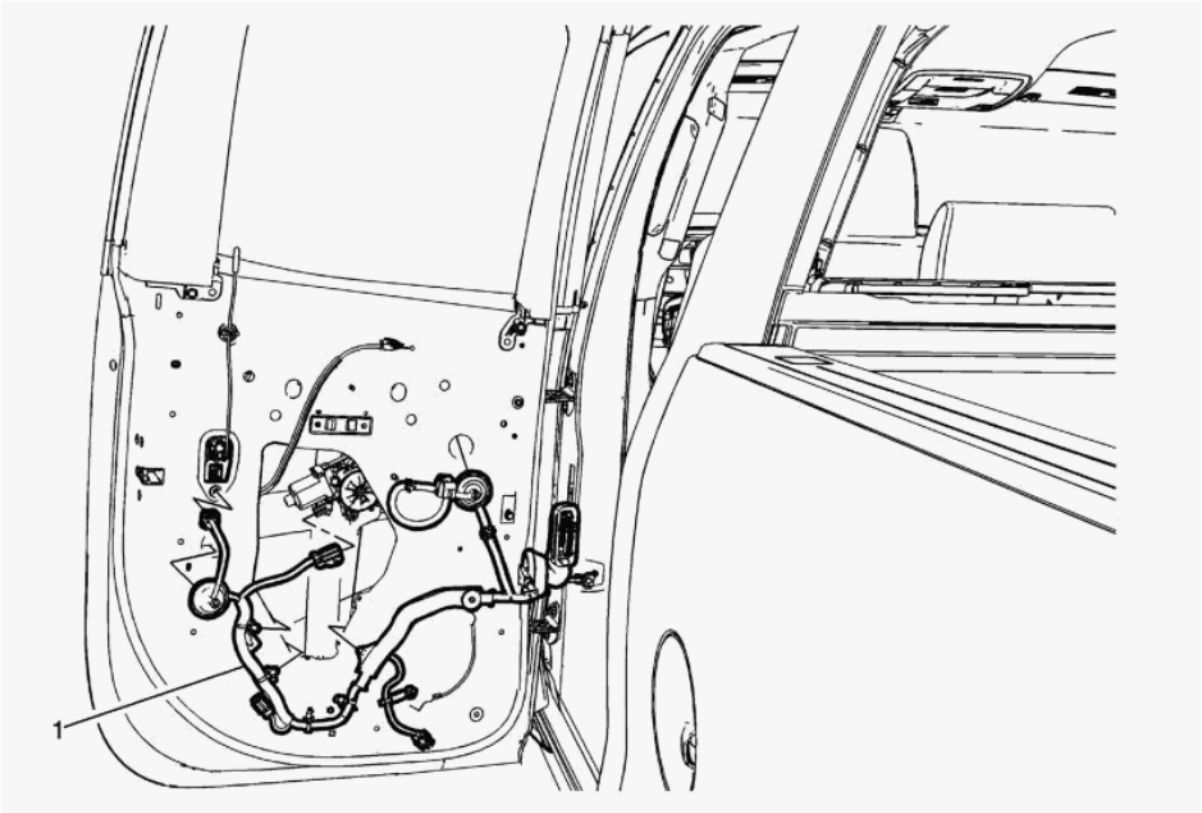


Fig. 39: Rear Side Door Wiring Harness (Extended Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Remove the rear side door pull handle bracket. Refer to **Rear Side Door Pull Handle Bracket Replacement** . 2. Remove the rear side door water deflector.	
1	Rear Side Door Wiring Harness **Procedure** Disconnect electrical connectors as needed.

REAR SIDE DOOR WIRING HARNESS REPLACEMENT (CREW CAB)

cardiagn.com

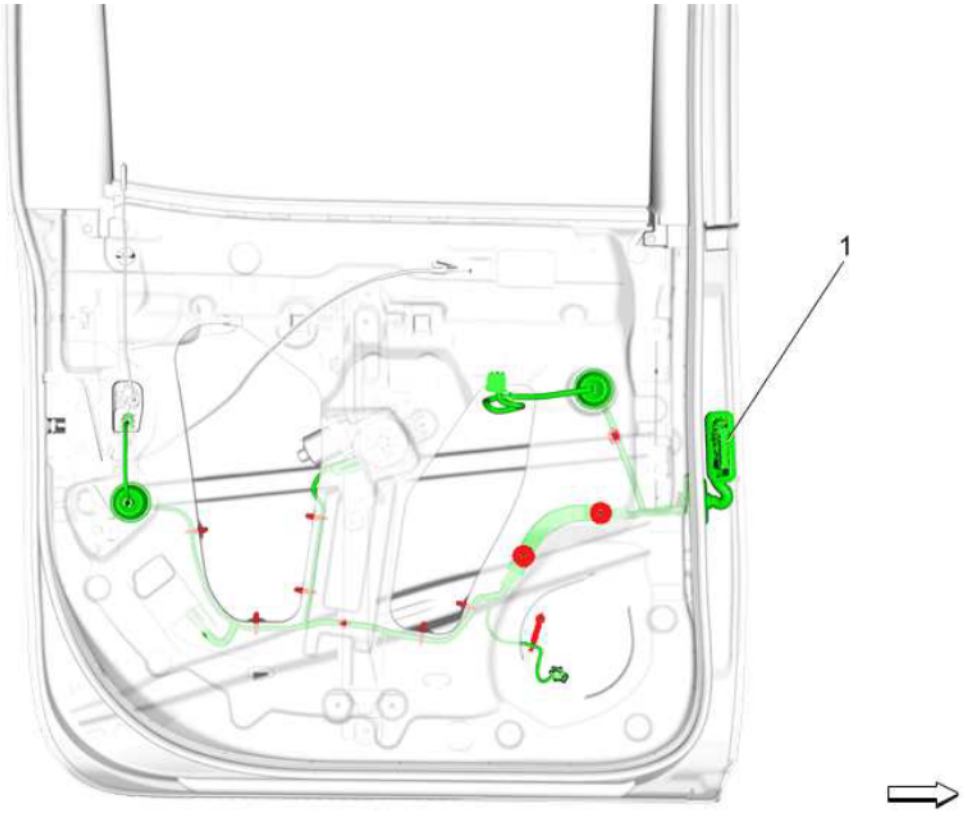


Fig. 40: Rear Side Door Wiring Harness (Crew Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. **Radio Rear Side Door Speaker Replacement** 2. Remove the water deflector.	
1	Rear Side Door Wiring Harness **Procedure** Disconnect all electrical connectors.

FRONT SIDE DOOR UPPER HINGE AND LOWER HINGE REPLACEMENT

cardiagn.com

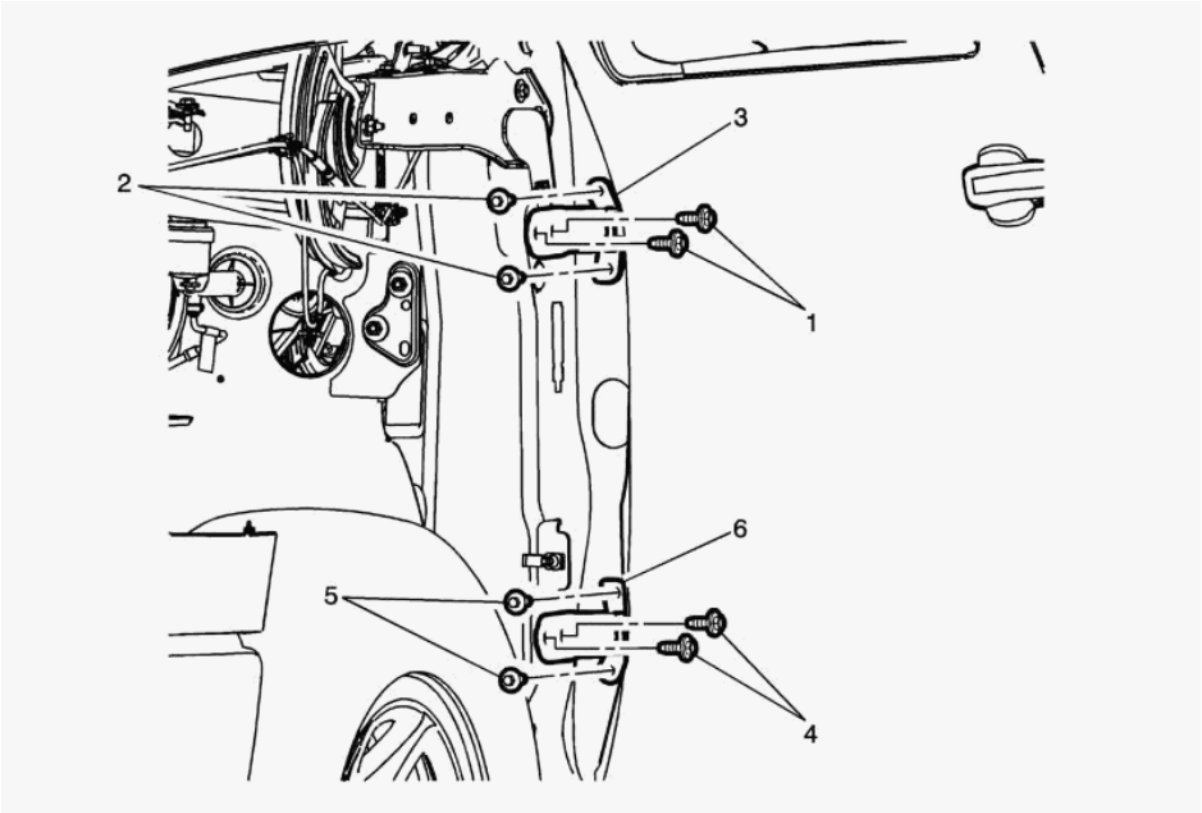


Fig. 41: Front Side Door Upper Hinge and Lower Hinge
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Apply a double layer of masking tape around the perimeter of the painted surfaces. 2. Remove the front fender. Refer to **Front Fender Replacement - Left Side**, or **Front Fender Replacement - Right Side**. 3. Mark the location of the hinge before removing the bolts with a grease pencil.	
1	Front Side Door Upper Hinge to Body Bolt (Qty: 2) **CAUTION:** **Refer to Fastener Caution .** **Procedures** 1. Keep the door in the closed position. 2. Replace one hinge at a time. **Tighten** 32 N.m (24 lb ft)

cardiagn.com

Callout	Component Name
2	Front Side Door Upper Hinge to Door Bolt (Qty: 2) **Tighten** 25 N.m (18 lb ft)
3	Front Side Door Upper Hinge
4	Front Side Door Lower Hinge to Body Bolt (Qty: 2) **Tighten** 32 N.m (24 lb ft)
5	Front Side Door Lower Hinge to Door Bolt (Qty: 2) **Tighten** 25 N.m (18 lb ft)
6	Front Side Door Lower Hinge **Procedure** Adjust the front side door, if needed. Refer to **Front Side Door Adjustment**. **NOTE:** **Inspect the door for proper operation.**

HOOD HINGE REPLACEMENT

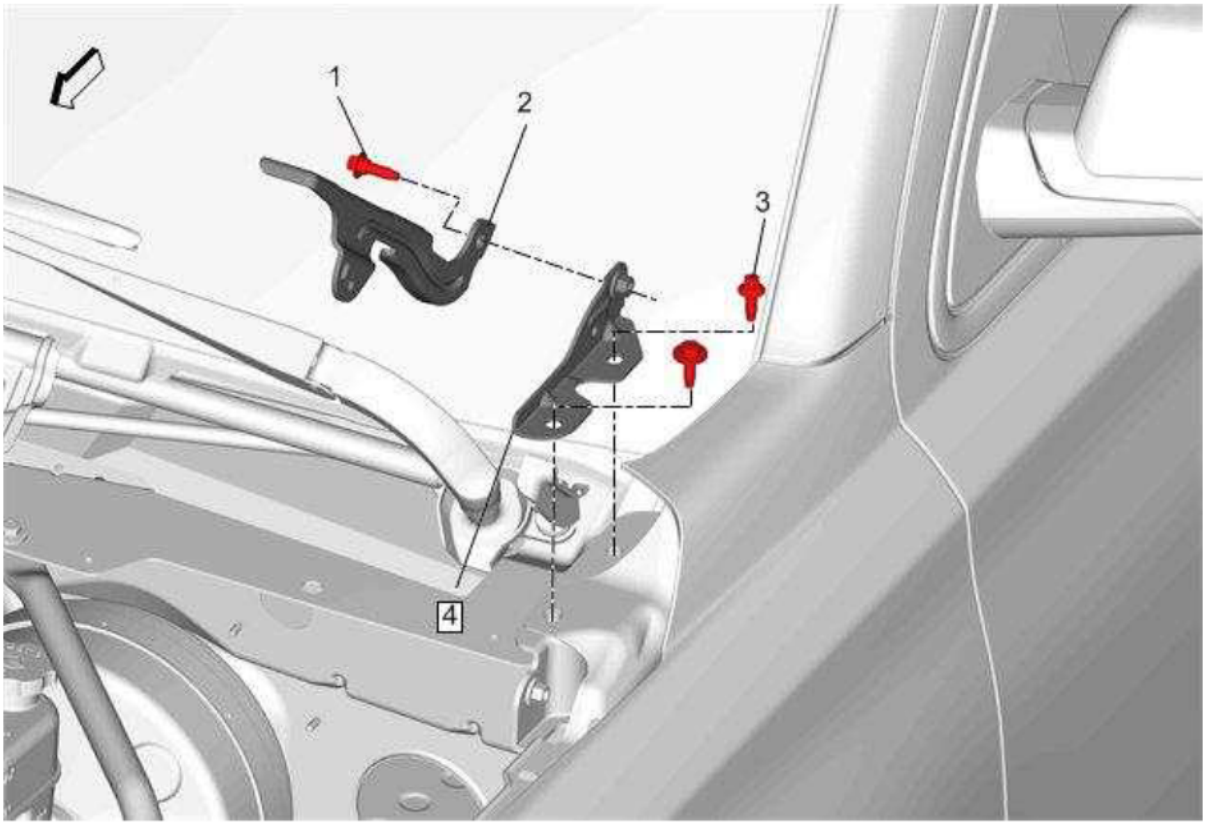


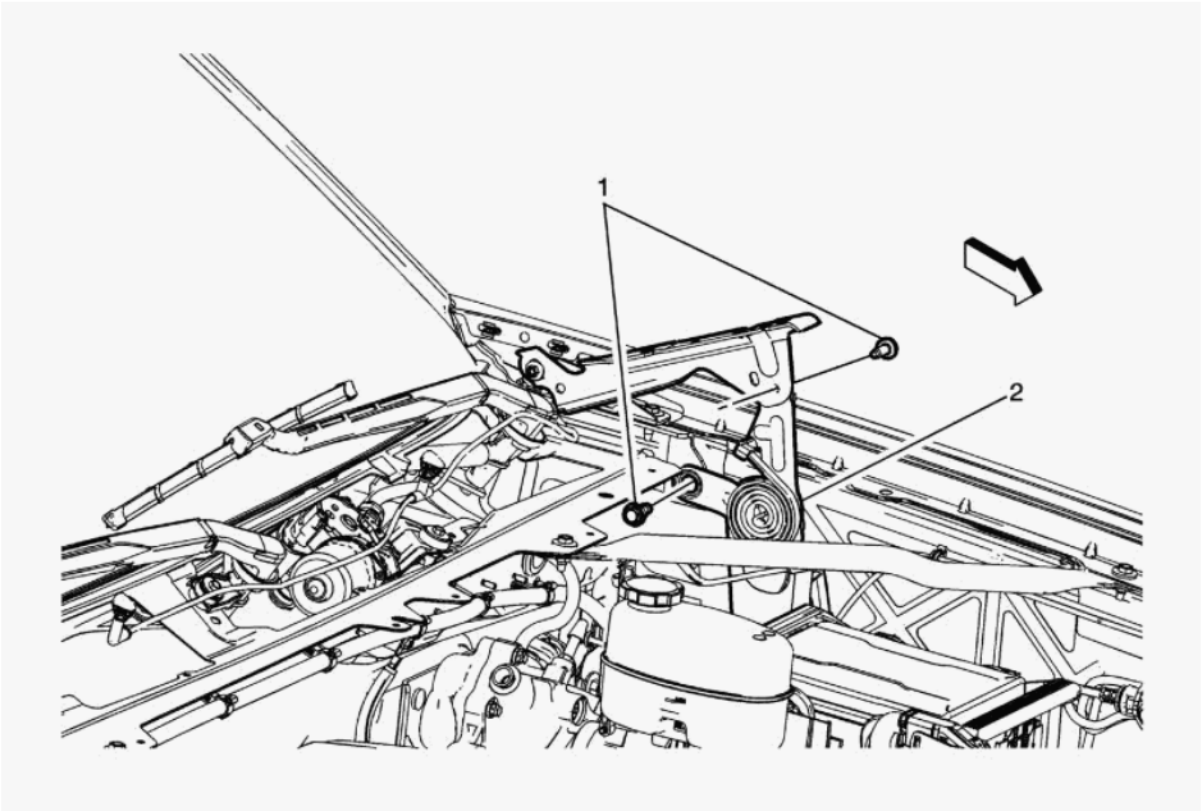
Fig. 42: Hood Hinge
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name

cardiagn.com

Callout	Component Name
WARNING: When a hood hold open device is being removed or installed, provide alternate support to avoid the possibility damage to the vehicle or personal injury.	**Preliminary Procedures** 1. Remove the hood. Refer to **Hood Replacement**. 2. Remove the air inlet grille panel extension. Refer to **Air Inlet Grille Panel Extension Replacement (Right Side)** **Air Inlet Grille Panel Extension Replacement (Left Side)** . 3. Remove the hood open assist spring. Refer to **Hood Open Assist Spring Replacement**.
1	Hood Hinge Bolt **CAUTION:** Refer to **Fastener Caution** . **Tighten** 22 N.m (16 lb ft)
2	Hood Hinge to Hood Side
3	Hood Hinge Bolt to Body Side (Qty 2) **Tighten** 30 N.m (22 lb ft)
4	Hood Hinge to Body Side

HOOD OPEN ASSIST SPRING REPLACEMENT



cardiagn.com

Fig. 43: Hood Open Assist Spring
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
WARNING: **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.** **Preliminary Procedures** Open the hood and support the side being serviced.	
1	Hood Open Assist Spring Bolt (Qty: 2) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 22 N.m (16 lb ft)
2	Hood Open Assist Spring

REAR SIDE DOOR UPPER HINGE AND LOWER HINGE REPLACEMENT

cardiagn.com

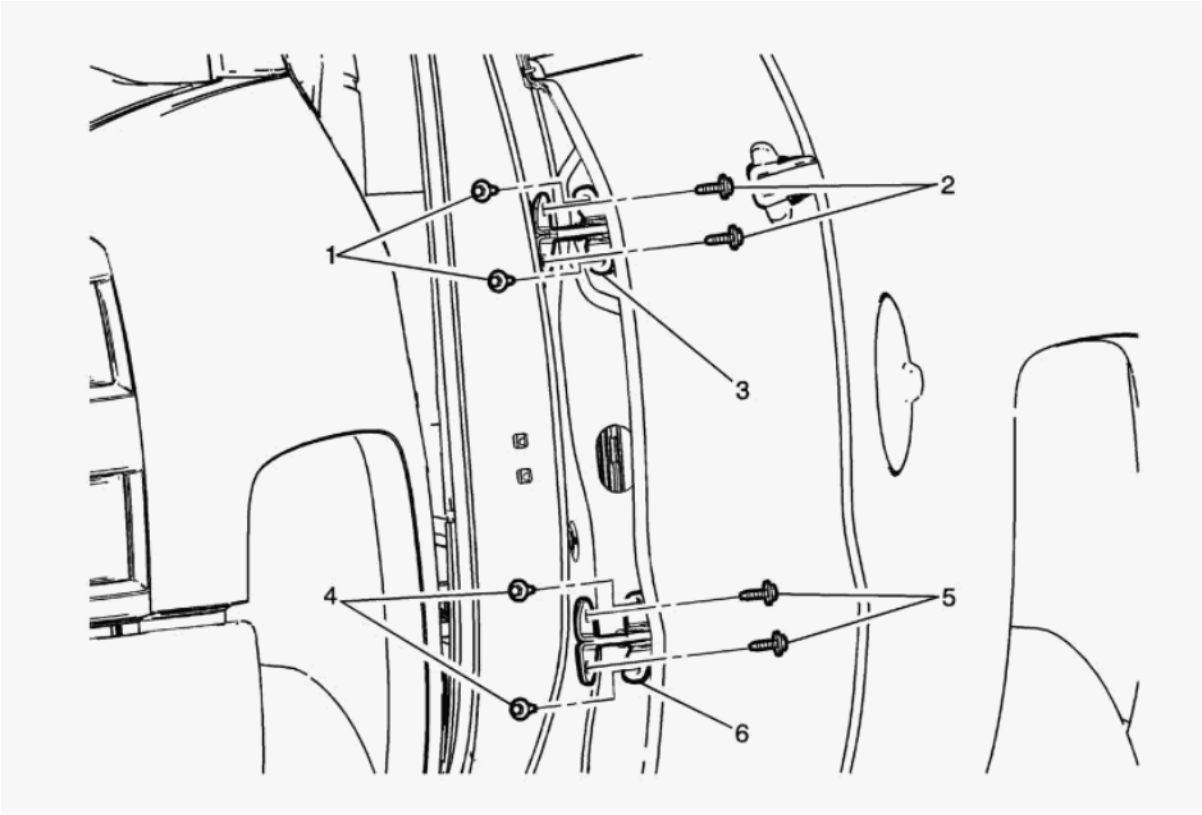


Fig. 44: Rear Side Door Upper Hinge and Lower Hinge
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Rear Side Door Upper Hinge to Door Bolt (Qty: 2) **CAUTION:** **Refer to** **Fastener Caution** . **Procedures** 1. Before removing the door, apply a double layer of masking tape around the perimeter of the painted surfaces. 2. Mark the location of the hinge being removed. 3. Support the door before removing the hinge bolts. **Tighten** 25 N.m (18 lb ft)
2	Rear Side Door Upper Hinge to Body Bolt (Qty: 2) **Tighten** 32 N.m (24 lb ft)
3	Rear Side Door Upper Hinge

cardiagn.com

Callout	Component Name
4	Rear Side Door Lower Hinge to Door Bolt (Qty: 2) **Tighten** 25 N.m (18 lb ft)
5	Rear Side Door Lower Hinge to Body Bolt (Qty: 2) **Tighten** 32 N.m (24 lb ft)
6	Rear Side Door Lower Hinge **Procedure** Adjust the rear door, if needed. Refer to **Rear Side Door Adjustment**. **NOTE:** **Inspect the door for proper operation before installing the door trim.**

HOOD SERVICE POSITIONING

Removal Procedure

1. Open the hood.

cardiagn.com

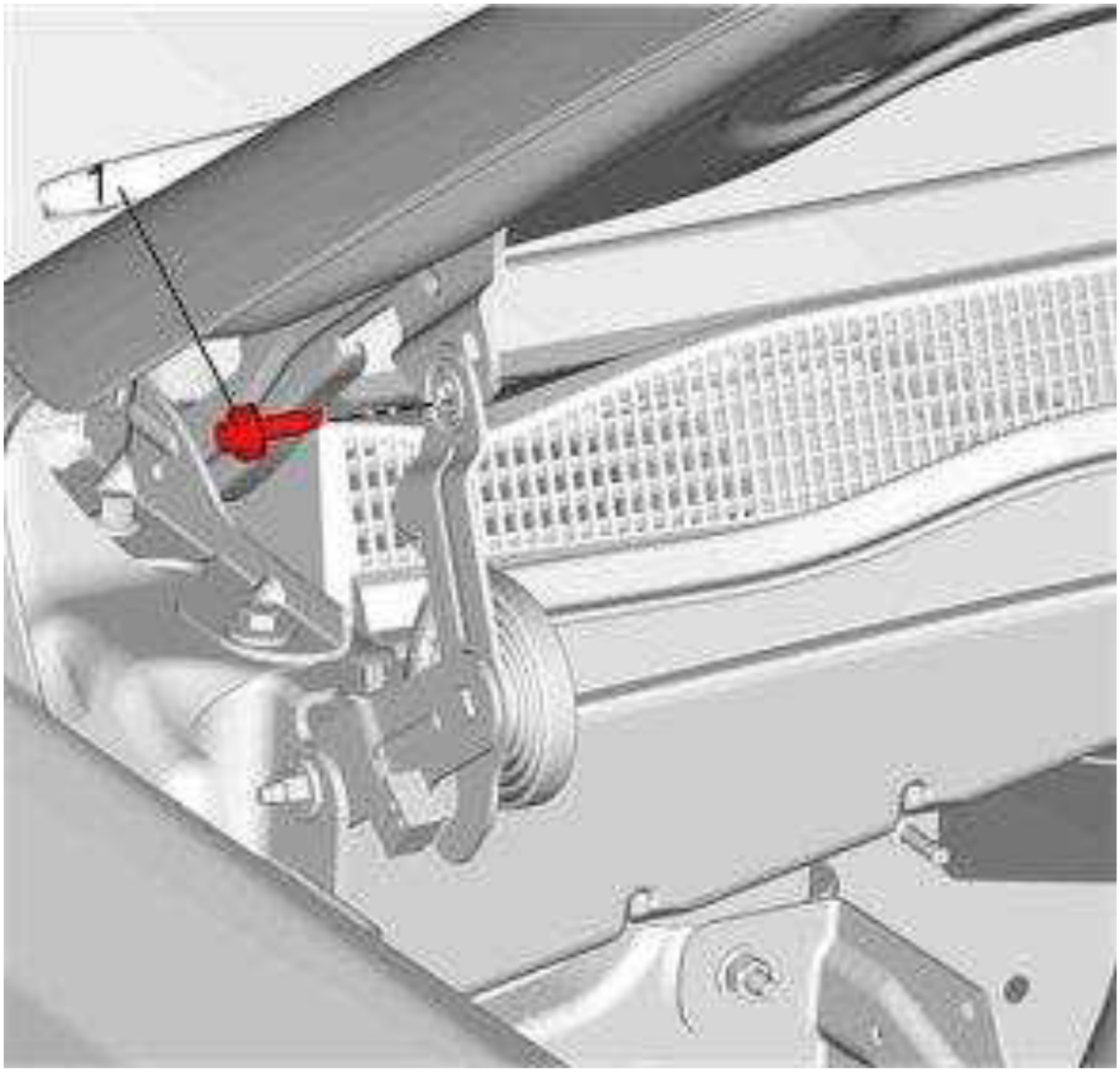


Fig. 45: Hood Open Assist Spring Bolts
Courtesy of GENERAL MOTORS COMPANY

2. Assemble 2 sets of the following: an M8 bolt, 2 each 19.05 mm (0.75 in) flat washers and an M8 nut.
3. Remove the right and left hand air inlet grille panel extensions. Refer to **Air Inlet Grille Panel Extension Replacement (Right Side)** **Air Inlet Grille Panel Extension Replacement (Left Side)** .
4. Have an assistant support the hood.
5. Remove the hood open assist spring bolts (1) and set aside.

cardiagn.com

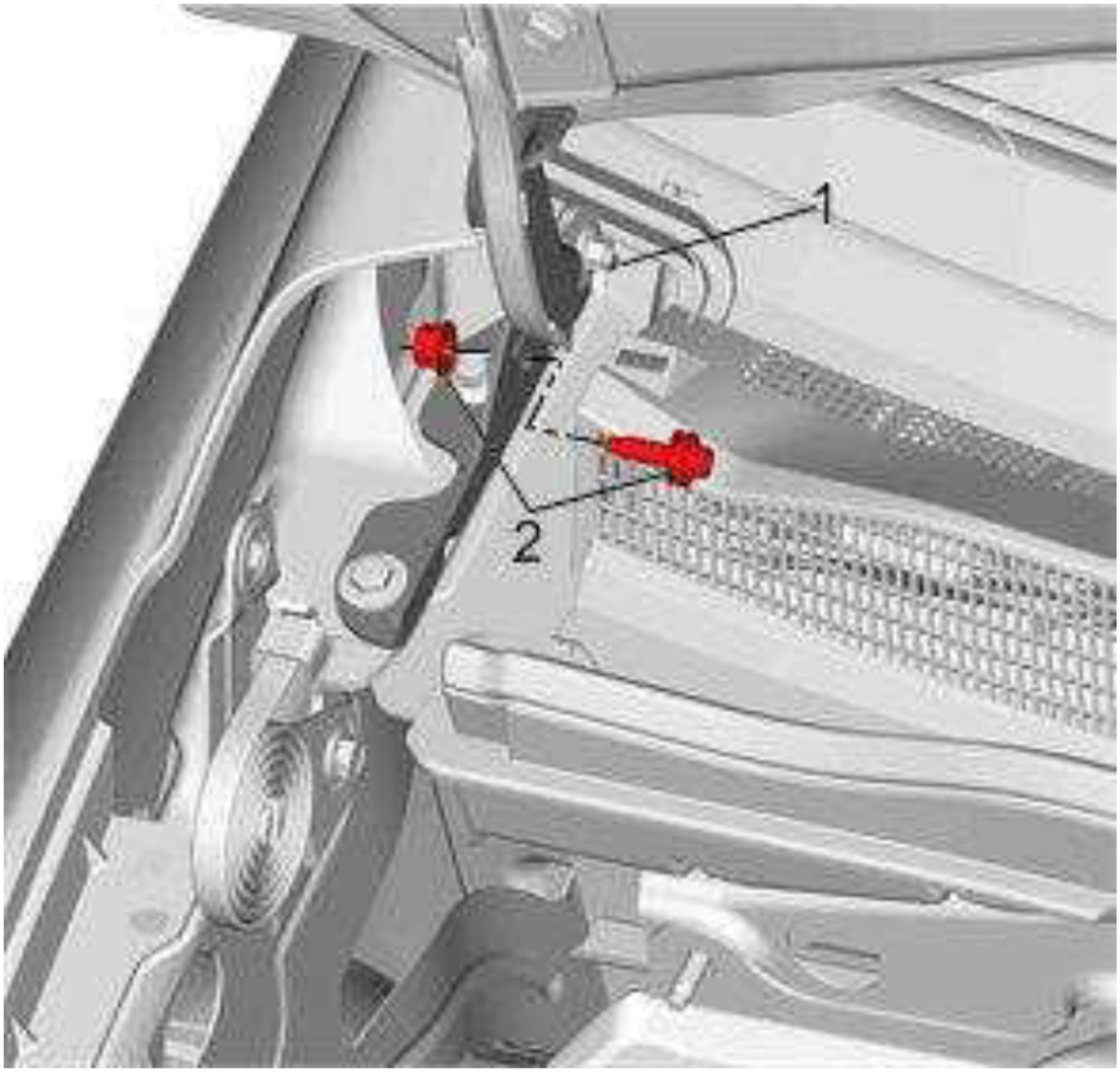


Fig. 46: Hood Position Notch
Courtesy of GENERAL MOTORS COMPANY

NOTE: **There is a positive stop which limits the hood from being opened too far.**

6. Raise the hood until the position notch (1) in the upper hinge is reached.
7. Install the M8 bolts (2) into the hinge holes on the hood side of the hinge with the threaded part of the bolt toward the fenders. The threaded part will cross over the body side of the hinge. Install the washer and only snugly install the nuts.
8. The hood is now set in the service position.

Installation Procedure

cardiagn.com

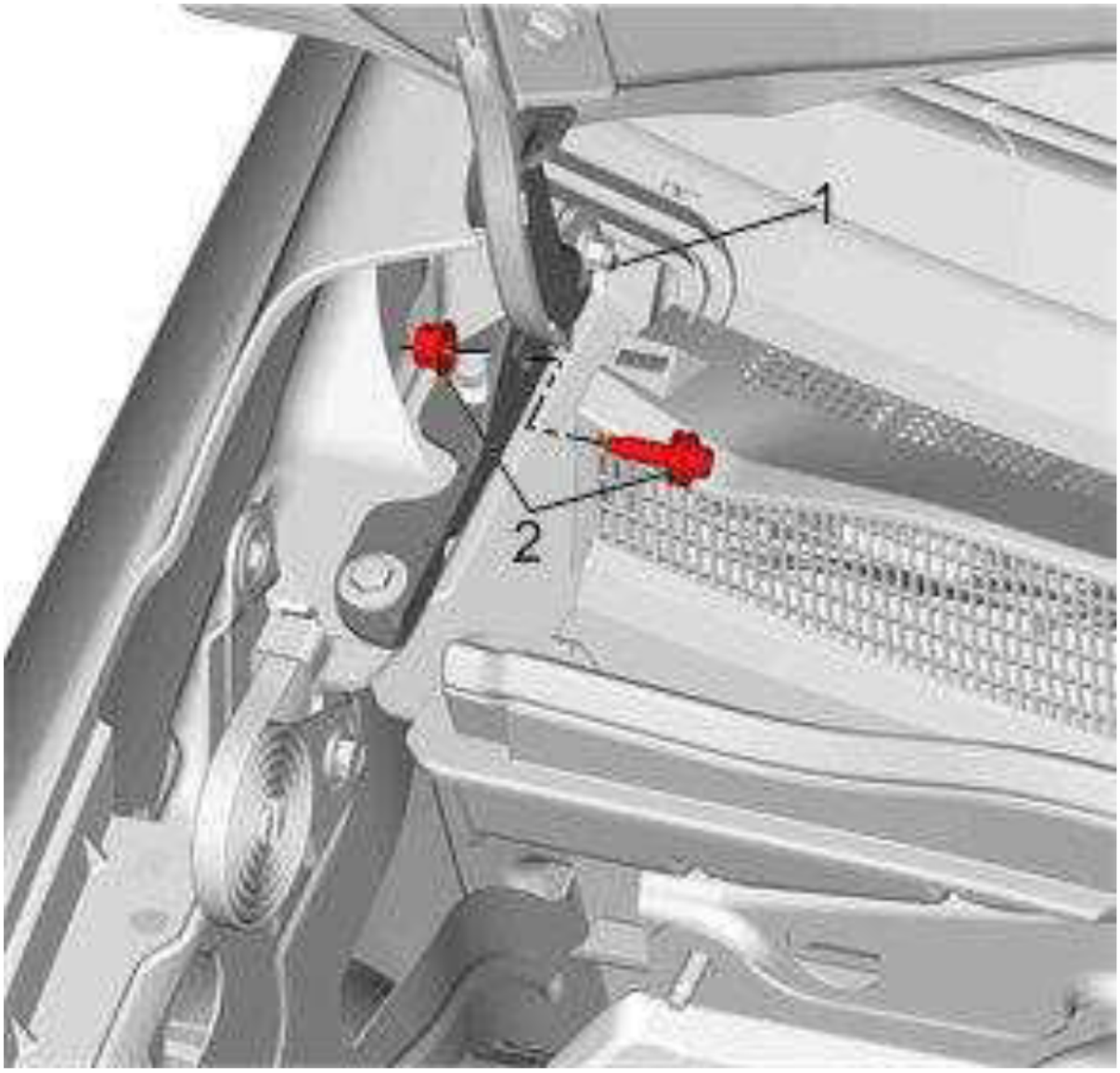


Fig. 47: Hood Position Notch
Courtesy of GENERAL MOTORS COMPANY

NOTE: **There is a positive stop which limits the hood from being opened too far.**

1. With the aid of the assistant raise the hood slightly until the hood hinge bolts can be removed from the service position notch (1).
2. Remove the M8 bolts (2) from the hinge holes on the hood side of the hinge.

cardiagn.com

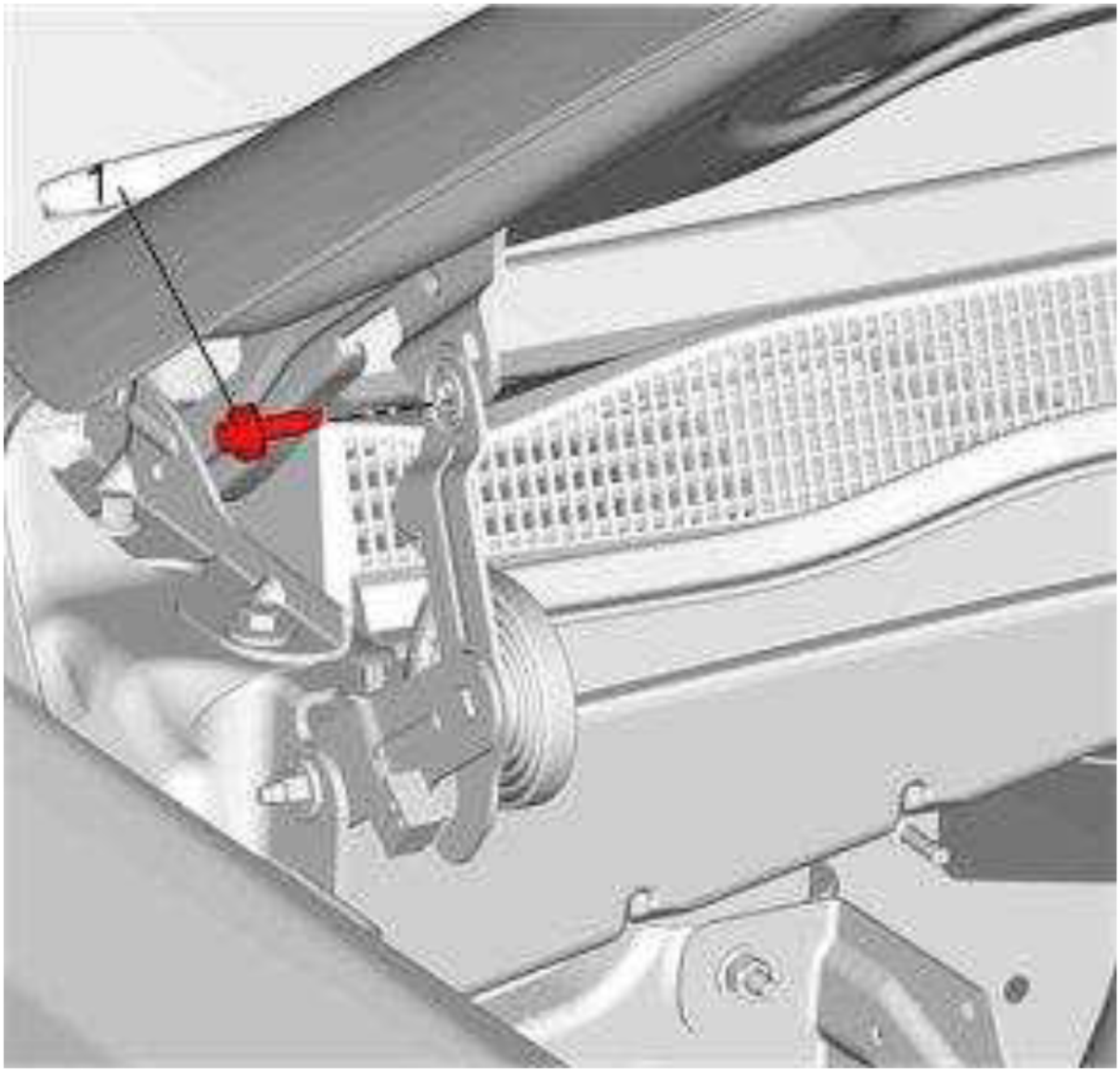


Fig. 48: Hood Open Assist Spring Bolts
Courtesy of GENERAL MOTORS COMPANY

CAUTION: Refer to Fastener Caution .

3. Install the hood open assist spring bolts (1) and tighten to 22 N.m (16 lb ft).
4. Install the right and left hand air inlet grille panel extensions. Refer to Air Inlet Grille Panel Extension Replacement (Right Side) Air Inlet Grille Panel Extension Replacement (Left Side) .
5. Close the hood.

HOOD REPLACEMENT

cardiagn.com

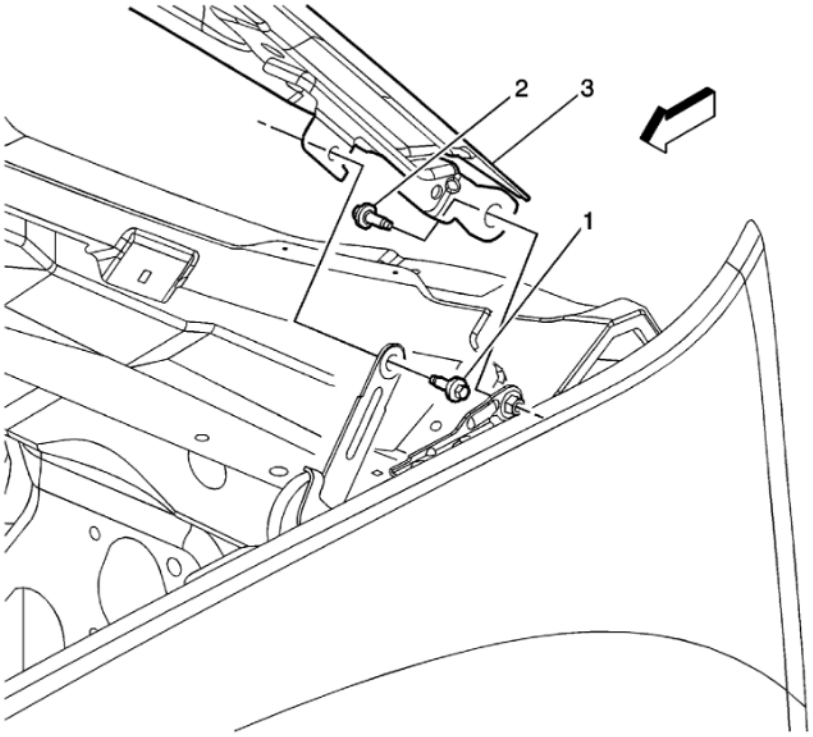


Fig. 49: View Of Hood & Bolts
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
WARNING: **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.** **Preliminary Procedure** 1. Remove the air inlet panel end panels. Refer to **Air Inlet Grille Panel Replacement (LD)** **Air Inlet Grille Panel Replacement (Diesel)** **Air Inlet Grille Panel Replacement (HD)** .	
1	Hood Link Upper Bolt (Qty: 2)

cardiagn.com

Callout	Component Name
	CAUTION: **Refer to** Fastener Tighten Caution . 25 N.m (18 lb ft)
2	Hood Hinge Pivot Bolt (Qty: 2) **Tighten** 25 N.m (18 lb ft)
3	Hood **Procedure** • Disconnect any electrical connectors before removing. • With the aid of an assistant remove the hood. • Transfer any parts as needed. • Adjust hood as needed.

HEADLAMP AND RADIATOR GRILLE MOUNT PANEL REPLACEMENT (WITHOUT LP)

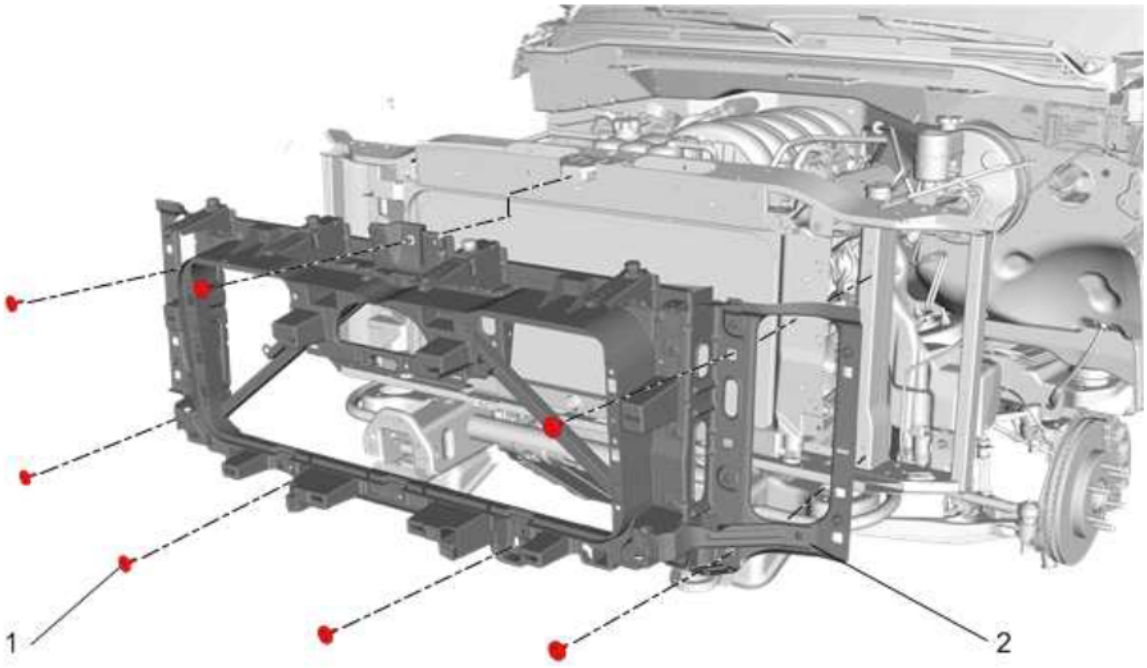


Fig. 50: Headlamp and Radiator Grille Mount Panel (Without LP)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures	

cardiagn.com

Callout	Component Name
1. Remove the front bumper shutter. Refer to **Front Bumper Shutter Replacement** 2. Remove the front right and left hand fenders. Refer to **Front Fender Replacement - Left Side**, **Front Fender Replacement - Right Side** 3. Remove the hood latch. Refer to **Hood Primary and Secondary Latch Replacement** 4. Reposition the hood primary and secondary latch cable.	
1	Headlamp and Radiator Grille Mount Panel Bolt **CAUTION:** **Refer to** **Fastener Caution** . **Tighten** 25 N.m (18 lb ft)
2	Headlamp and Radiator Grille Mount Panel

HEADLAMP AND RADIATOR GRILLE MOUNT PANEL REPLACEMENT (WITH LP5)

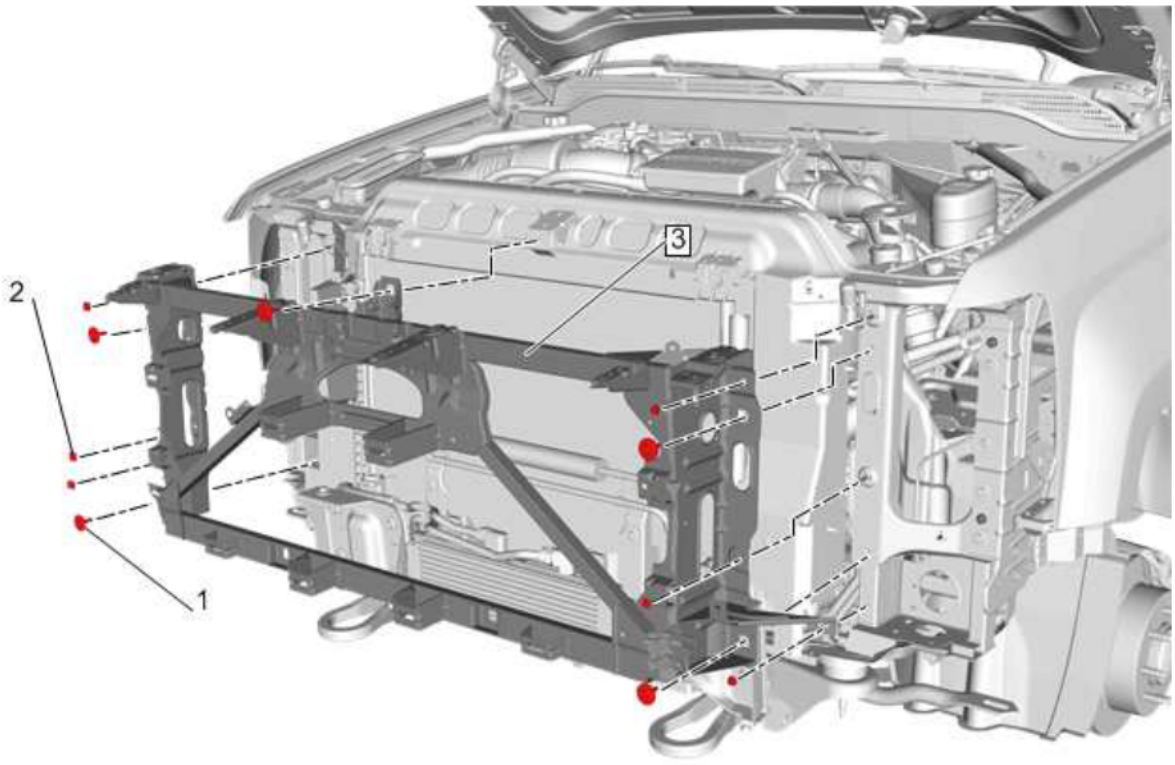


Fig. 51: Headlamp and Radiator Grille Mount Panel (With LP5)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures	

cardiagn.com

Callout	Component Name
1. **Front Bumper Shutter Replacement** 2. **Hood Primary and Secondary Latch Replacement** 3. Reposition the hood primary and secondary latch cable.	
1	Headlamp and Radiator Grille Mount Panel Bolt **CAUTION:** **Refer to Fastener Caution .** **Tighten** 2 N.m (18 lb ft)
2	Headlamp and Radiator Grille Mount Panel Nut **Tighten** 9 N.m (80 lb in)
3	Headlamp and Radiator Grille Mount Panel

HOOD FRONT BUMPER REPLACEMENT

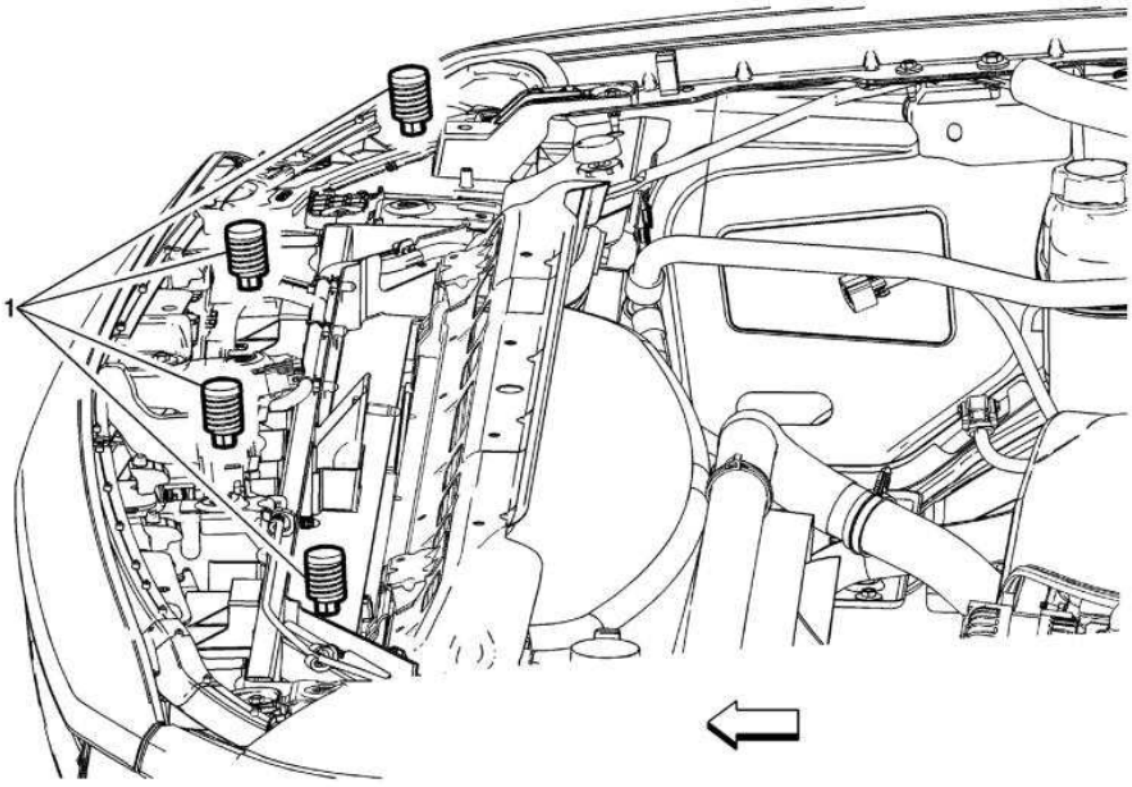


Fig. 52: Hood Front Bumper
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood Bumper (Qty: 4)

cardiagn.com

Callout	Component Name
	NOTE: **Install the hood bumper until the hood closes flush with the fender.**

HOOD PRIMARY AND SECONDARY LATCH REPLACEMENT

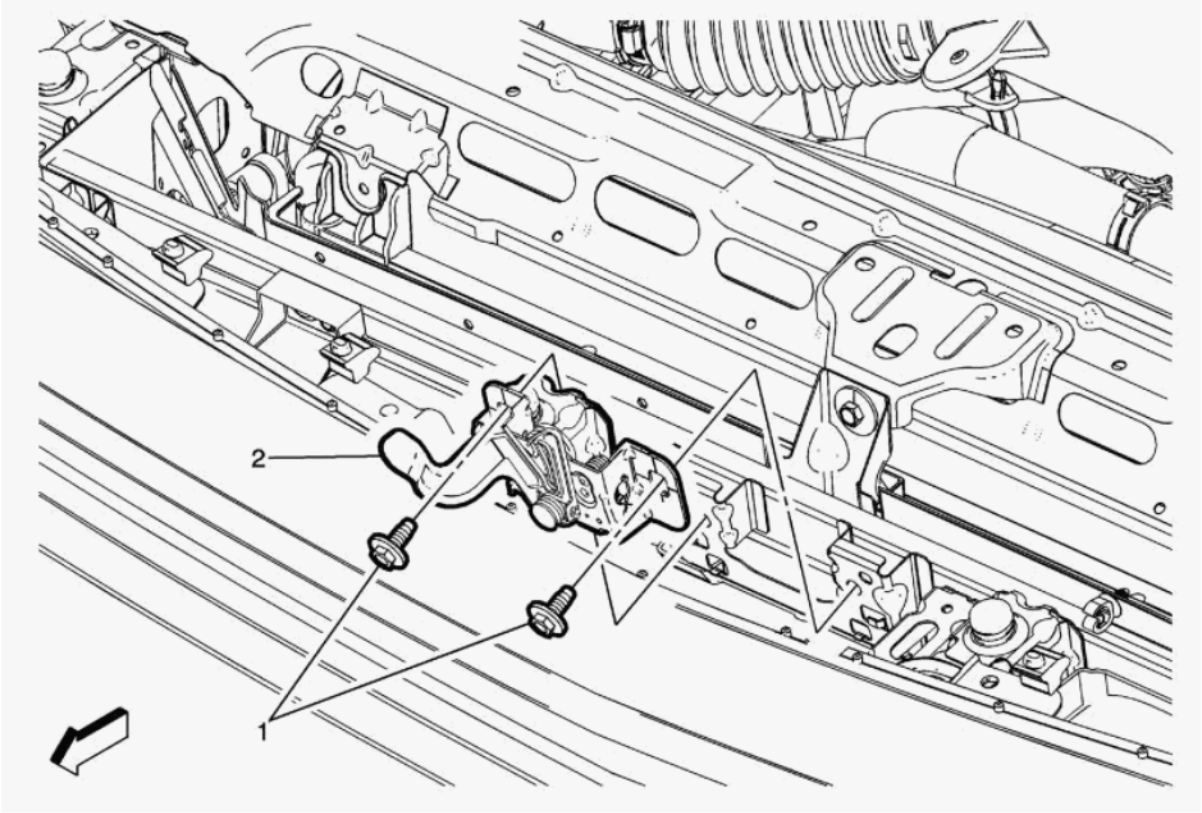


Fig. 53: Hood Primary and Secondary Latch
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Remove the front compartment front sight shield. Refer to **Front Compartment Front Sight Shield Replacement**	
1	Hood Primary and Secondary Latch Bolts (Qty: 2) **CAUTION:** **Refer to Fastener Caution .** **NOTE:**

cardiagn.com

Callout	Component Name
	Use a grease pencil to mark the location of the hood latch before removing the bolts. **Tighten** 22 (16 lb ft)
2	Hood Primary and Secondary Latch **Procedure** 1. Disconnect the hood release cable from hood latch. 2. Disconnect any electrical connectors. 3. Align the hood latch if necessary.

FRONT SIDE DOOR CHECK LINK REPLACEMENT

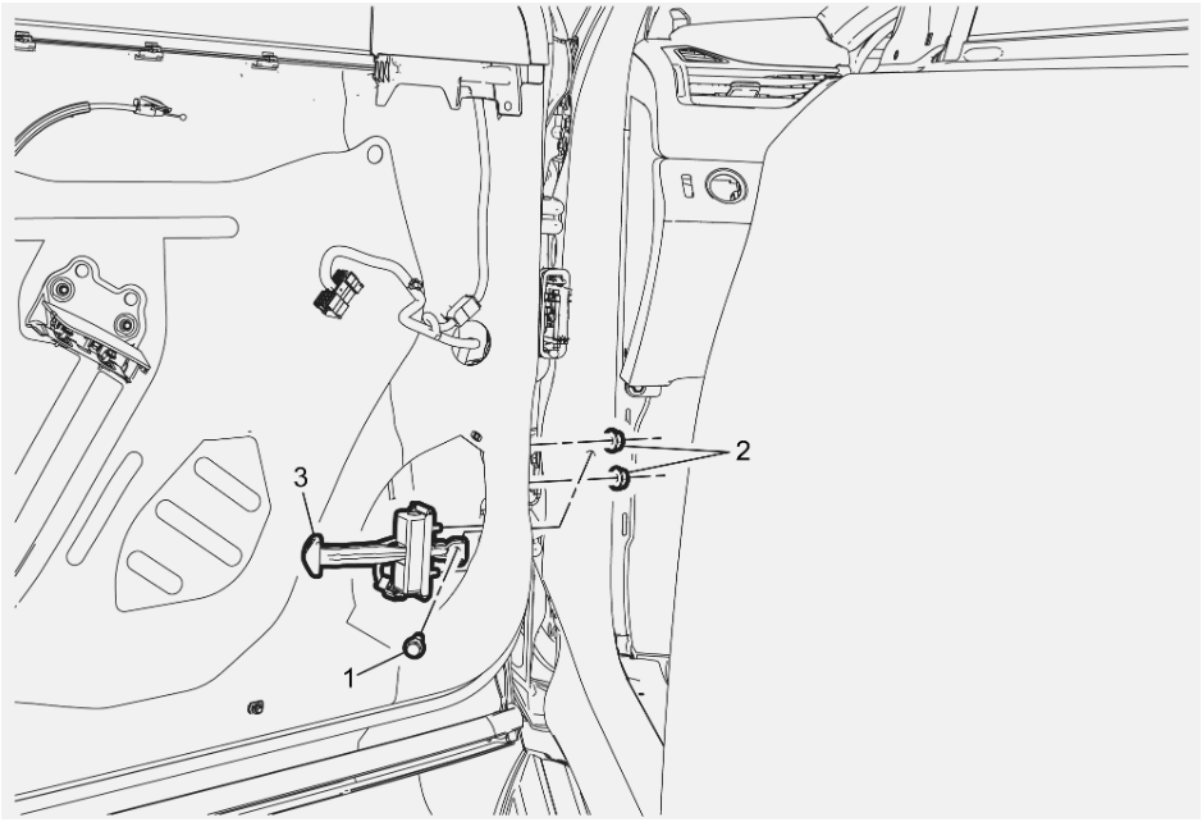


Fig. 54: Front Side Door Check Link
Courtesy of GENERAL MOTORS COMPANY

cardiagn.com

Callout	Component Name
Preliminary Procedure 1. Open the door to the full open position. 2. Place the window in the full up position. 3. Remove the front side door speaker. Refer to **Radio Front Side Door Speaker Replacement** .	
1	Front Side Door Check Link Bolt **CAUTION:** **Refer to Fastener Caution .** **Tighten** 22 N.m (16 lb ft)
2	Front Side Door Check Link Nut (Qty: 2) **Tighten** 10 N.m (89 lb in)
3	Front Side Door Check Link **NOTE:** **Inspect the door for proper operation before installing the door trim.**

REAR SIDE DOOR CHECK LINK REPLACEMENT (CREW CAB)

cardiagn.com

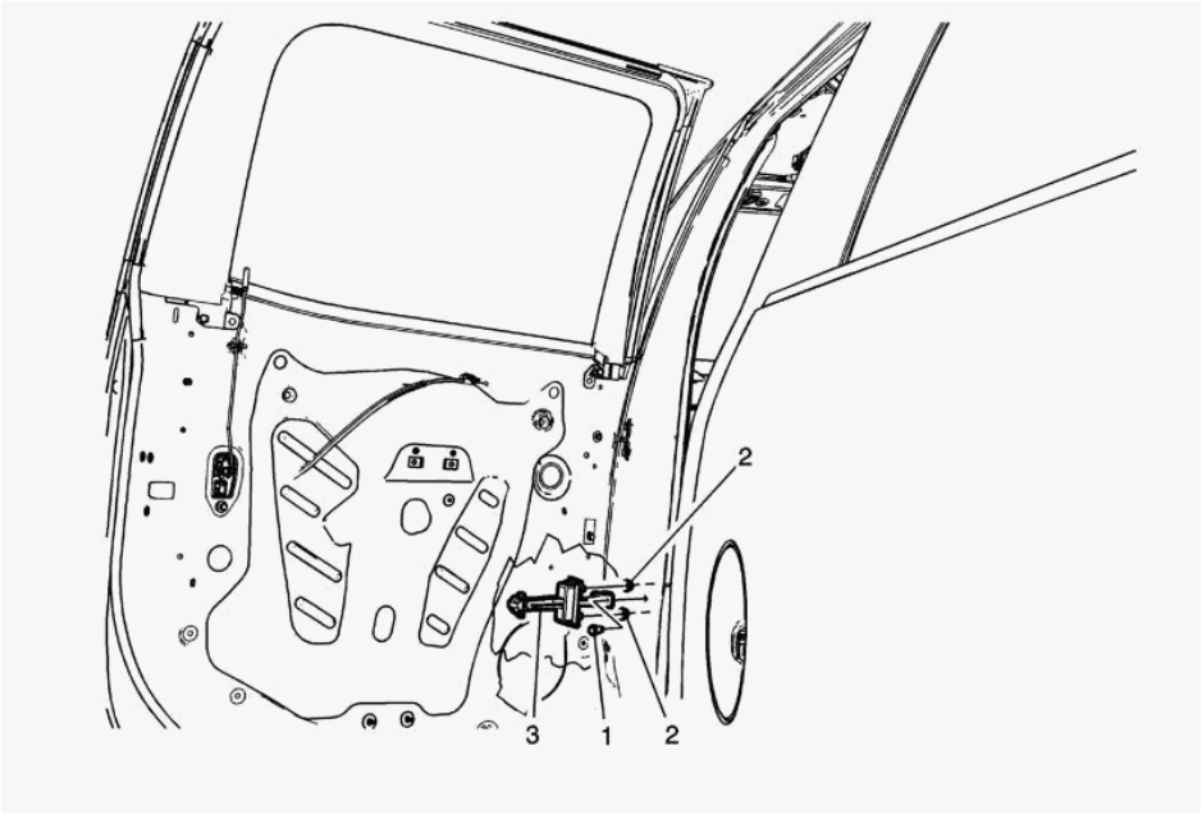


Fig. 55: Rear Side Door Check Link (Crew Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure 1. Place the door in the full open position. 2. Place the window in the full up position. 3. Remove rear side door speaker. Refer to **Radio Rear Side Door Speaker Replacement** .	
1	Rear Side Door Check Link Body Side Bolt **CAUTION:** **Refer to** **Fastener Caution** **Tighten** 22 N.m (16 lb ft)
2	Rear Side Door Check Link Nut (Qty: 2) **Tighten** 9 N.m (79 lb in)
3	Rear Side Door Check Link **NOTE:**

cardiagn.com

Callout	Component Name
	Inspect the door for proper operation before installing the door trim.

REAR SIDE DOOR CHECK LINK REPLACEMENT (EXTENDED CAB)

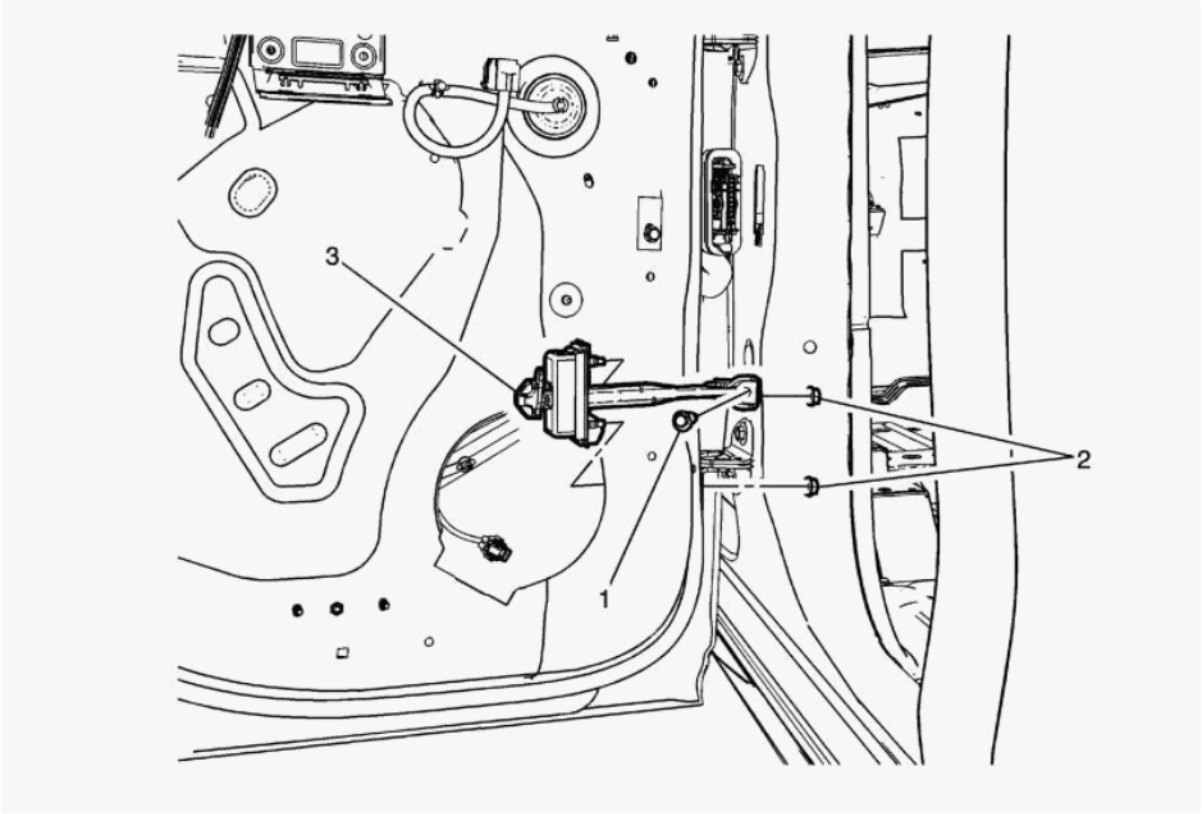


Fig. 56: Rear Side Door Check Link (Extended Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure 1. Place the door in the full open position. 2. Place the window in the full up position. 3. Remove rear side door speaker. Refer to **Radio Rear Side Door Speaker Replacement** .	

cardiagn.com

Callout	Component Name
1	Rear Side Door Check Link Body Side Bolt **CAUTION:** **Refer to Fastener Caution** **Tighten** 22 N.m (16 lb ft)
2	Rear Side Door Check Link Nut (Qty: 2) **Tighten** 9 N.m (79 lb in)
3	Rear Side Door Check Link **NOTE:** **Inspect the door for proper operation before installing the door trim.**

FUEL TANK FILLER DOOR REPLACEMENT

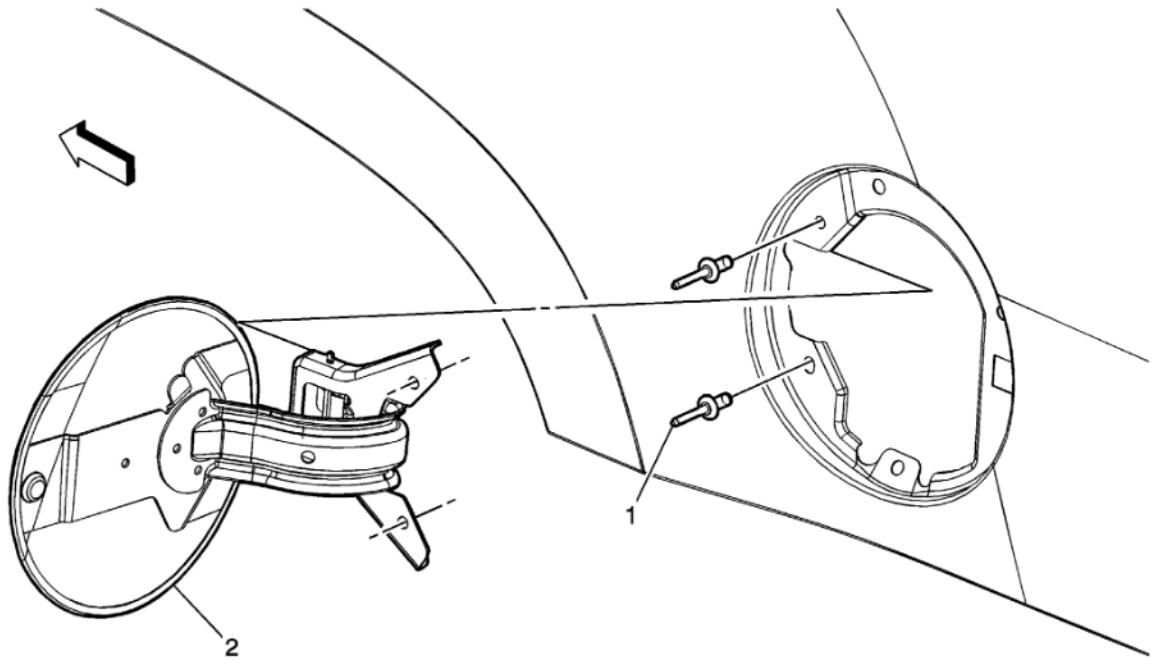


Fig. 57: View Of Fuel Filler Door Assembly & Rivets

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Fuel Tank Filler Door Rivets (Qty: 2)
2	Fuel Tank Filler Door Assembly

FUEL TANK FILLER PIPE HOUSING REPLACEMENT

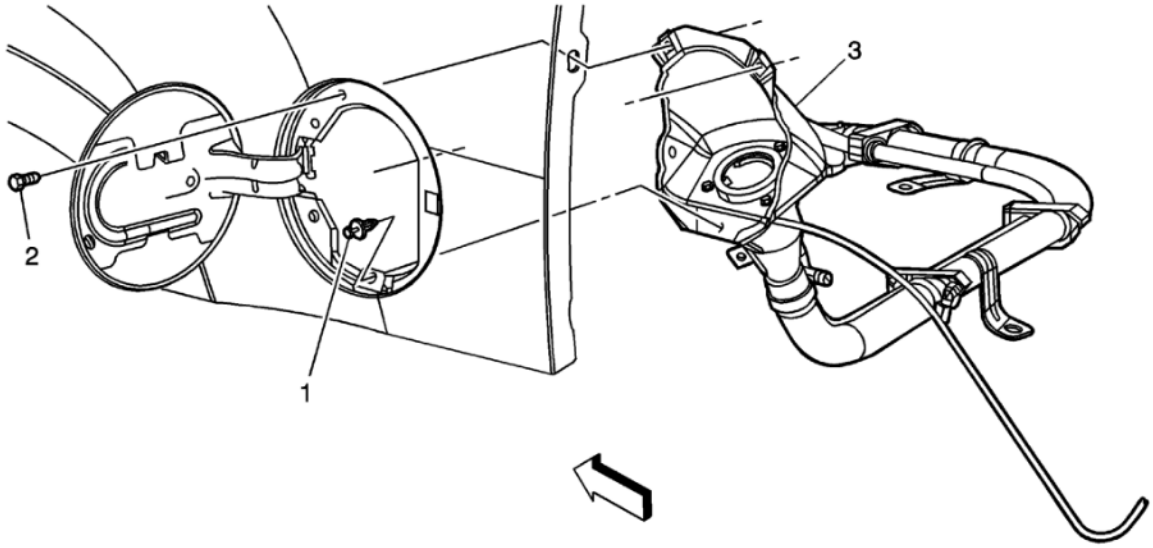


Fig. 58: View Of Fuel Tank Filler Pipe Housing
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Disconnect the fuel tank filler pipe from the fuel tank filler pipe housing. Refer to Fuel Tank Filler Pipe Replacement (15 Reg/Ext/Crew Cab w/34 Gal Tank) Fuel Tank Filler Pipe Replacement (15 Ext/Crew Cab With 26 Gal Tank) Fuel Tank Filler Pipe Replacement (15 Reg Cab With 26 Gal Tank) .	
1	Fuel Tank Filler Pipe Housing Plastic Retainer
2	Fuel Tank Filler Pipe Housing Screws (Qty: 2) **CAUTION:** **Refer to** Fastener Caution . **Tighten**

cardiagn.com

Callout	Component Name
	5 N.m (44 lb in)
3	Fuel Tank Filler Pipe Housing

ENDGATE TORQUE ROD REPLACEMENT

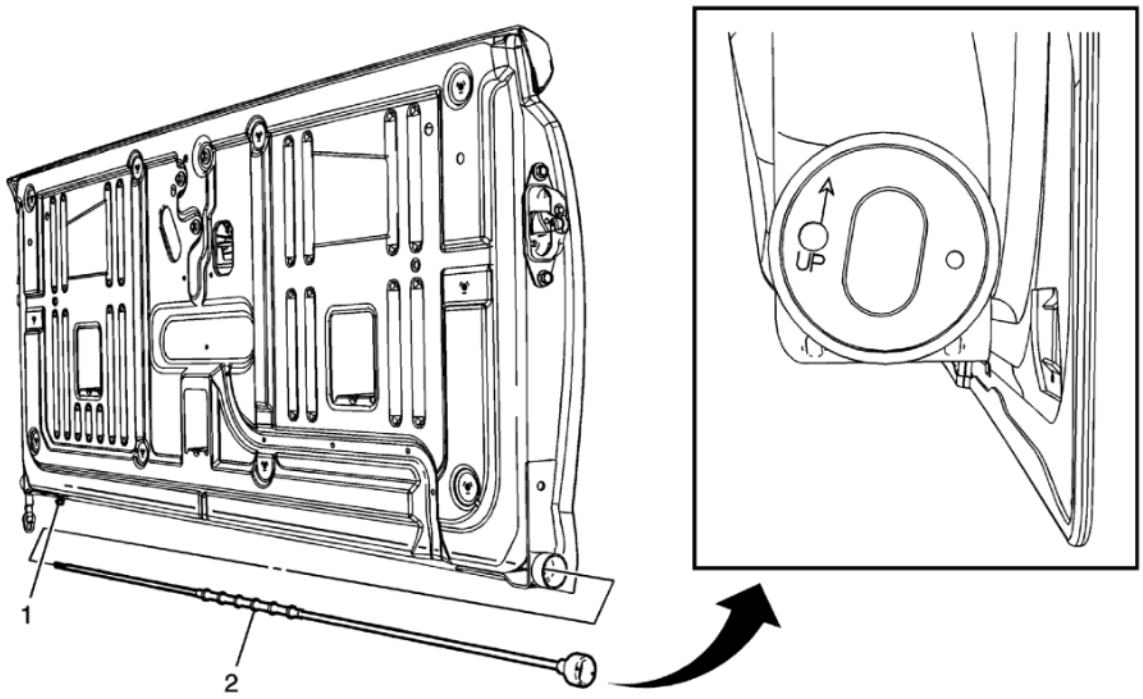


Fig. 59: Identifying Endgate Torque Rod
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Remove the endgate. Refer to **Pickup Box Endgate Replacement**.	
1	Torque Rod Retainer Bolt **CAUTION:** **Refer to Fastener Caution .** **NOTE:** **Loosen bolt only, DO NOT remove.** **Tighten** 12 N.m (106 lb in)

cardiagn.com

Callout	Component Name
2	Torque Rod Assembly

HOOD SIDE WEATHERSTRIP REPLACEMENT (2500, 3500)

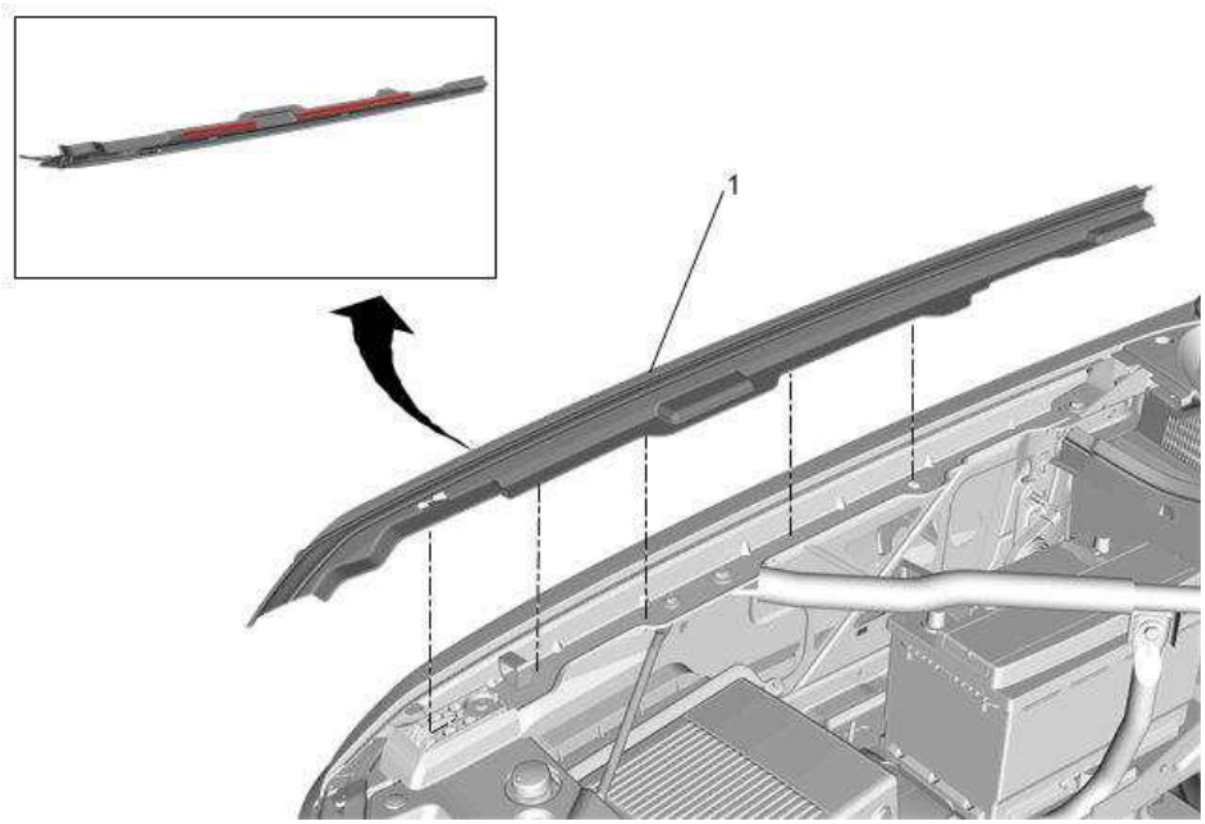


Fig. 60: Hood Side Weatherstrip (2500, 3500)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood Side Weatherstrip **NOTE:** **The double sided tape has extra bonding strength, use caution when removing weatherstrip.** **Procedure** 1. Release the front retainer. 2. Clean the mounting surface using a mixture of 50 percent isopropyl alcohol and 50 percent water by volume, or high-flash naphtha.

cardiagn.com

FRONT COMPARTMENT FRONT SIGHT SHIELD REPLACEMENT

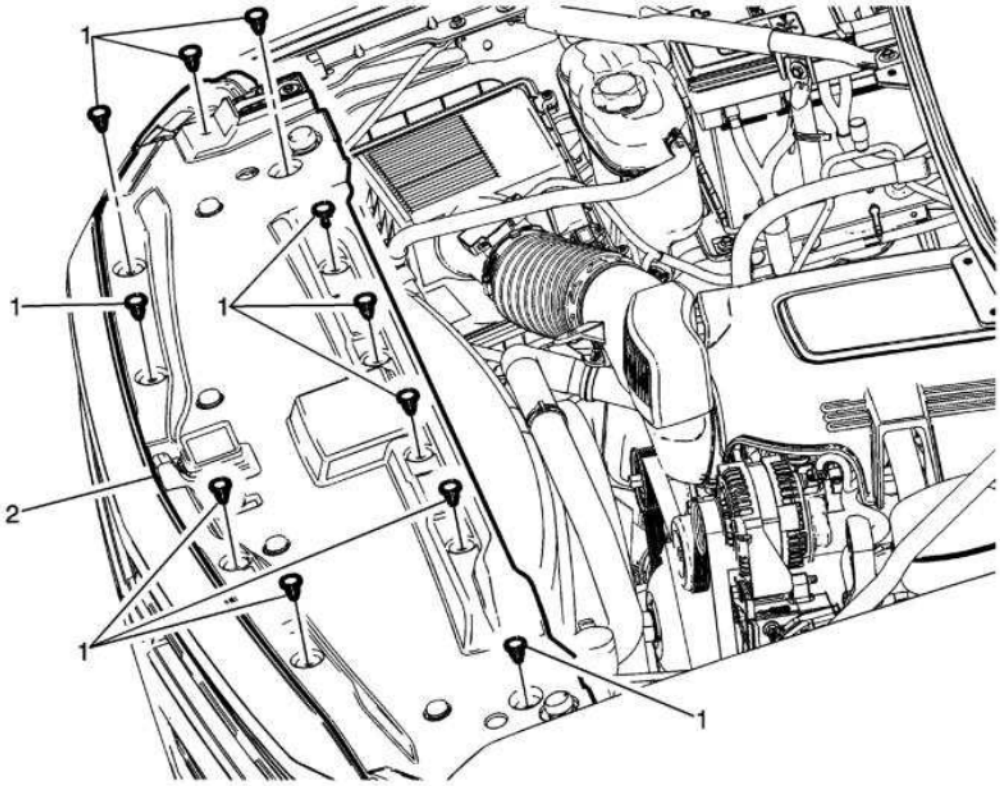


Fig. 61: Front Compartment Front Sight Shield
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Compartment Front Sight Shield Push-In Retainer (Qty: 12)
2	Front Compartment Front Sight Shield

REAR SIDE DOOR LOWER AUXILIARY WEATHERSTRIP REPLACEMENT (CREW CAB)

cardiagn.com

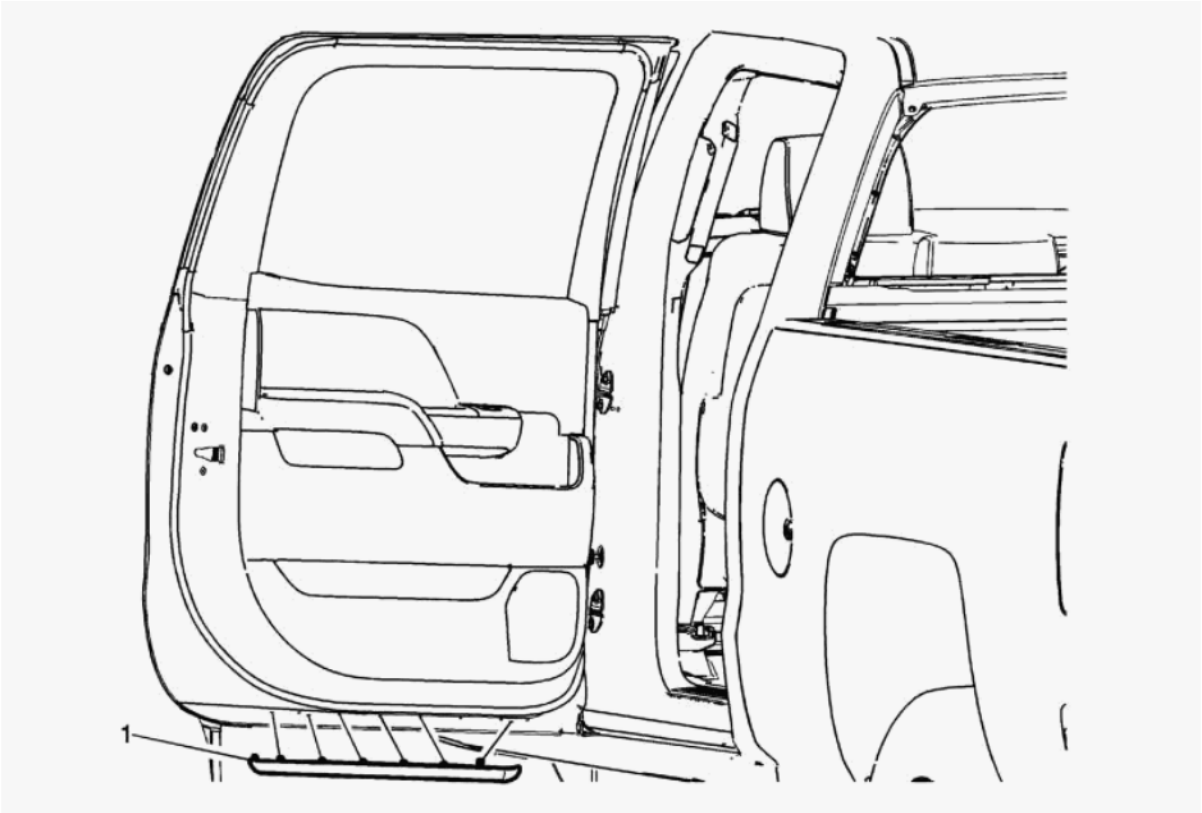


Fig. 62: Rear Side Door Lower Auxiliary Weatherstrip (Crew Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Rear Side Door Lower Auxiliary Weatherstrip **Procedure** 1. Open the rear side door to full open position. 2. Unclip the rear side door lower auxiliary weatherstrip from the front door. **NOTE:** **Inspect the door to ensure a proper seal after the weatherstrip has been replaced.**

REAR SIDE DOOR LOWER AUXILIARY WEATHERSTRIP REPLACEMENT (EXTENDED CAB)

cardiagn.com

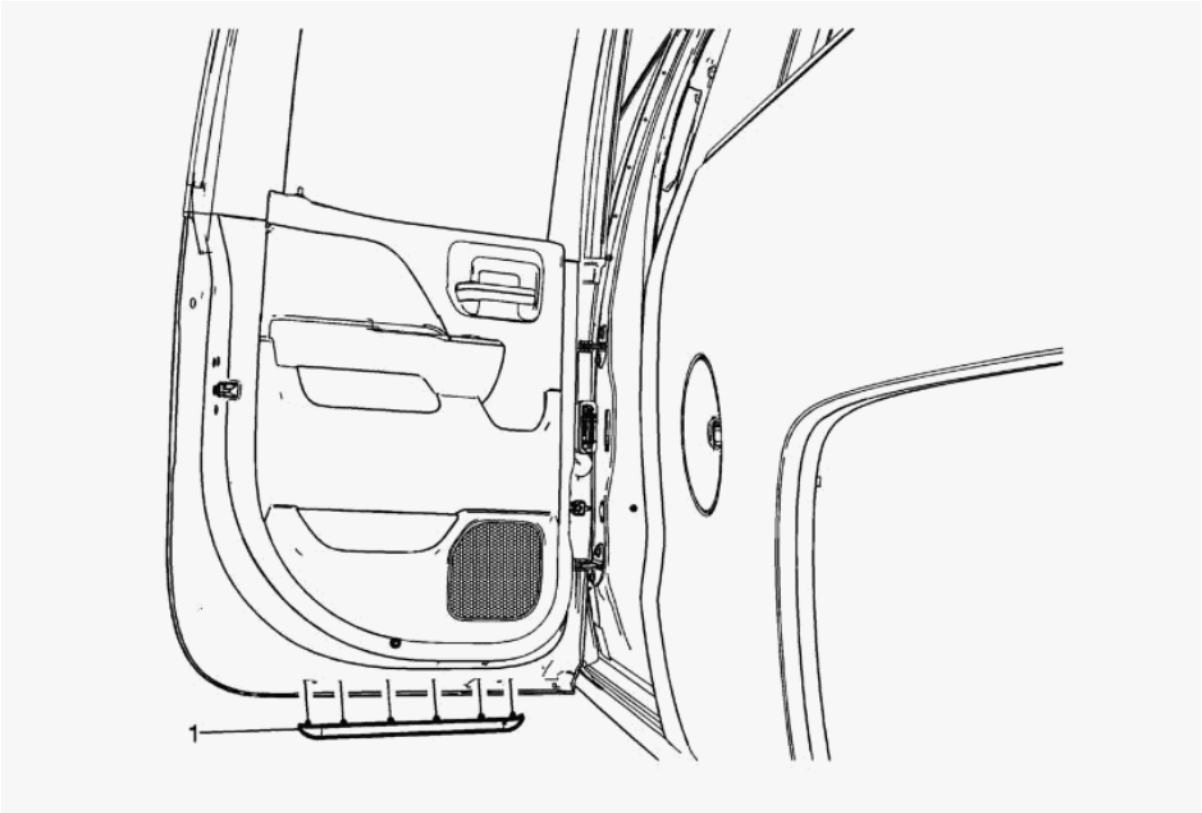


Fig. 63: Rear Side Door Lower Auxiliary Weatherstrip (Extended Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Rear Side Door Lower Auxiliary Weatherstrip **Procedure** 1. Open the rear side door to full open position. 2. Unclip the rear side door lower auxiliary weatherstrip from the front door. **NOTE:** **Inspect the door to ensure a proper seal after the weatherstrip has been replaced.**

RADIATOR LOWER SUPPORT REPLACEMENT

Removal Procedure

1. Drain the cooling system. Cooling System Draining and Filling (Static Fill LC8 L96) Cooling System Draining and Filling (Vac N Fill LC8 L96) Cooling System Draining and Filling (Vac N Fill L83 L86) Cooling System Draining and Filling (Static Fill L83 L86) Cooling System Draining and

cardiagn.com

Filling (Static Fill LV3) Cooling System Draining and Filling (Vac N Fill LV3) Cooling System Draining and Filling (Vac N Fill L8B) Cooling System Draining and Filling (GE 47716 L5P) Cooling System Draining and Filling (Static L5P)

2. Evacuate the refrigerant system. Refrigerant Recovery and Recharging (R-134a) Refrigerant Recovery and Recharging (R-1234yf)
3. Disconnect the battery negative cable. Battery Negative Cable Disconnection and Connection (L96 LC8) Battery Negative Cable Disconnection and Connection (L83, L8B, LV3) Battery Negative Cable Disconnection and Connection (Dual Battery) Battery Negative Cable Disconnection and Connection (L5P)
4. Raise the vehicle. Lifting and Jacking the Vehicle
5. Remove the front tire and wheel assembly. Tire and Wheel Removal and Installation (6-Lug Wheel) Tire and Wheel Removal and Installation (8-Lug Wheel) Tire and Wheel Removal and Installation (Dual Rear Wheels)

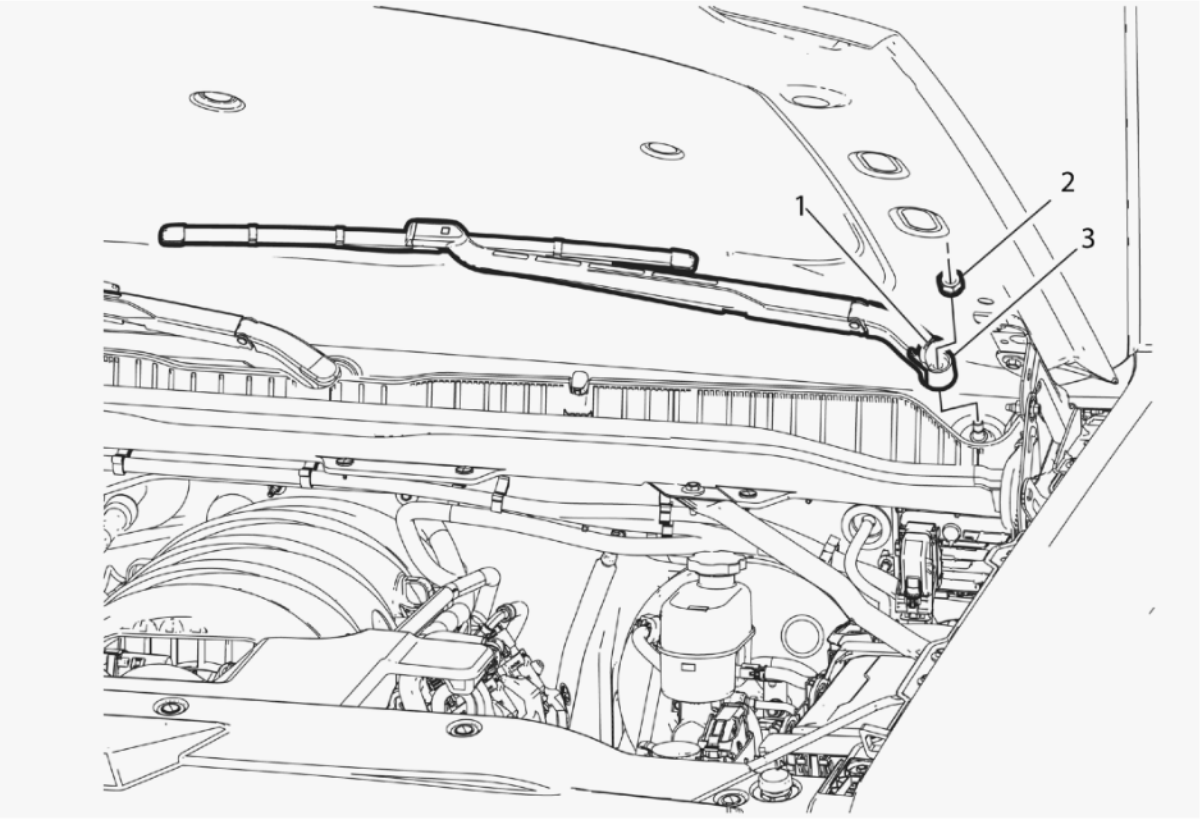


Fig. 64: Windshield Wiper Arm (LD)
Courtesy of GENERAL MOTORS COMPANY

6. Windshield Wiper Arm (3) - Remove Windshield Wiper Arm Replacement (LD) Windshield Wiper Arm Replacement (Diesel) Windshield Wiper Arm Replacement (HD)

cardiagn.com

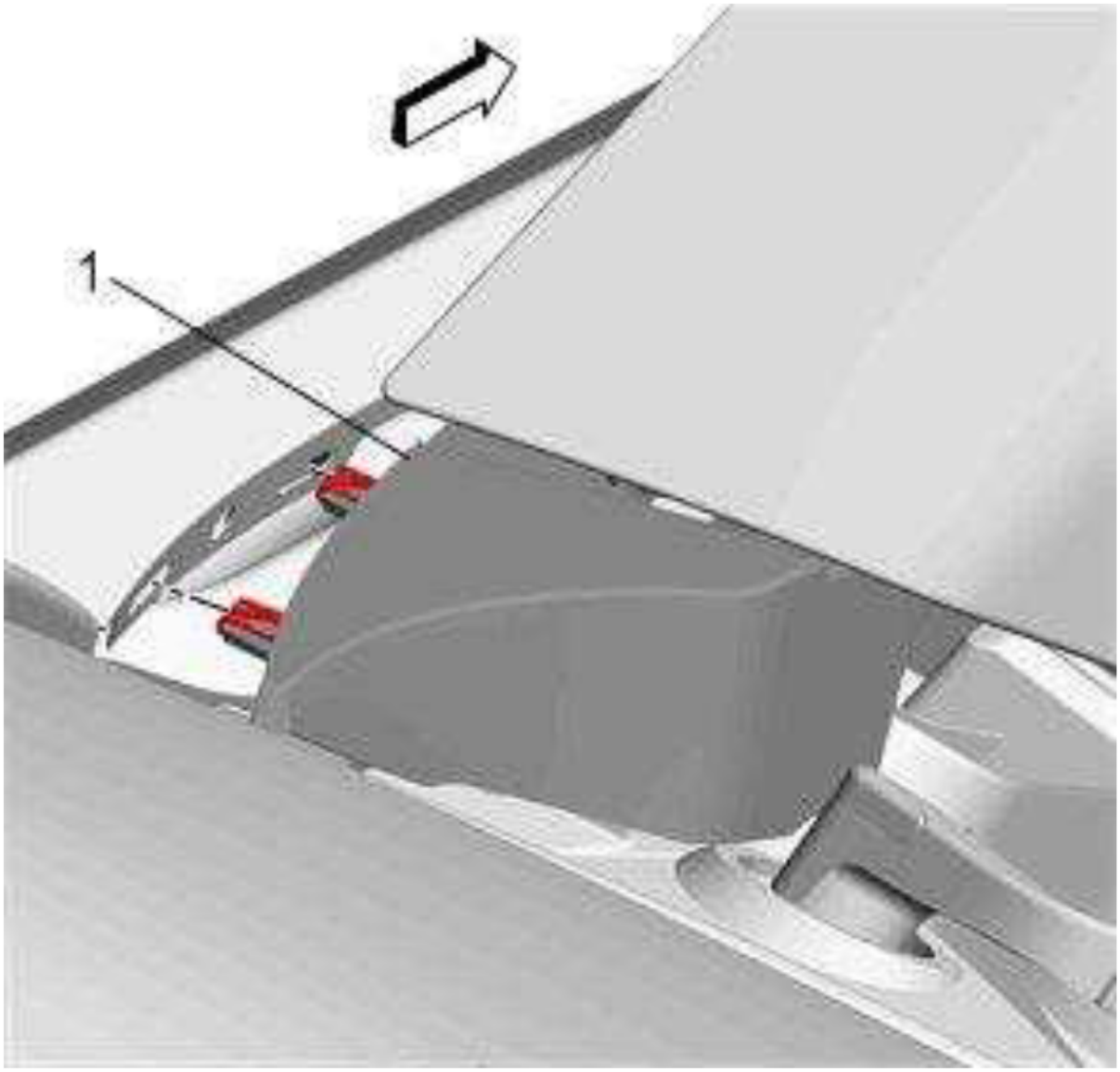


Fig. 65: Inlet Grille Panel Extension
Courtesy of GENERAL MOTORS COMPANY

7. Air Inlet Grille Panel Extension (1) - Remove **Air Inlet Grille Panel Extension Replacement (Right Side)** **Air Inlet Grille Panel Extension Replacement (Left Side)**

cardiagn.com

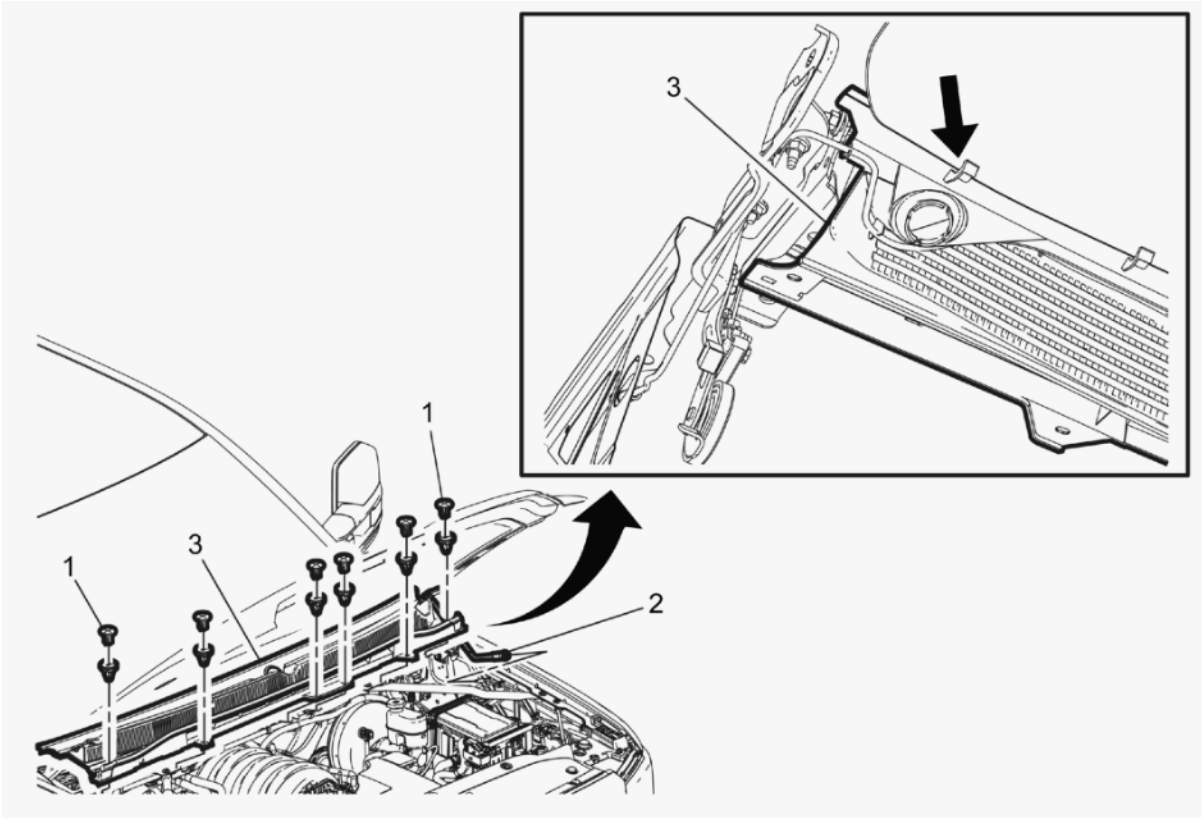


Fig. 66: Air Inlet Grille Panel (LD)
Courtesy of GENERAL MOTORS COMPANY

8. Air Inlet Grille Panel (3) - Remove **Air Inlet Grille Panel Replacement (LD)** **Air Inlet Grille Panel Replacement (Diesel)** **Air Inlet Grille Panel Replacement (HD)**

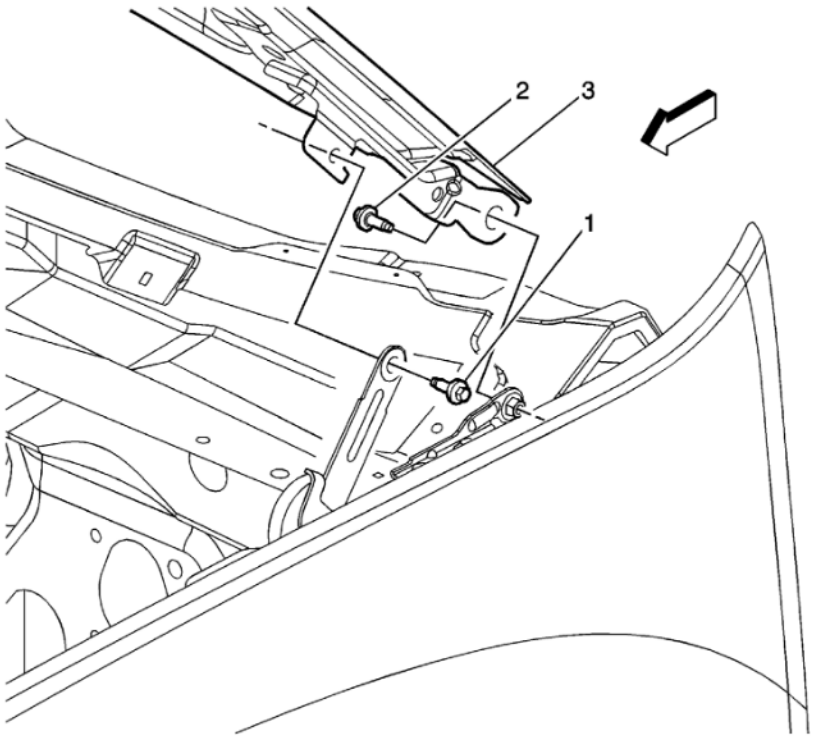


Fig. 67: View Of Hood & Bolts

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

9. Hood (3) - Remove **Hood Replacement**

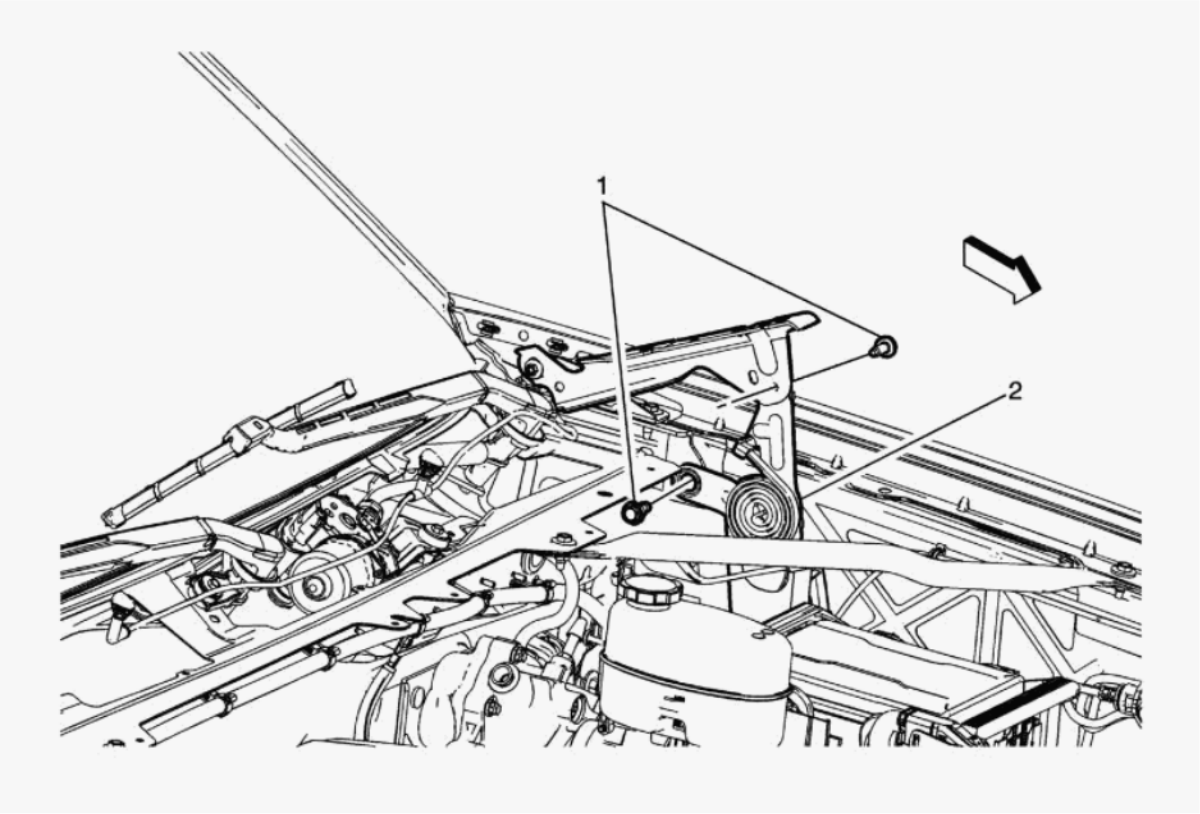


Fig. 68: Hood Open Assist Spring
Courtesy of GENERAL MOTORS COMPANY

10. Hood Open Assist Spring (2) - Remove **Hood Open Assist Spring Replacement**

cardiagn.com

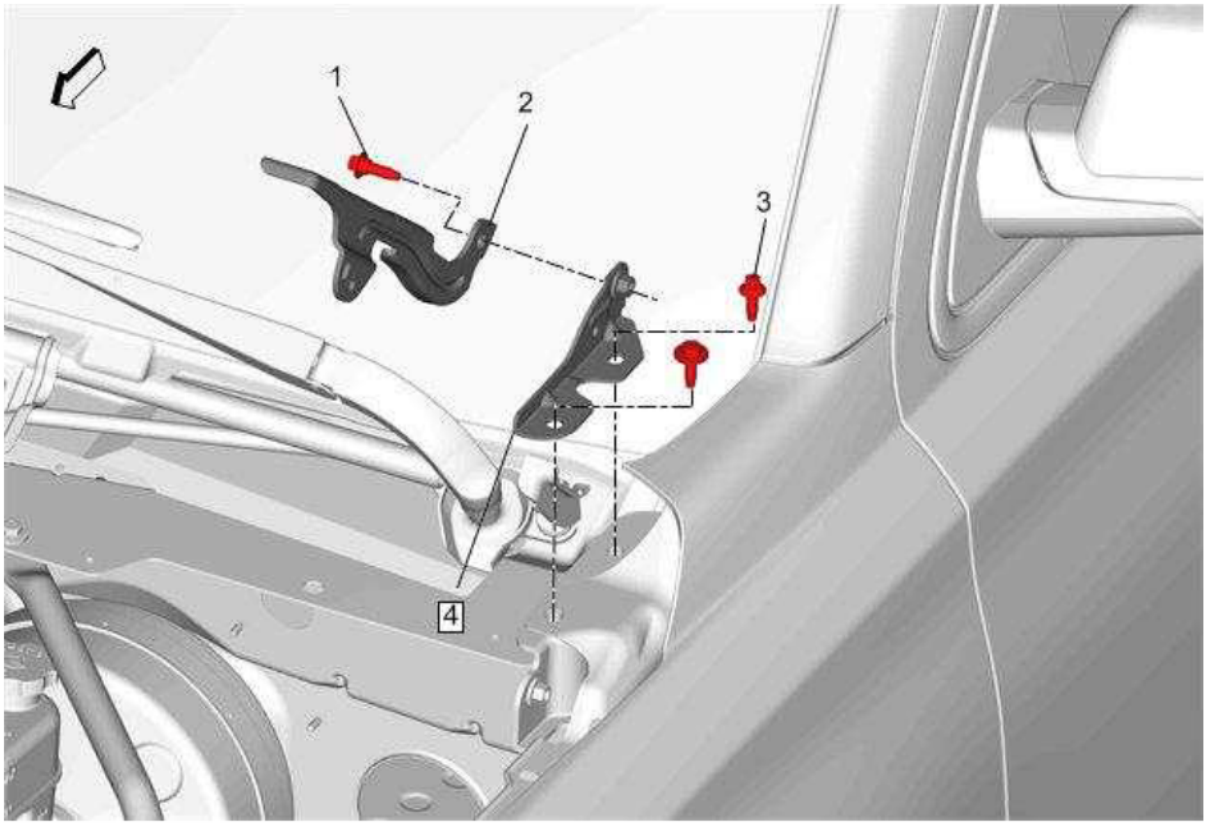


Fig. 69: Hood Hinge
Courtesy of GENERAL MOTORS COMPANY

11. Hood Hinge (4) - Remove **Hood Hinge Replacement**

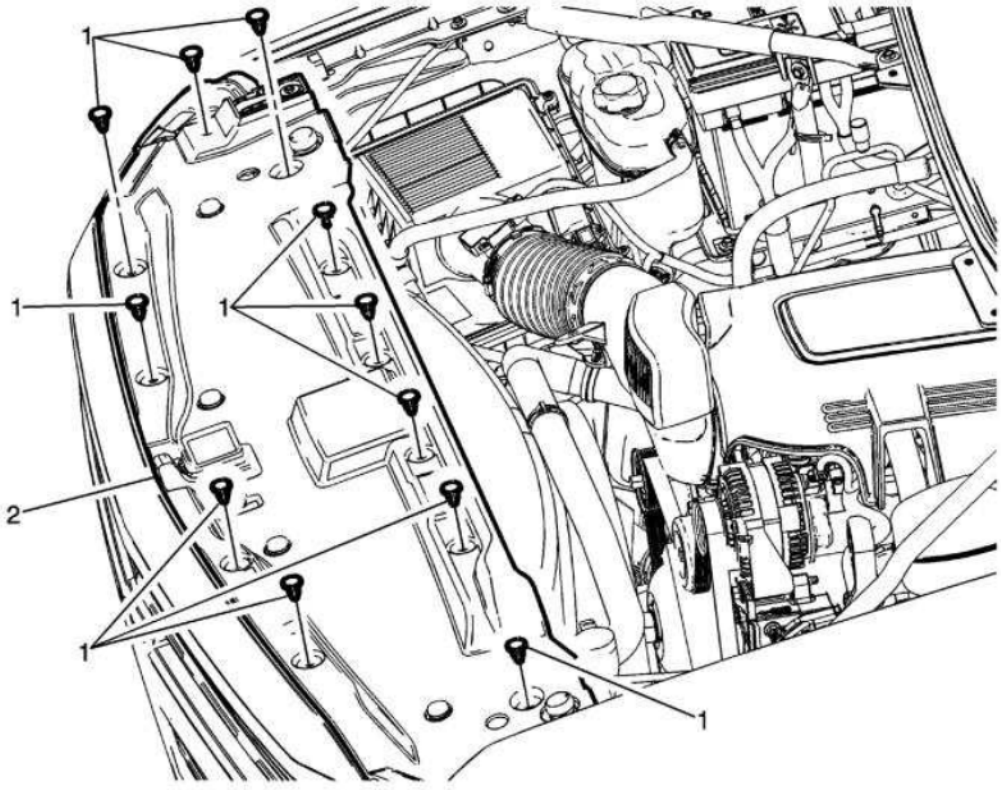


Fig. 70: Front Compartment Front Sight Shield

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

12. Front Compartment Front Sight Shield (2) - Remove **Front Compartment Front Sight Shield Replacement**

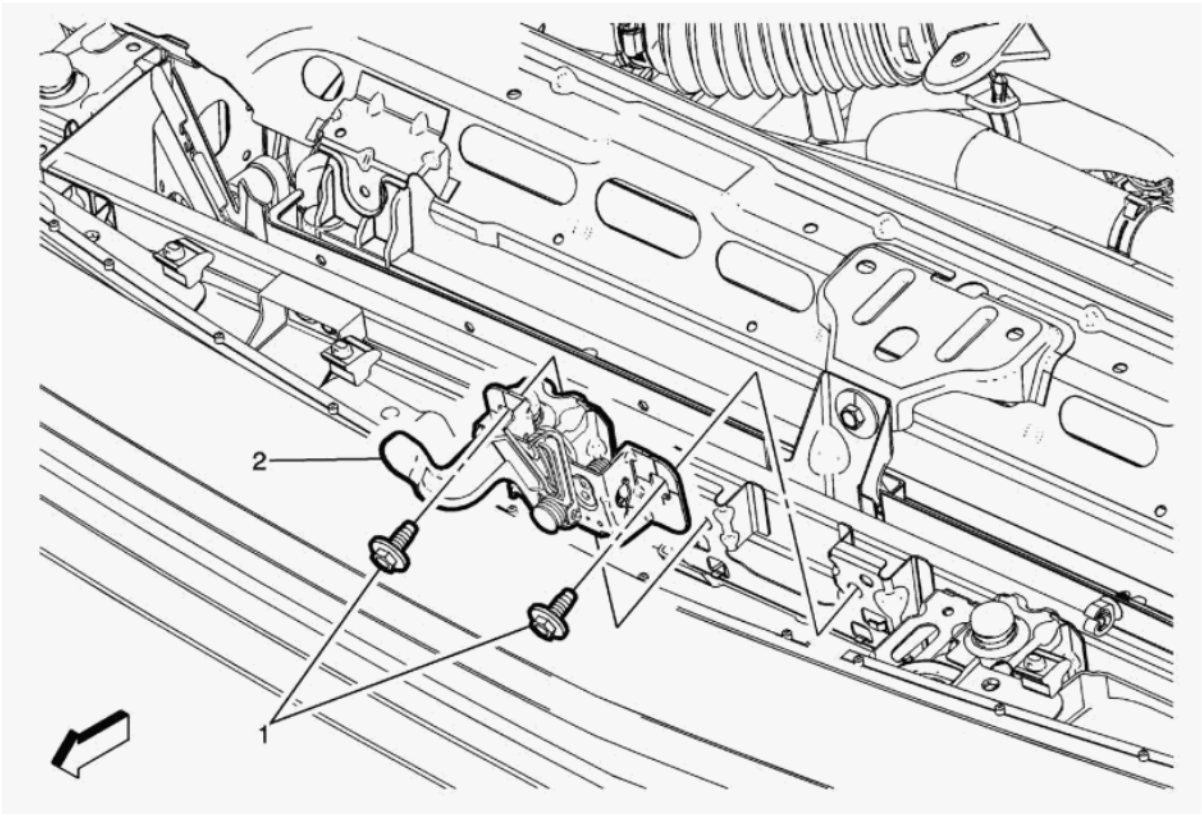


Fig. 71: Hood Primary and Secondary Latch
Courtesy of GENERAL MOTORS COMPANY

13. Hood Primary and Secondary Latch (2) - Remove **Hood Primary and Secondary Latch Replacement**

cardiagn.com

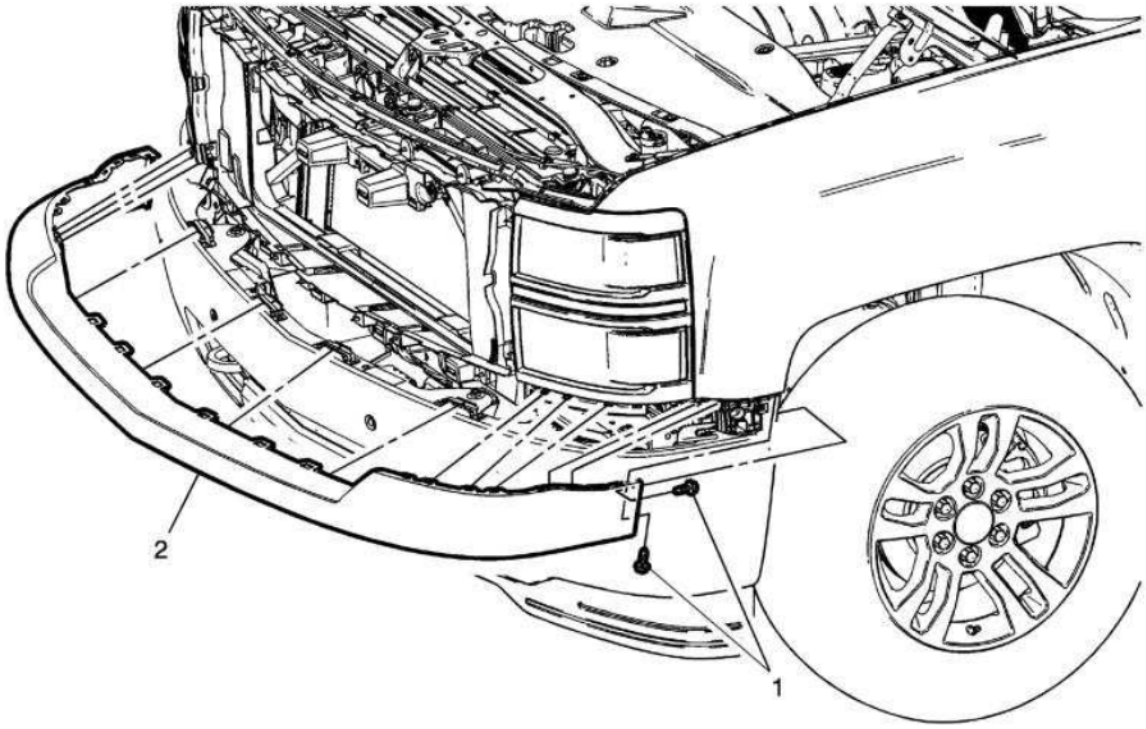


Fig. 72: Front Bumper Fascia Trim Cap (Chevrolet)
Courtesy of GENERAL MOTORS COMPANY

14. Front Bumper Fascia Trim Cap (2) - Remove **Front Bumper Fascia Trim Cap Replacement (GMC)**

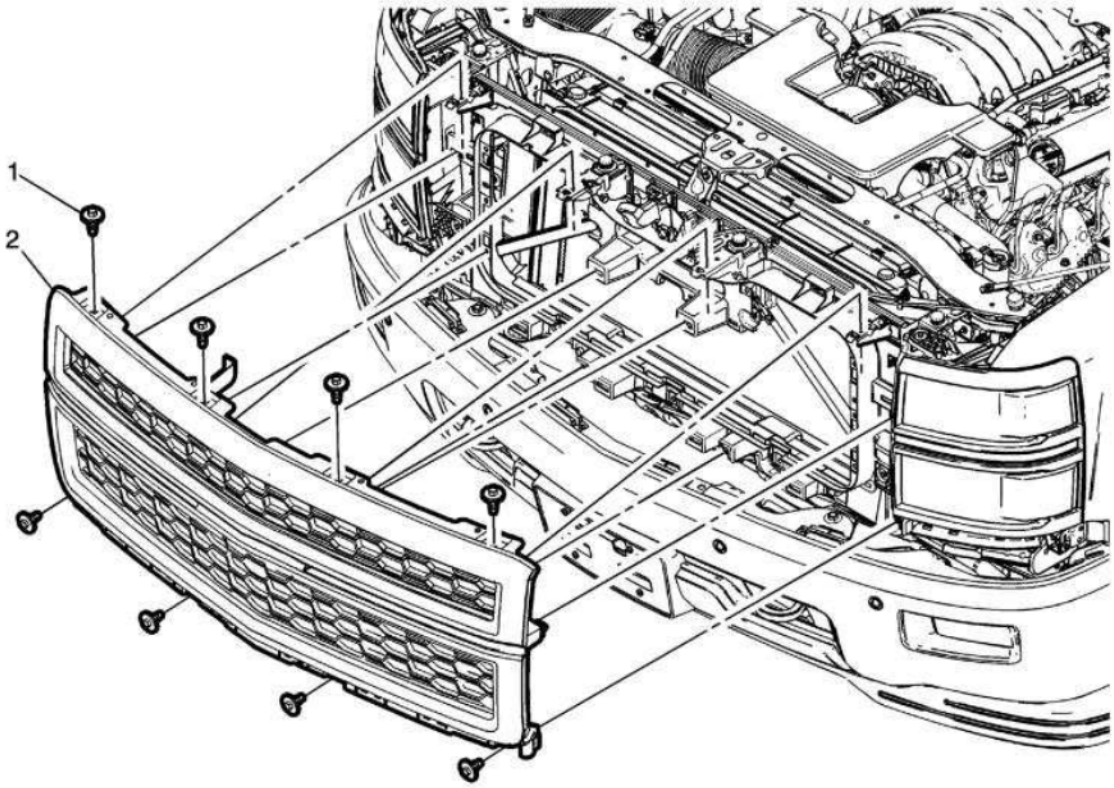


Fig. 73: Front Grille (Chevrolet)

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

15. Front Grille(2) - Remove **Front Grille Replacement (GMC)** **Front Grille Replacement (Chevrolet 2500 3500)** **Front Grille Replacement (GMC 2500 3500)** **Front Grille Replacement (Chevrolet)**

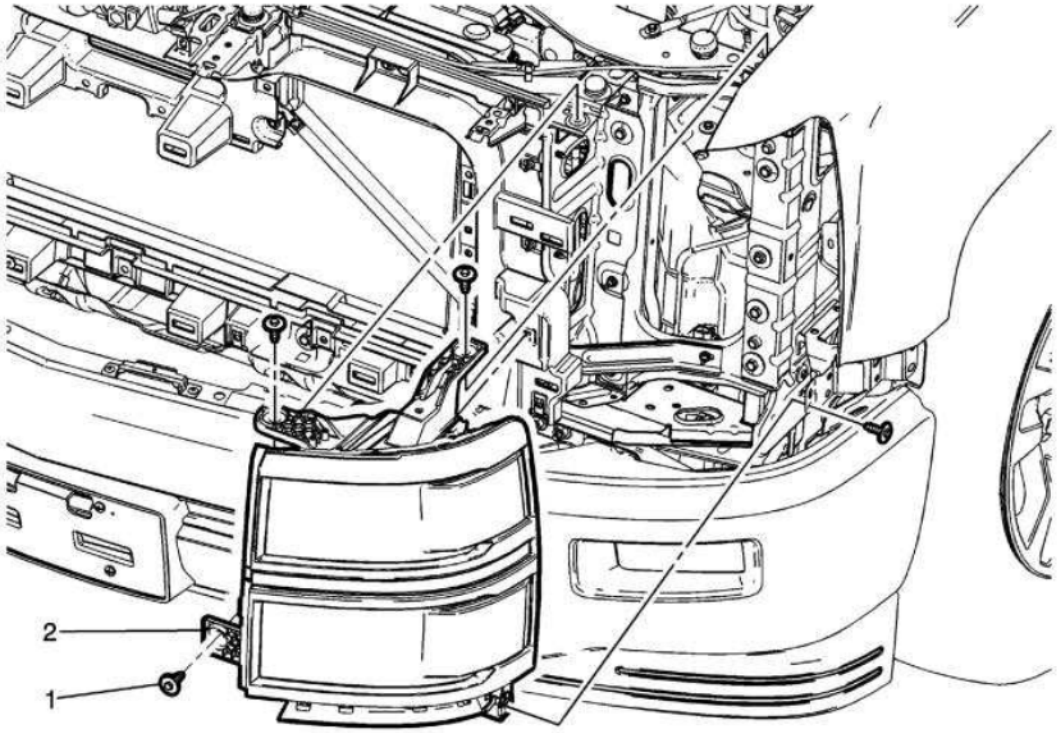


Fig. 74: Headlamp (Chevrolet)
Courtesy of GENERAL MOTORS COMPANY

16. Headlamp(2) - Remove**Headlamp Replacement (GMC 1500)** **Headlamp Replacement (Chevrolet - Left Side)** **Headlamp Replacement (Chevrolet - Right Side)** **Headlamp Replacement (GMC 2500, 3500)**

cardiagn.com

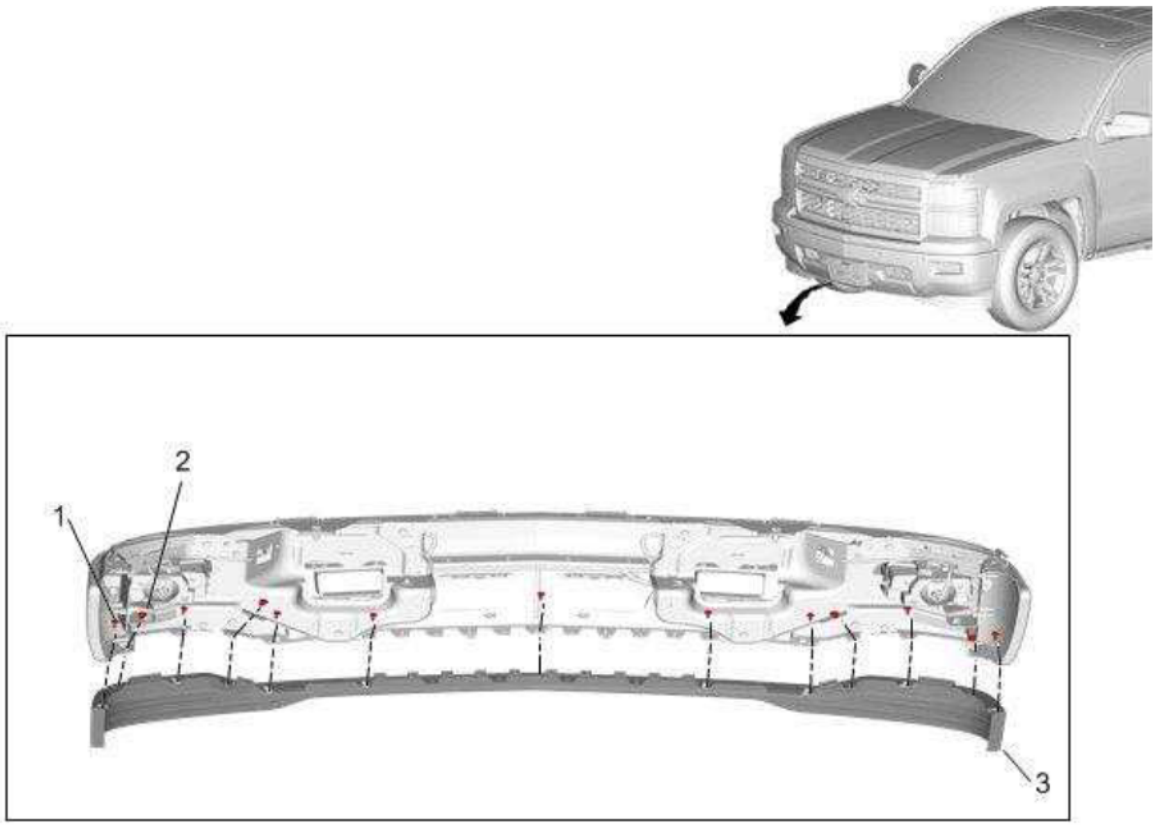
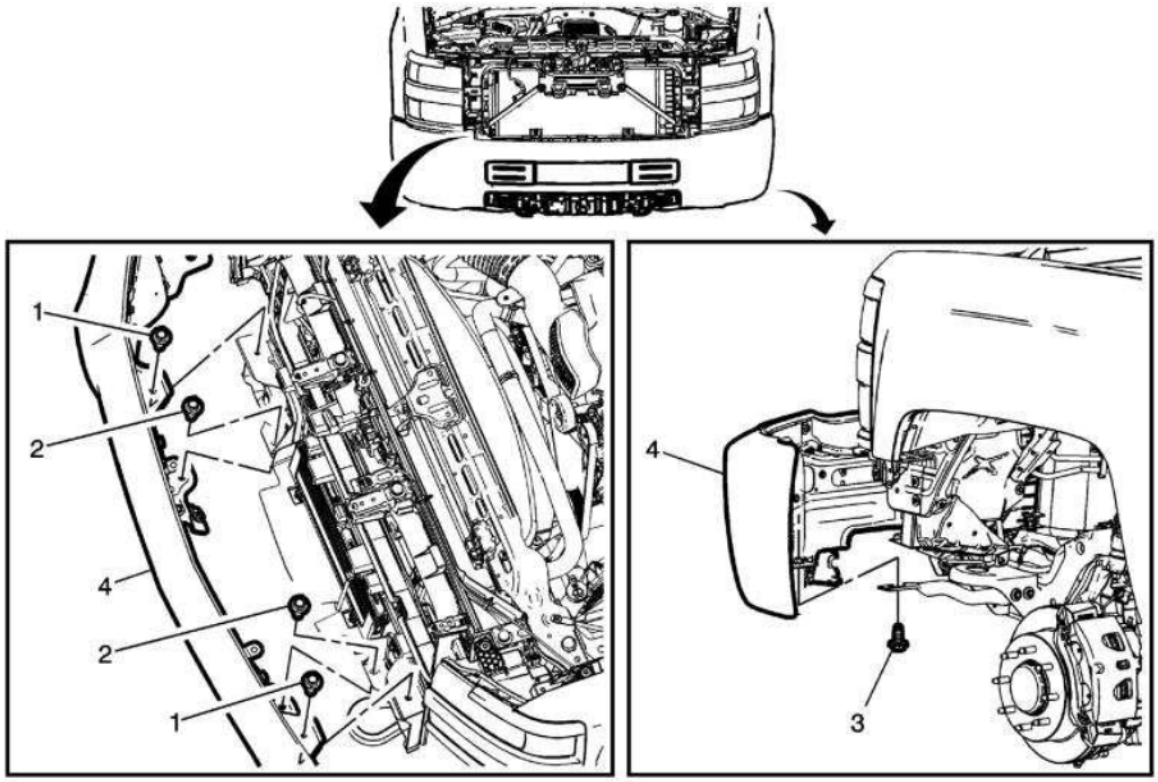


Fig. 75: Front Bumper Fascia Air Deflector (Chevrolet)
Courtesy of GENERAL MOTORS COMPANY

17. Front Bumper Fascia Air Deflector(3) - Remove**Front Bumper Fascia Air Deflector Replacement (GMC) Front Bumper Fascia Air Deflector Replacement (Chevrolet 2500, 3500) Front Bumper Fascia Air Deflector Replacement (Chevrolet 1500)**



cardiagn.com

Fig. 76: Front Bumper Impact Bar (LML)
Courtesy of GENERAL MOTORS COMPANY

18. Front Bumper Impact Bar(4) - Remove **Front Bumper Impact Bar Replacement (1500)** **Front Bumper Impact Bar Replacement (2500, 3500)**

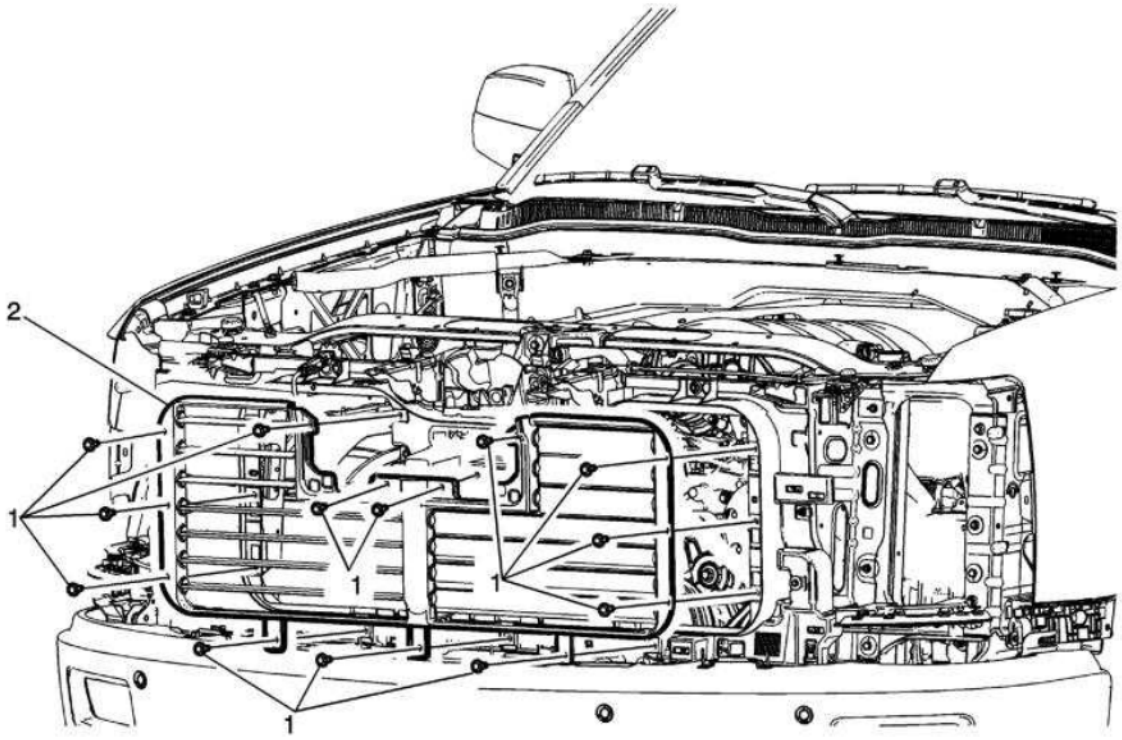


Fig. 77: Front Bumper Shutter
Courtesy of GENERAL MOTORS COMPANY

19. Front Bumper Shutter(2) - Remove **Front Bumper Shutter Replacement**

cardiagn.com

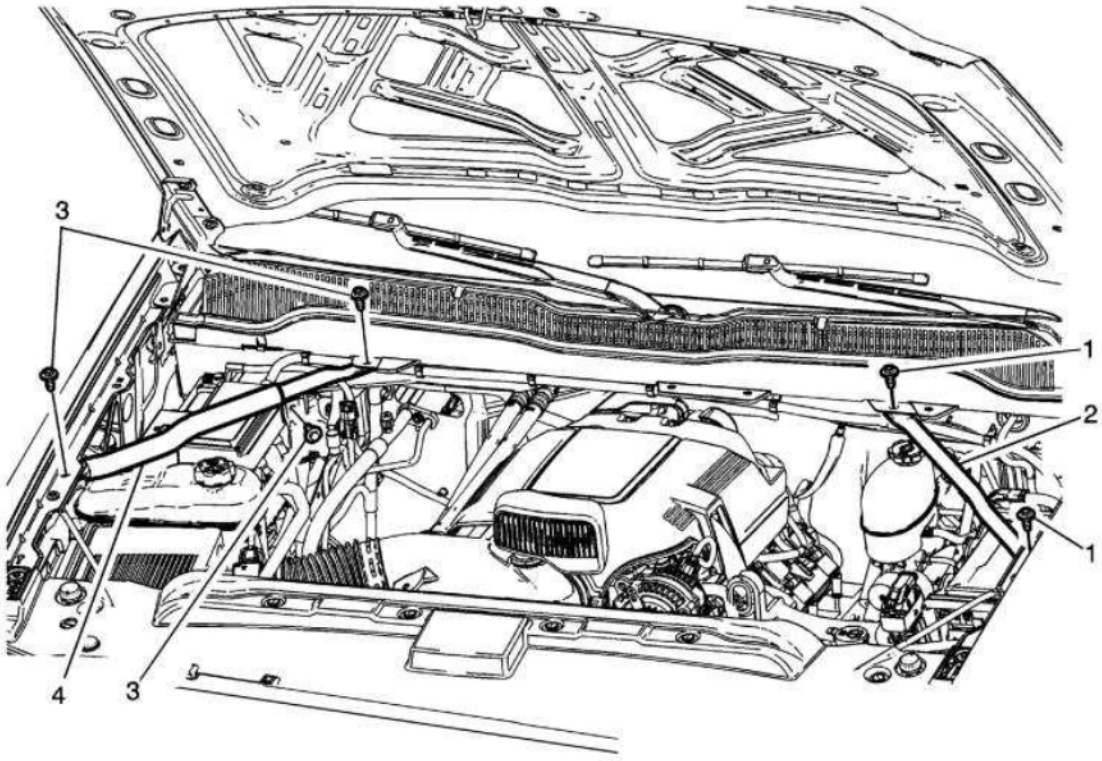
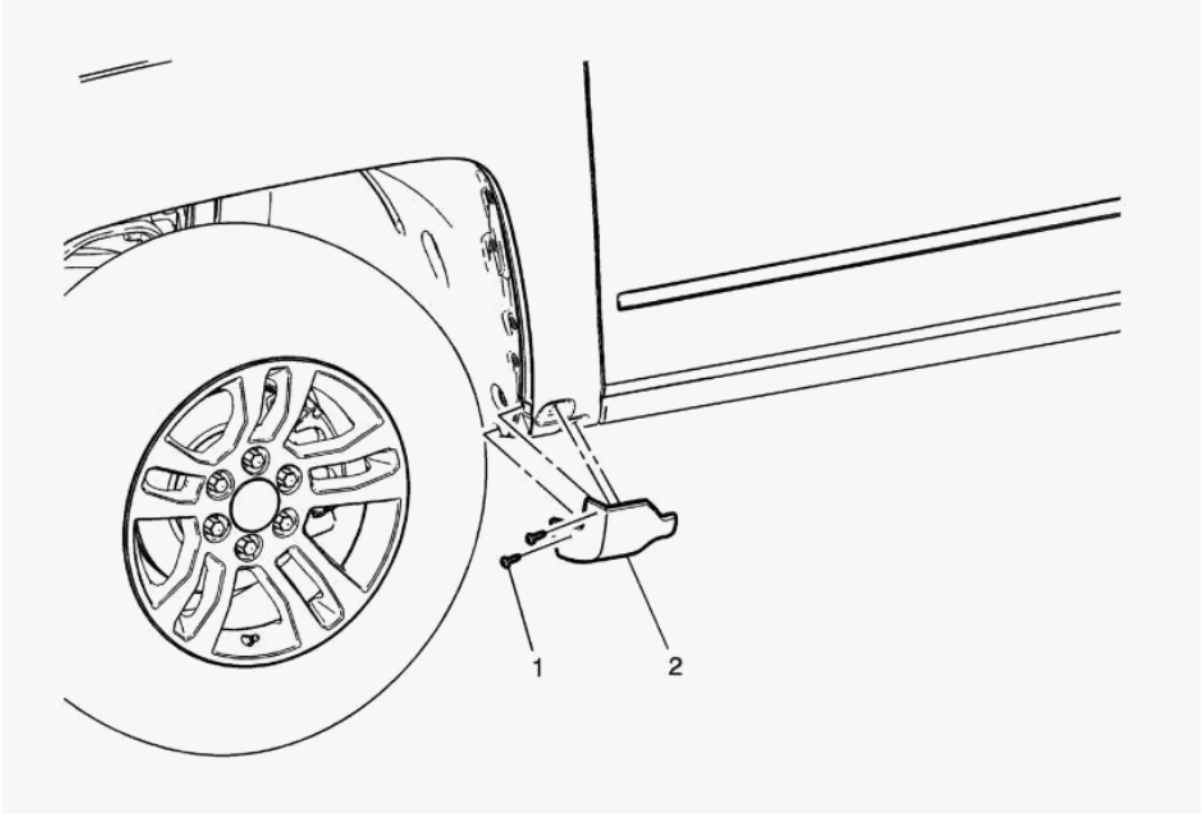


Fig. 78: Front Fender Rear Upper Brace
Courtesy of GENERAL MOTORS COMPANY

20. Front Fender Rear Upper Brace (4) - Remove **Front Fender Rear Upper Brace Replacement (LV3, L96, LC8, lL83, L8B, L86)Front Fender Rear Upper Brace Replacement (L5P)**



cardiagn.com

Fig. 79: Front Fender Paint Protector
Courtesy of GENERAL MOTORS COMPANY

21. Front Fender Paint Protector (2) - Remove **Front Fender Paint Protector Replacement**

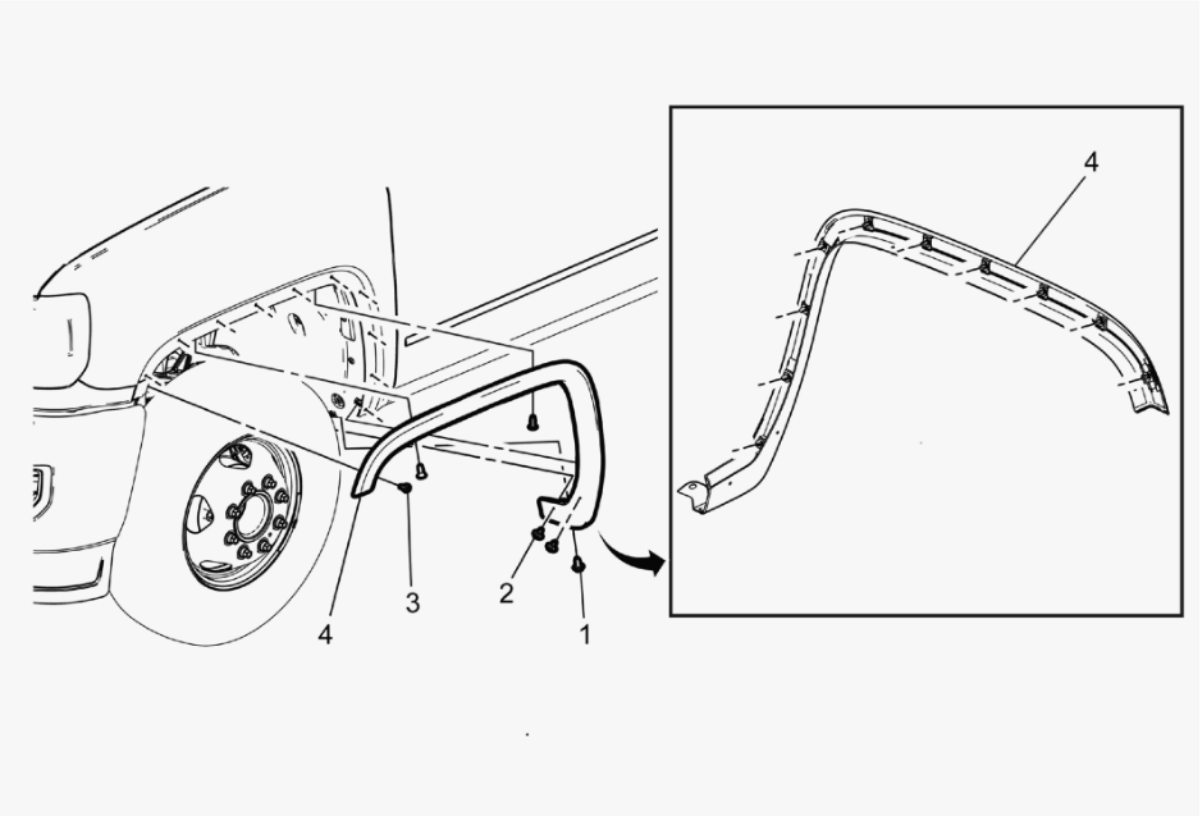


Fig. 80: Front Wheel Opening Molding
Courtesy of GENERAL MOTORS COMPANY

22. Front Wheel Opening Front Molding (4) - Remove **Front Wheel Opening Molding Replacement**

cardiagn.com

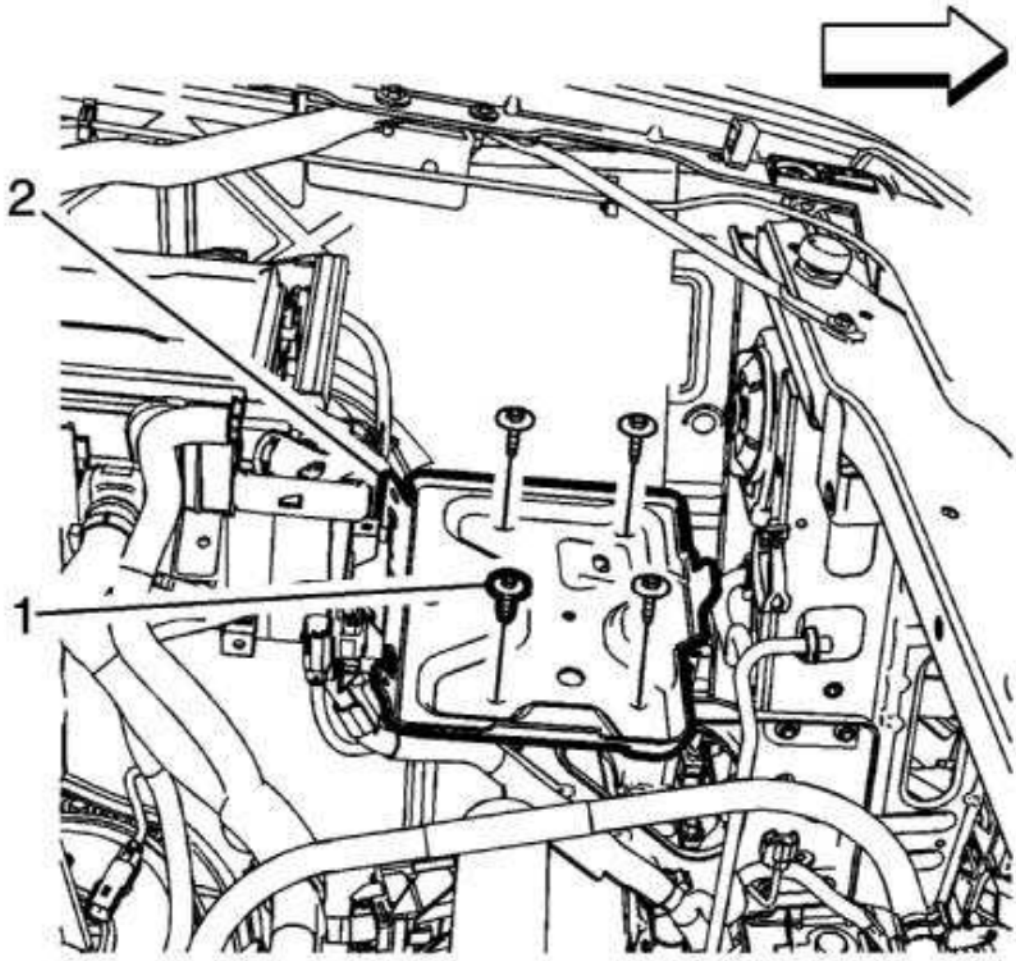


Fig. 81: Auxiliary Battery Tray And Fasteners
Courtesy of GENERAL MOTORS COMPANY

23. Auxiliary Battery Tray (2) - Remove **Auxiliary Battery Tray Replacement**

cardiagn.com

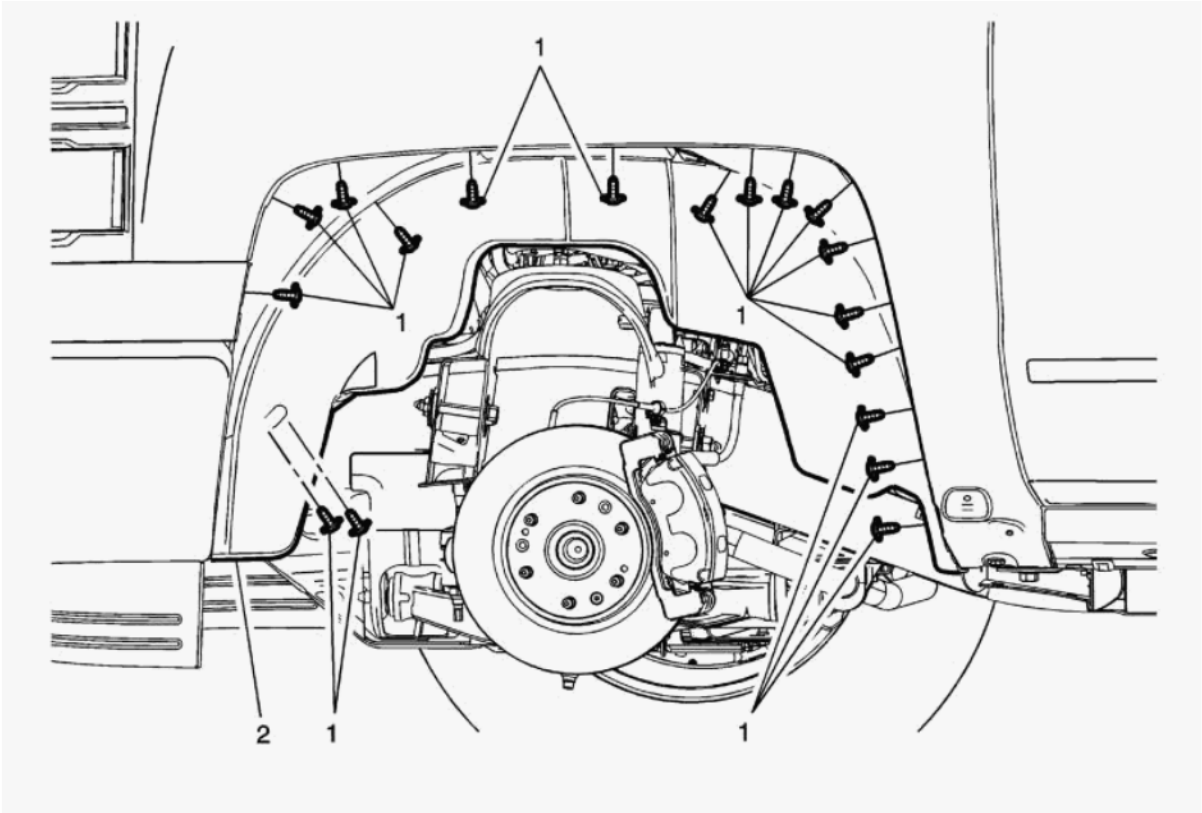


Fig. 82: Front Wheelhouse Liner - Left Side (Chevrolet)
Courtesy of GENERAL MOTORS COMPANY

24. Front Wheelhouse Liner- Left Side (2) - Remove **Front Wheelhouse Liner Replacement - Left Side**

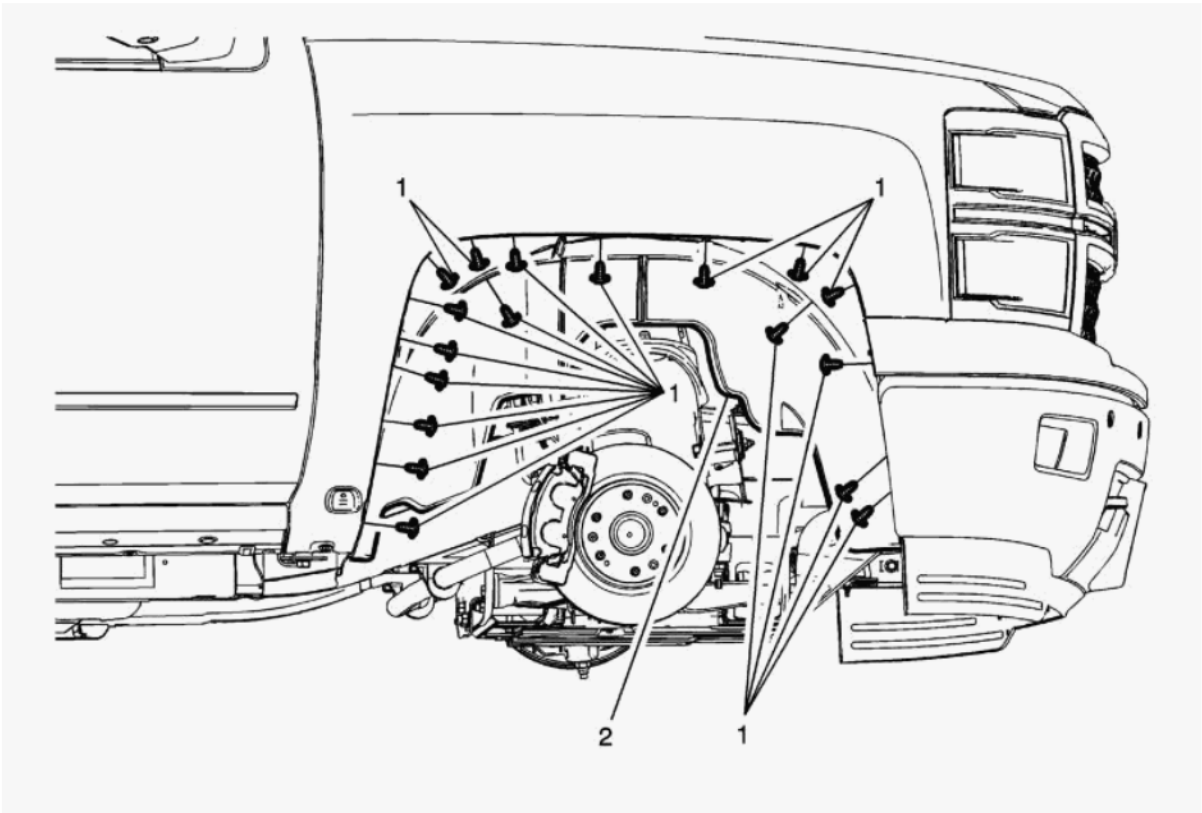


Fig. 83: Front Wheelhouse Liner - Right Side (Chevrolet)

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

25. Front Wheelhouse Liner-Right Side (2) - Remove **Front Wheelhouse Liner Replacement - Right Side**

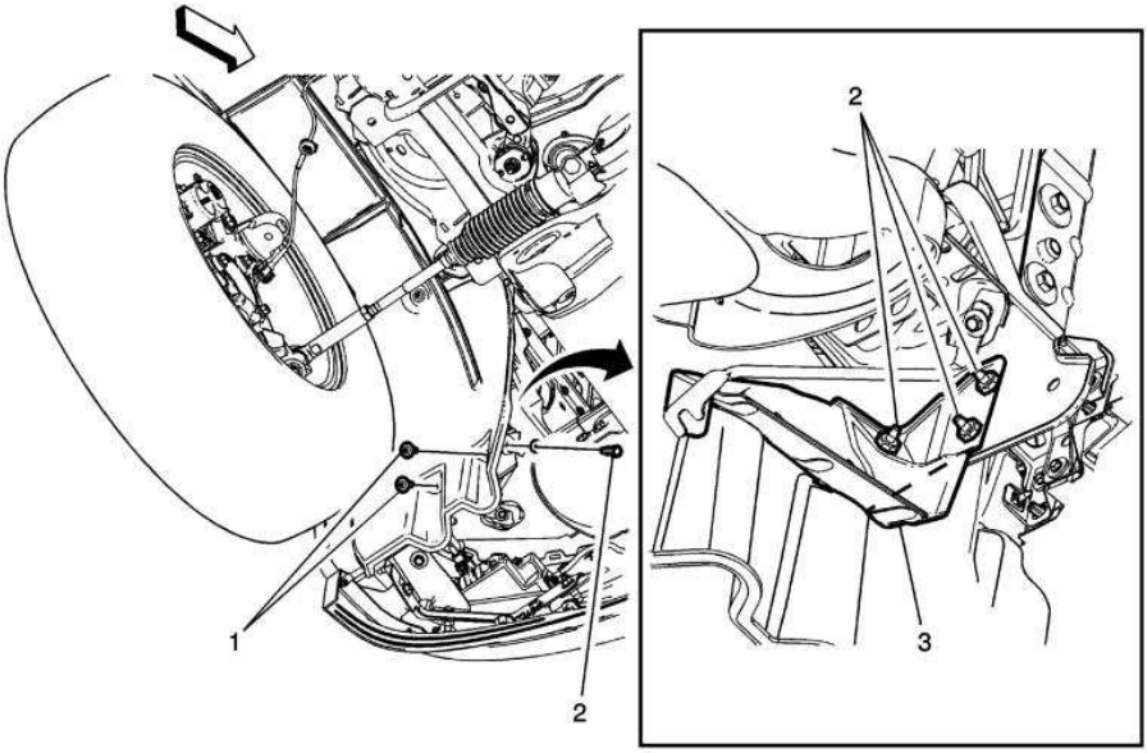


Fig. 84: Front Wheelhouse Panel Front Bracket
Courtesy of GENERAL MOTORS COMPANY

26. Front Wheelhouse Panel Front Bracket (2) - Remove **Front Wheelhouse Panel Front Bracket Replacement**

cardiagn.com

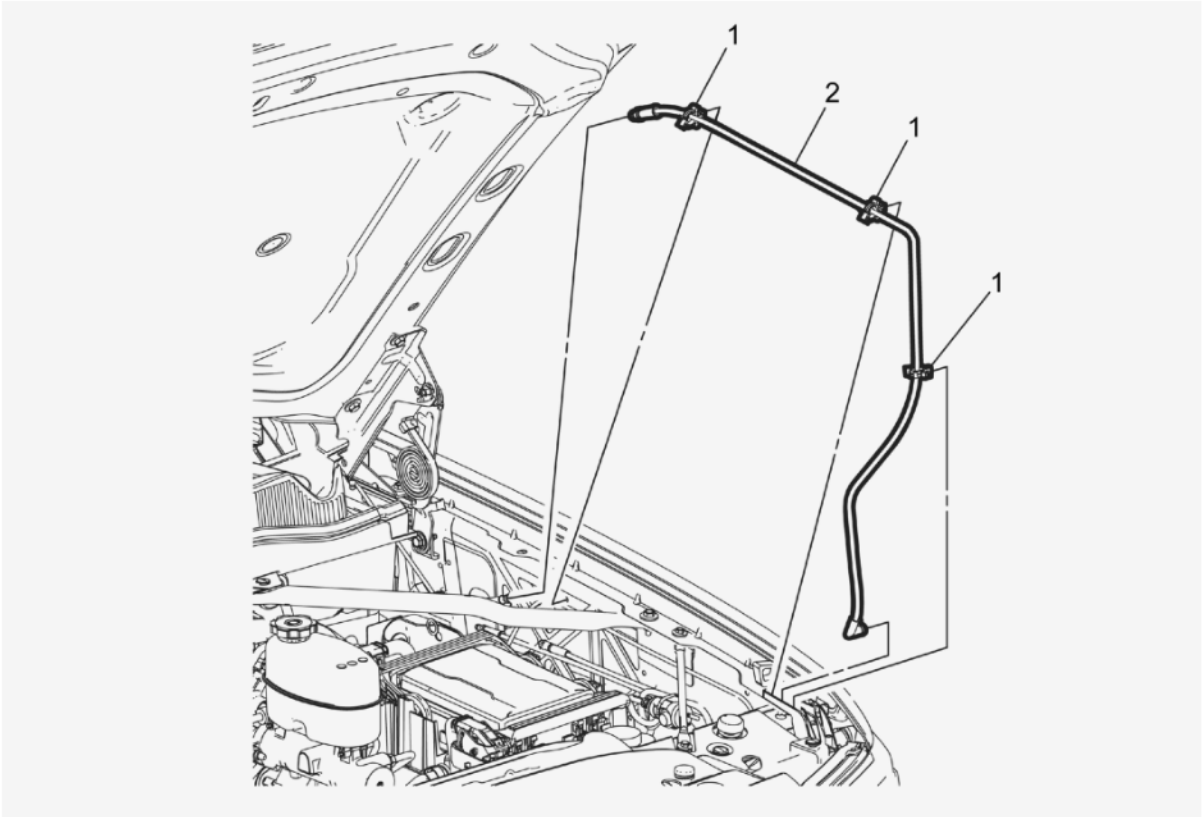


Fig. 85: Windshield Washer Pump Hose
Courtesy of GENERAL MOTORS COMPANY

27. Windshield Washer Pump Hose (2) - Remove **Windshield Washer Pump Hose Replacement**

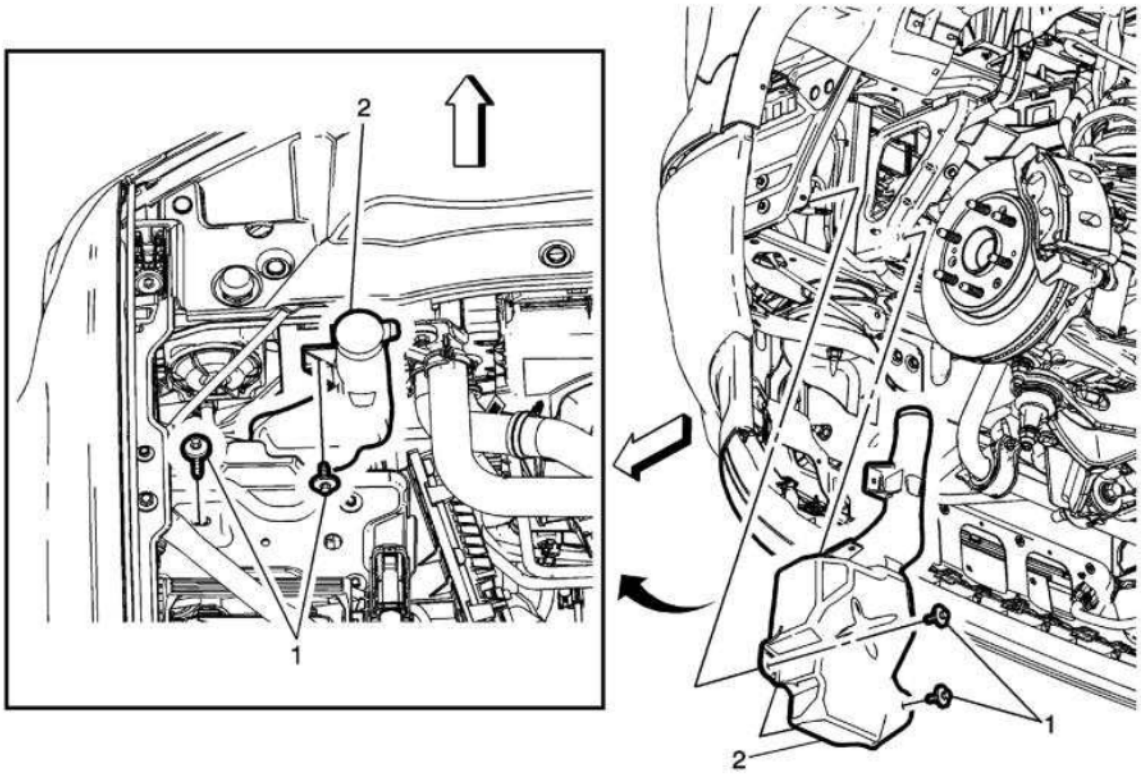


Fig. 86: Windshield Washer Solvent Container (LD)

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

28. Windshield Washer Solvent Container (2) - Remove - **Windshield Washer Solvent Container Replacement (LD)** **Windshield Washer Solvent Container Replacement (Diesel)** **Windshield Washer Solvent Container Replacement (HD)**

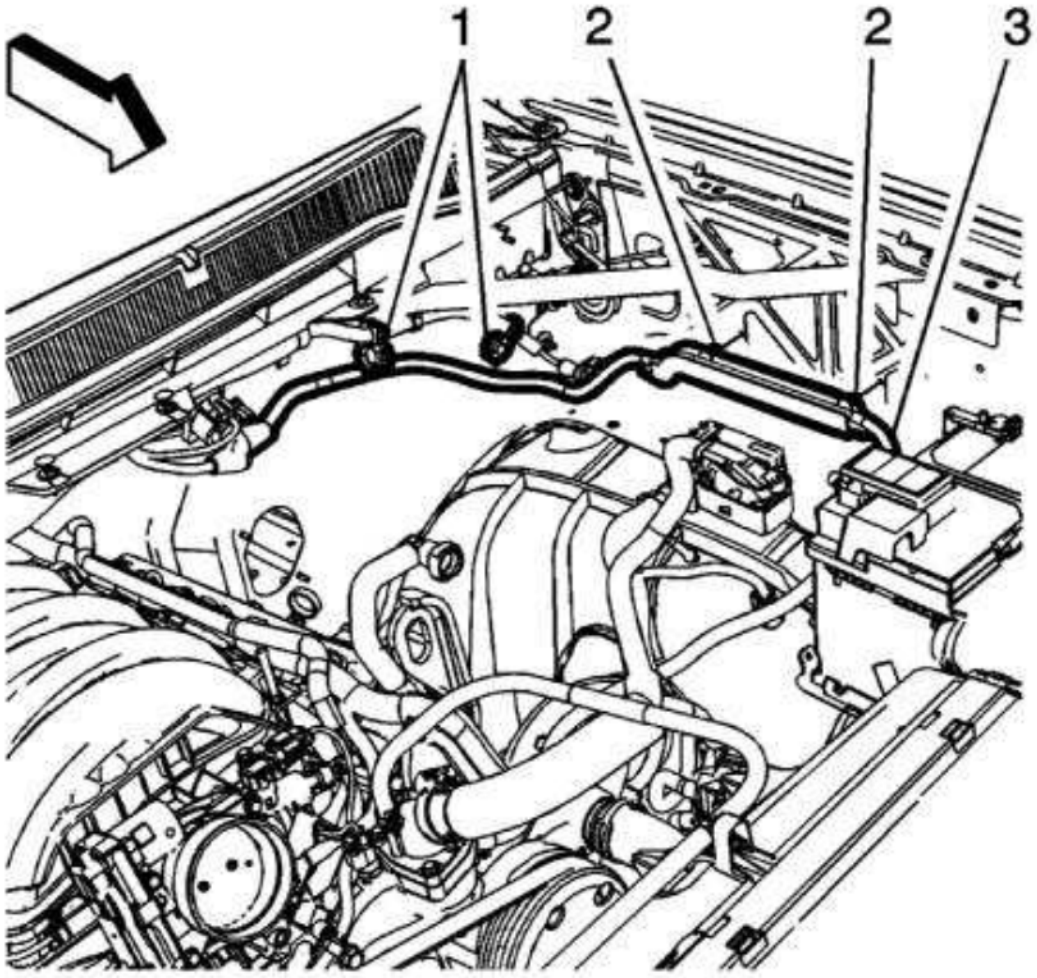


Fig. 87: Auxiliary Battery Positive Cable Conduit Retainers
Courtesy of GENERAL MOTORS COMPANY

29. Auxiliary Battery Positive Cable Replacement - Battery to Battery Relay (3) - Remove **Auxiliary Battery Positive Cable Replacement - Battery to Battery Relay (K4B)**

cardiagn.com

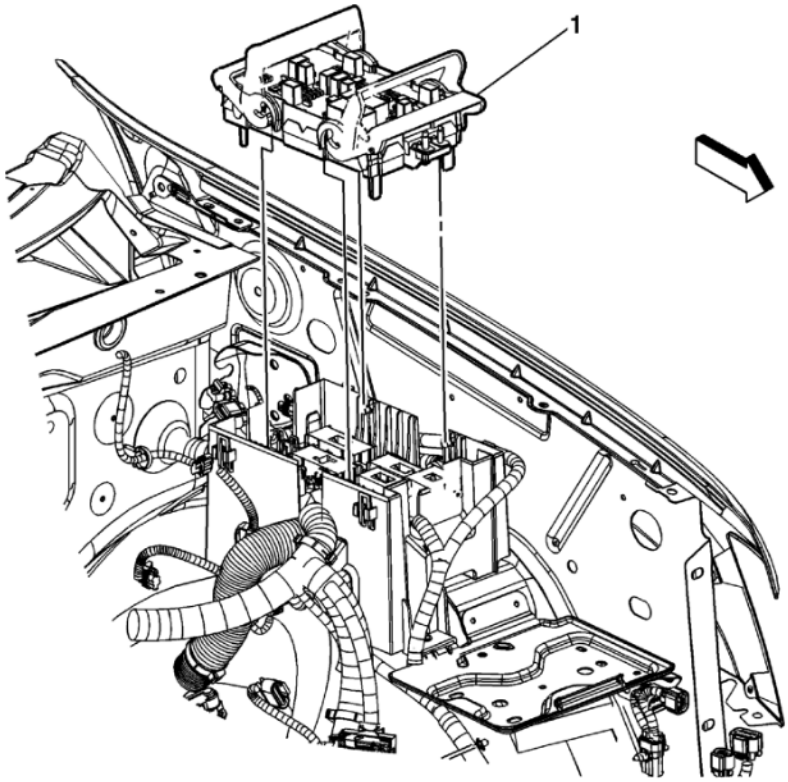
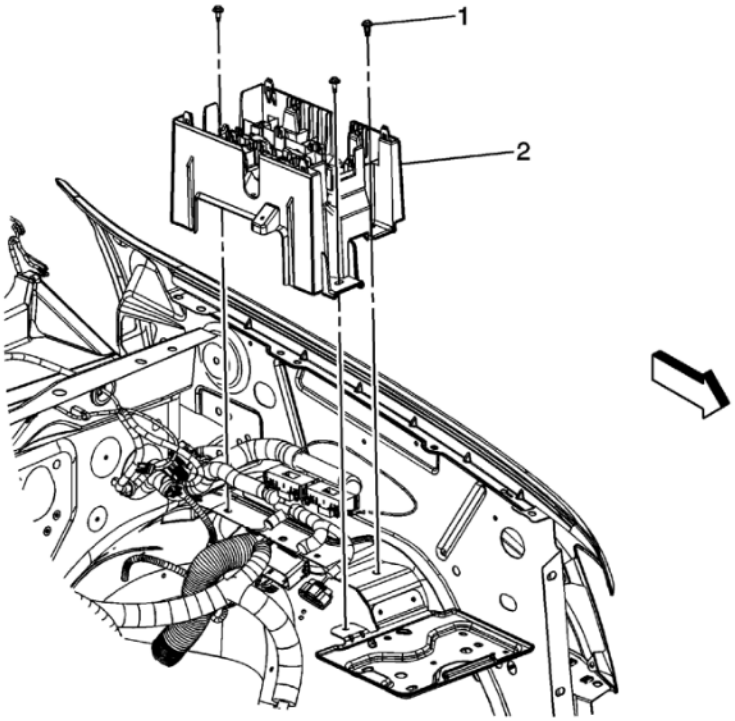


Fig. 88: View Of Underhood Electrical Center/Junction Block
Courtesy of GENERAL MOTORS COMPANY

30. Underhood Electrical Center or Junction Block (1) - Remove **Underhood Electrical Center or Junction Block Replacement**



cardiagn.com

Fig. 89: View Of Underhood Electrical Center/Junction Block Bracket & Screws
Courtesy of GENERAL MOTORS COMPANY

31. Underhood Electrical Center or Junction Block Bracket (2) - Remove **Underhood Electrical Center or Junction Block Bracket Replacement**

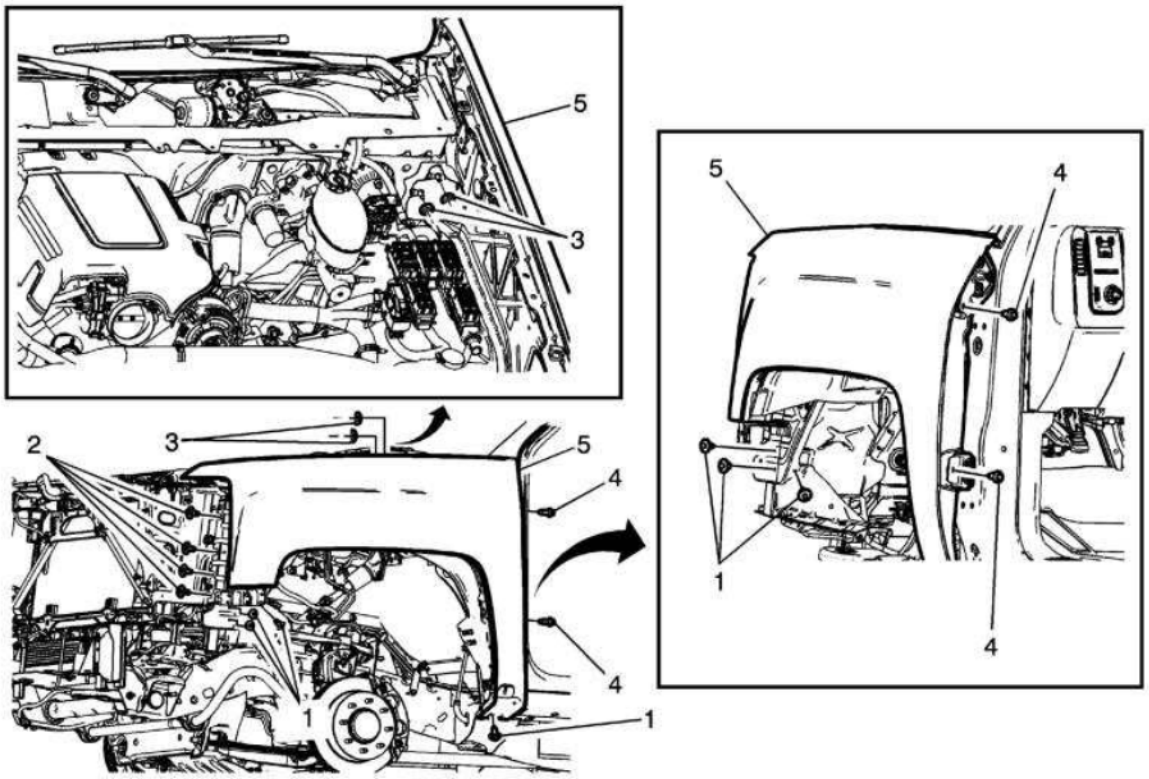


Fig. 90: Front Fender - Left Side
Courtesy of GENERAL MOTORS COMPANY

32. Front Fender-Left Side (5) - Remove **Front Fender Replacement - Left Side**

cardiagn.com

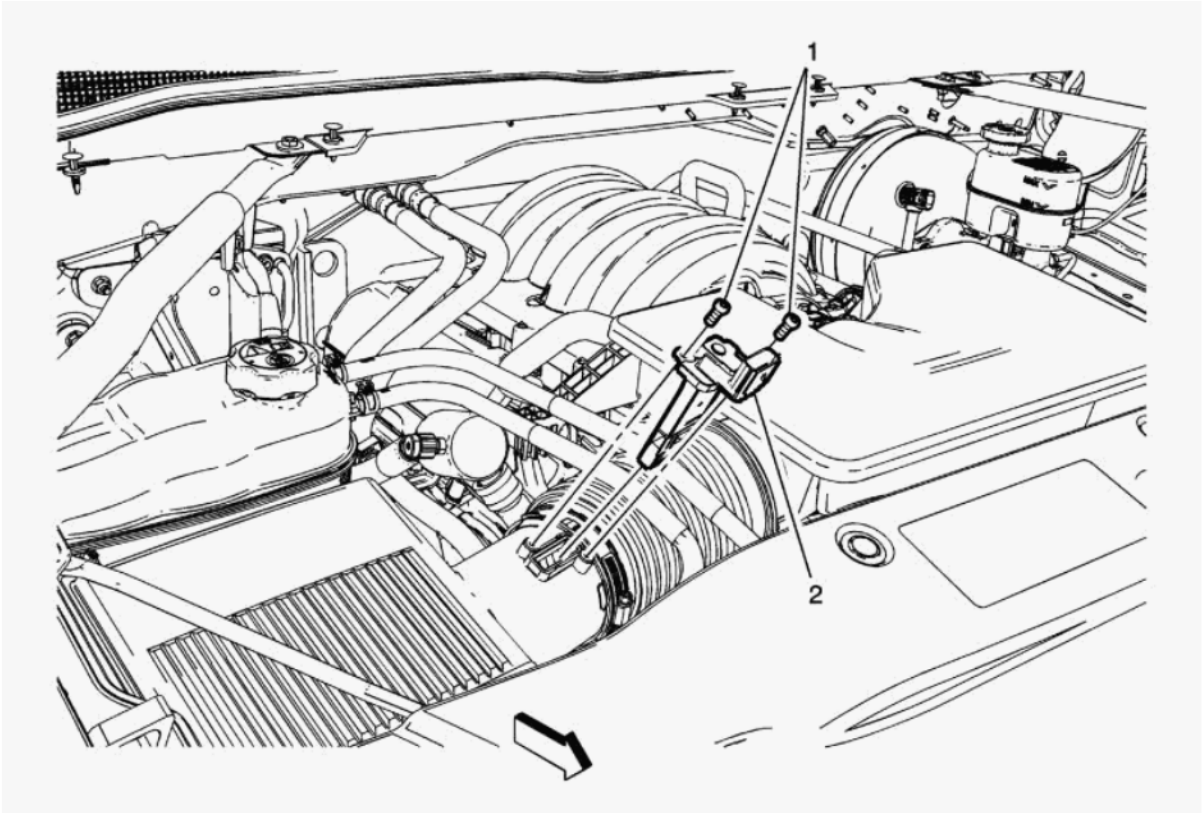


Fig. 91: Mass Airflow Sensor
Courtesy of GENERAL MOTORS COMPANY

33. Mass Airflow Sensor (2) - Remove **Mass Airflow Sensor Replacement**

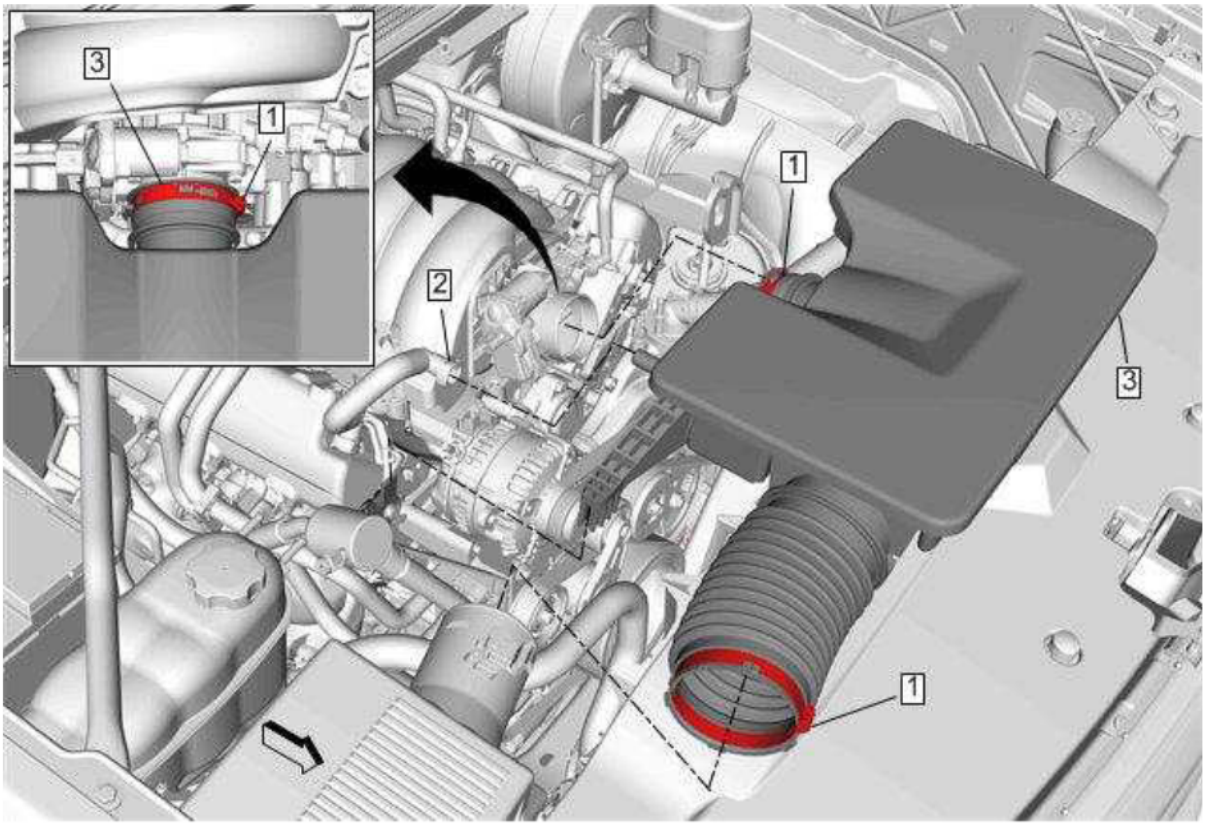


Fig. 92: Air Cleaner Outlet Duct

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

34. Air Cleaner Outlet Duct(3) - Remove **Air Cleaner Outlet Duct Replacement**

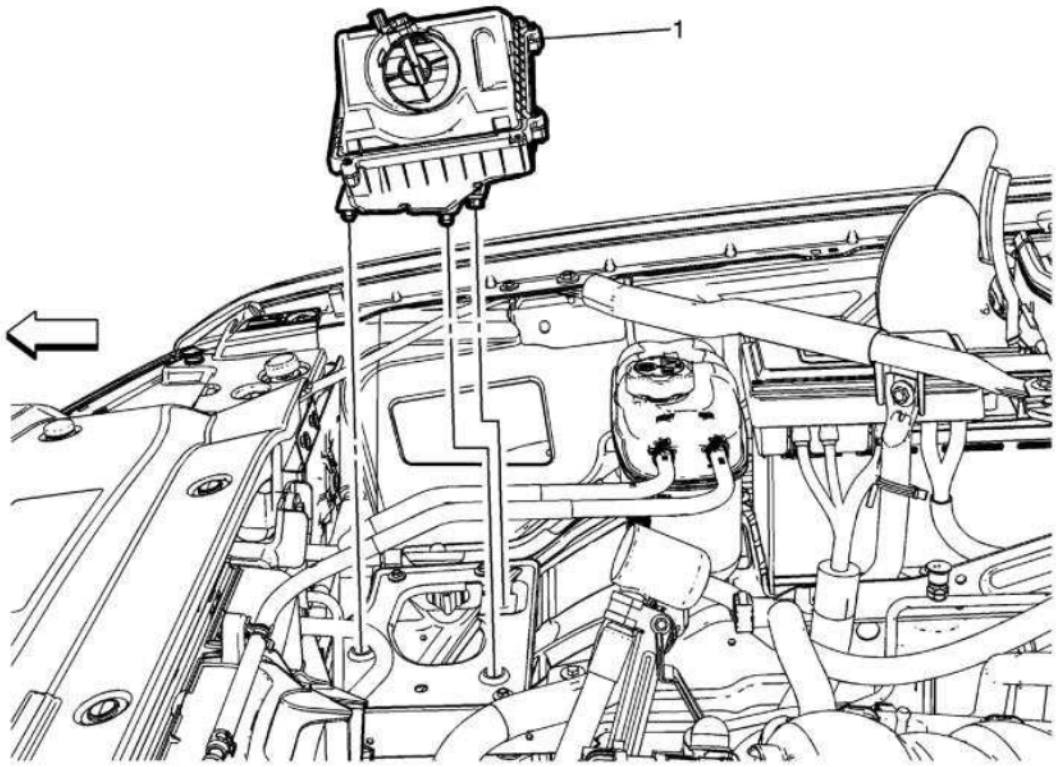


Fig. 93: Air Cleaner Assembly
Courtesy of GENERAL MOTORS COMPANY

35. Air Cleaner Assembly(1) - Remove **Air Cleaner Assembly Replacement**

cardiagn.com

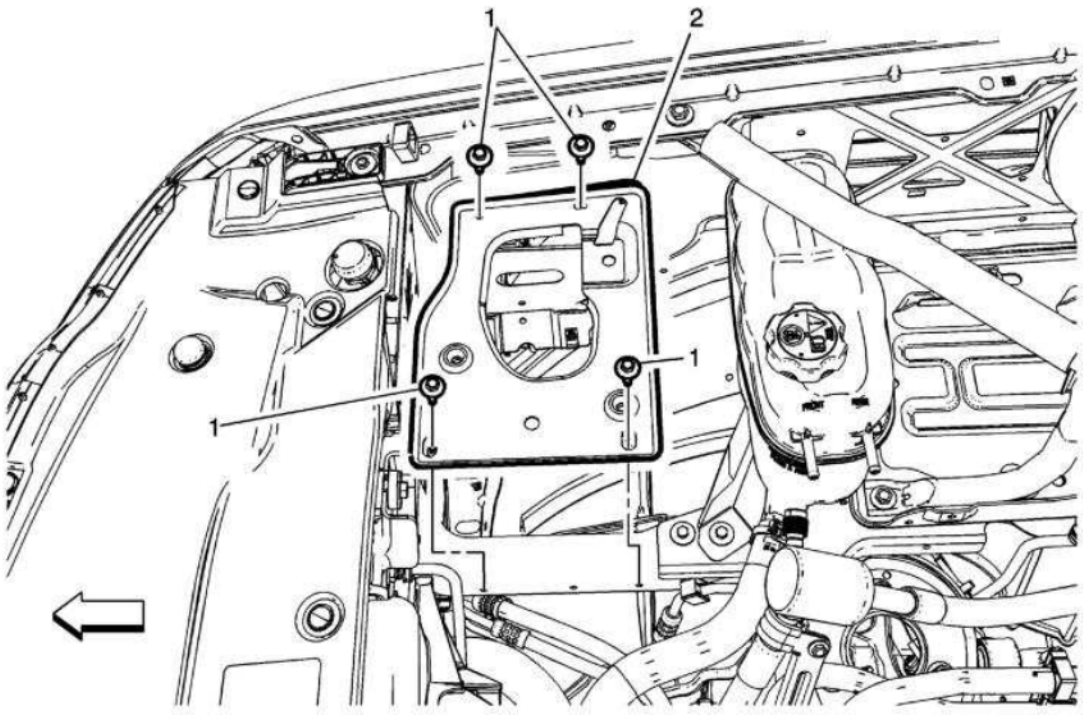


Fig. 94: Air Cleaner Bracket (L83, L86)
Courtesy of GENERAL MOTORS COMPANY

36. Air Cleaner Bracket(2) - Remove **Air Cleaner Bracket Replacement**

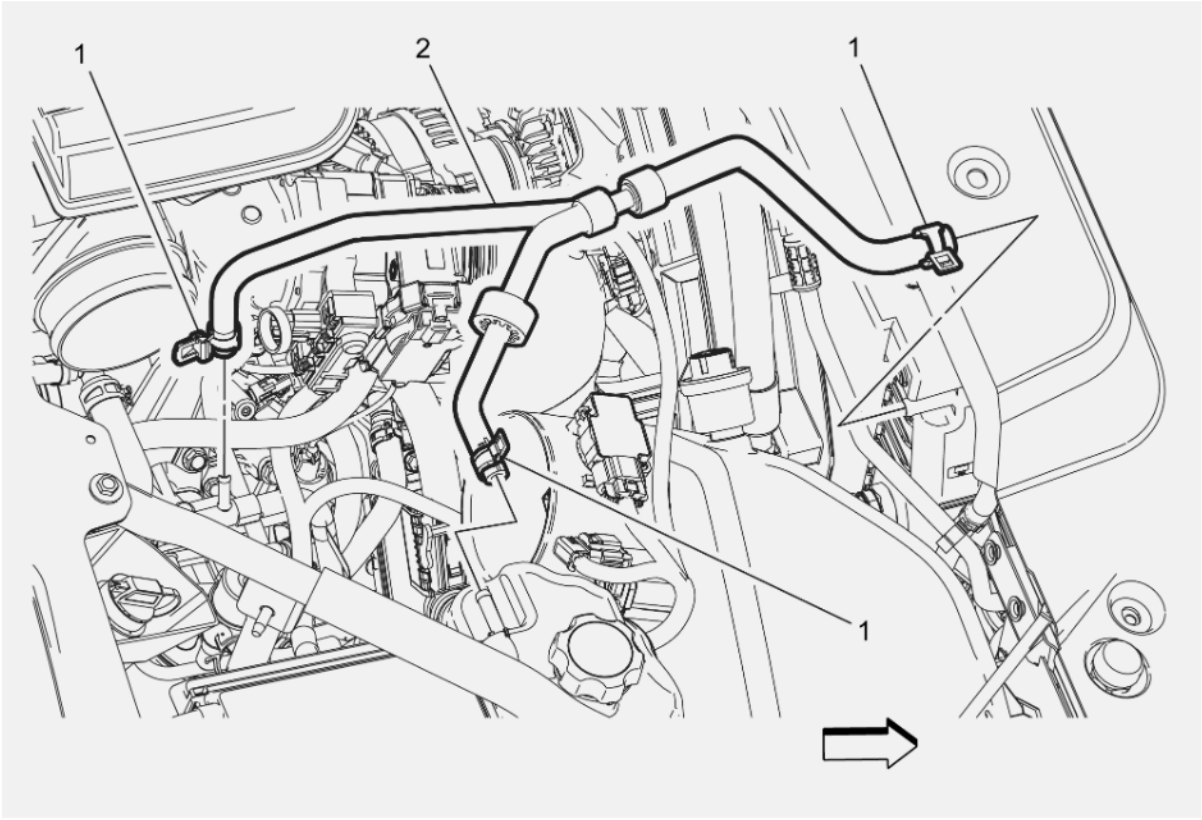


Fig. 95: Radiator Surge Tank Inlet Hose Replacement (LML)

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

37. Radiator Surge Tank Inlet Hose(2) - Remove **Radiator Surge Tank Inlet Hose Replacement (Surge Tank To Radiator L83, L86, LV3)** **Radiator Surge Tank Inlet Hose Replacement (Surge Tank To Water Outlet L83, L86)** **Radiator Surge Tank Inlet Hose Replacement (Surge Tank To Water Outlet LV3)** **Radiator Surge Tank Inlet Hose Replacement (LC8, L96)** **Radiator Surge Tank Inlet Hose Replacement (L8B)** **Radiator Surge Tank Inlet Hose Replacement (Surge Tank to Radiator to Radiator Surge Tank Inlet Hose L5P)** **Radiator Surge Tank Inlet Hose Replacement (Surge Tank to Engine L5P)**

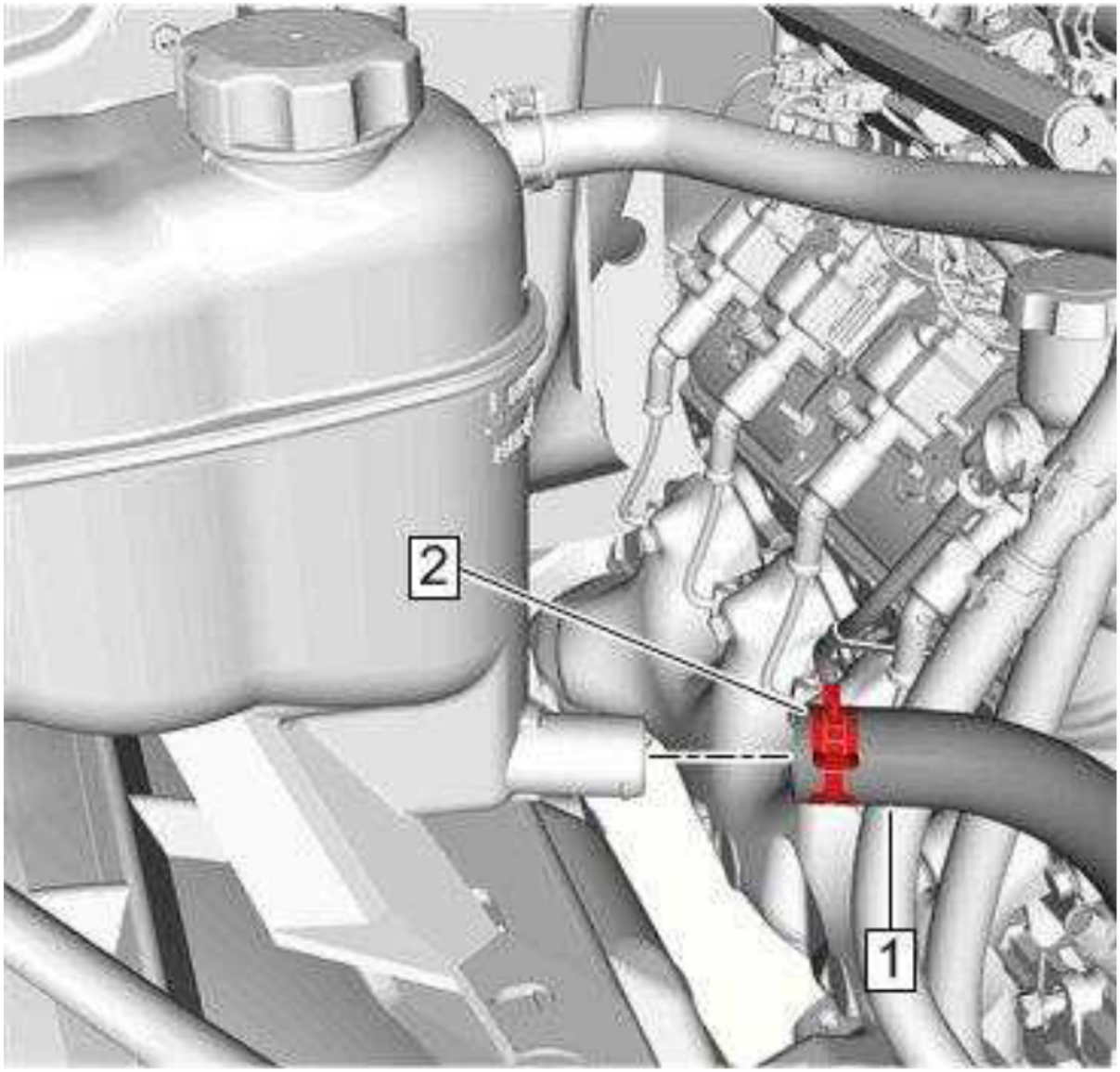


Fig. 96: Radiator Surge Tank Outlet Hose Clamp at Radiator Surge Tank
Courtesy of GENERAL MOTORS COMPANY

38. Radiator Surge Tank Outlet Hose(2) - Remove **Radiator Surge Tank Outlet Hose Replacement (LC8, L96)** **Radiator Surge Tank Outlet Hose Replacement (CNG)**

cardiagn.com

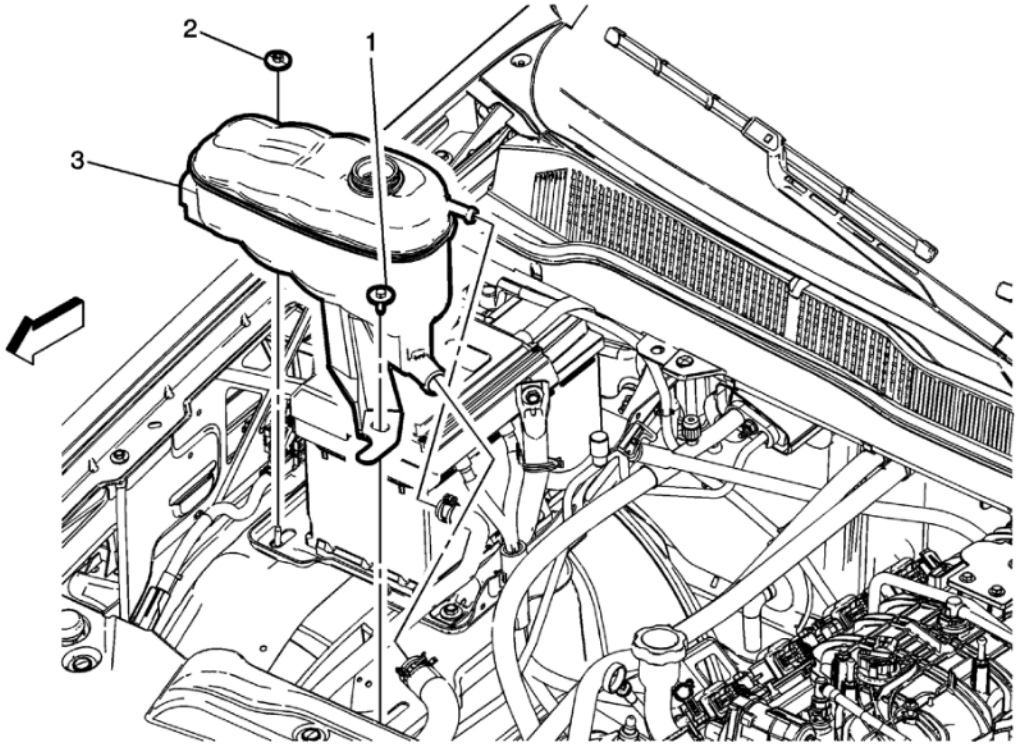


Fig. 97: Radiator Surge Tank (LC8, L96)
Courtesy of GENERAL MOTORS COMPANY

39. Radiator Surge Tank(3) - Remove **Radiator Surge Tank Replacement (L83, L86)** **Radiator Surge Tank Replacement (LV3)** **Radiator Surge Tank Replacement (LC8, L96)** **Radiator Surge Tank Replacement (L8B)** **Radiator Surge Tank Replacement (L5P)**

cardiagn.com

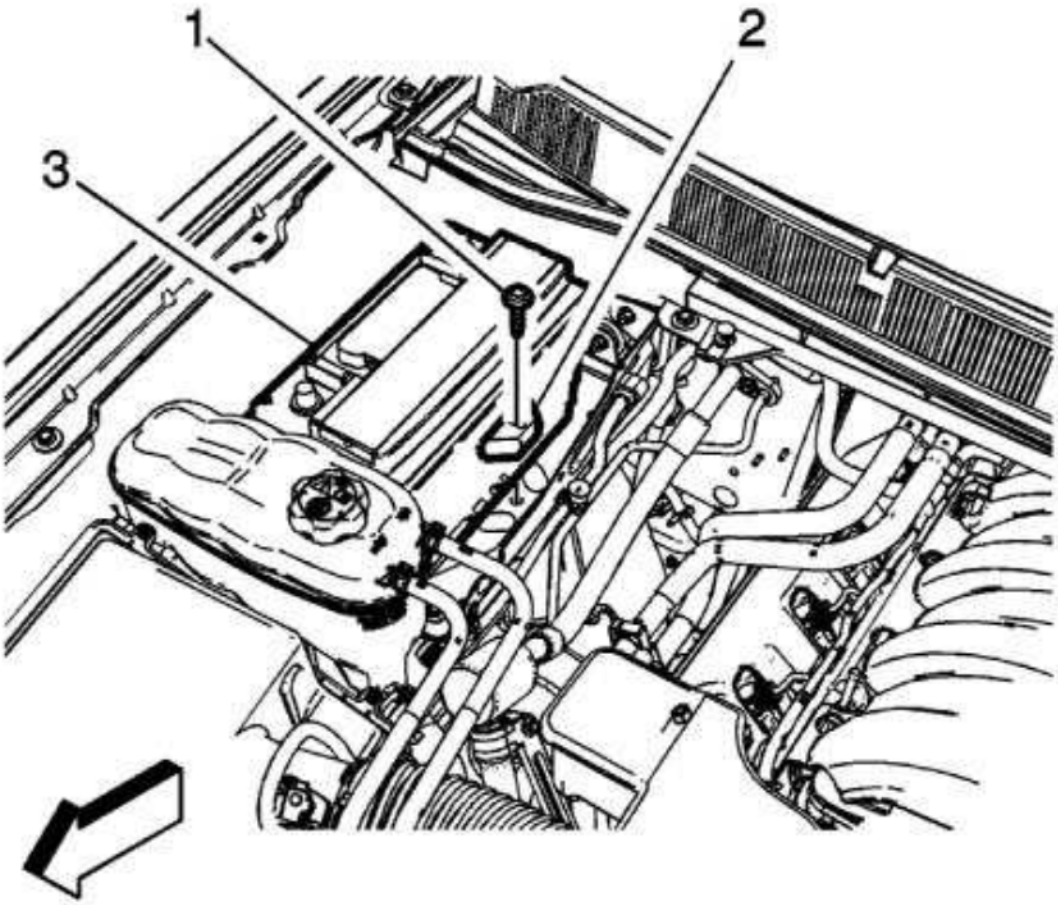


Fig. 98: Battery Retainer Fastener And Battery Retainer
Courtesy of GENERAL MOTORS COMPANY

40. Battery(3) - Remove - **Battery Replacement (Gas)** **Battery Replacement (Diesel)**

cardiagn.com

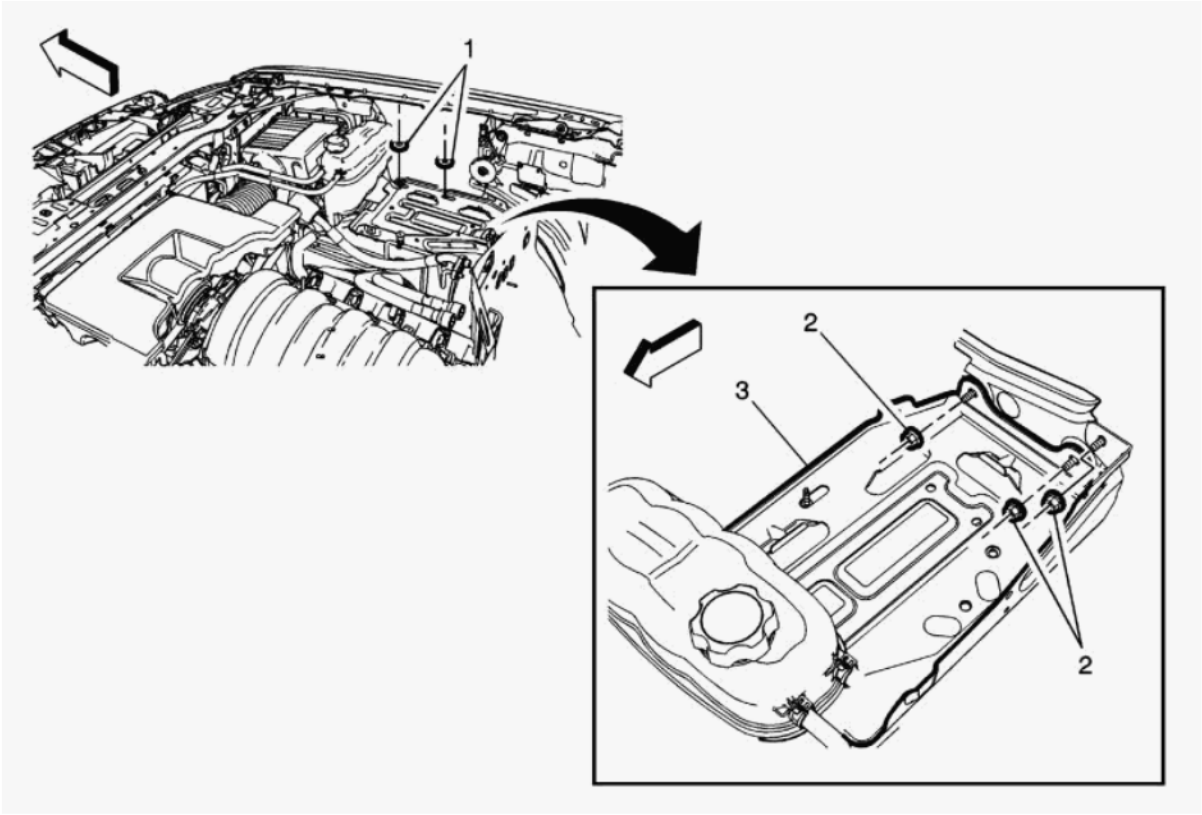


Fig. 99: Battery Tray
Courtesy of GENERAL MOTORS COMPANY

41. Battery Tray(4) - Remove **Battery Tray Replacement (Diesel)** **Battery Tray Replacement (Gas)**

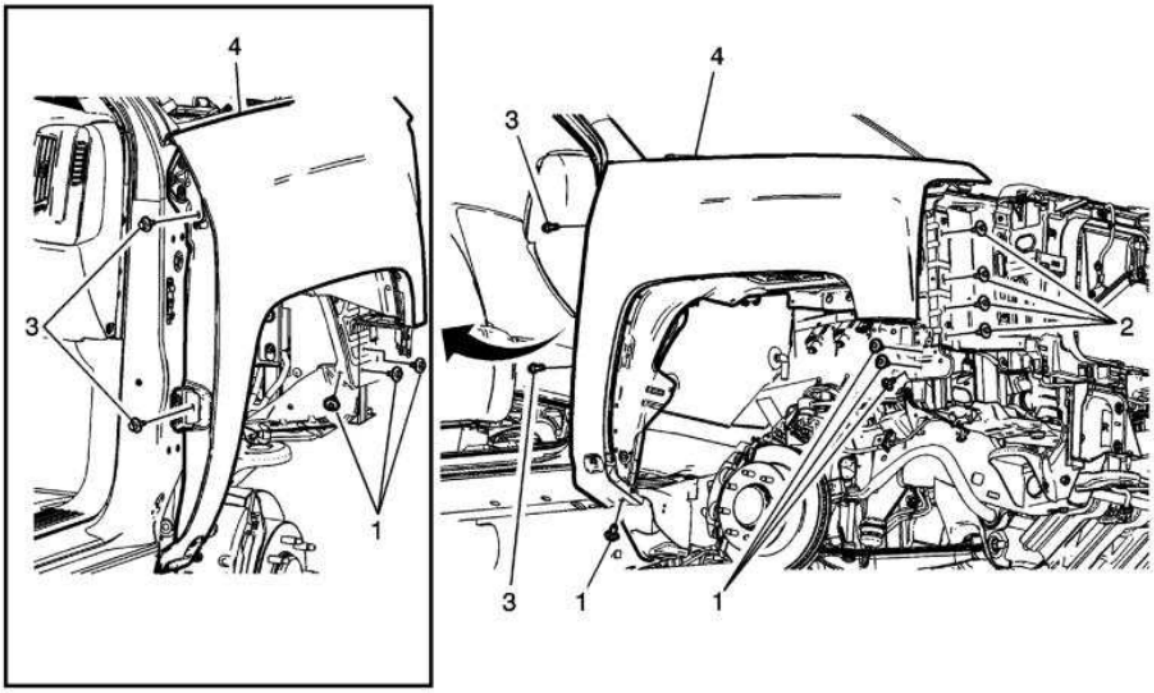


Fig. 100: Front Fender - Right Side

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

42. Front Fender-Right Side (4) - Remove **Front Fender Replacement - Right Side**

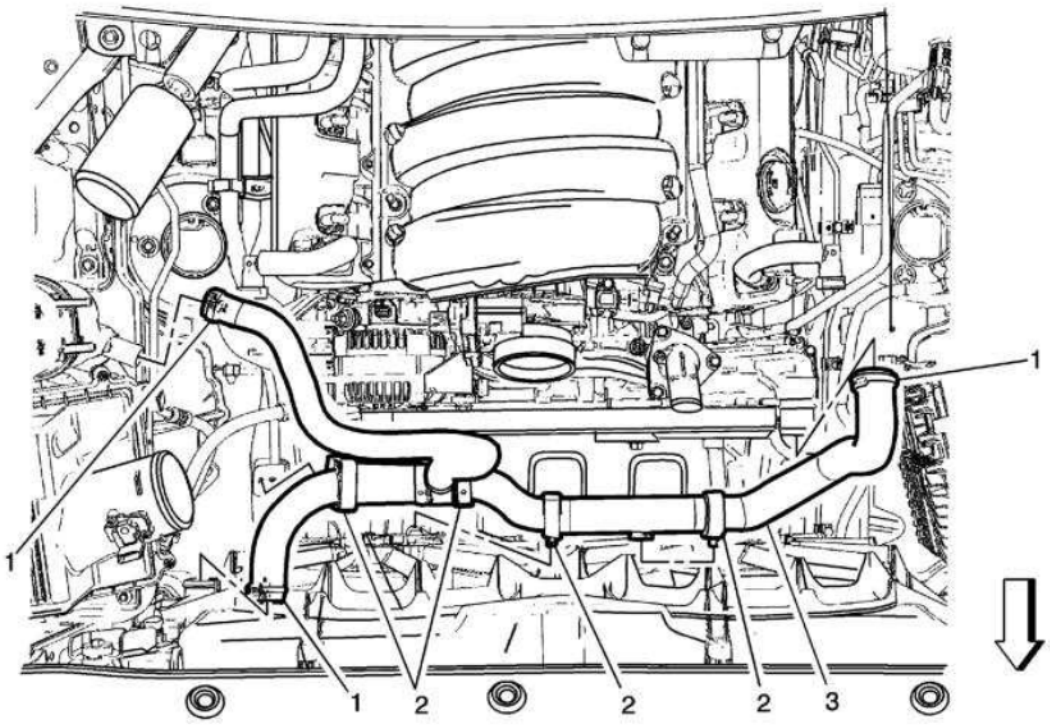


Fig. 101: Radiator Outlet Hose Retainers
Courtesy of GENERAL MOTORS COMPANY

43. Radiator Outlet Hose(3) - Remove **Radiator Outlet Hose Replacement (L83, L86)** **Radiator Outlet Hose Replacement (LV3)** **Radiator Outlet Hose Replacement (LC8, L96)** **Radiator Outlet Hose Replacement (L8B)** **Radiator Outlet Hose Replacement (L5P)**

cardiagn.com

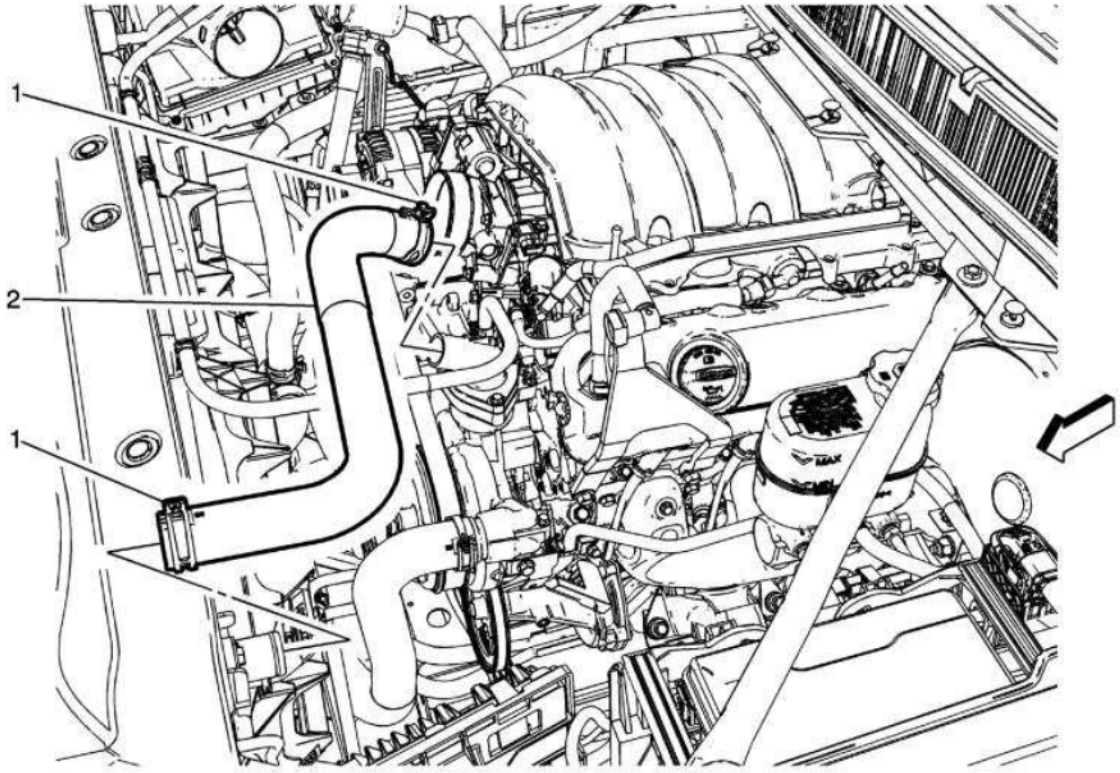


Fig. 102: Radiator Inlet Hose
Courtesy of GENERAL MOTORS COMPANY

44. Radiator Inlet Hose(2) - Remove **Radiator Inlet Hose Replacement (L83, L86)** **Radiator Inlet Hose Replacement (LV3)** **Radiator Inlet Hose Replacement (LC8, L96)** **Radiator Inlet Hose Replacement (L8B)** **Radiator Inlet Hose Replacement (L5P)**

cardiagn.com

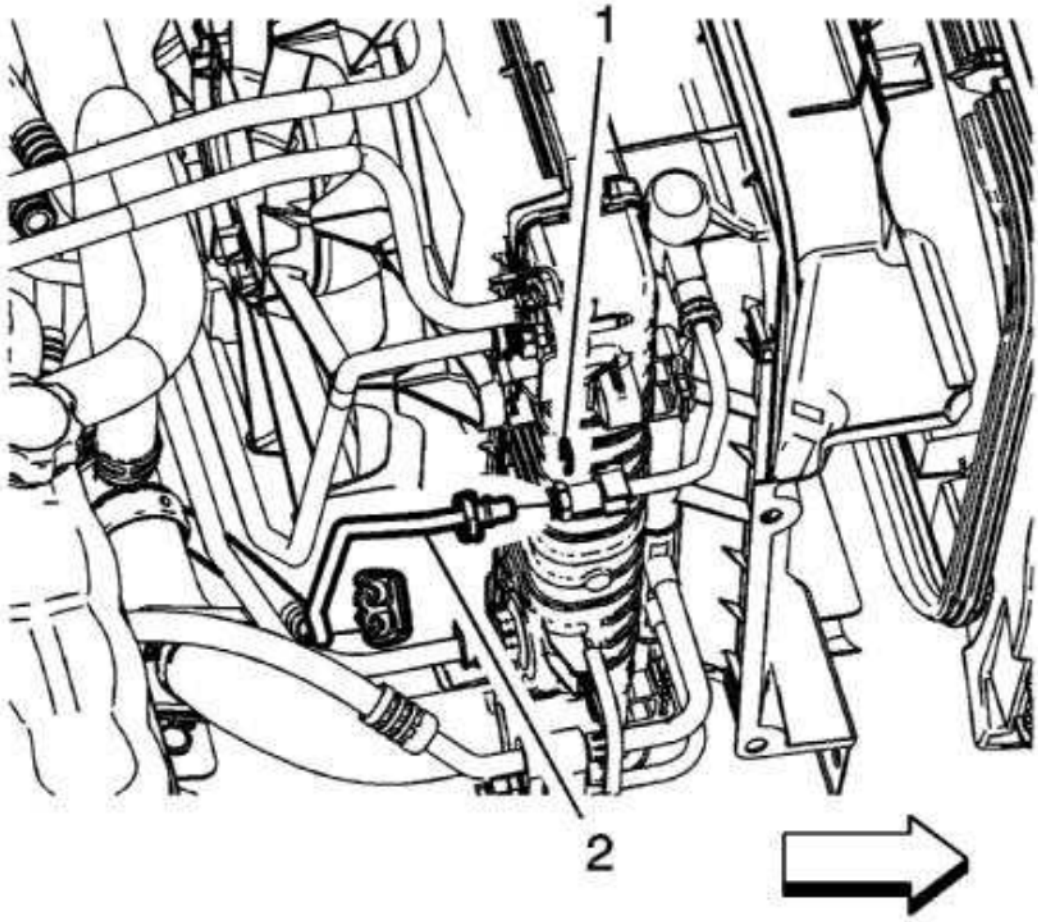


Fig. 103: Transmission Fluid Cooler Inlet And Outlet Pipe Retainer
Courtesy of GENERAL MOTORS COMPANY

45. Transmission Fluid Cooler Inlet and Outlet Pipe(2) - Disconnect **Transmission Fluid Cooler Inlet and Outlet Pipe Replacement (LV3)** **Transmission Fluid Cooler Inlet and Outlet Pipe Replacement (L83, L86 with MYD)** **Transmission Fluid Cooler Inlet and Outlet Pipe Replacement (LC8, L96 with MYD)** **Transmission Fluid Cooler Inlet and Outlet Pipe Replacement (L86 with M5U)** **Transmission Fluid Cooler Inlet and Outlet Pipe Replacement (L8B)**

cardiagn.com

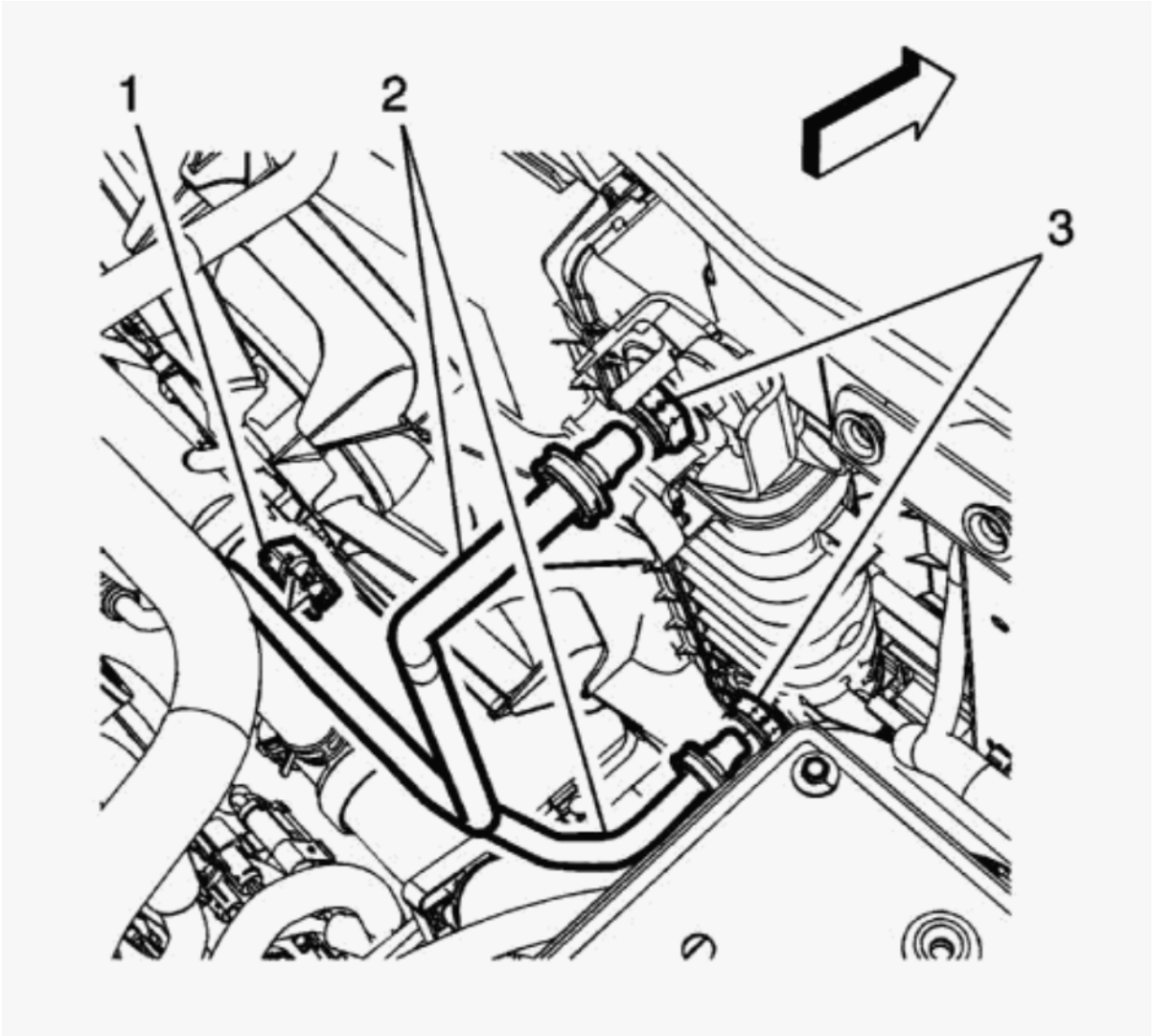


Fig. 104: Engine Oil Cooler Hoses And Retainer
Courtesy of GENERAL MOTORS COMPANY

46. Engine Oil Cooler Hose(2) - Disconnect **Engine Oil Cooler Hose Replacement**

cardiagn.com

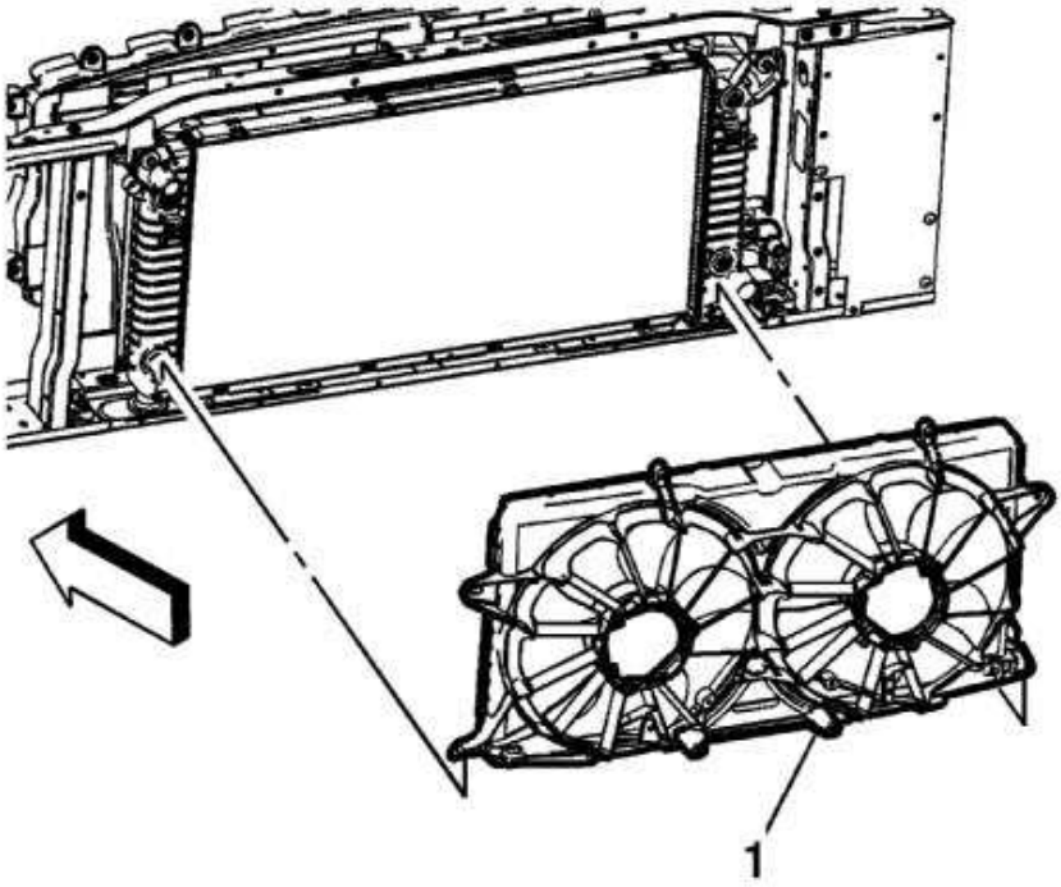


Fig. 105: Engine Coolant Fan Rear Shroud
Courtesy of GENERAL MOTORS COMPANY

47. Engine Coolant Fan Rear Shroud(1) - Remove **Engine Coolant Fan Rear Shroud Replacement (LV3)** **Engine Coolant Fan Rear Shroud Replacement (L83, L86)**

cardiagn.com

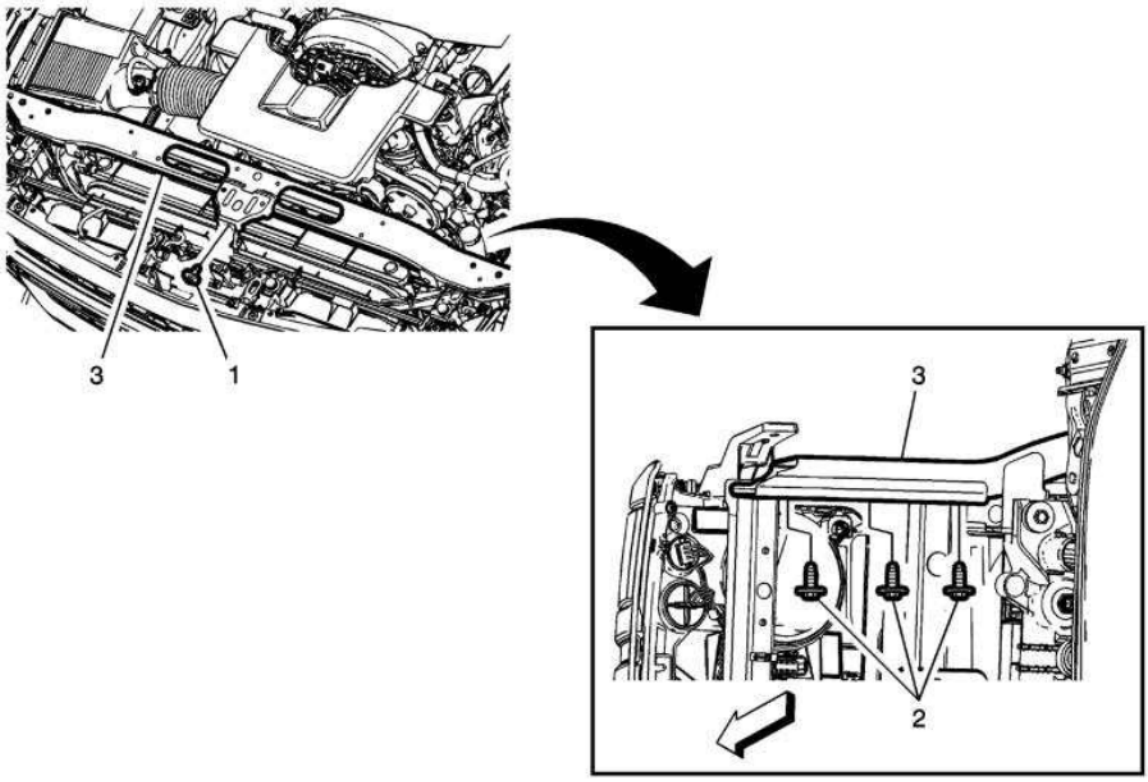


Fig. 106: Front End Upper Tie Bar Support
Courtesy of GENERAL MOTORS COMPANY

48. Front End Upper Tie Bar Support (3) - Remove **Front End Upper Tie Bar Support Replacement**

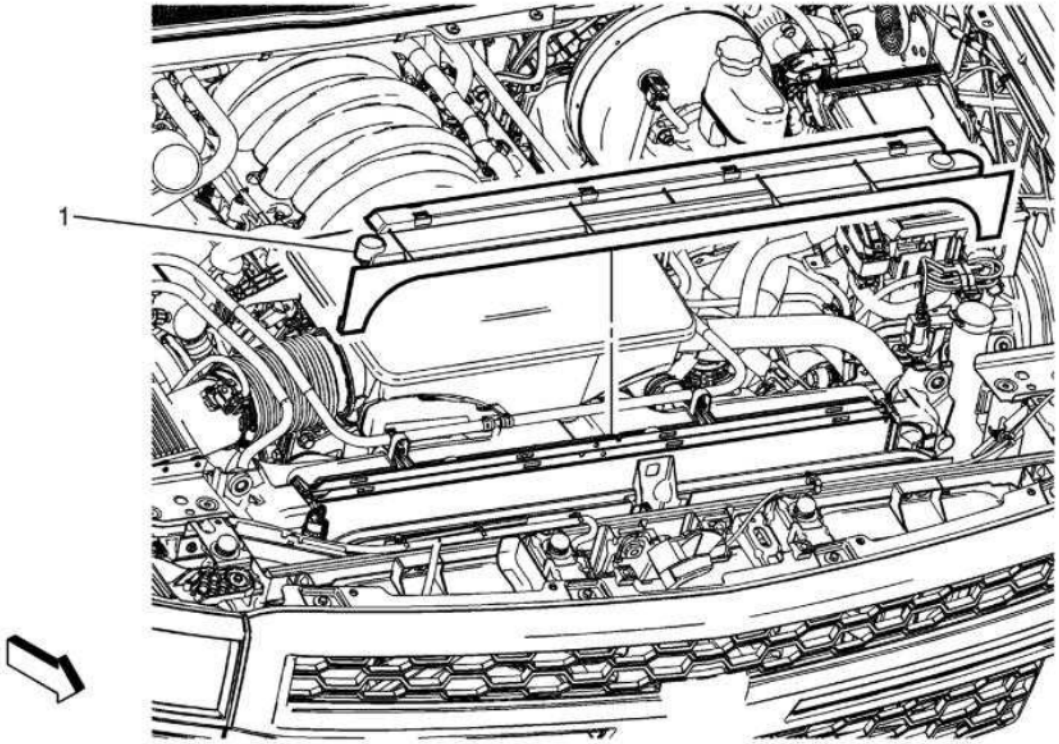


Fig. 107: Radiator Air Upper Baffle And Deflector (L83, L86, LV1, LV3)

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

49. Radiator Air Upper Baffle and Deflector (1) - Remove **Radiator Air Upper Baffle and Deflector Replacement (L83, L86, LV3)** **Radiator Air Upper Baffle and Deflector Replacement (L8B)**

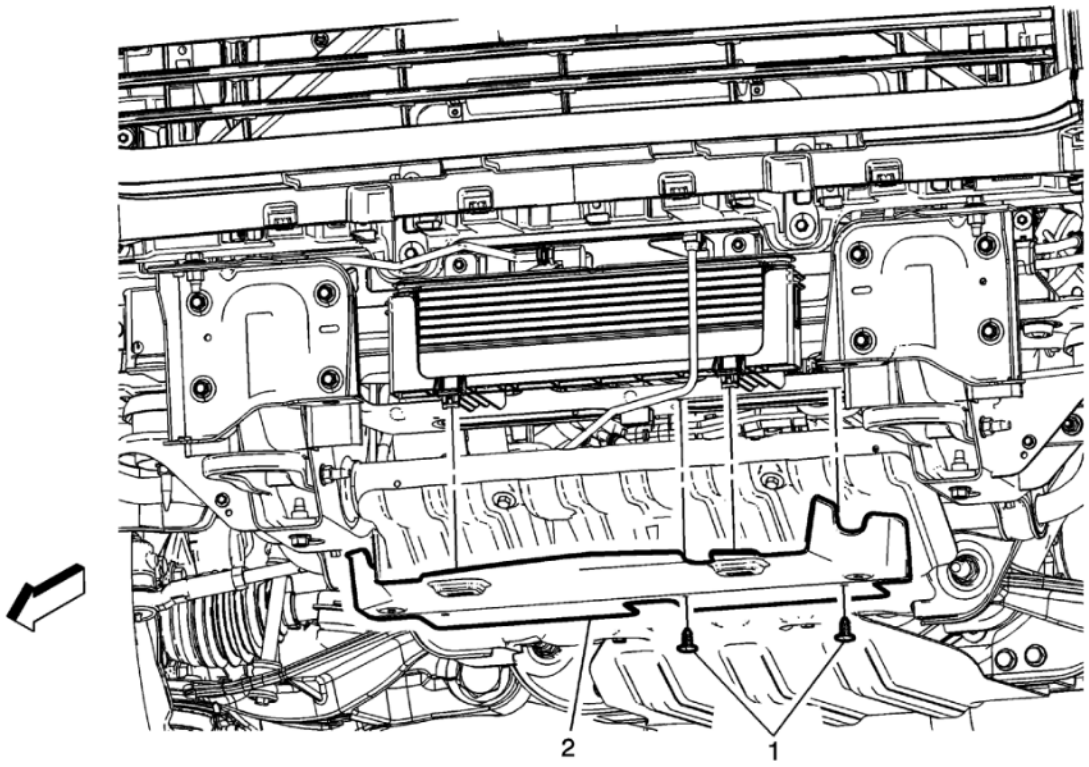


Fig. 108: Radiator Air Lower Baffle (LC8, L96, LML)
Courtesy of GENERAL MOTORS COMPANY

50. Radiator Air Lower Baffle (2) - Remove **Radiator Air Lower Baffle Replacement (L83, L86, LV3)** **Radiator Air Lower Baffle Replacement (LC8, L96, LML)** **Radiator Air Lower Baffle Replacement (L8B)** **Radiator Air Lower Baffle Replacement (L5P)**

cardiagn.com

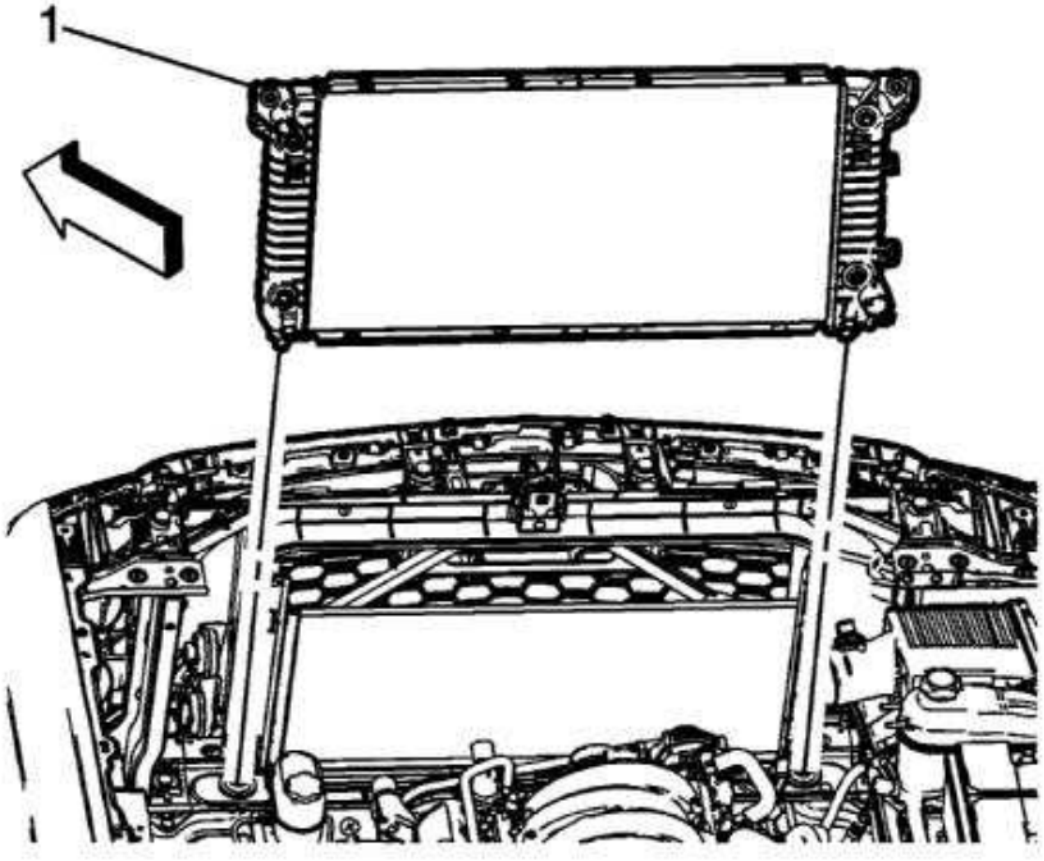


Fig. 109: Radiator
Courtesy of GENERAL MOTORS COMPANY

51. Radiator(1) - Remove **Radiator Replacement (LV3)** **Radiator Replacement (L83, L86)** **Radiator Replacement (LC8, L96)** **Radiator Replacement (L8B)** **Radiator Replacement (L5P)**

cardiagn.com

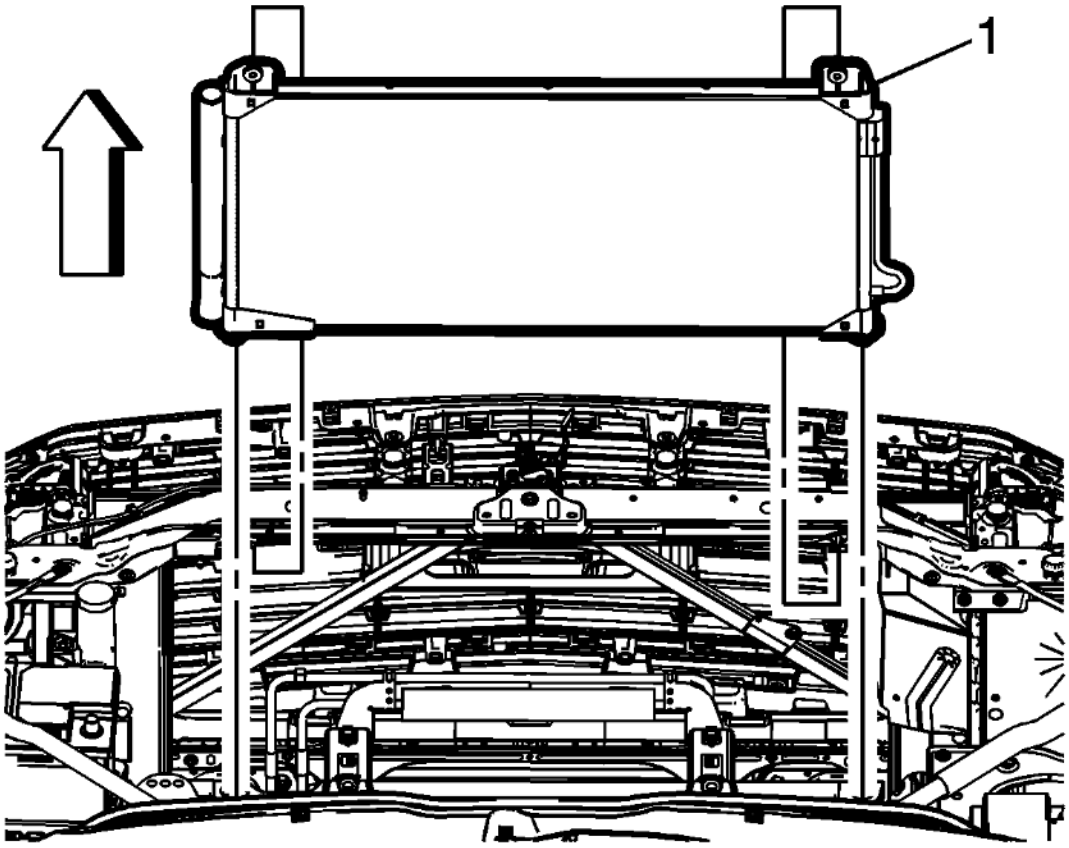


Fig. 110: Air Conditioning Condenser
Courtesy of GENERAL MOTORS COMPANY

52. Air Conditioning Condenser (1) - Remove **Air Conditioning Condenser Replacement (L96, LC8)** **Air Conditioning Condenser Replacement (LV3)** **Air Conditioning Condenser Replacement (L83, L86)** **Air Conditioning Condenser Replacement (L8B)** **Air Conditioning Condenser Replacement (L5P)**

cardiagn.com

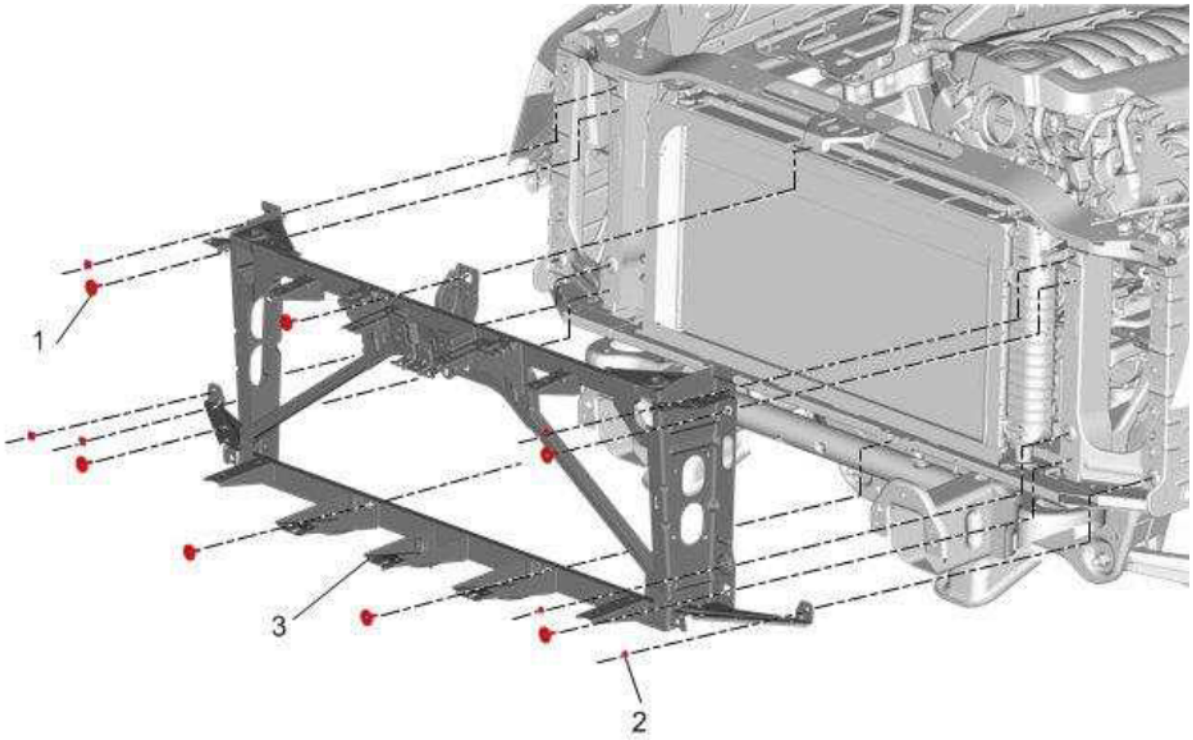


Fig. 111: Headlamp and Radiator Grille Mount Panel
Courtesy of GENERAL MOTORS COMPANY

53. Headlamp and Radiator Grille Mount Pane l(3) - Remove **Headlamp and Radiator Grille Mount Panel Replacement (Without LP)Headlamp and Radiator Grille Mount Panel Replacement (With LP5)**

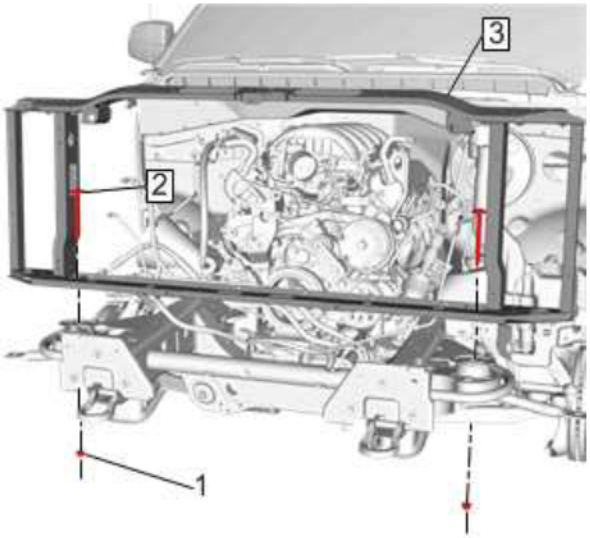


Fig. 112: Body Mount Nut, Bolt And Radiator Lower Support
Courtesy of GENERAL MOTORS COMPANY

54. Body Mount Nut (1) - Remove
55. Body Mount Bolt (2) - Remove
56. Radiator Lower Support (3) - Remove

cardiagn.com

Installation Procedure

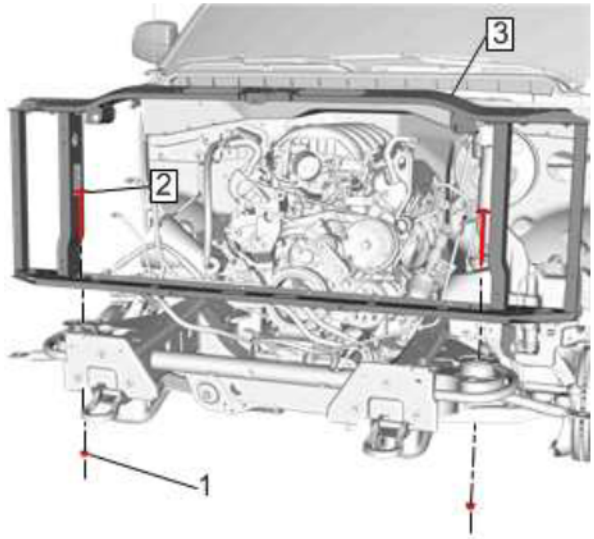


Fig. 113: Body Mount Nut, Bolt And Radiator Lower Support
Courtesy of GENERAL MOTORS COMPANY

1. Radiator Lower Support (3) - Install
2. Body Mount Bolt (2) - Install
3. Body Mount Nut (1) - Install and tighten 70 N.m (52 lb ft)

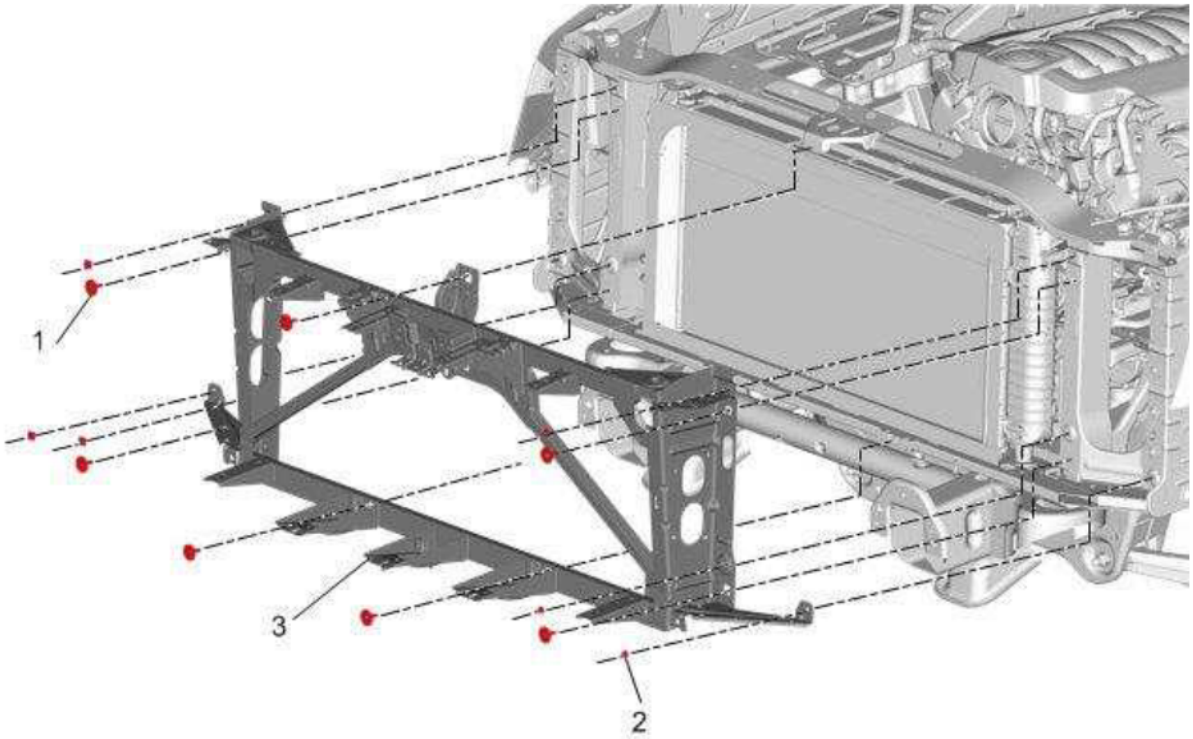


Fig. 114: Headlamp and Radiator Grille Mount Panel
Courtesy of GENERAL MOTORS COMPANY

cardiagn.com

4. Headlamp and Radiator Grille Mount Panel (3) - Install **Headlamp and Radiator Grille Mount Panel Replacement (Without LP)Headlamp and Radiator Grille Mount Panel Replacement (With LP5)**

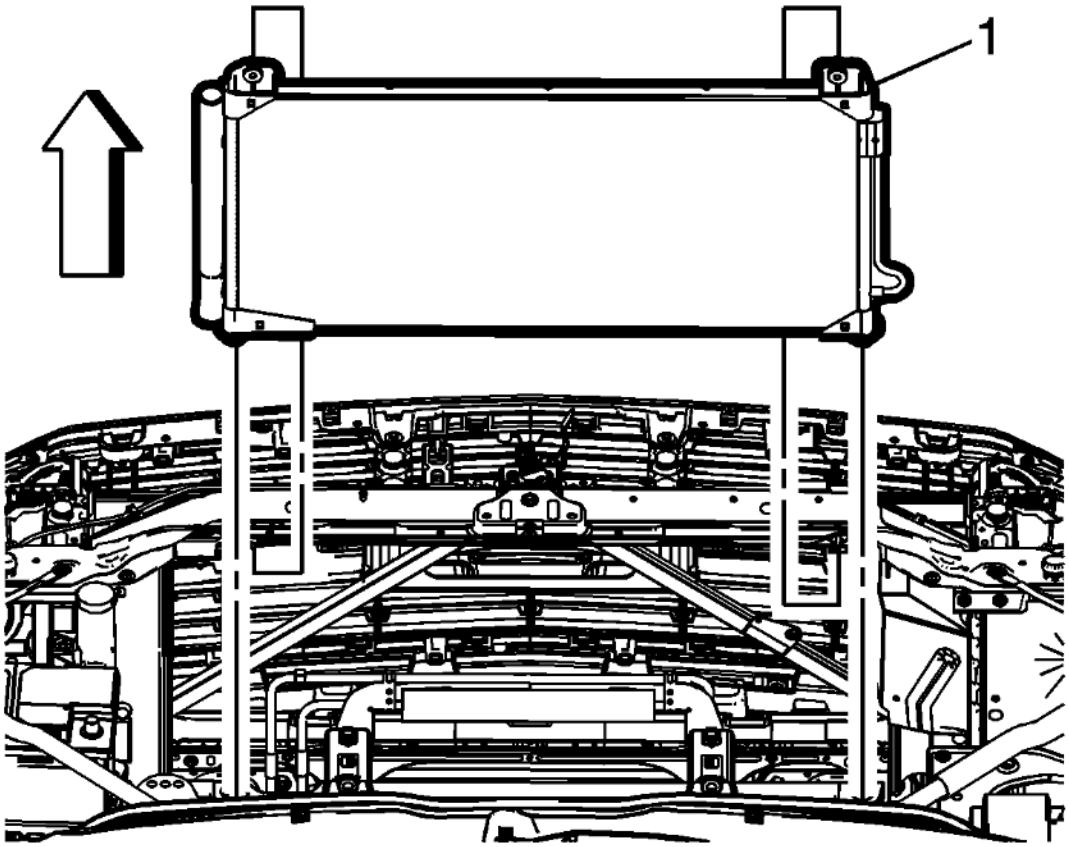


Fig. 115: Air Conditioning Condenser
Courtesy of GENERAL MOTORS COMPANY

5. Air Conditioning Condenser (1) - Install **Air Conditioning Condenser Replacement (L96, LC8) Air Conditioning Condenser Replacement (LV3) Air Conditioning Condenser Replacement (L83, L86) Air Conditioning Condenser Replacement (L8B) Air Conditioning Condenser Replacement (L5P)**

cardiagn.com

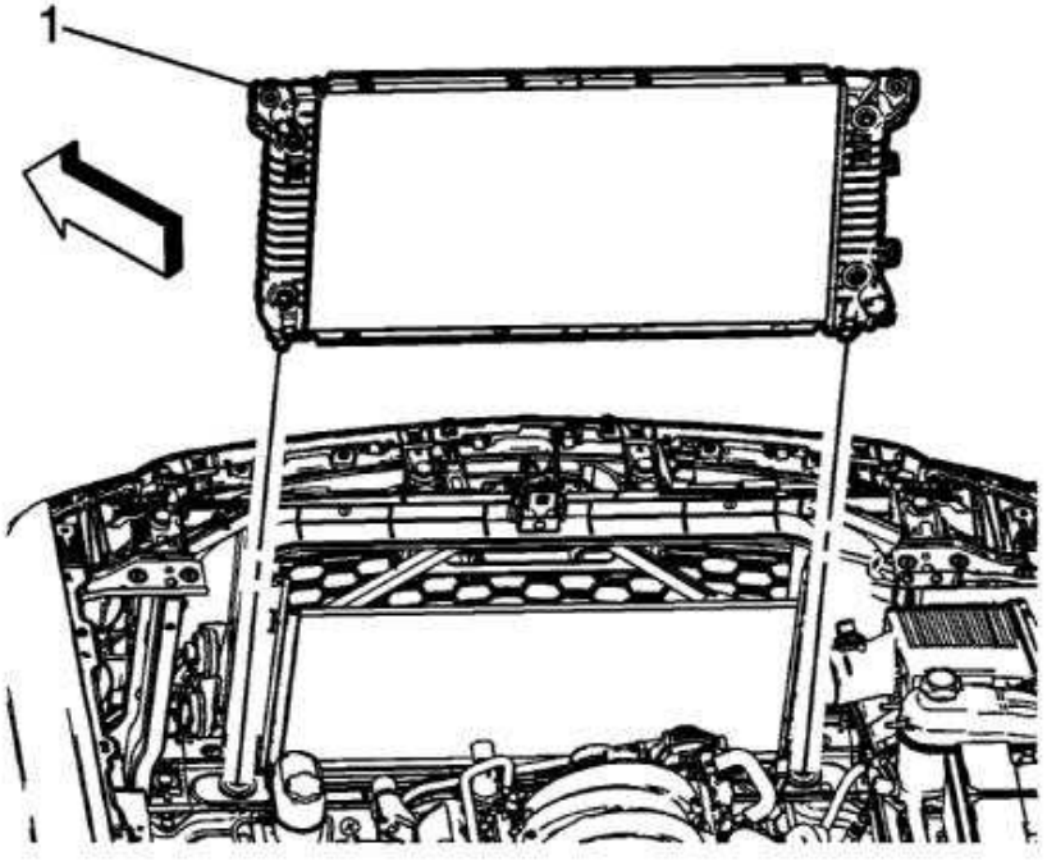


Fig. 116: Radiator
Courtesy of GENERAL MOTORS COMPANY

6. Radiator (1) - Install **Radiator Replacement (LV3)** **Radiator Replacement (L83, L86)** **Radiator Replacement (LC8, L96)** **Radiator Replacement (L8B)** **Radiator Replacement (L5P)**

cardiagn.com

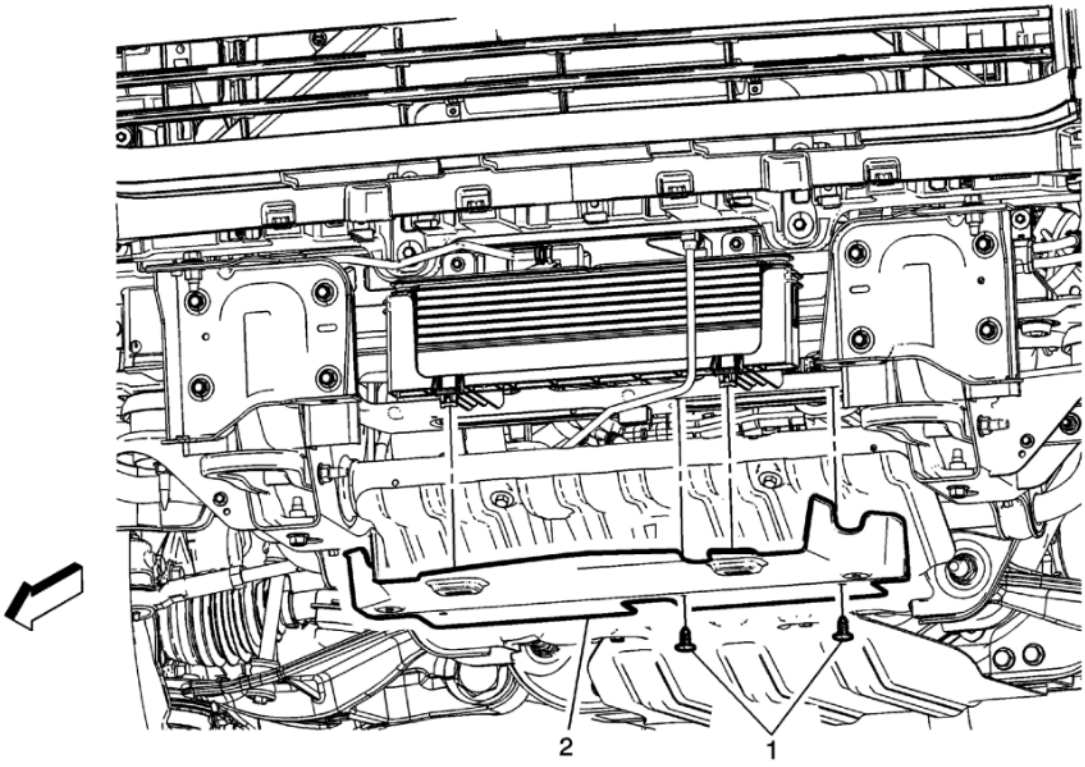
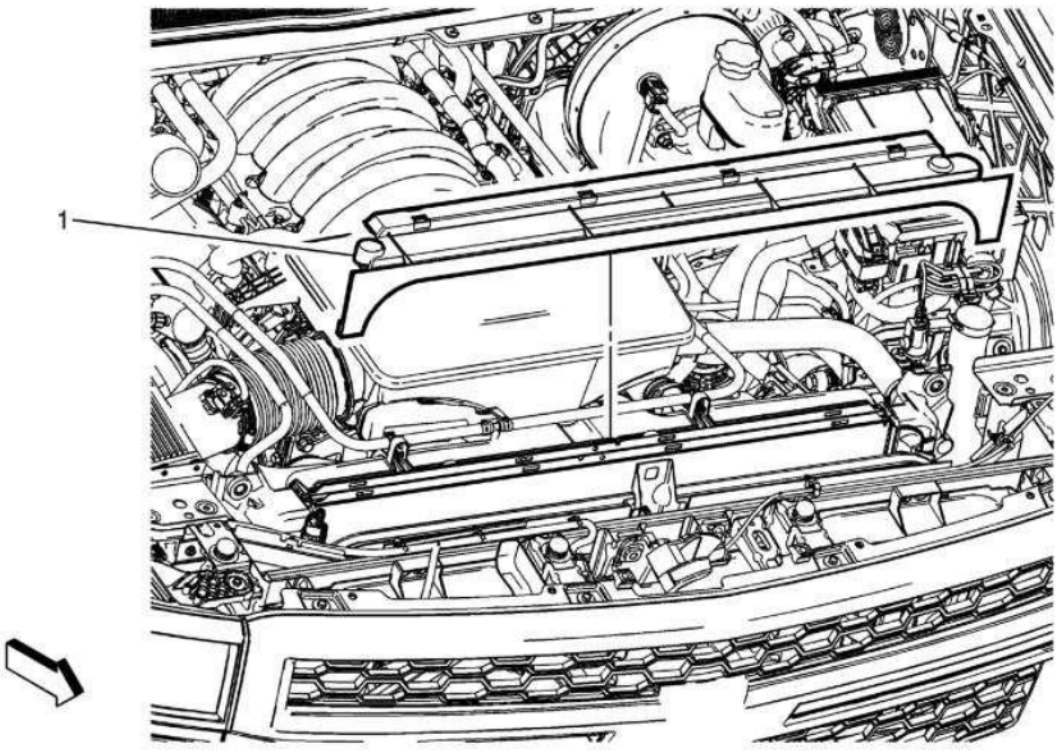


Fig. 117: Radiator Air Lower Baffle (LC8, L96, LML)
Courtesy of GENERAL MOTORS COMPANY

7. Radiator Air Lower Baffle (2) - Install **Radiator Air Lower Baffle Replacement (L83, L86, LV3)** **Radiator Air Lower Baffle Replacement (LC8, L96, LML)** **Radiator Air Lower Baffle Replacement (L8B)** **Radiator Air Lower Baffle Replacement (L5P)**



cardiagn.com

Fig. 118: Radiator Air Upper Baffle And Deflector (L83, L86, LV1, LV3)
Courtesy of GENERAL MOTORS COMPANY

8. Radiator Air Upper Baffle and Deflector (1) - Install **Radiator Air Upper Baffle and Deflector Replacement (L83, L86, LV3)** **Radiator Air Upper Baffle and Deflector Replacement (L8B)**

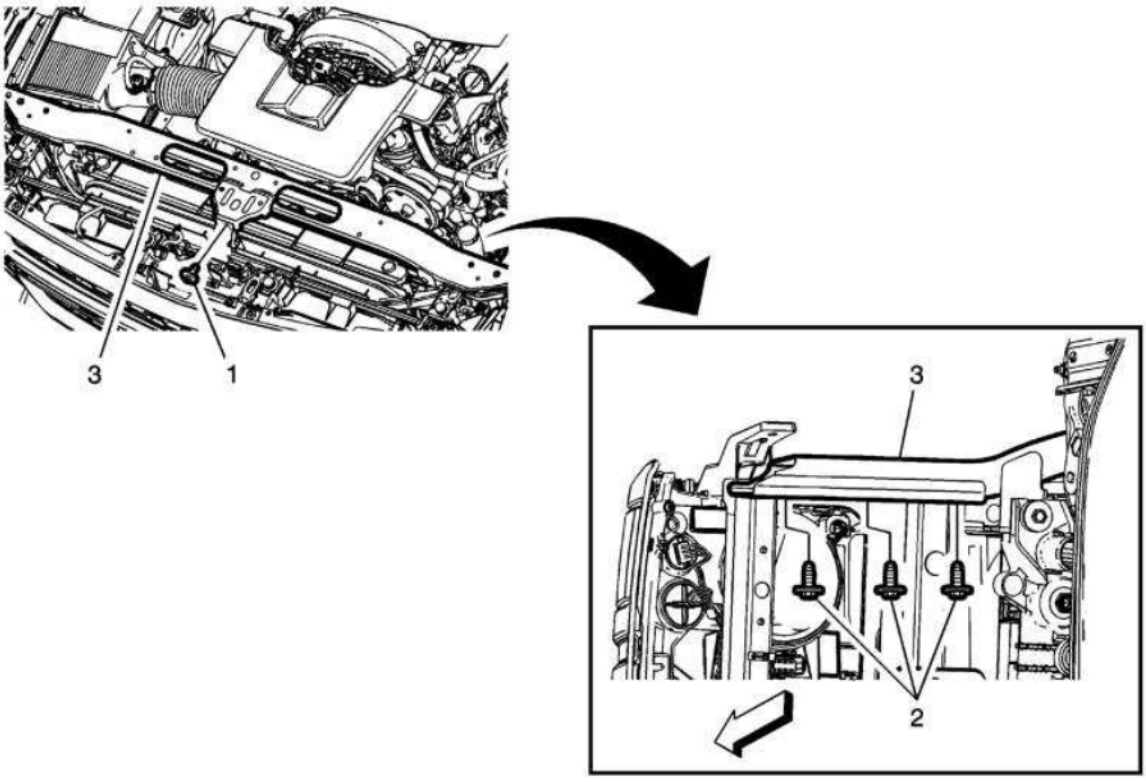


Fig. 119: Front End Upper Tie Bar Support
Courtesy of GENERAL MOTORS COMPANY

9. Front End Upper Tie Bar Support (3) - Install **Front End Upper Tie Bar Support Replacement**

cardiagn.com

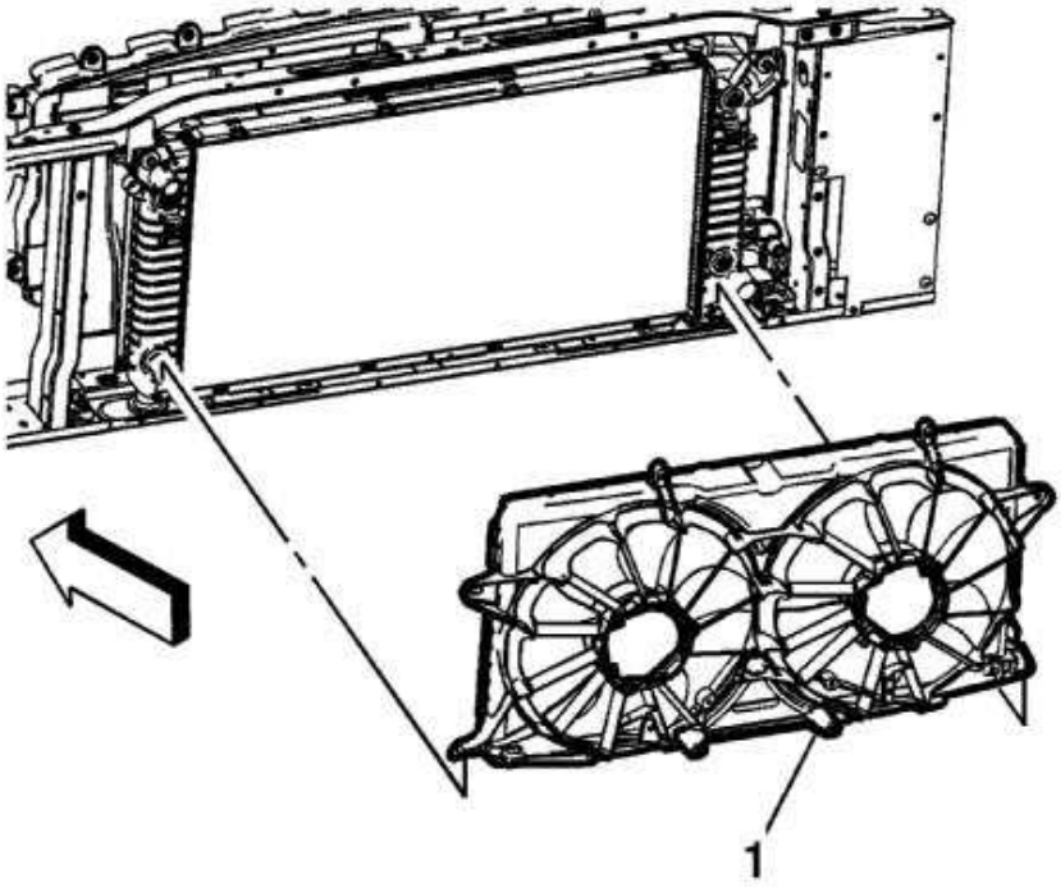


Fig. 120: Engine Coolant Fan Rear Shroud
Courtesy of GENERAL MOTORS COMPANY

10. Engine Coolant Fan Rear Shroud (1) - Install **Engine Coolant Fan Rear Shroud Replacement (LV3)** **Engine Coolant Fan Rear Shroud Replacement (L83, L86)**

cardiagn.com

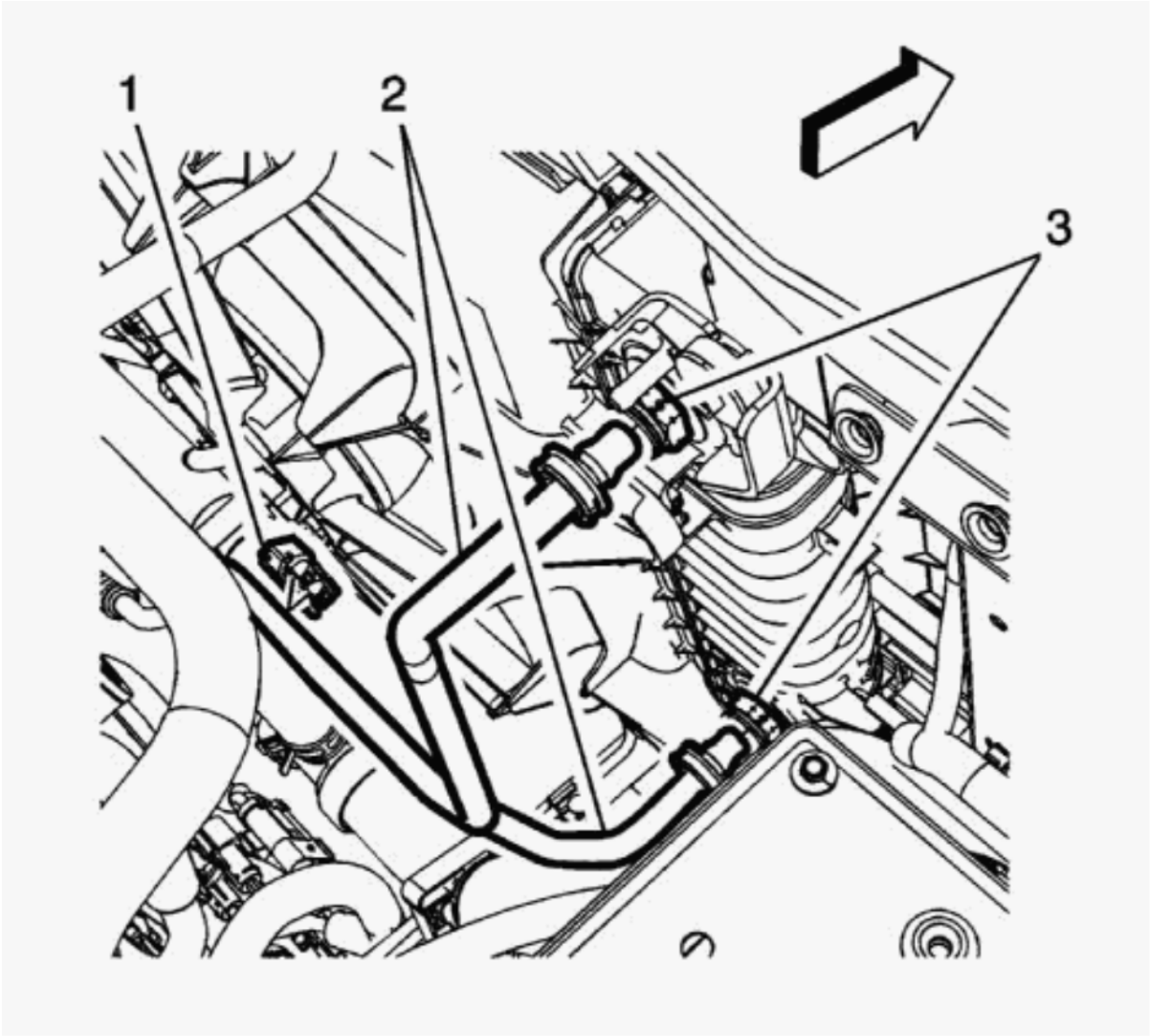


Fig. 121: Engine Oil Cooler Hoses And Retainer
Courtesy of GENERAL MOTORS COMPANY

11. Engine Oil Cooler Hose (2) - Connect **Engine Oil Cooler Hose Replacement**

cardiagn.com

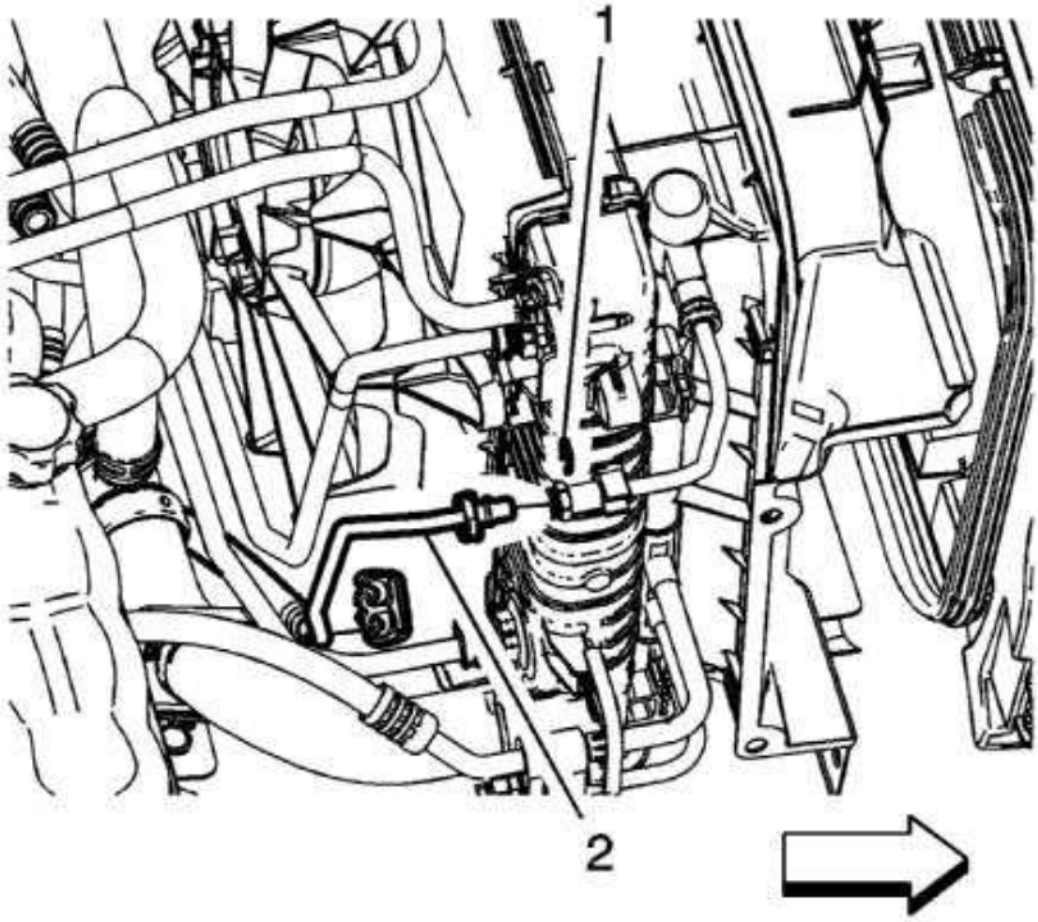


Fig. 122: Transmission Fluid Cooler Inlet And Outlet Pipe Retainer
Courtesy of GENERAL MOTORS COMPANY

12. Transmission Fluid Cooler Inlet and Outlet Pipe (2) - Connect **Transmission Fluid Cooler Inlet and Outlet Pipe Replacement (LV3)** **Transmission Fluid Cooler Inlet and Outlet Pipe Replacement (L83, L86 with MYD)** **Transmission Fluid Cooler Inlet and Outlet Pipe Replacement (LC8, L96 with MYD)** **Transmission Fluid Cooler Inlet and Outlet Pipe Replacement (L86 with M5U)** **Transmission Fluid Cooler Inlet and Outlet Pipe Replacement (L8B)**

cardiagn.com

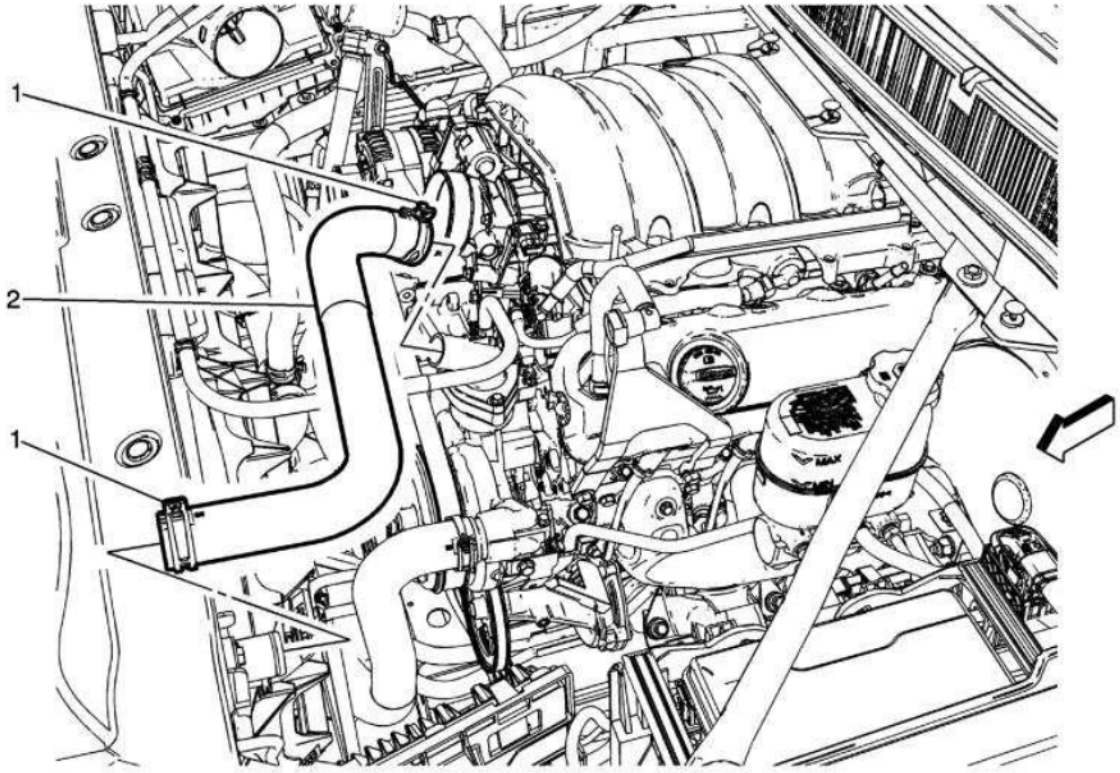
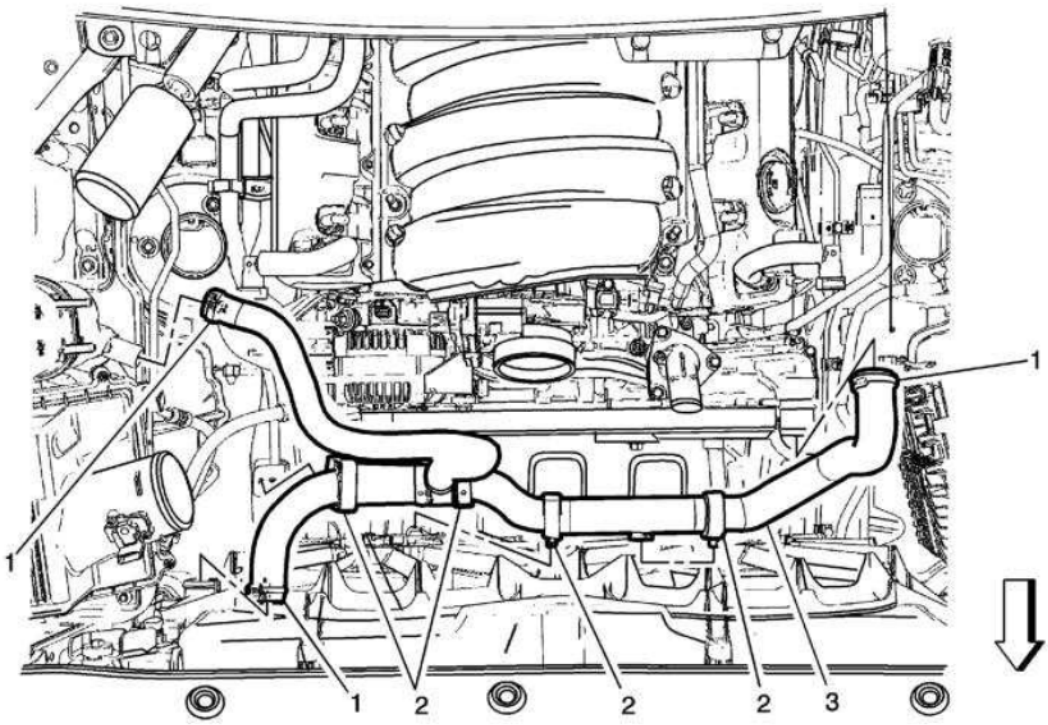


Fig. 123: Radiator Inlet Hose
Courtesy of GENERAL MOTORS COMPANY

13. Radiator Inlet Hose (2) - Install **Radiator Inlet Hose Replacement (L83, L86)** **Radiator Inlet Hose Replacement (LV3)** **Radiator Inlet Hose Replacement (LC8, L96)** **Radiator Inlet Hose Replacement (L8B)** **Radiator Inlet Hose Replacement (L5P)**



cardiagn.com

Fig. 124: Radiator Outlet Hose Retainers
Courtesy of GENERAL MOTORS COMPANY

14. Radiator Outlet Hose (3) - Install **Radiator Outlet Hose Replacement (L83, L86)** **Radiator Outlet Hose Replacement (LV3)** **Radiator Outlet Hose Replacement (LC8, L96)** **Radiator Outlet Hose Replacement (L8B)** **Radiator Outlet Hose Replacement (L5P)**

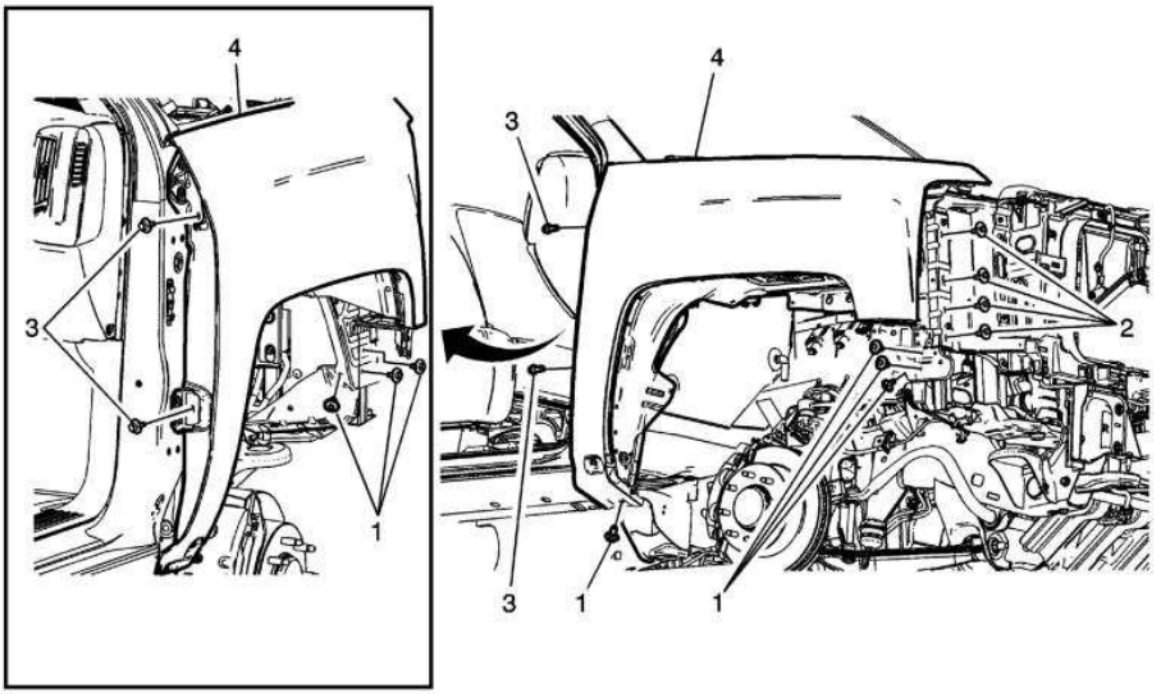


Fig. 125: Front Fender - Right Side
Courtesy of GENERAL MOTORS COMPANY

15. Front Fender - Right Side (4) - Install **Front Fender Replacement - Right Side**

cardiagn.com

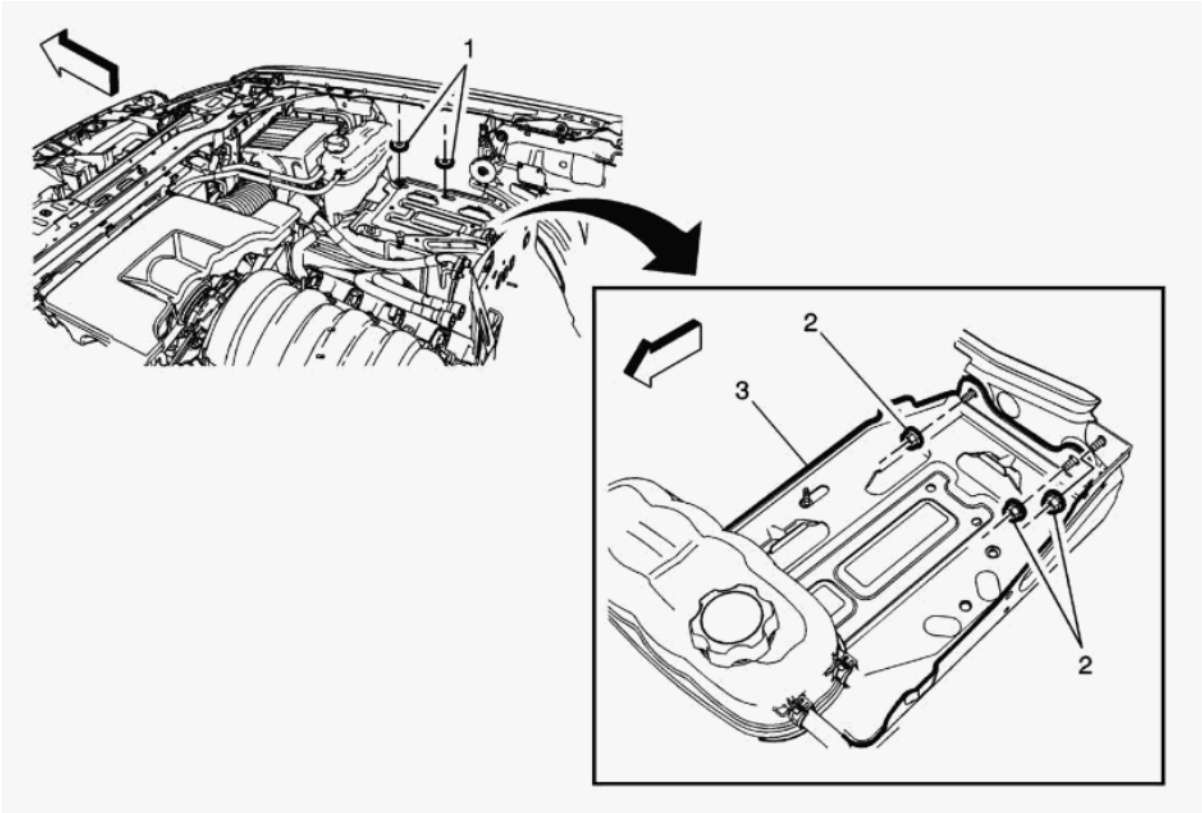


Fig. 126: Battery Tray
Courtesy of GENERAL MOTORS COMPANY

16. Battery Tray (4) - Install **Battery Tray Replacement (Diesel)** **Battery Tray Replacement (Gas)**

cardiagn.com

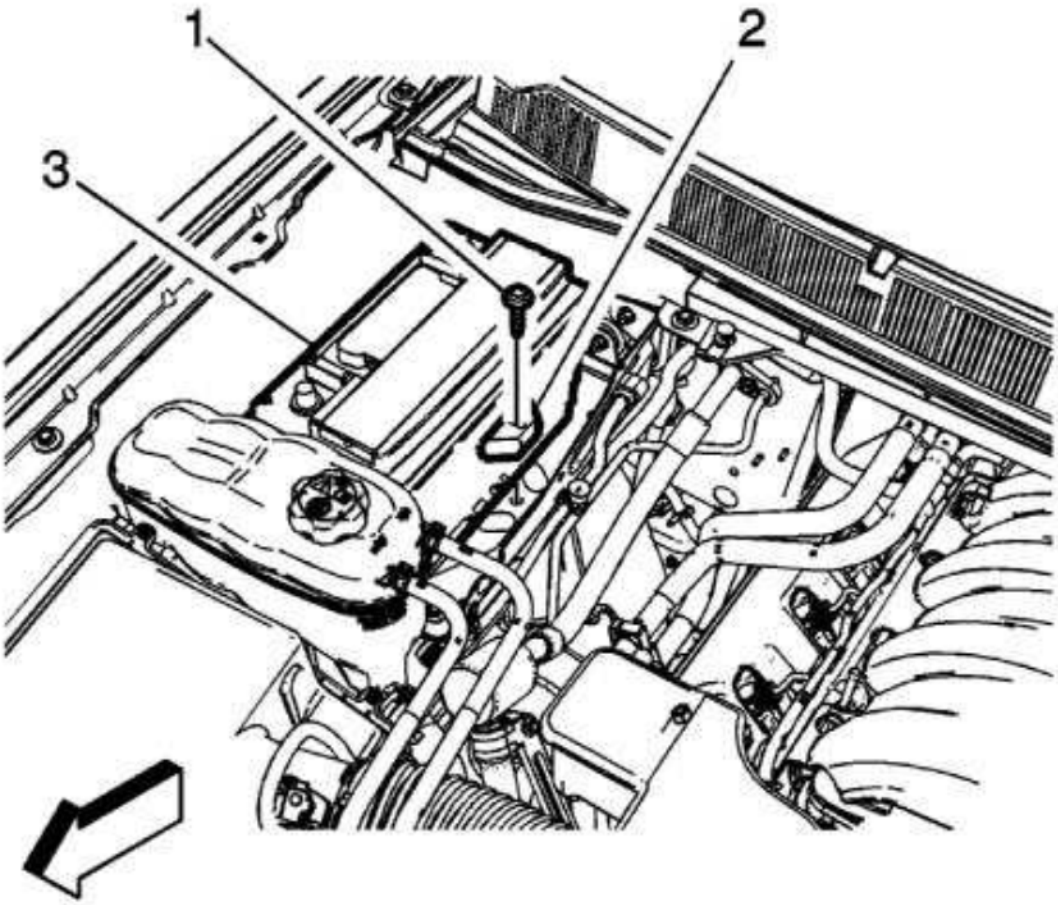


Fig. 127: Battery Retainer Fastener And Battery Retainer
Courtesy of GENERAL MOTORS COMPANY

17. Battery (3) - Install **Battery Replacement (Gas)** **Battery Replacement (Diesel)**

cardiagn.com

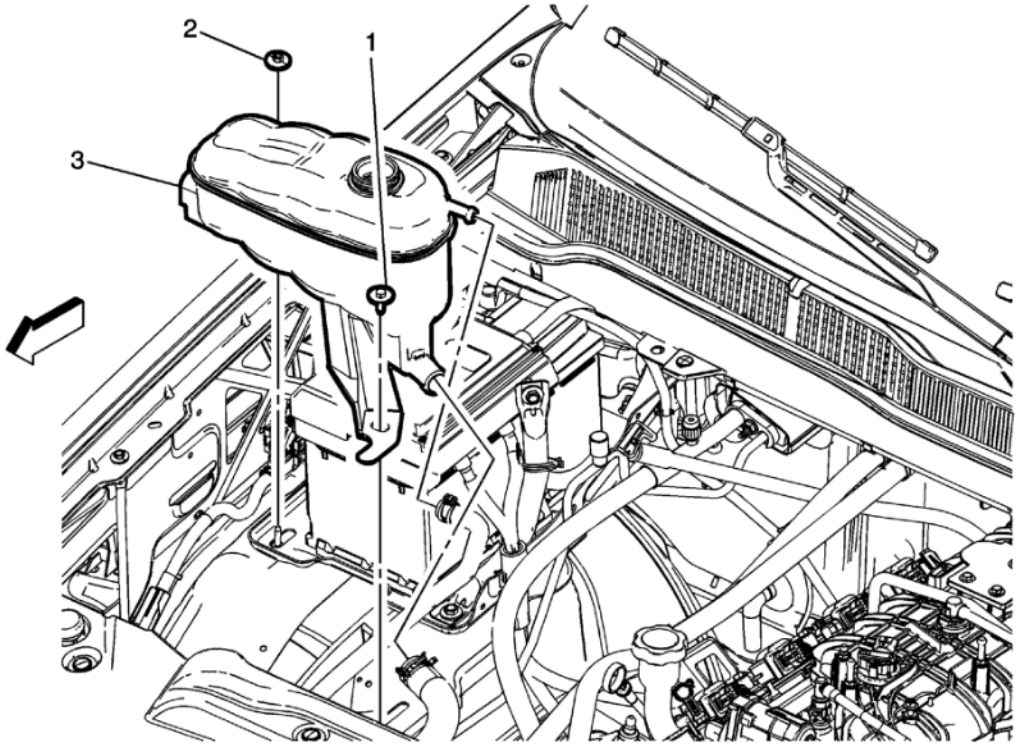


Fig. 128: Radiator Surge Tank (LC8, L96)
Courtesy of GENERAL MOTORS COMPANY

18. Radiator Surge Tank (3) - Install **Radiator Surge Tank Replacement (L83, L86)** **Radiator Surge Tank Replacement (LV3)** **Radiator Surge Tank Replacement (LC8, L96)** **Radiator Surge Tank Replacement (L8B)** **Radiator Surge Tank Replacement (L5P)**

cardiagn.com

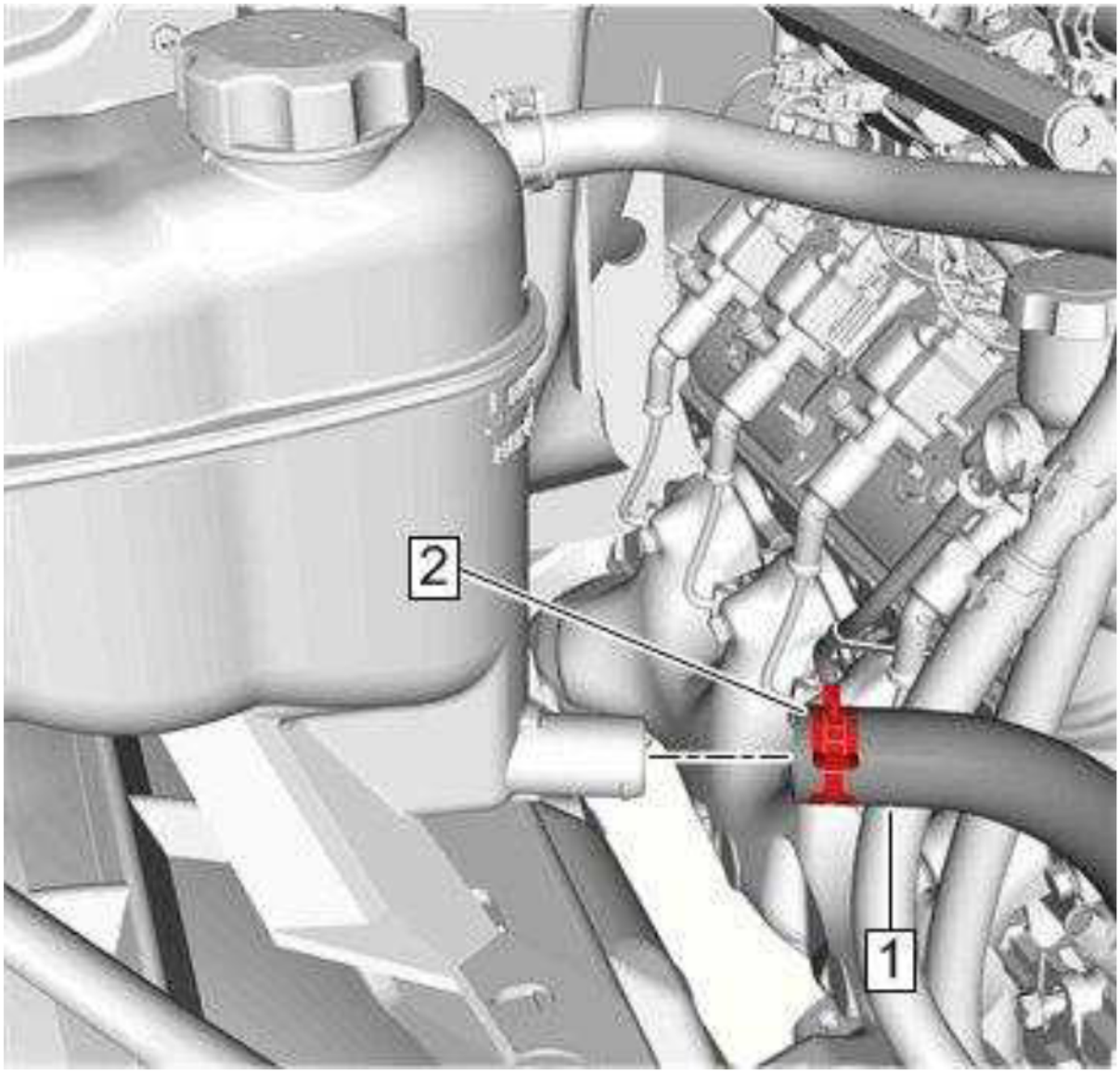


Fig. 129: Radiator Surge Tank Outlet Hose Clamp at Radiator Surge Tank
Courtesy of GENERAL MOTORS COMPANY

19. Radiator Surge Tank Outlet Hose (2) - Install **Radiator Surge Tank Outlet Hose Replacement (LC8, L96)** **Radiator Surge Tank Outlet Hose Replacement (CNG)**

cardiagn.com

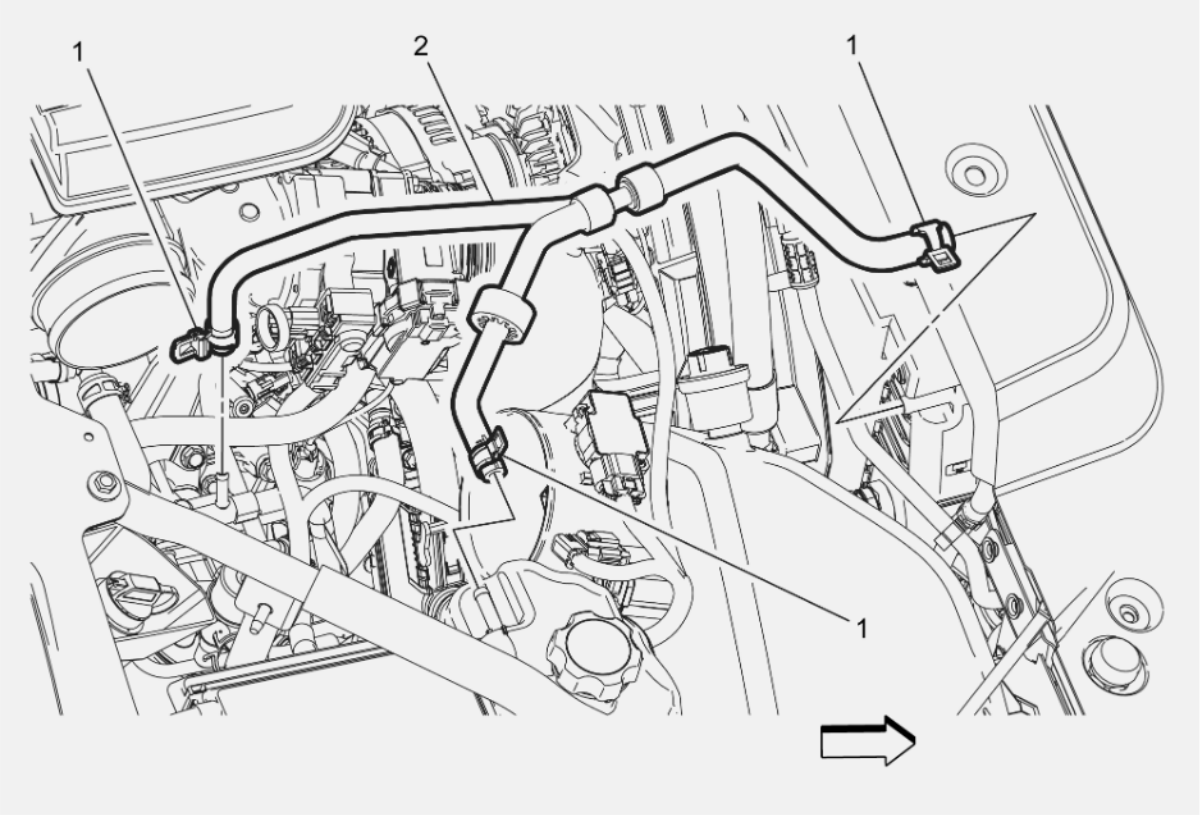


Fig. 130: Radiator Surge Tank Inlet Hose Replacement (LML)
Courtesy of GENERAL MOTORS COMPANY

20. Radiator Surge Tank Inlet Hose (2) - Install **Radiator Surge Tank Inlet Hose Replacement (Surge Tank To Radiator L83, L86, LV3)** **Radiator Surge Tank Inlet Hose Replacement (Surge Tank To Water Outlet L83, L86)** **Radiator Surge Tank Inlet Hose Replacement (Surge Tank To Water Outlet LV3)** **Radiator Surge Tank Inlet Hose Replacement (LC8, L96)** **Radiator Surge Tank Inlet Hose Replacement (L8B)** **Radiator Surge Tank Inlet Hose Replacement (Surge Tank to Radiator to Radiator Surge Tank Inlet Hose L5P)** **Radiator Surge Tank Inlet Hose Replacement (Surge Tank to Engine L5P)**

cardiagn.com

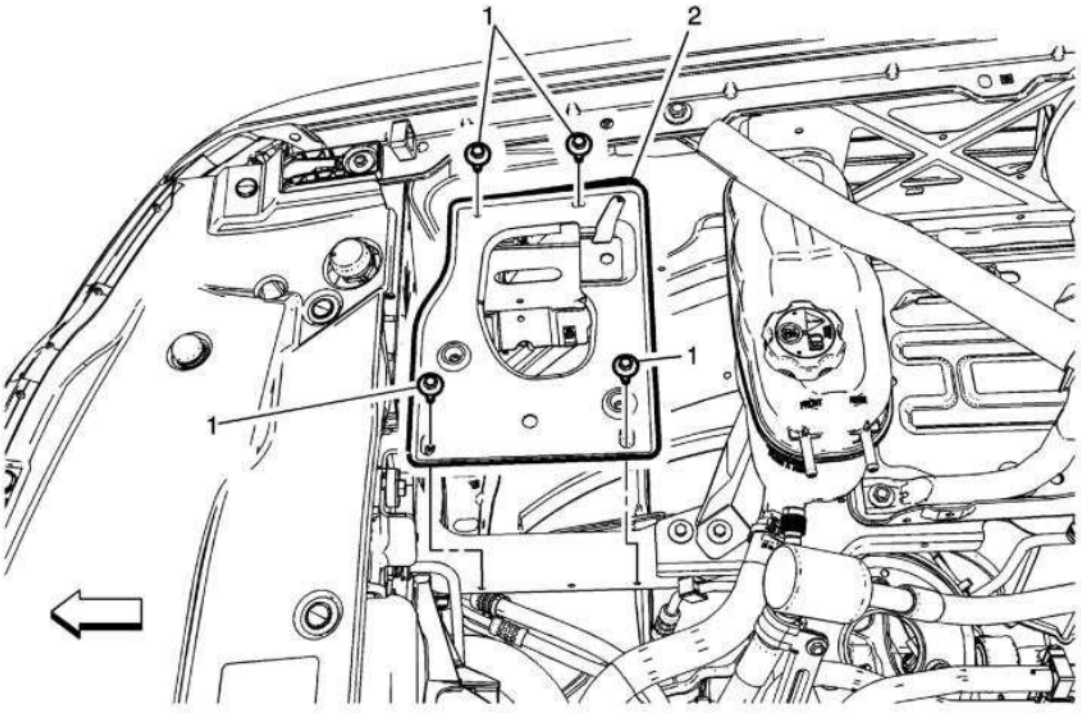


Fig. 131: Air Cleaner Bracket (L83, L86)
Courtesy of GENERAL MOTORS COMPANY

21. Air Cleaner Bracket (2) - Install **Air Cleaner Bracket Replacement**

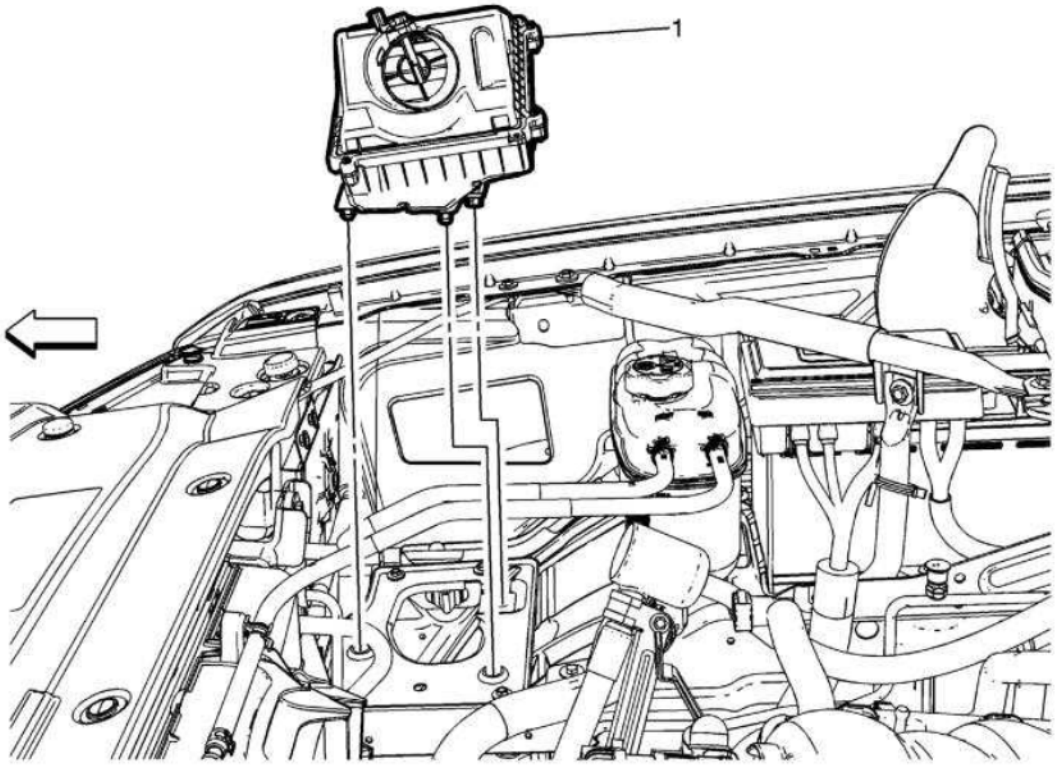


Fig. 132: Air Cleaner Assembly

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

22. Air Cleaner Assembly (1) - Install **Air Cleaner Assembly Replacement**

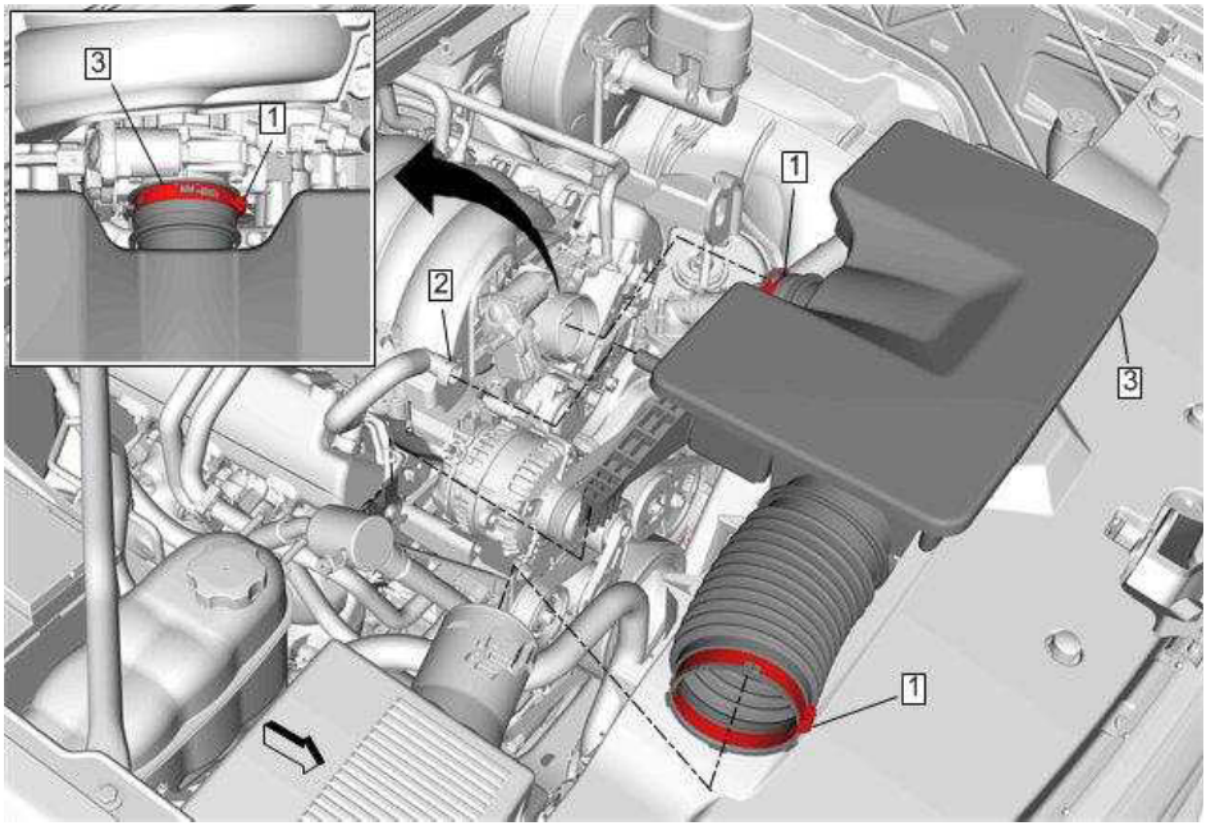


Fig. 133: Air Cleaner Outlet Duct
Courtesy of GENERAL MOTORS COMPANY

23. Air Cleaner Outlet Duct (3) - Install **Air Cleaner Outlet Duct Replacement**

cardiagn.com

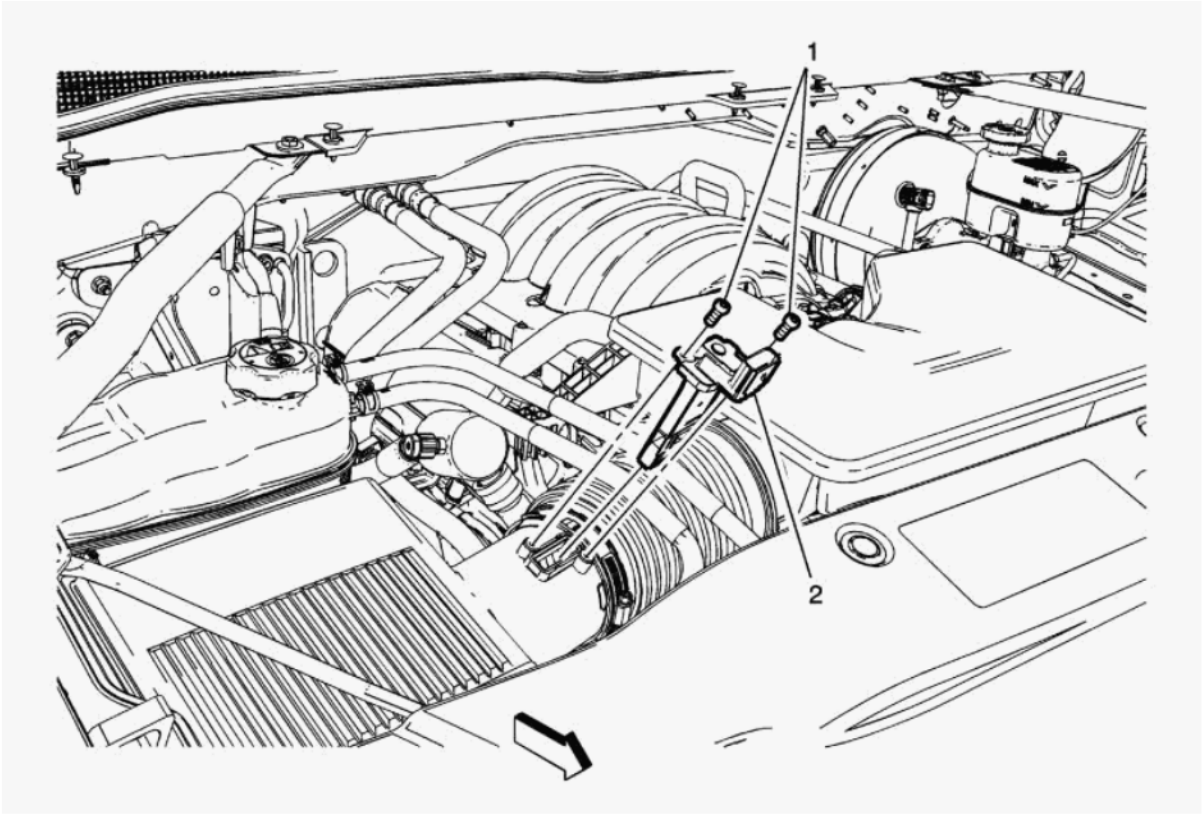


Fig. 134: Mass Airflow Sensor
Courtesy of GENERAL MOTORS COMPANY

24. Mass Airflow Sensor (2) - Install **Mass Airflow Sensor Replacement**

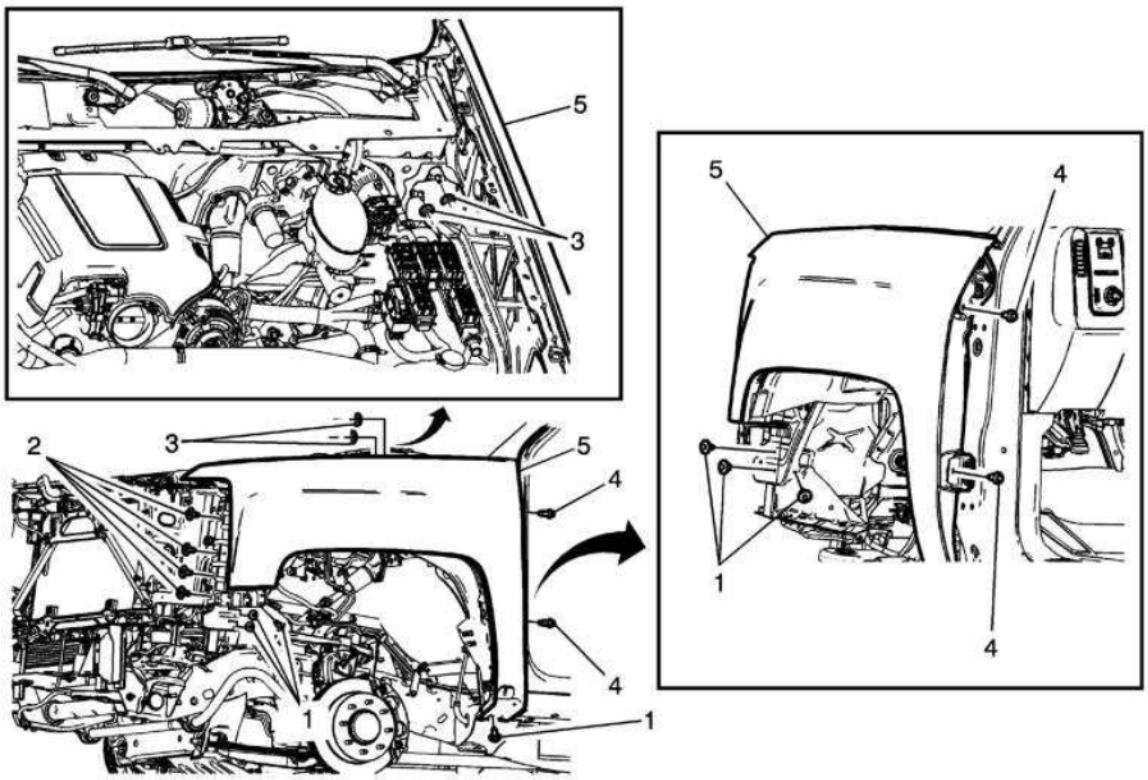


Fig. 135: Front Fender - Left Side

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

25. Front Fender-Left Side (5) - Install **Front Fender Replacement - Left Side**

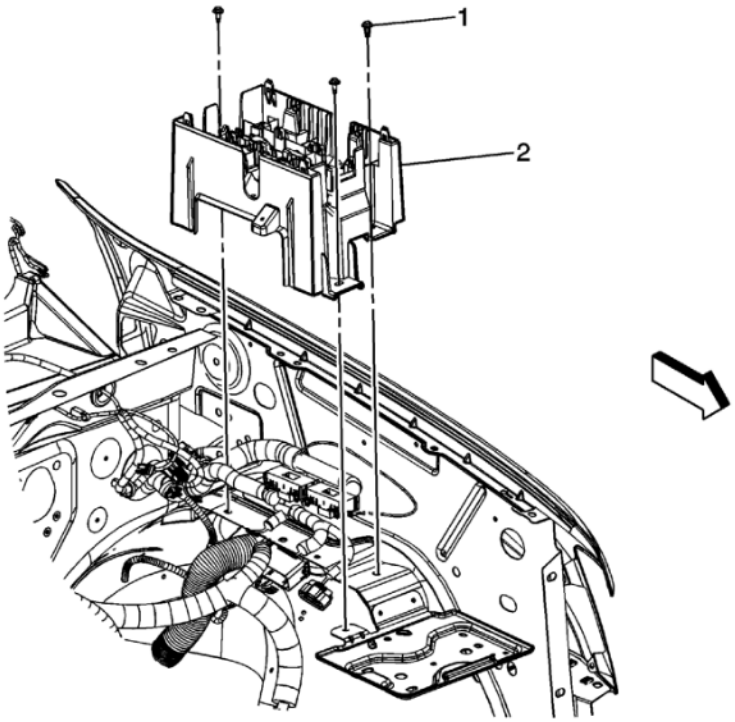


Fig. 136: View Of Underhood Electrical Center/Junction Block Bracket & Screws
Courtesy of GENERAL MOTORS COMPANY

26. Underhood Electrical Center or Junction Block Bracket (2) - Install **Underhood Electrical Center or Junction Block Bracket Replacement**

cardiagn.com

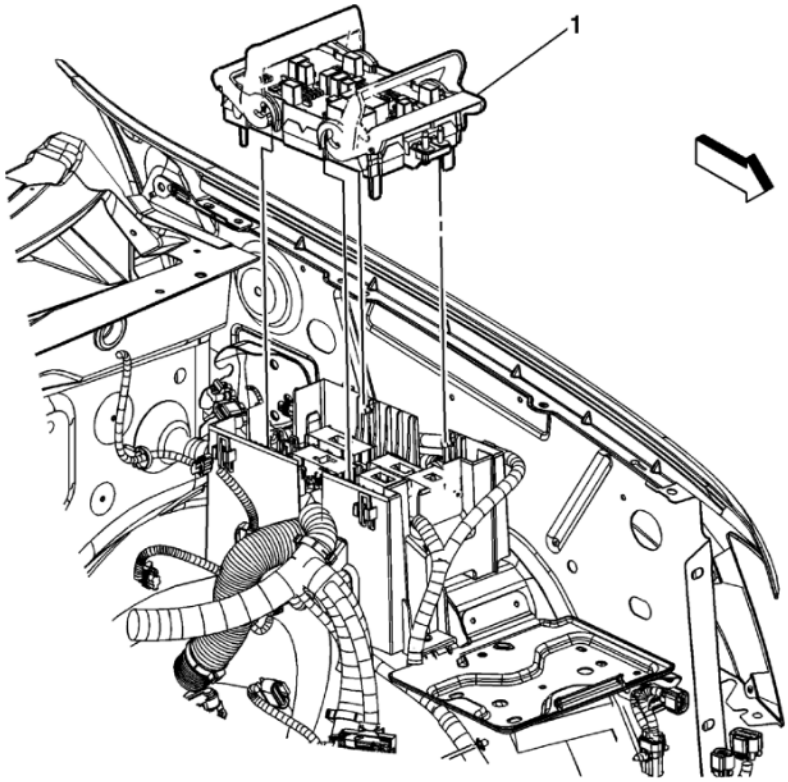


Fig. 137: View Of Underhood Electrical Center/Junction Block
Courtesy of GENERAL MOTORS COMPANY

27. Underhood Electrical Center or Junction Block (1) - Install **Underhood Electrical Center or Junction Block Replacement**

cardiagn.com

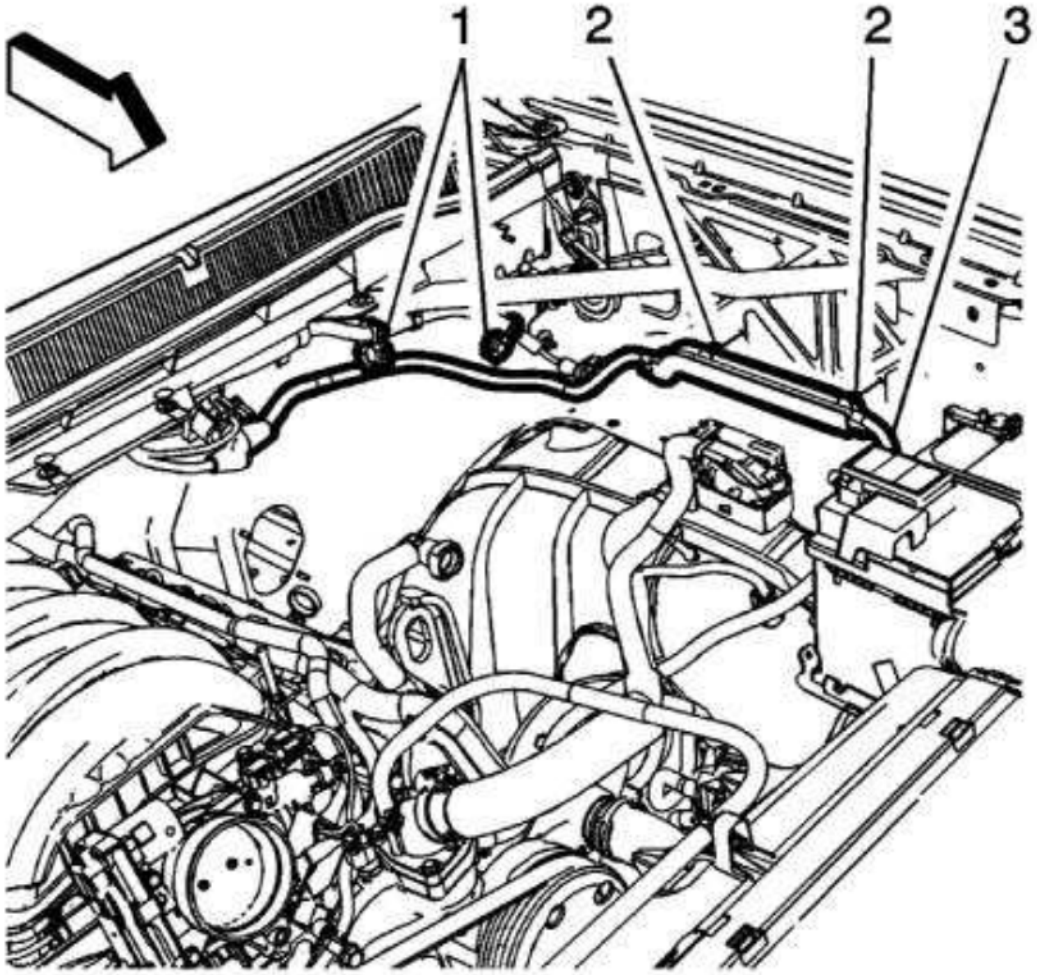


Fig. 138: Auxiliary Battery Positive Cable Conduit Retainers
Courtesy of GENERAL MOTORS COMPANY

28. Auxiliary Battery Positive Cable Replacement - Battery to Battery Relay (3) - Install **Auxiliary Battery Positive Cable Replacement - Battery to Battery Relay (K4B)**

cardiagn.com

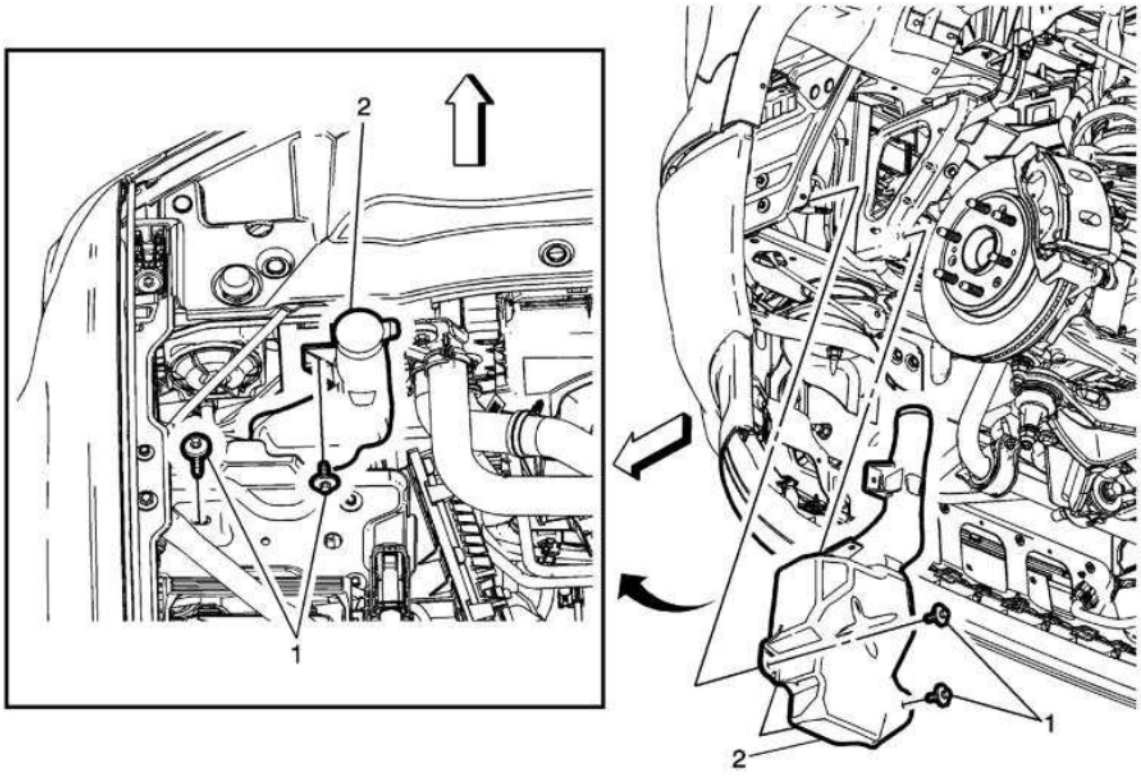
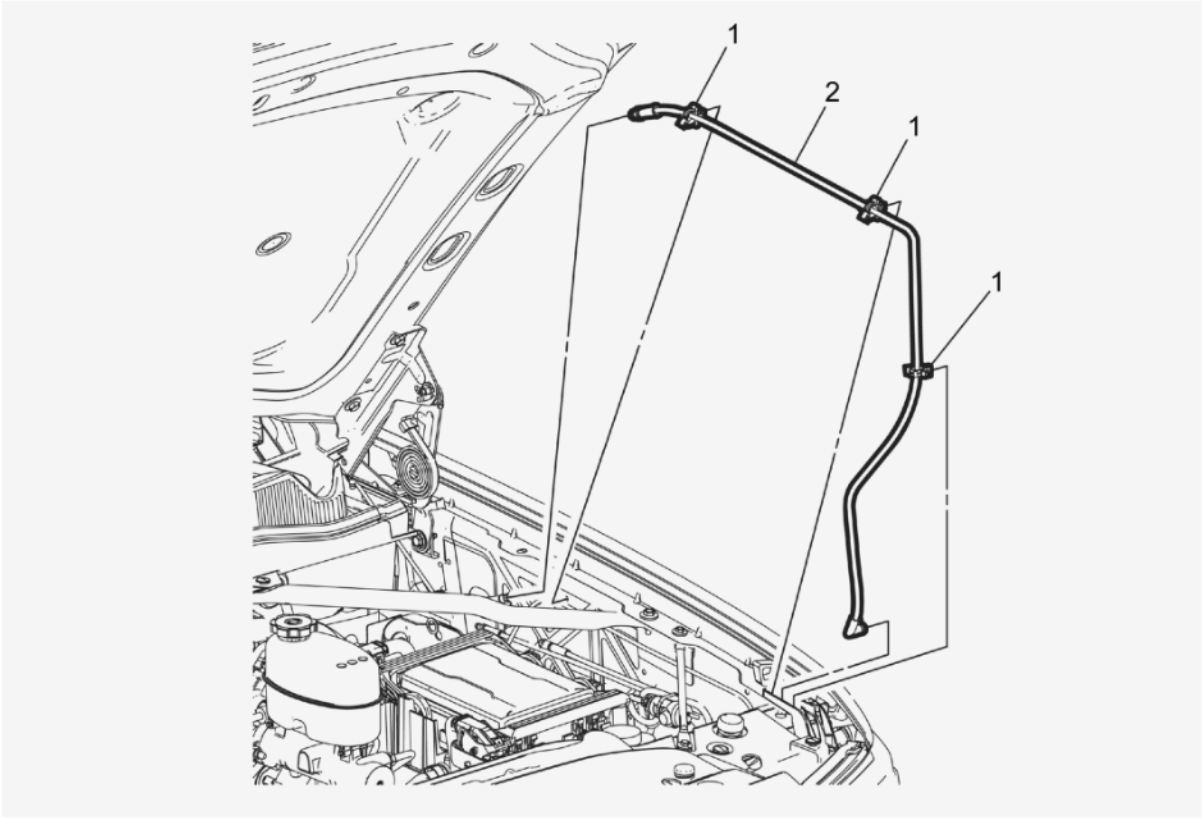


Fig. 139: Windshield Washer Solvent Container (LD)
Courtesy of GENERAL MOTORS COMPANY

29. Windshield Washer Solvent Container (2) - Install **Windshield Washer Solvent Container Replacement (LD)** **Windshield Washer Solvent Container Replacement (Diesel)** **Windshield Washer Solvent Container Replacement (HD)**



cardiagn.com

Fig. 140: Windshield Washer Pump Hose
Courtesy of GENERAL MOTORS COMPANY

30. Windshield Washer Pump Hose (2) - Install **Windshield Washer Pump Hose Replacement**

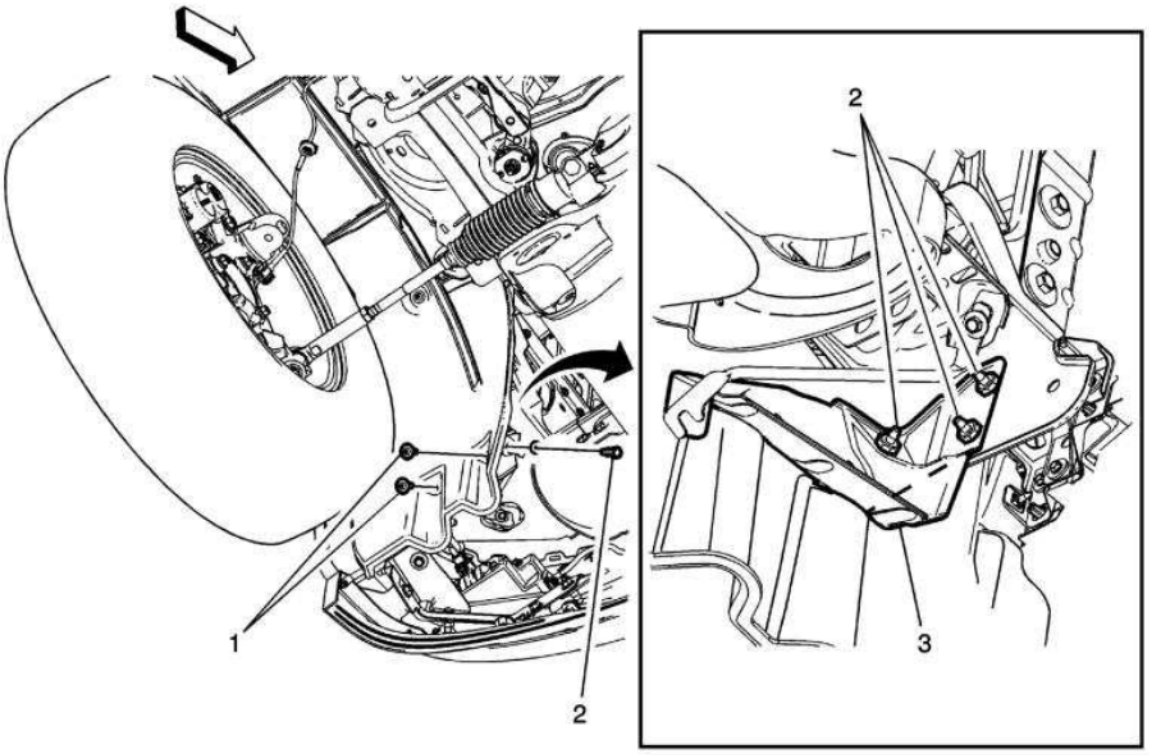


Fig. 141: Front Wheelhouse Panel Front Bracket
Courtesy of GENERAL MOTORS COMPANY

31. Front Wheelhouse Panel Front Bracket (2) - Install **Front Wheelhouse Panel Front Bracket Replacement**

cardiagn.com

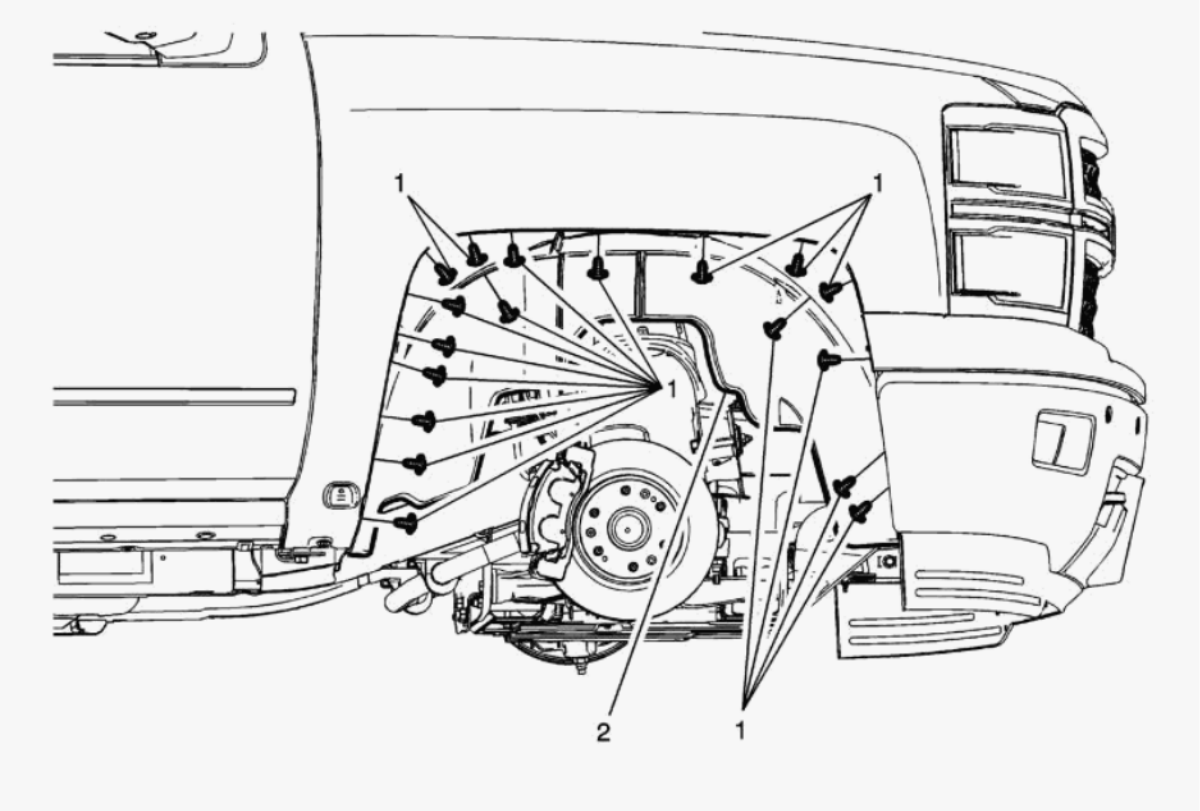


Fig. 142: Front Wheelhouse Liner - Right Side (Chevrolet)
Courtesy of GENERAL MOTORS COMPANY

32. Front Wheelhouse Liner-Right Side (2) - Install **Front Wheelhouse Liner Replacement - Right Side**

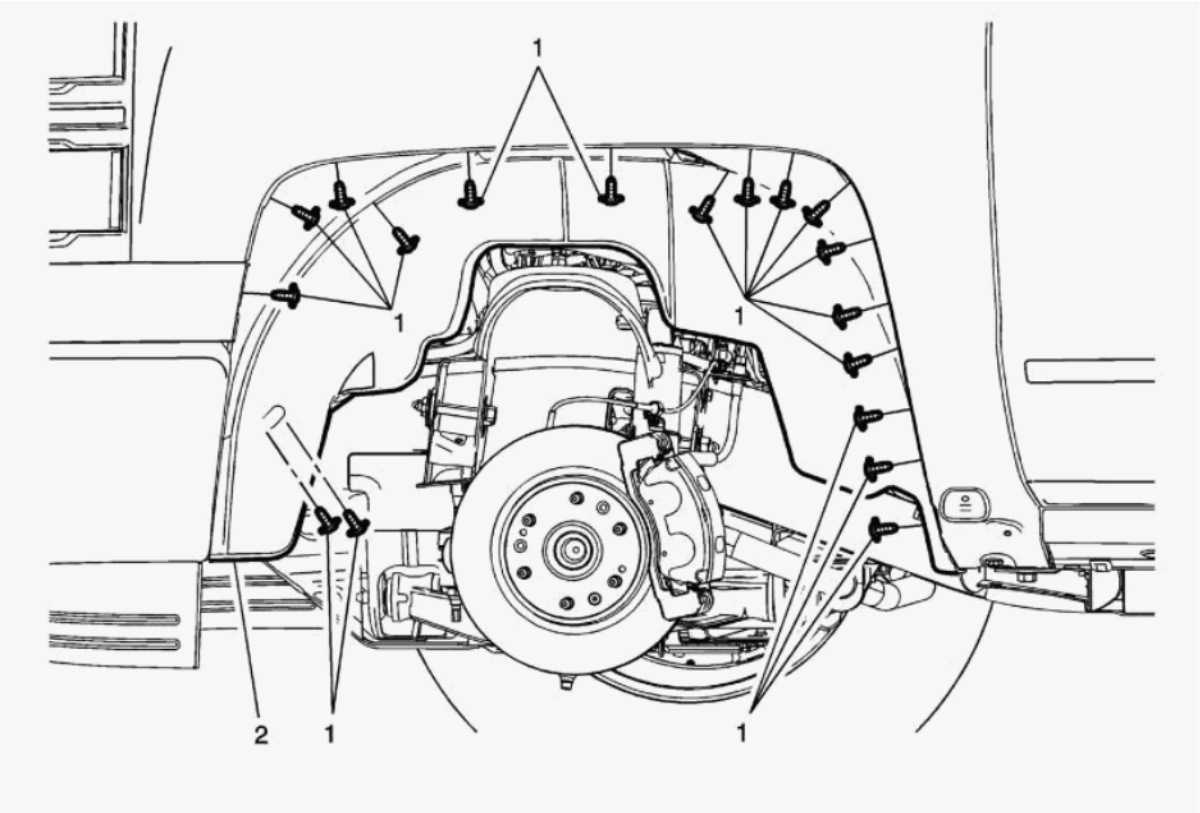


Fig. 143: Front Wheelhouse Liner - Left Side (Chevrolet)

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

33. Front Wheelhouse Liner-Left Side (2) - Install **Front Wheelhouse Liner Replacement - Left Side**

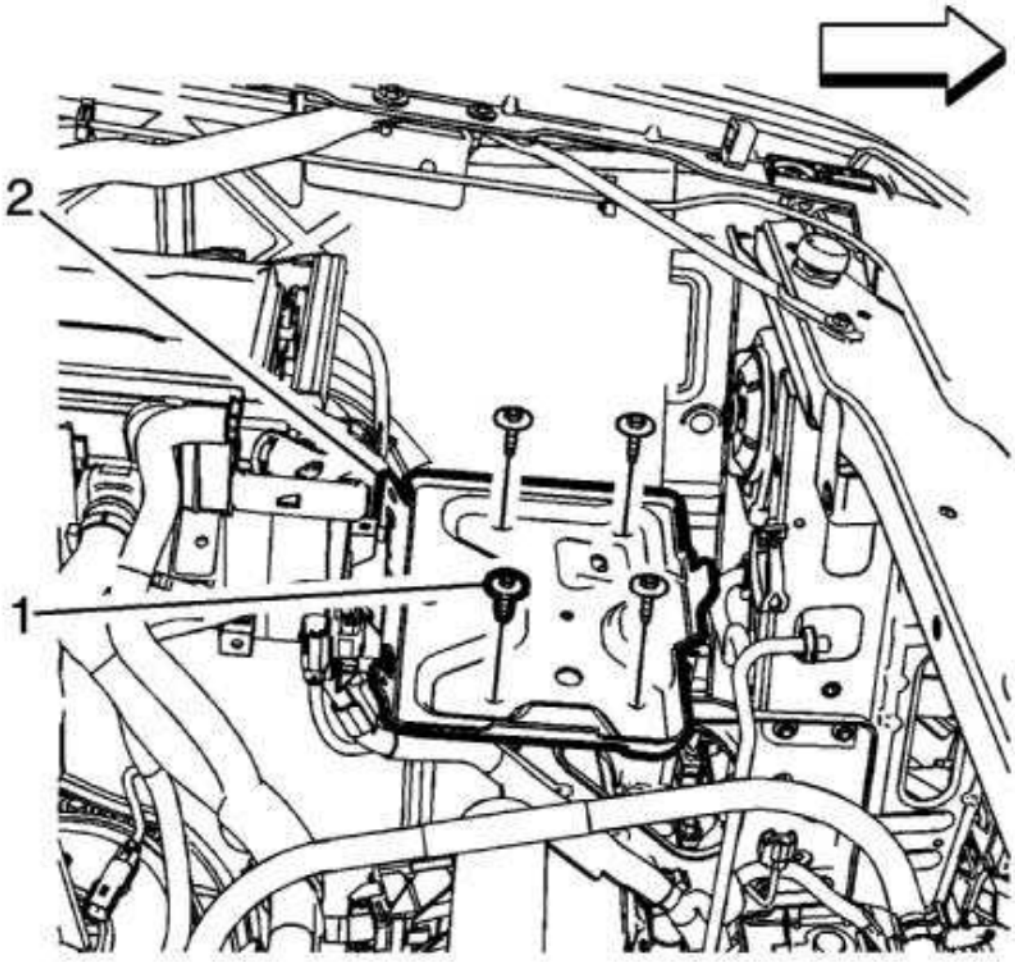


Fig. 144: Auxiliary Battery Tray And Fasteners
Courtesy of GENERAL MOTORS COMPANY

34. Auxiliary Battery Tray (2) - Install **Auxiliary Battery Tray Replacement**

cardiagn.com

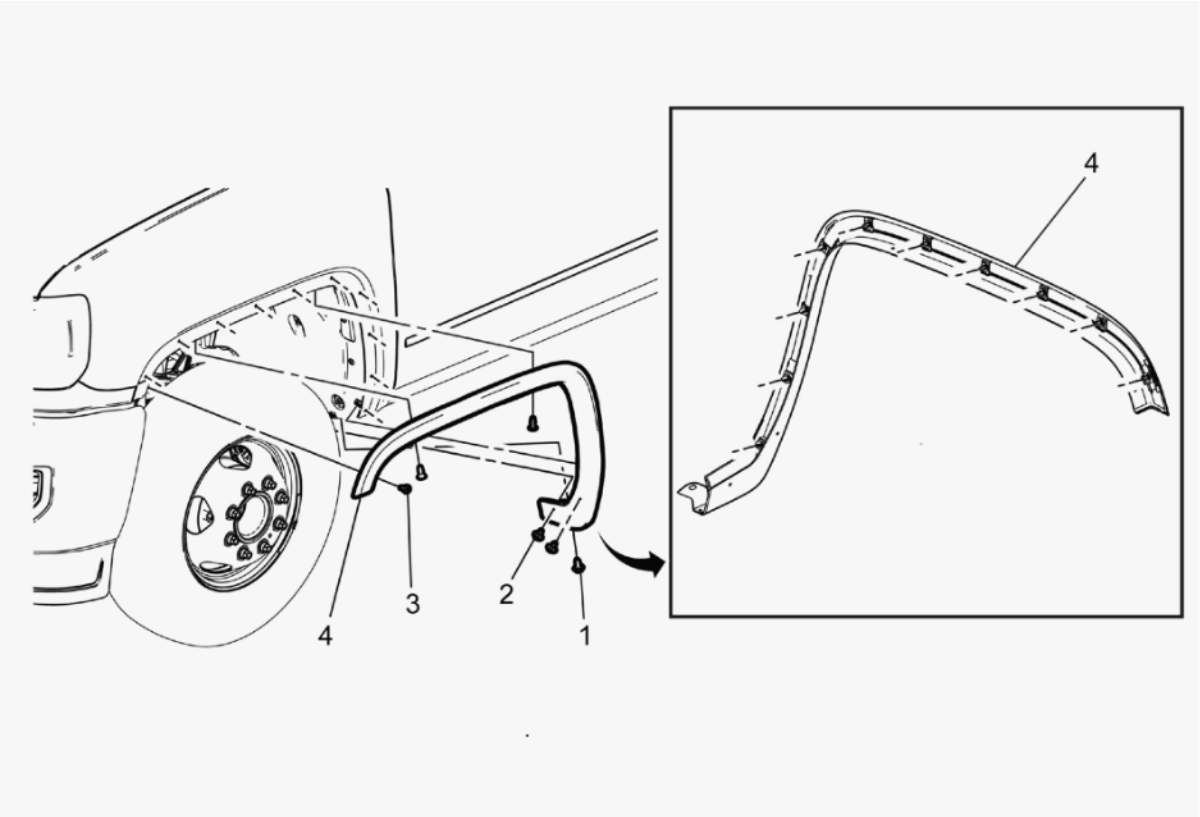


Fig. 145: Front Wheel Opening Molding
Courtesy of GENERAL MOTORS COMPANY

35. Front Wheel Opening Front Molding (4) - Install **Front Wheel Opening Molding Replacement**

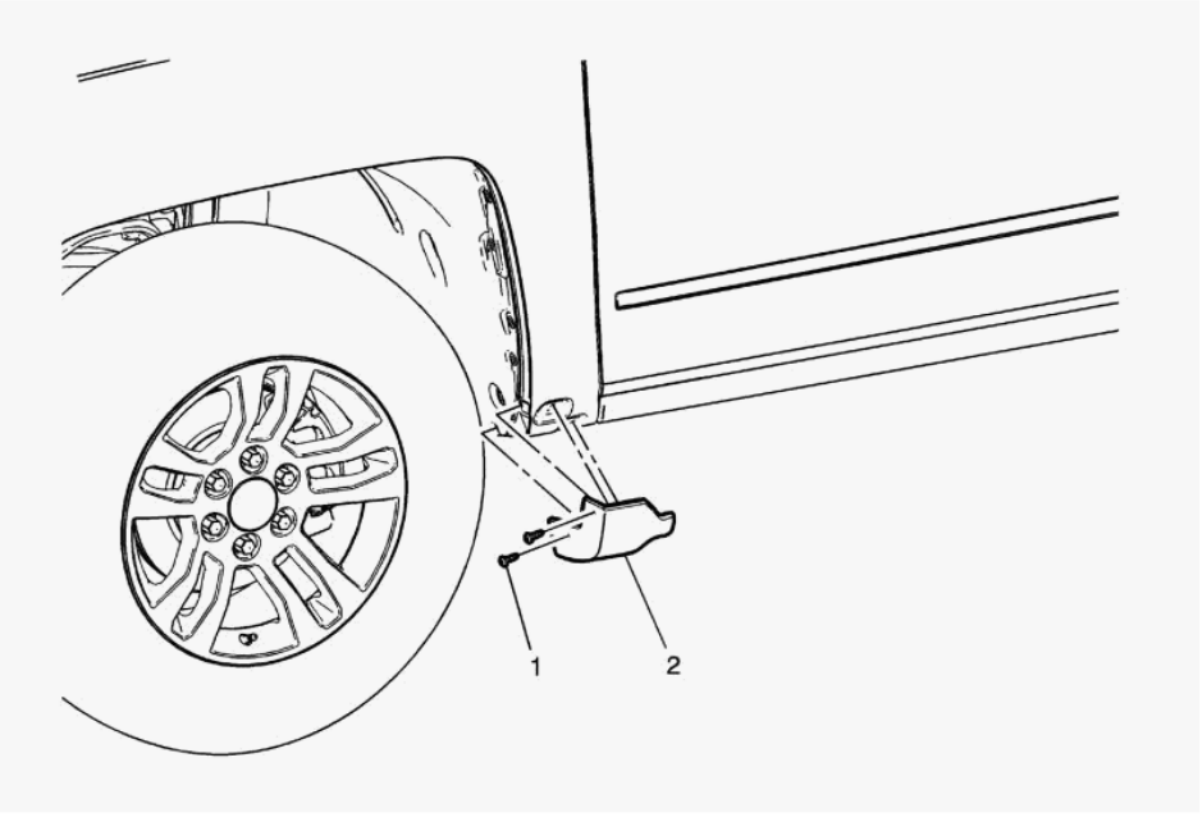


Fig. 146: Front Fender Paint Protector

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

36. Front Fender Paint Protector (2) - Install **Front Fender Paint Protector Replacement**

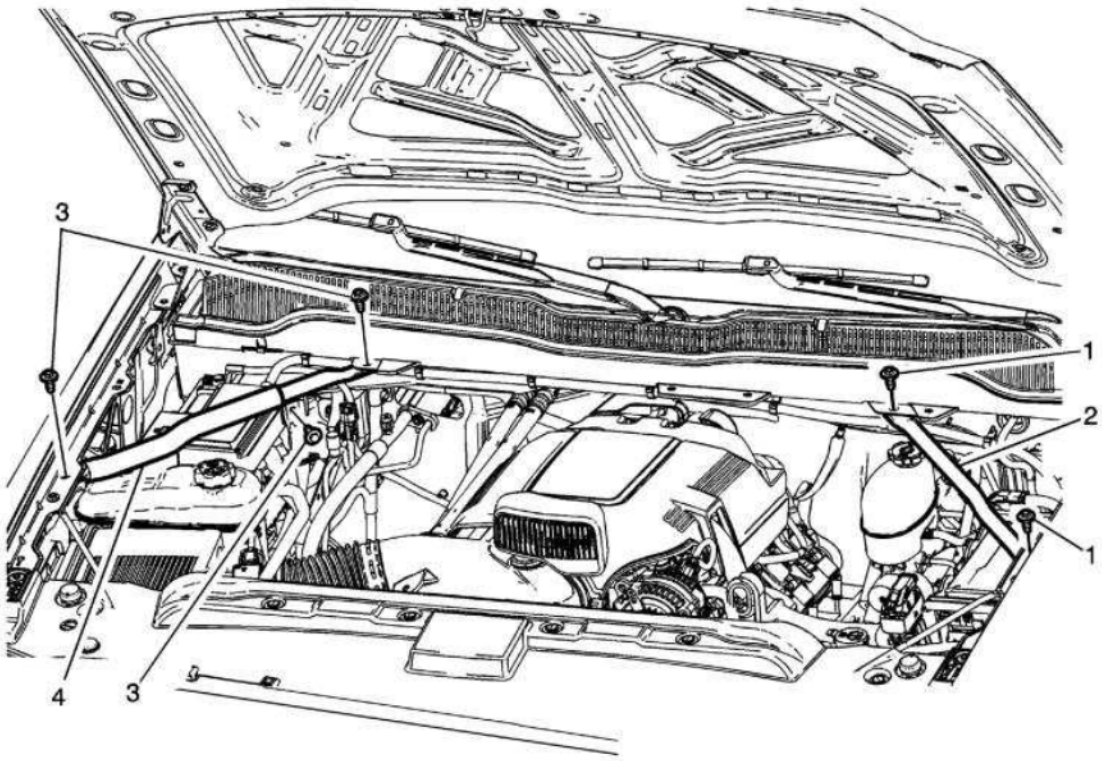


Fig. 147: Front Fender Rear Upper Brace
Courtesy of GENERAL MOTORS COMPANY

37. Front Fender Rear Upper Brace (4) - Install **Front Fender Rear Upper Brace Replacement (LV3, L96, LC8, lL83, L8B, L86)Front Fender Rear Upper Brace Replacement (L5P)**

cardiagn.com

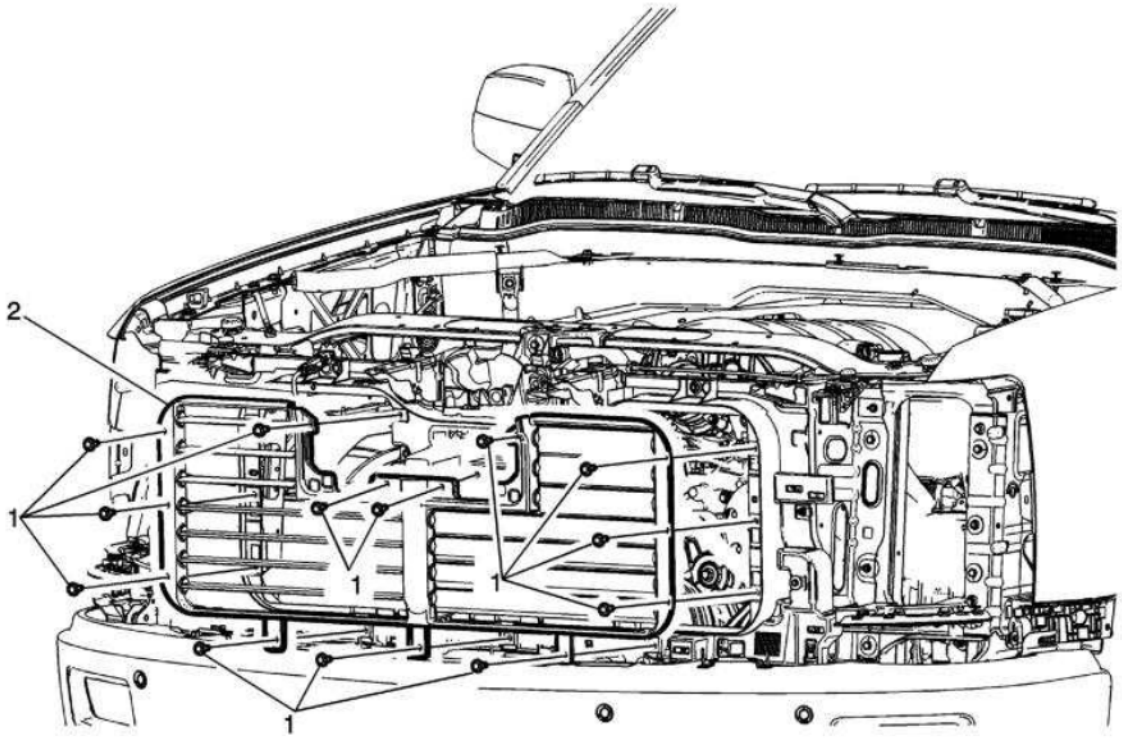


Fig. 148: Front Bumper Shutter
Courtesy of GENERAL MOTORS COMPANY

38. Front Bumper Shutter (2) - Install **Front Bumper Shutter Replacement**

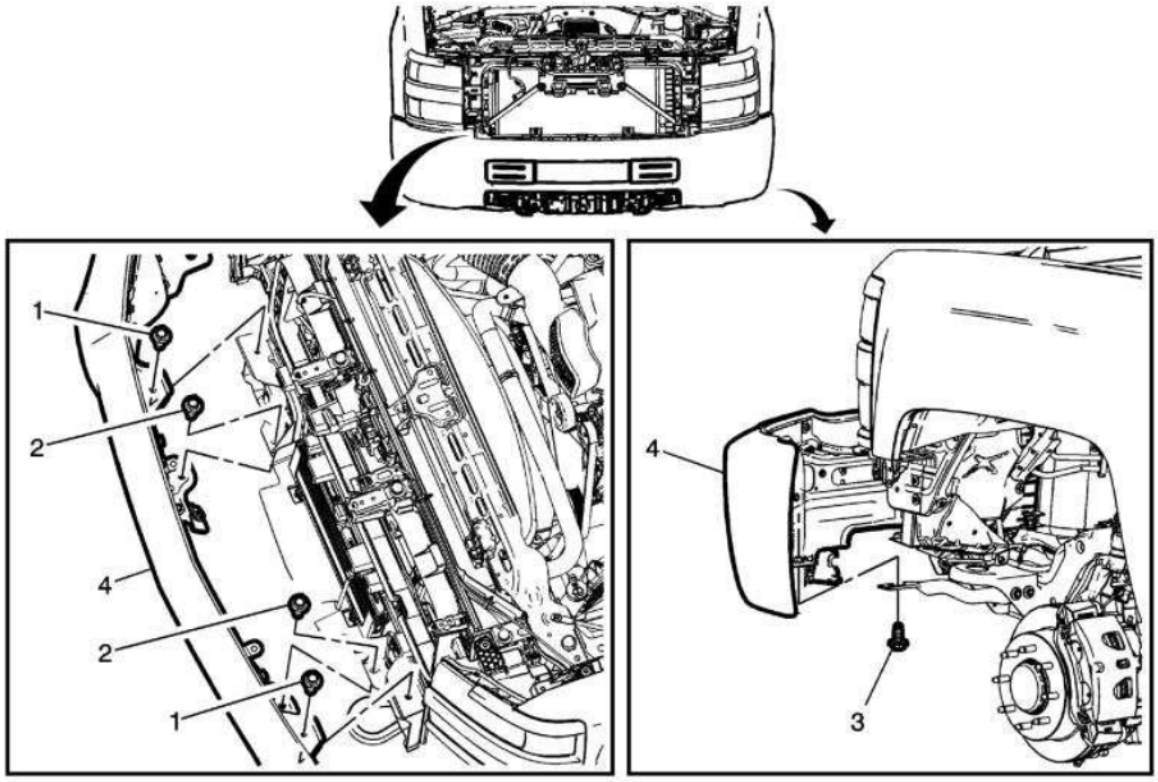


Fig. 149: Front Bumper Impact Bar (LML)

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

39. Front Bumper Impact Bar (4) - Install **Front Bumper Impact Bar Replacement (1500)** **Front Bumper Impact Bar Replacement (2500, 3500)**

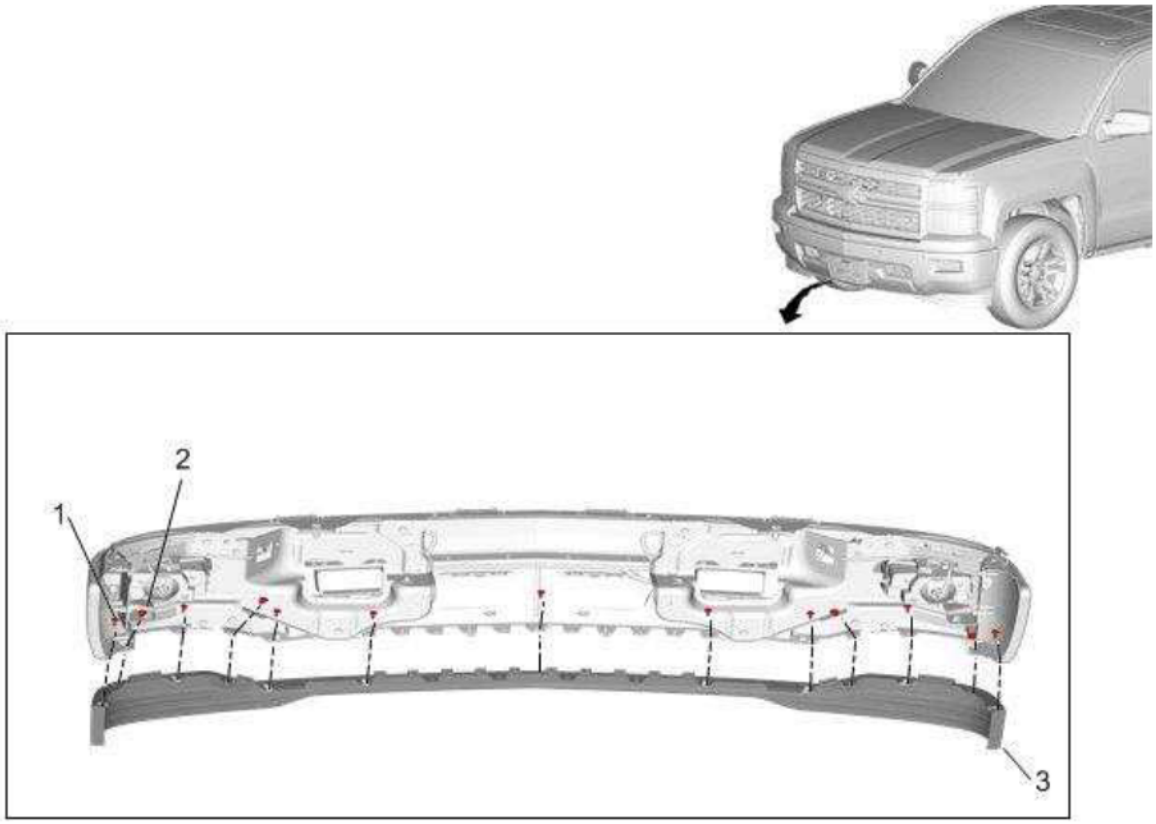


Fig. 150: Front Bumper Fascia Air Deflector (Chevrolet)
Courtesy of GENERAL MOTORS COMPANY

40. Front Bumper Fascia Air Deflector (3) - Install **Front Bumper Fascia Air Deflector Replacement (GMC)** **Front Bumper Fascia Air Deflector Replacement (Chevrolet 2500, 3500)** **Front Bumper Fascia Air Deflector Replacement (Chevrolet 1500)**

cardiagn.com

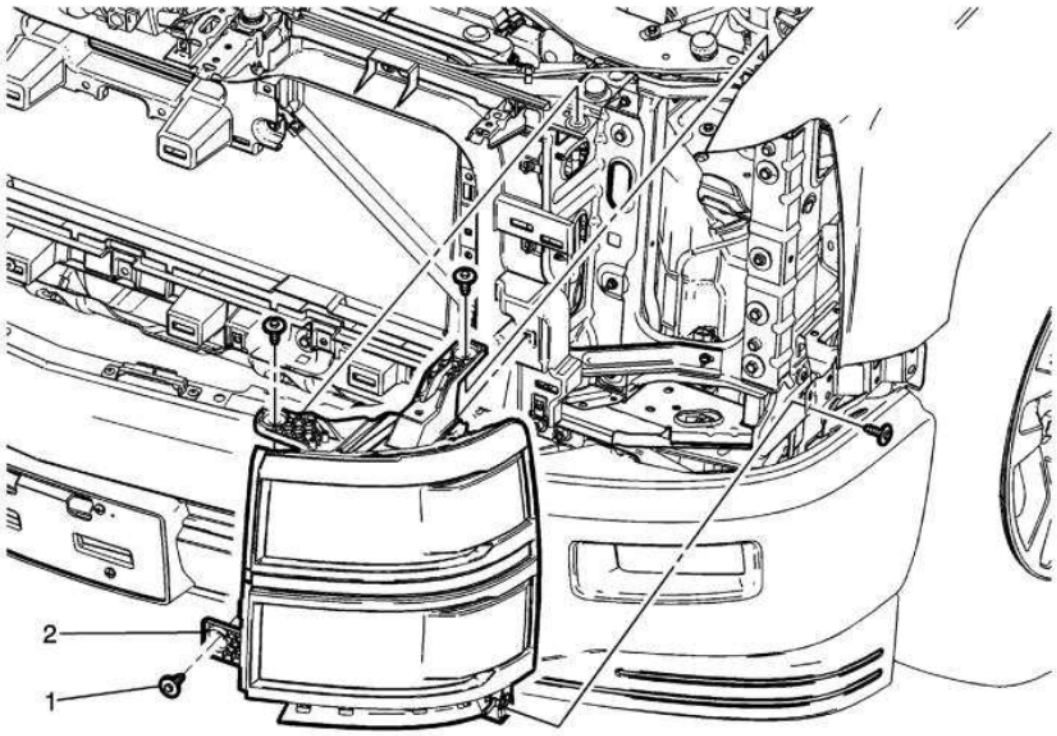
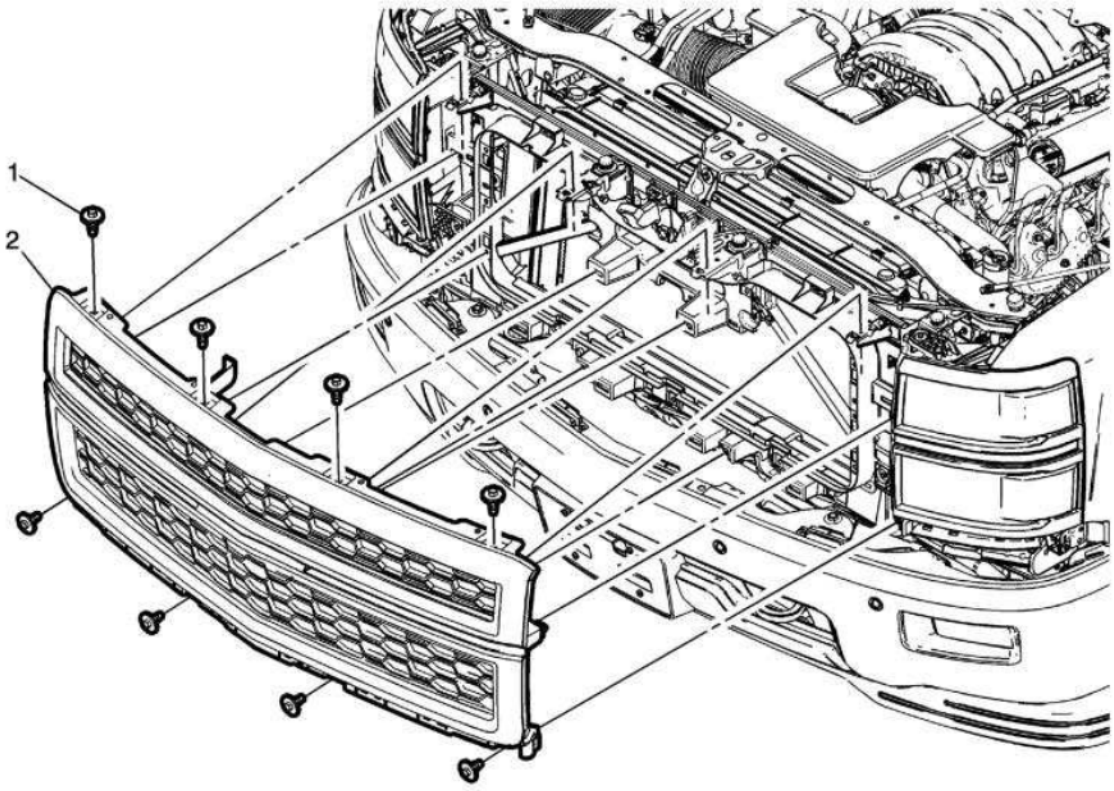


Fig. 151: Headlamp (Chevrolet)
Courtesy of GENERAL MOTORS COMPANY

41. Headlamp (2) - Install **Headlamp Replacement (GMC 1500)** **Headlamp Replacement (Chevrolet - Left Side)** **Headlamp Replacement (Chevrolet - Right Side)** **Headlamp Replacement (GMC 2500, 3500)**



cardiagn.com

Fig. 152: Front Grille (Chevrolet)
Courtesy of GENERAL MOTORS COMPANY

42. Front Grille (2) - Install **Front Grille Replacement (GMC)** **Front Grille Replacement (Chevrolet 2500 3500)** **Front Grille Replacement (GMC 2500 3500)** **Front Grille Replacement (Chevrolet)**

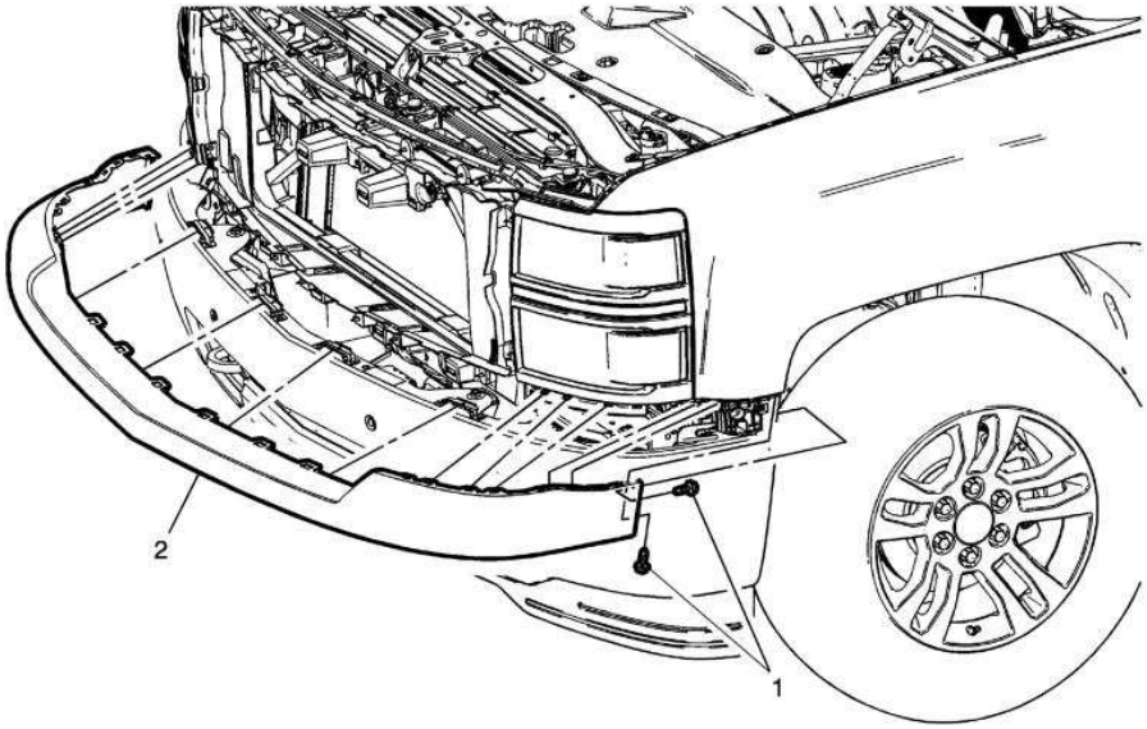


Fig. 153: Front Bumper Fascia Trim Cap (Chevrolet)
Courtesy of GENERAL MOTORS COMPANY

43. Front Bumper Fascia Trim Cap (2) - Install **Front Bumper Fascia Trim Cap Replacement (GMC)**

cardiagn.com

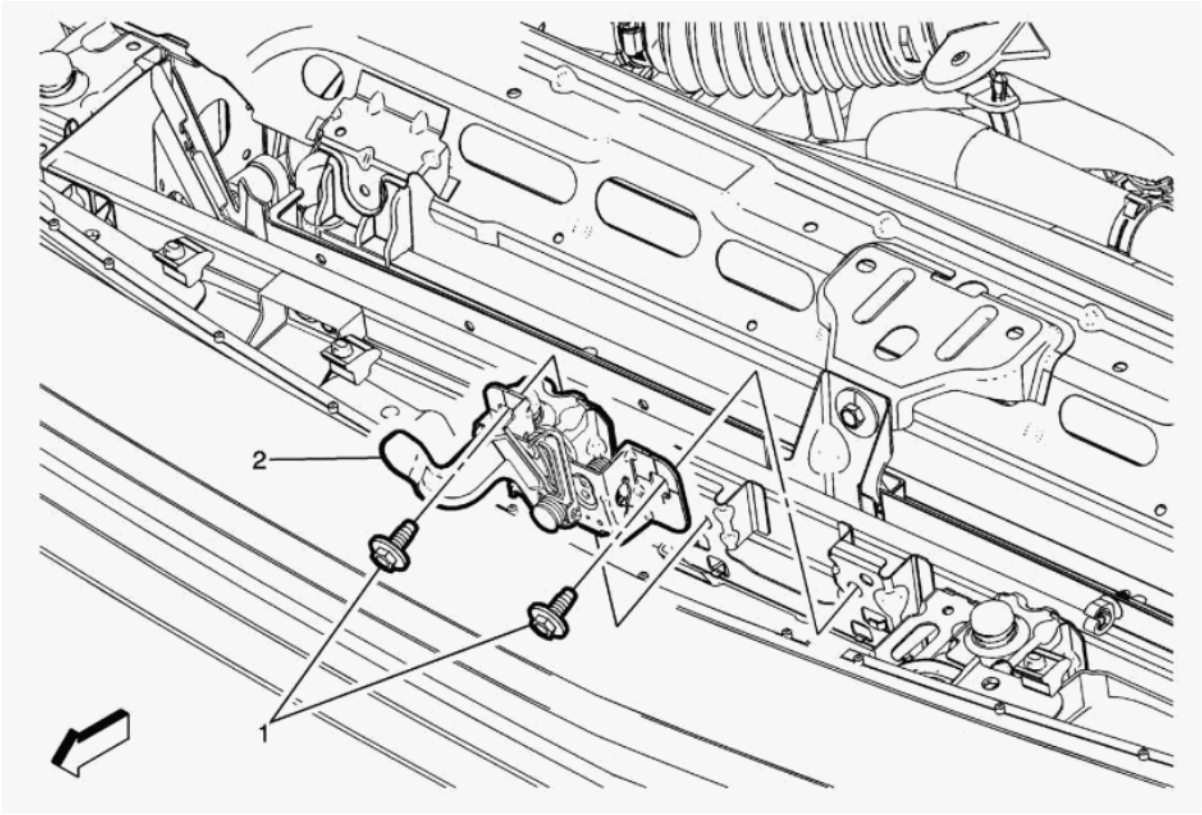


Fig. 154: Hood Primary and Secondary Latch
Courtesy of GENERAL MOTORS COMPANY

44. Hood Primary and Secondary Latch (2) - Install **Hood Primary and Secondary Latch Replacement**

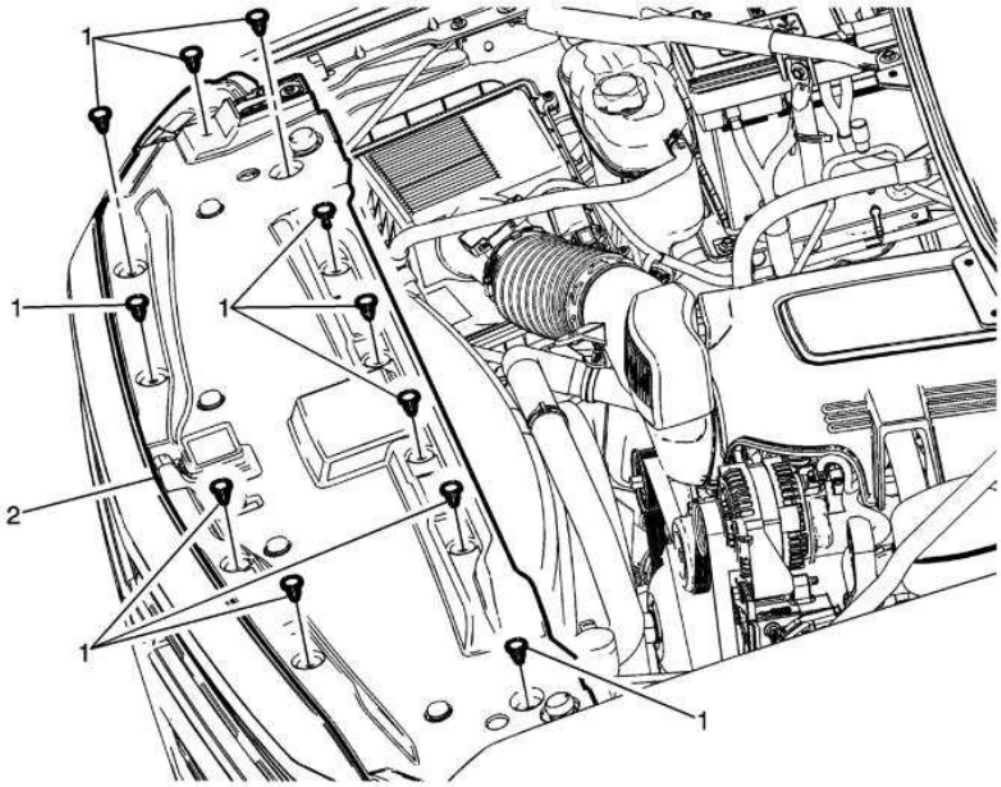


Fig. 155: Front Compartment Front Sight Shield

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

45. Front Compartment Front Sight Shield (2) - Install **Front Compartment Front Sight Shield Replacement**

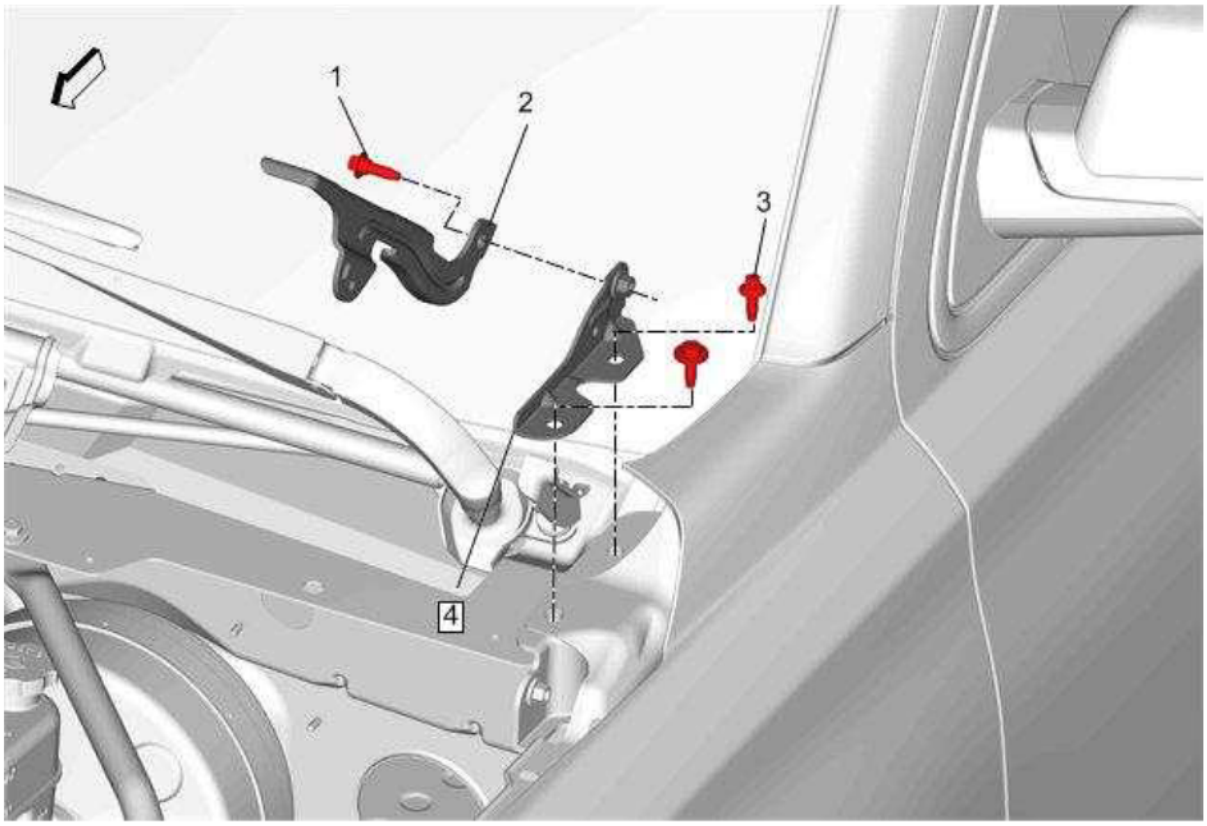


Fig. 156: Hood Hinge
Courtesy of GENERAL MOTORS COMPANY

46. Hood Hinge(4) - Install **Hood Hinge Replacement**

cardiagn.com

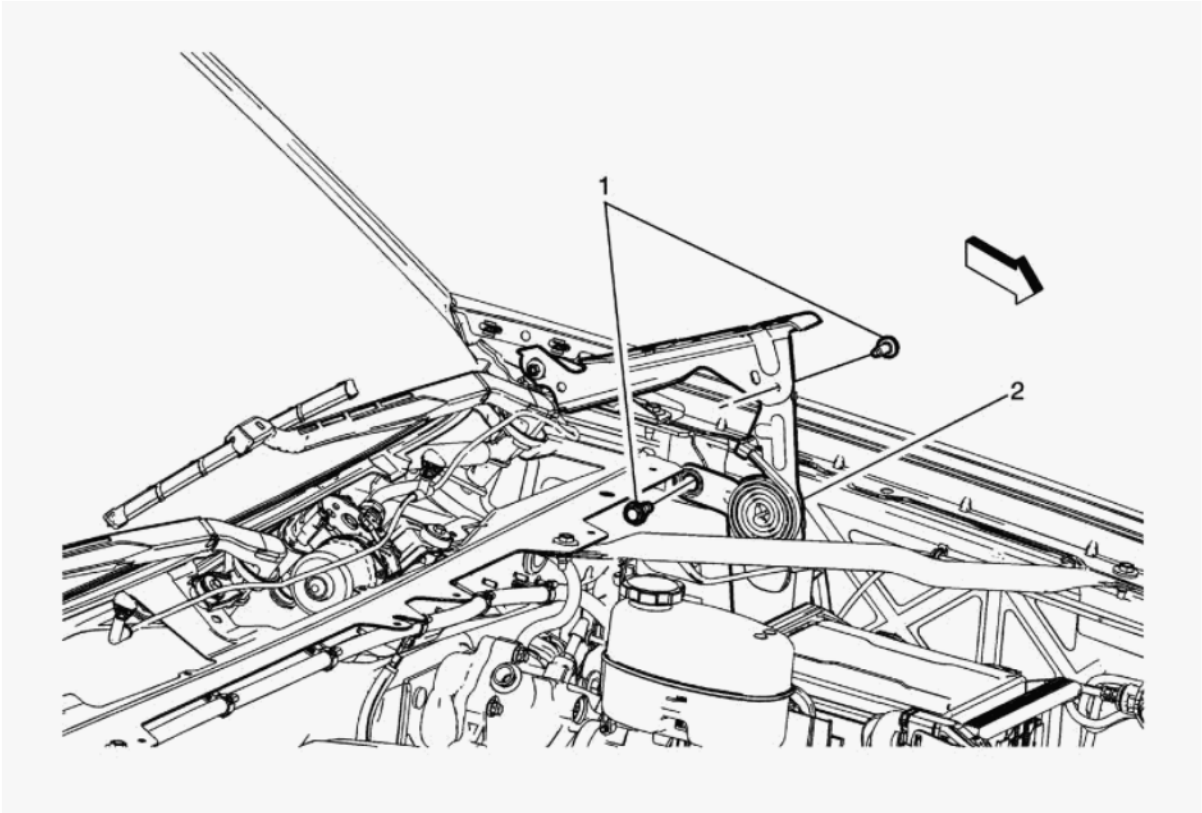


Fig. 157: Hood Open Assist Spring
Courtesy of GENERAL MOTORS COMPANY

47. Hood Open Assist Spring (2) - Install **Hood Open Assist Spring Replacement**

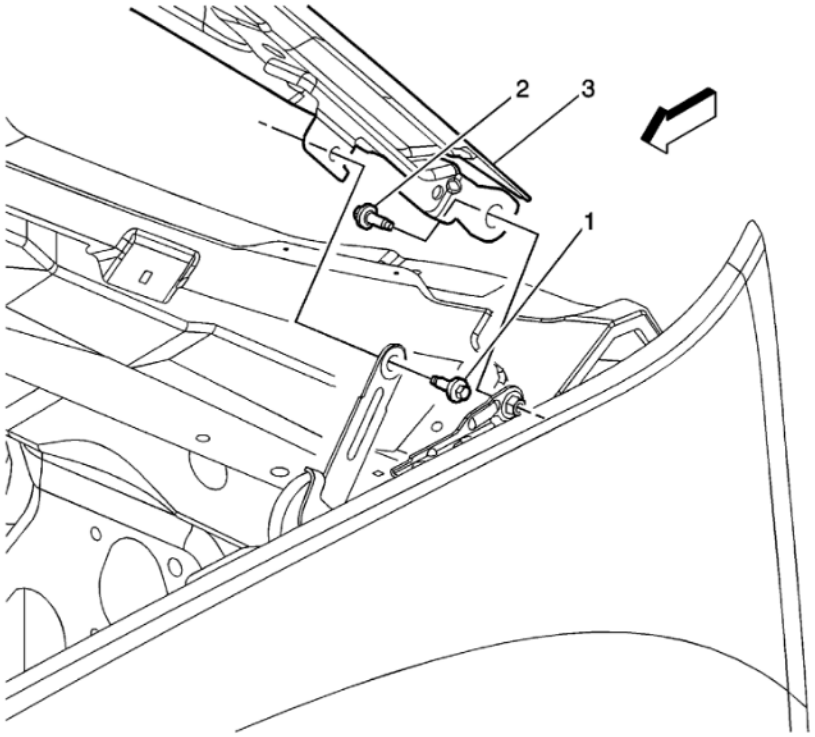


Fig. 158: View Of Hood & Bolts
Courtesy of GENERAL MOTORS COMPANY

cardiagn.com

48. Hood(3) - Install **Hood Replacement**

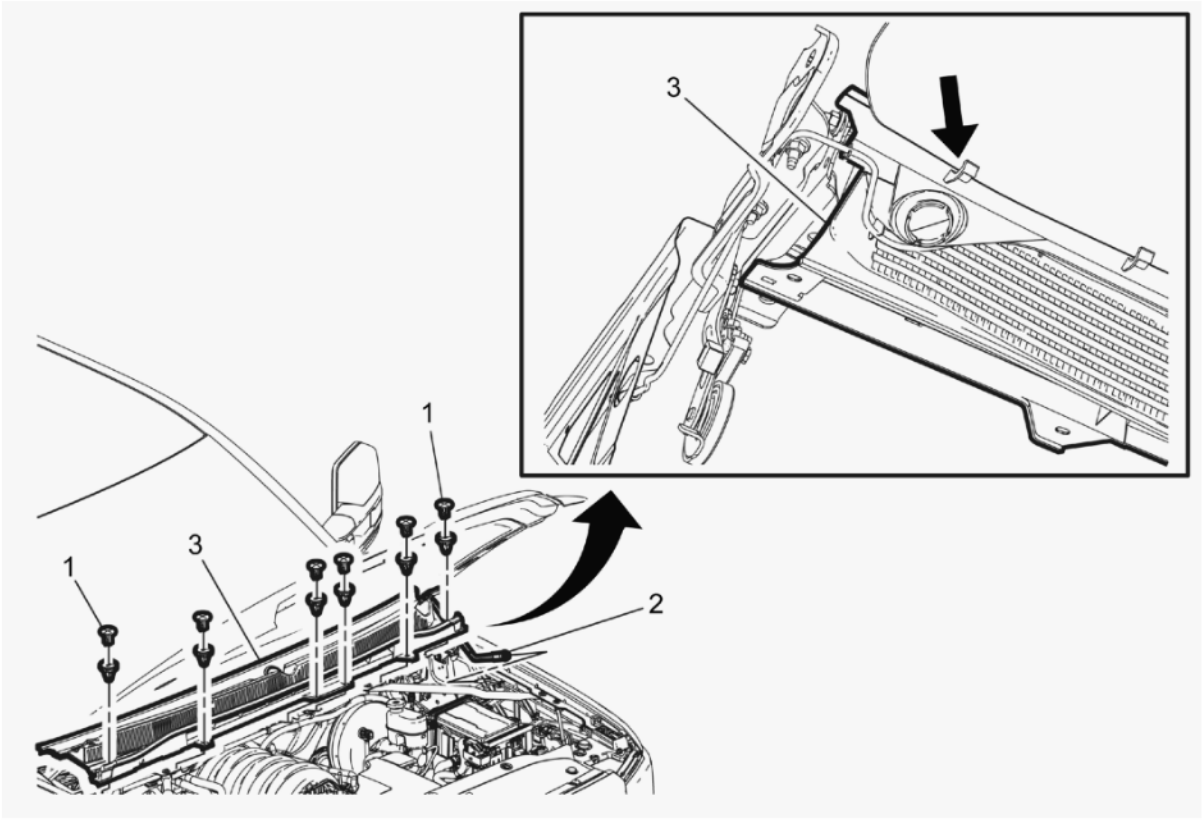


Fig. 159: Air Inlet Grille Panel (LD)
Courtesy of GENERAL MOTORS COMPANY

49. Air Inlet Grille Panel(3) - Install **Air Inlet Grille Panel Replacement (LD)** **Air Inlet Grille Panel Replacement (Diesel)** **Air Inlet Grille Panel Replacement (HD)**

cardiagn.com

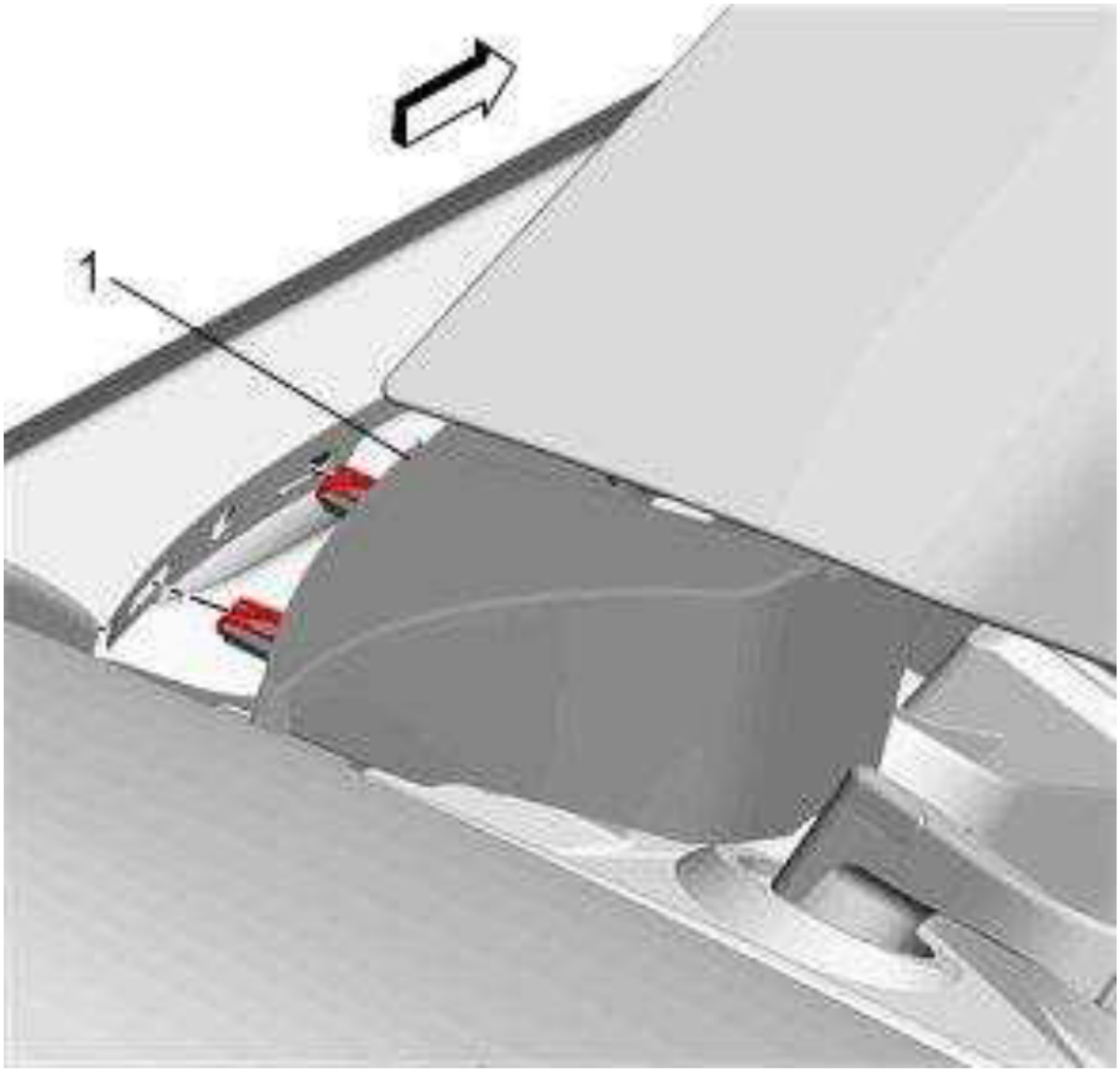


Fig. 160: Inlet Grille Panel Extension
Courtesy of GENERAL MOTORS COMPANY

50. Air Inlet Grille Panel Extension(1) - Install **Air Inlet Grille Panel Extension Replacement (Right Side)** **Air Inlet Grille Panel Extension Replacement (Left Side)**

cardiagn.com

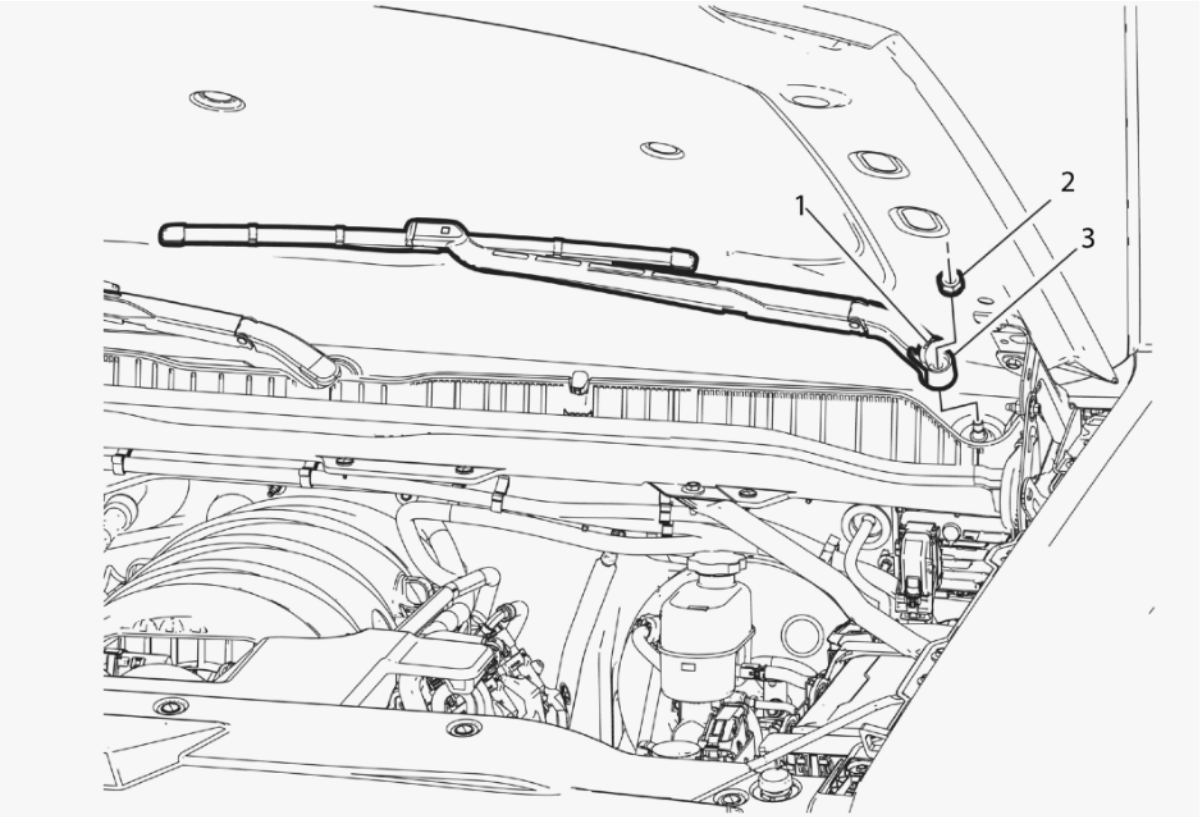


Fig. 161: Windshield Wiper Arm (LD)
Courtesy of GENERAL MOTORS COMPANY

51. Windshield Wiper Arm (3) - Install **Windshield Wiper Arm Replacement (LD)** **Windshield Wiper Arm Replacement (Diesel)** **Windshield Wiper Arm Replacement (HD)**
52. Install the front tire and wheel assembly. **Tire and Wheel Removal and Installation (6-Lug Wheel)** **Tire and Wheel Removal and Installation (8-Lug Wheel)** **Tire and Wheel Removal and Installation (Dual Rear Wheels)**
53. Lower the vehicle.
54. Connect the battery negative cable. **Battery Negative Cable Disconnection and Connection (L96 LC8)** **Battery Negative Cable Disconnection and Connection (L83, L8B, LV3)** **Battery Negative Cable Disconnection and Connection (Dual Battery)** **Battery Negative Cable Disconnection and Connection (L5P)**
55. Charge the refrigerant system. **Refrigerant Recovery and Recharging (R-134a)** **Refrigerant Recovery and Recharging (R-1234yf)**
56. Fill the cooling system. **Cooling System Draining and Filling (Static Fill LC8 L96)** **Cooling System Draining and Filling (Vac N Fill LC8 L96)** **Cooling System Draining and Filling (Vac N Fill L83 L86)** **Cooling System Draining and Filling (Static Fill L83 L86)** **Cooling System Draining and Filling (Static Fill LV3)** **Cooling System Draining and Filling (Vac N Fill LV3)** **Cooling System Draining and Filling (Vac N Fill L8B)** **Cooling System Draining and Filling (GE 47716 L5P)** **Cooling System Draining and Filling (Static L5P)**

ENDGATE WEATHERSTRIP REPLACEMENT

cardiagn.com

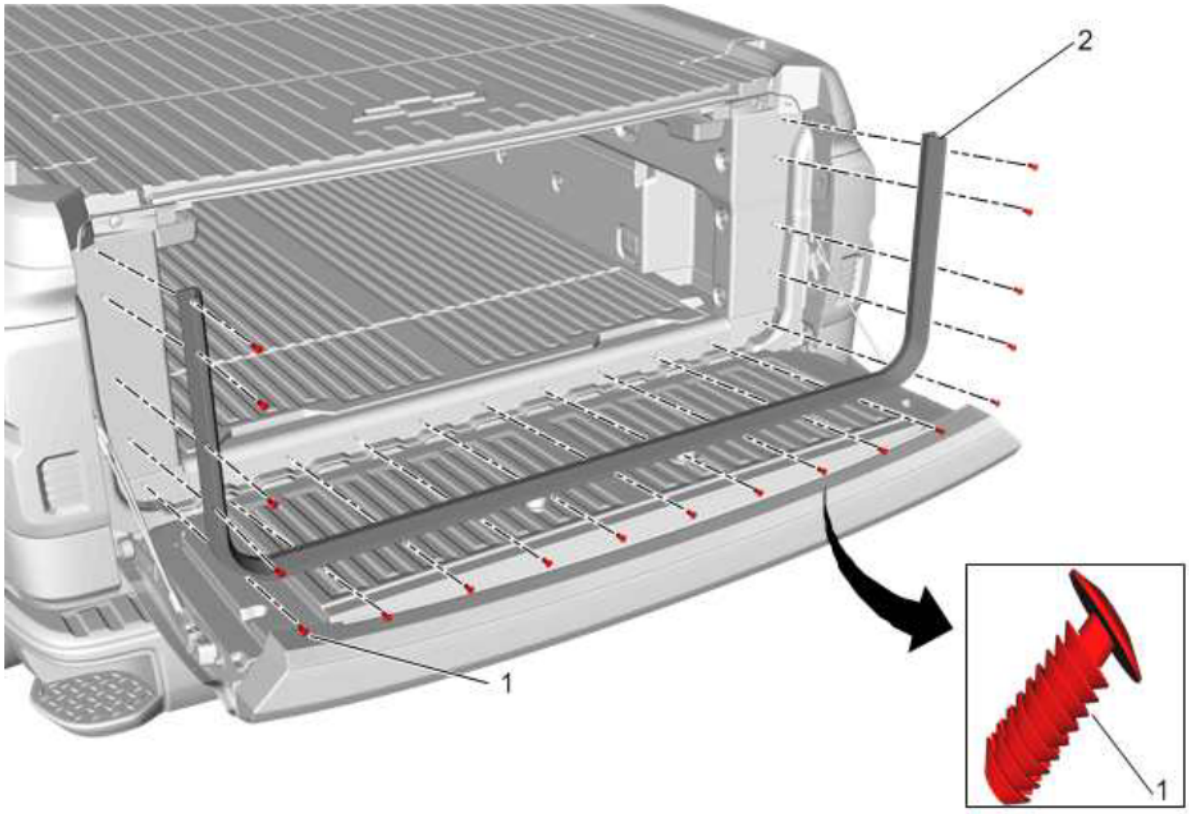


Fig. 162: Endgate Weatherstrip
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name	Â	Â
1	Endgate Weatherstrip Retainer **Procedure** Using a trim type tool, release the endgate weatherstrip retainers.	Â	Â
2	Endgate Weatherstrip	Â	Â

FRONT SIDE DOOR FRONT AUXILIARY WEATHERSTRIP REPLACEMENT

cardiagn.com

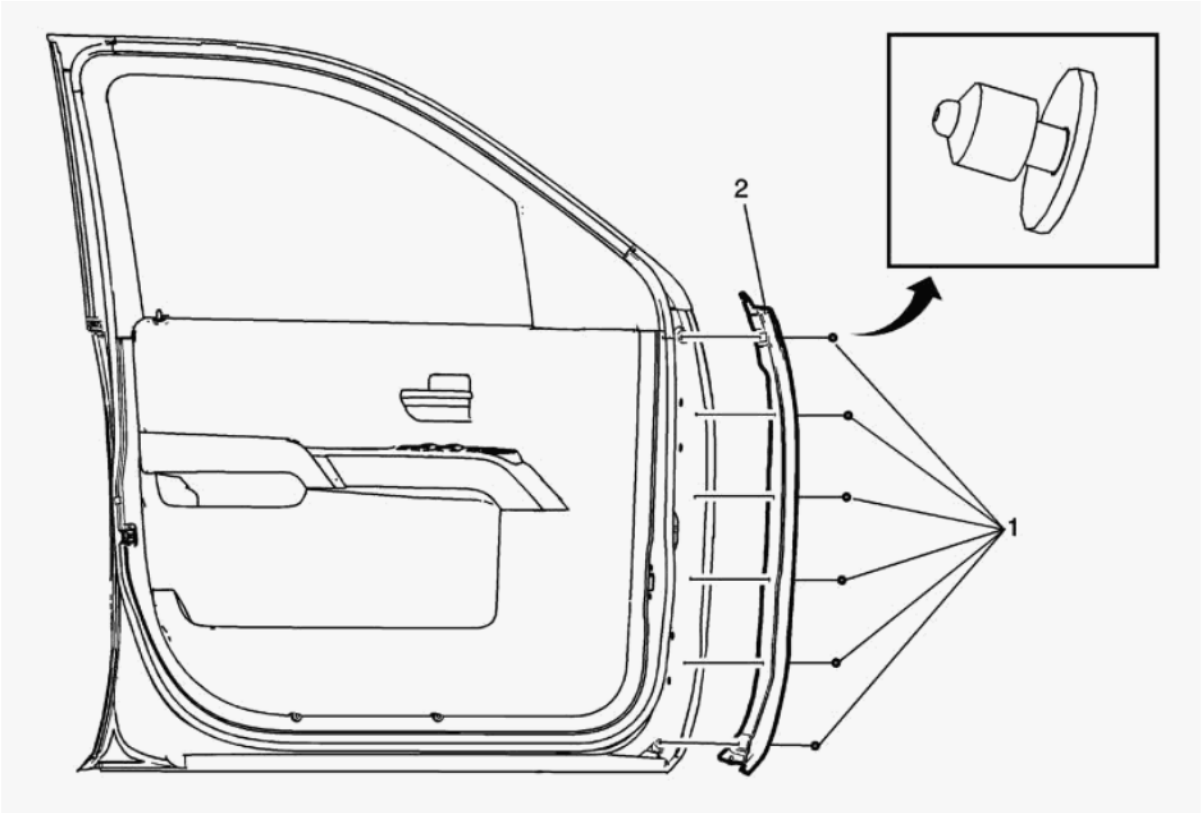


Fig. 163: Front Side Door Front Auxiliary Weatherstrip
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Remove front side door weatherstrip. Refer to **Front Side Door Weatherstrip Replacement - Door Side (Crew Cab, Extended Cab)Front Side Door Weatherstrip Replacement - Door Side (Regular Cab)**. 2. Remove front side door lower auxiliary weatherstrip. Refer to **Front Side Door Lower Auxiliary Weatherstrip Replacement**.	
1	Front Side Door Front Auxiliary Weatherstrip Retainer (Qty: 6) **Procedure** Using a suitable tool, remove the front side door front auxiliary weatherstrip retainers.
2	Front Side Door Front Auxiliary Weatherstrip **NOTE:** **Inspect the door to ensure a proper seal after the weatherstrip has been replaced.**

FRONT SIDE DOOR WEATHERSTRIP REPLACEMENT - DOOR SIDE (CREW CAB, EXTENDED

cardiagn.com

CAB)

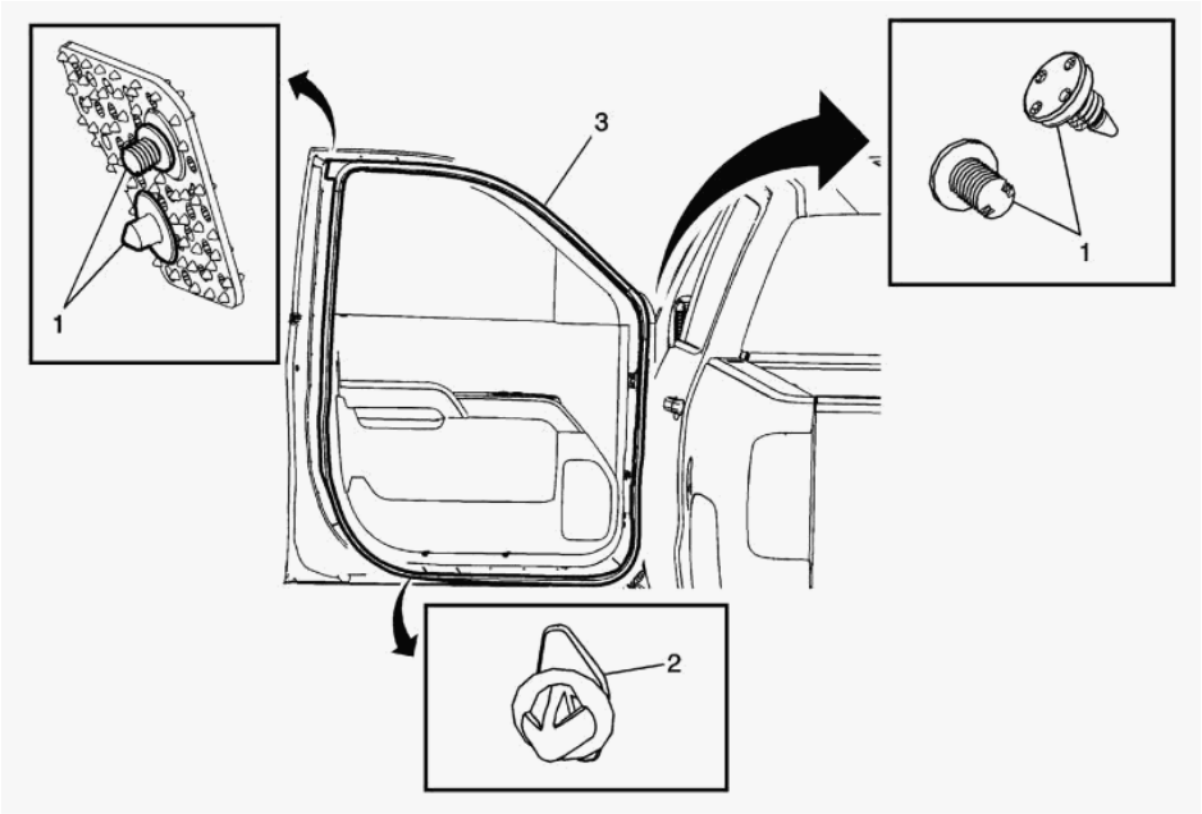


Fig. 164: Front Side Door Weatherstrip - Door Side (Crew Cab, Extended Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Side Door Weatherstrip Upper Clip (Qty:4) **Procedure** 1. Open the front side door to the full open position. 2. Remove the front side door window garnish molding. Refer to **Front Side Door Window Garnish Molding Replacement (Crew Cab, Extended Cab)**. 3. Remove the front side door check link bolt. Refer to **Front Side Door Check Link Replacement**. 4. Using the appropriate tool, remove the push-in clips from the upper corners of the door.
2	Front Side Door Weatherstrip Clip (Qty:36) **Procedure** 1. Using the appropriate tool, remove the push-in clips from around the door. 2. Pull the weatherstrip out of the door frame.
3	Front Side Door Weatherstrip **Procedure** Ensure that the weatherstrip is fully seated in the door frame.

cardiagn.com

Callout	Component Name
	NOTE: **Inspect the door to ensure a proper seal after the weatherstrip has been replaced.**

FRONT SIDE DOOR WEATHERSTRIP REPLACEMENT - DOOR SIDE (REGULAR CAB)

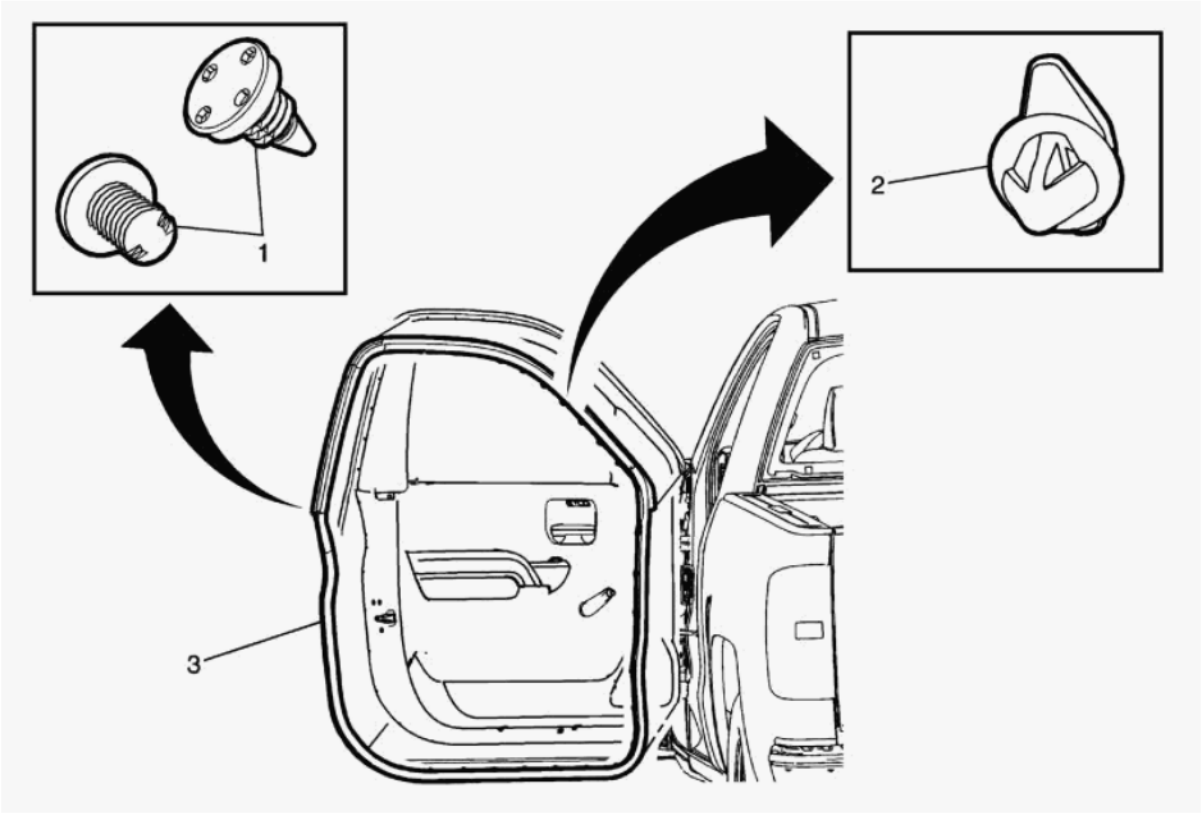


Fig. 165: Front Side Door Weatherstrip - Door Side (Regular Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Side Door Weatherstrip Upper Clip **Procedure** 1. Open the front side door to the full open position. 2. Remove the front side door window garnish molding. Refer to **Front Side Door Window Garnish Molding Replacement (Regular Cab)**. 3. Remove the front side door check link bolt. Refer to **Front Side Door Check Link Replacement**. 4. Using the appropriate tool, remove the push-in clips from the upper corners of the

cardiagn.com

Callout	Component Name
	door.
2	Front Side Door Weatherstrip Clip (Qty:42) **Procedure** 1. Using the appropriate tool, remove the push-in clips from around the door. 2. Pull the weatherstrip out of the door frame.
3	Front Side Door Weatherstrip **Procedure** Ensure that the weatherstrip is fully seated in the door frame. **NOTE:** **Inspect the door to ensure a proper seal after the weatherstrip has been replaced.**

FRONT SIDE DOOR WEATHERSTRIP REPLACEMENT - BODY SIDE (REGULAR CAB)

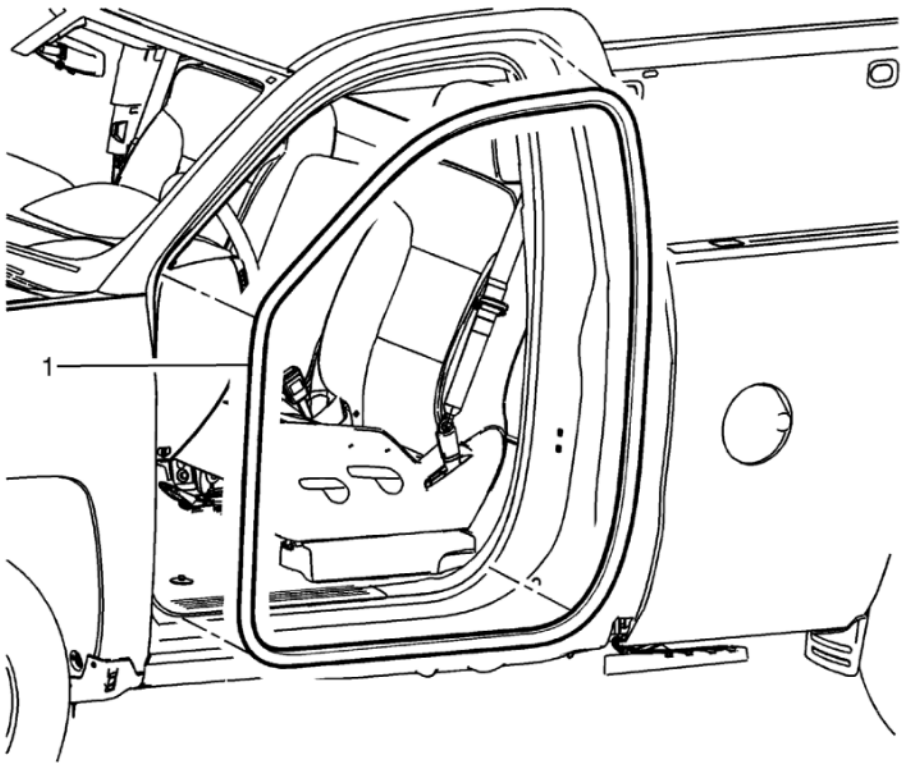


Fig. 166: Front Side Door Weatherstrip - Body Side (Regular Cab)
Courtesy of GENERAL MOTORS COMPANY

cardiagn.com

Callout	Component Name
Preliminary Procedures 1. Remove the front sill trim panel. Refer to **Front Side Door Sill Garnish Molding Replacement (Regular Cab)** . 2. Remove the body lock pillar garnish molding. Refer to **Body Lock Pillar Garnish Molding Replacement (Regular Cab)** .	
1	Front Side Door Weatherstrip to Body Side **Procedure** 1. Start at the rear upper corner of the door opening and pull the weatherstrip away from the door opening flange. 2. Position the weatherstrip in the upper corner of the center pillar. 3. Working downward along the front edge, install the weatherstrip on the door opening flange ensuring that the carrier is fully seated in the corners. 4. Ensure that the weatherstrip is seated on the entire door opening flange. **NOTE:** **Inspect the door to ensure a proper seal after the weatherstrip has been replaced.**

FRONT SIDE DOOR WEATHERSTRIP REPLACEMENT - BODY SIDE (EXTENDED CAB, CREW CAB)

cardiagn.com

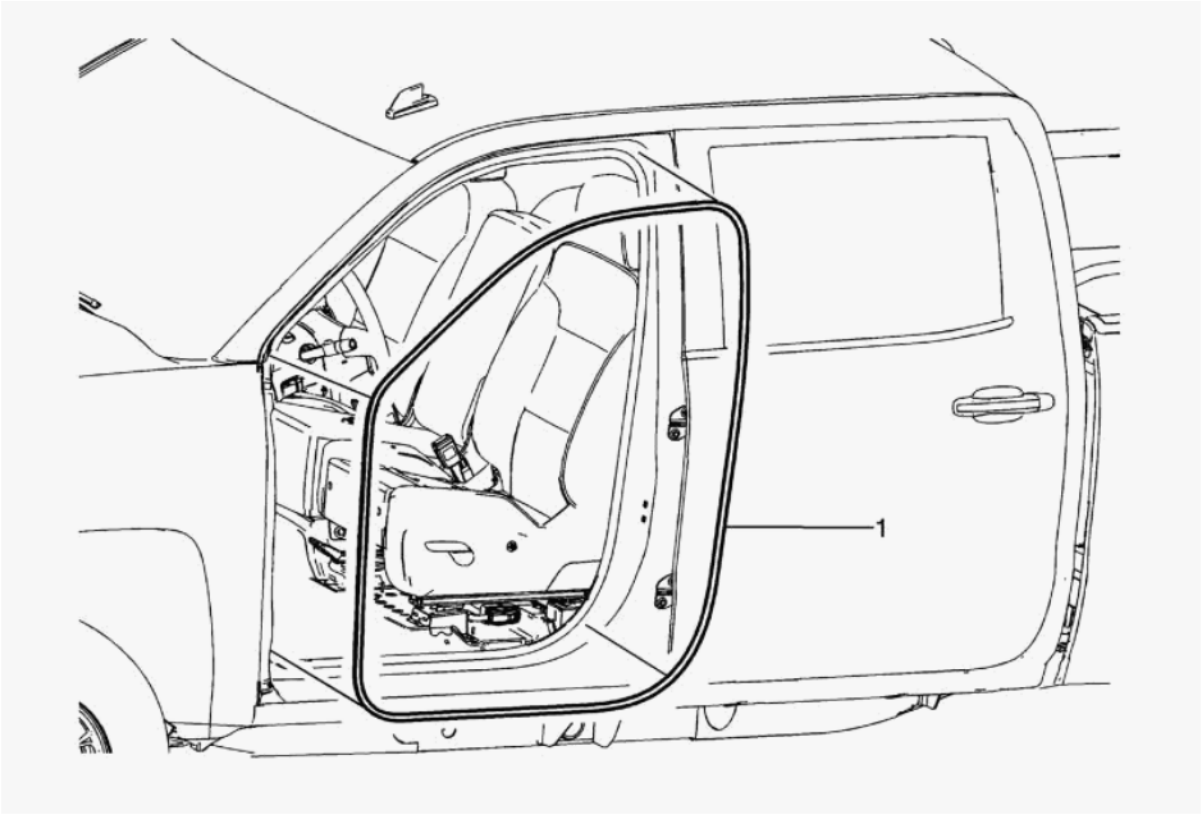


Fig. 167: Front Side Door Weatherstrip - Body Side (Crew Cab, Extended Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Remove the front sill trim panel. Refer to **Front Side Door Sill Garnish Molding Replacement (Crew Cab, Extended Cab)** . 2. Remove the center pillar lower trim panel. Refer to **Center Pillar Lower Trim Panel Replacement** .	
1	Front Side Door Weatherstrip to Body Side **Procedure** 1. Start at the rear upper corner of the door opening and pull the weatherstrip away from the door opening flange. 2. Position the weatherstrip in the upper corner of the center pillar. 3. Working downward along the front edge, install the weatherstrip on the door opening flange ensuring that the carrier is fully seated in the corners. 4. Ensure that the weatherstrip is seated on the entire door opening flange. **NOTE:** **Inspect the door to ensure a proper seal**

cardiagn.com

Callout	Component Name
	after the weatherstrip has been replaced.

FRONT SIDE DOOR LOWER AUXILIARY WEATHERSTRIP REPLACEMENT

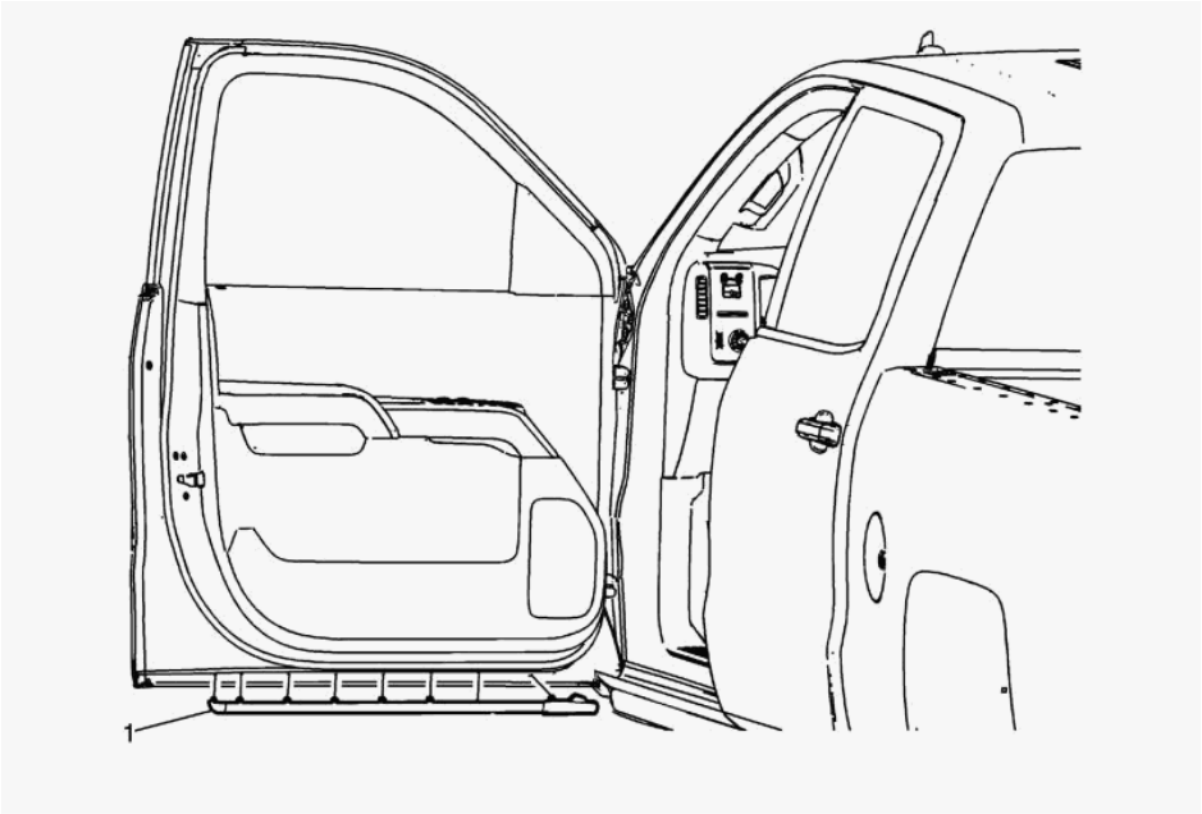


Fig. 168: Front Side Door Lower Auxiliary Weatherstrip
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Side Door Lower Auxiliary Weatherstrip **Procedure** 1. Open the front side door to full open position. 2. Unclip the front side door lower auxiliary weatherstrip from the front door. **NOTE:** **Inspect the door to ensure a proper seal after the weatherstrip has been**

cardiagn.com

Callout	Component Name
	replaced.

REAR SIDE DOOR WEATHERSTRIP REPLACEMENT - DOOR SIDE (CREW CAB)

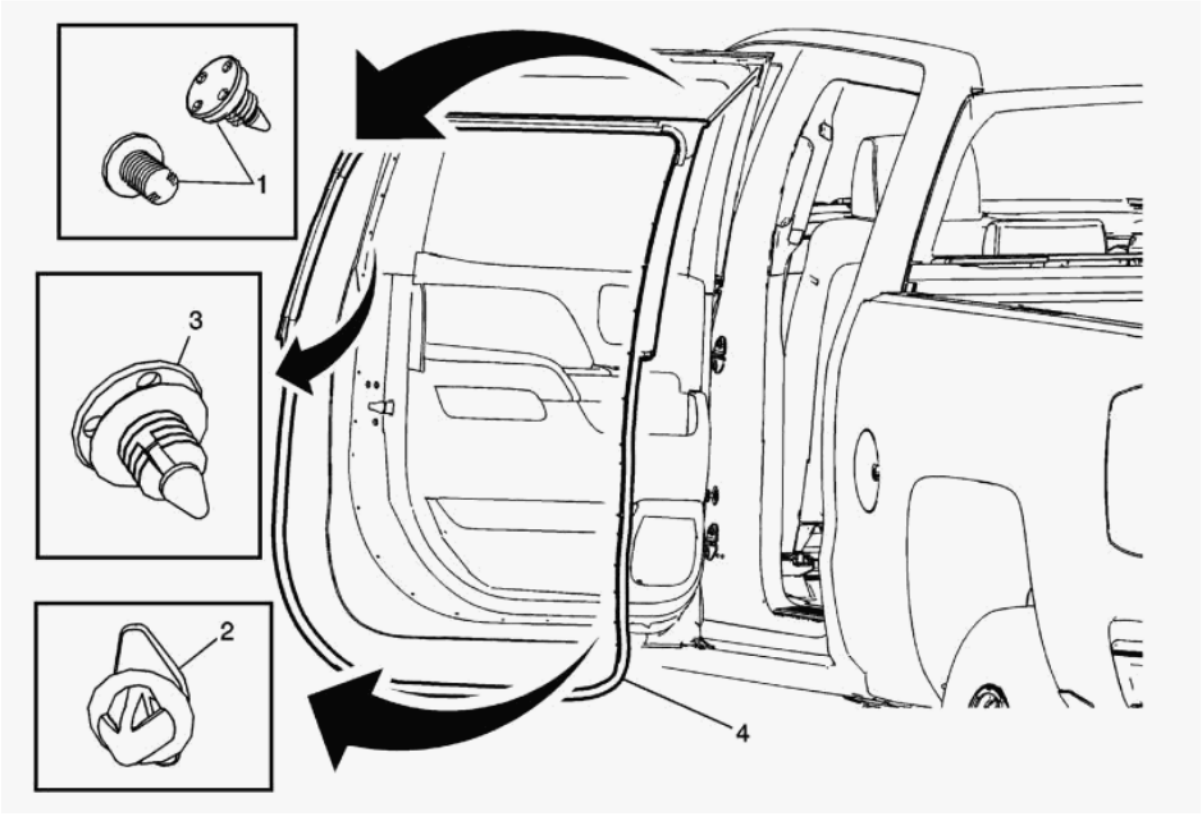


Fig. 169: Rear Side Door Weatherstrip - Door Side (Crew Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Rear Side Door Weatherstrip Upper Corner Clip (Qty:2) **Procedure** 1. Place the rear side door to the full open position. 2. Remove the rear side door window garnish molding. Refer to **Rear Side Door Window Garnish Molding Replacement (Crew Cab)**. 3. Remove the rear side door check link bolt. Refer to **Rear Side Door Check Link Replacement (Crew Cab)**. 4. Using the appropriate tool, remove the push-in clips from around the door.
2	Rear Side Door Weatherstrip Clip (Qty:39)
3	Rear Side Door Weatherstrip Clip
4	Rear Side Door Weatherstrip **Procedure** Ensure that the weatherstrip is fully seated in the door frame. **NOTE:**

cardiagn.com

Callout	Component Name
	Inspect the door to ensure a proper seal after the weatherstrip has been replaced.

REAR SIDE DOOR WEATHERSTRIP REPLACEMENT - DOOR SIDE (EXTENDED CAB)

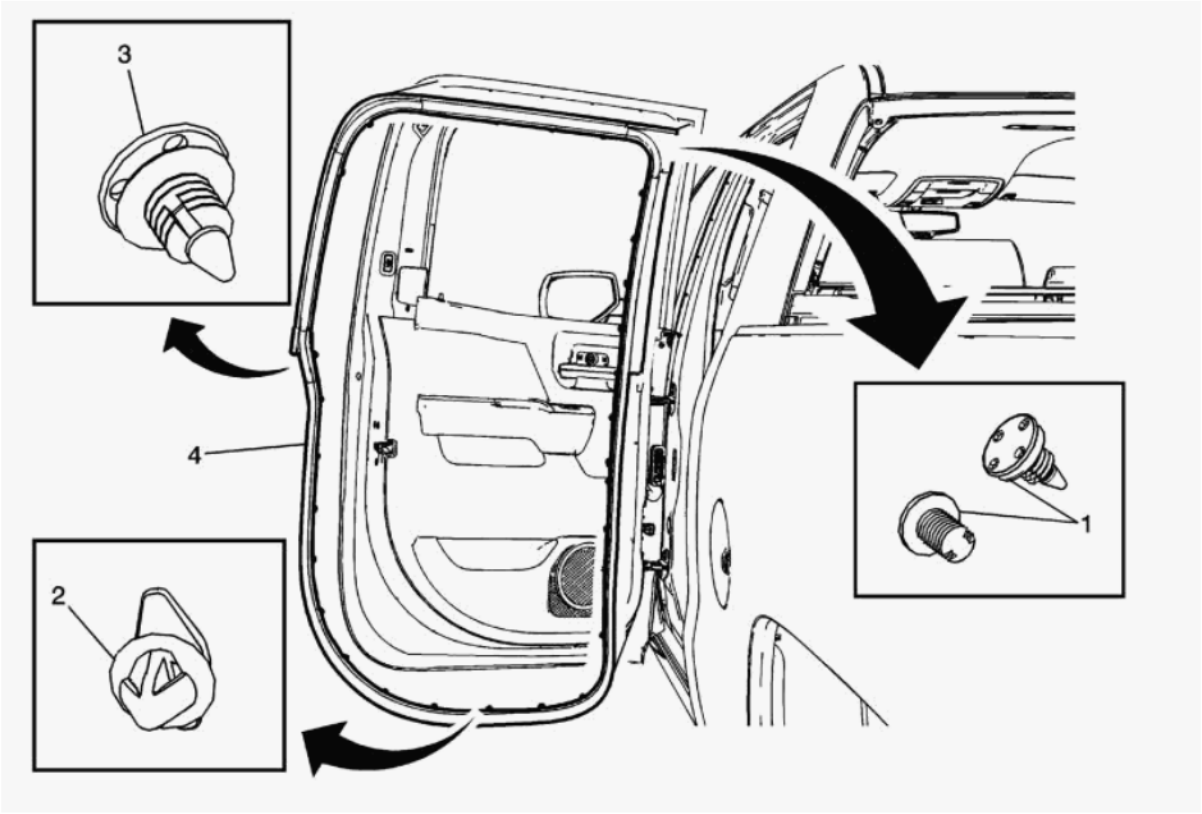


Fig. 170: Rear Side Door Weatherstrip - Door Side (Extended Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Place the rear side door to the full open position. 2. Remove the rear side door window garnish molding. Refer to **Rear Side Door Window Garnish Molding Replacement (Extended Cab)**. 3. Remove the rear side door check link bolt. Refer to **Rear Side Door Check Link Replacement (Extended Cab)**.	
1	Rear Side Door Weatherstrip Upper Corner Clip (Qty:2) **Procedure** Using the appropriate tool, remove the push-in clips from the door.

cardiagn.com

Callout	Component Name
2	Rear Side Door Weatherstrip Clip (Qty:39) **Procedure** Using the appropriate tool, remove the push-in clips from around the door.
3	Rear Side Door Weatherstrip Clip
4	Rear Side Door Weatherstrip **Procedure** Ensure that the weatherstrip is fully seated in the door frame. **NOTE:** **Inspect the door to ensure a proper seal after the weatherstrip has been replaced.**

REAR SIDE DOOR WEATHERSTRIP REPLACEMENT - BODY SIDE (CREW CAB)

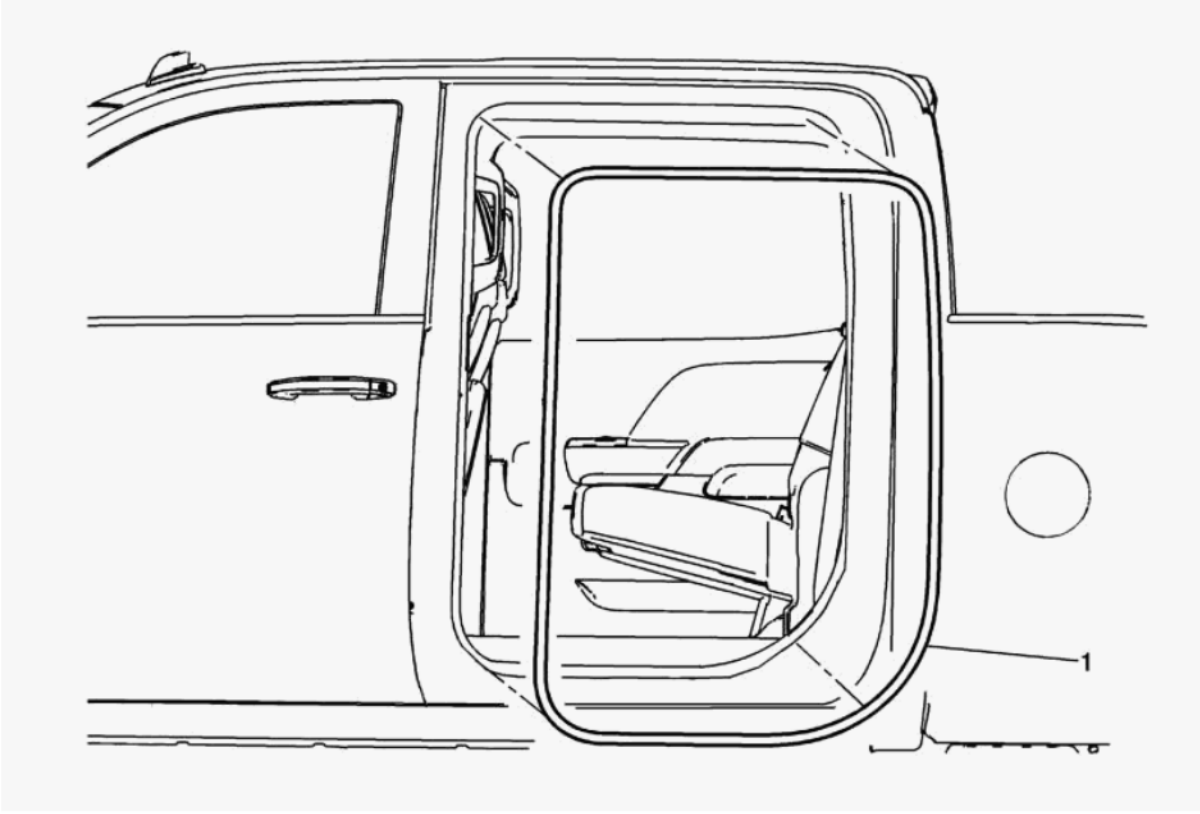


Fig. 171: Rear Side Door Weatherstrip - Body Side (Crew Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Remove the rear sill trim panel. Refer to **Rear Side Door Sill Garnish Molding Replacement (Crew**	

cardiagn.com

Callout	Component Name
Cab) .	
1	Rear Side Door Weatherstrip-Body Side **Procedure** 1. Start at the front upper corner of the door opening and pull the weatherstrip away from the door opening flange. 2. Position the weatherstrip in the upper corner of the center pillar. 3. Working downward along the front edge, install the weatherstrip on the door opening flange ensuring that the carrier is fully seated in the corners. 4. Using a rubber mallet, ensure that the weatherstrip is seated on the entire door opening flange. **NOTE:** **Inspect the door to ensure a proper seal after the weatherstrip has been replaced.**

REAR SIDE DOOR WEATHERSTRIP REPLACEMENT - BODY SIDE (EXTENDED CAB)

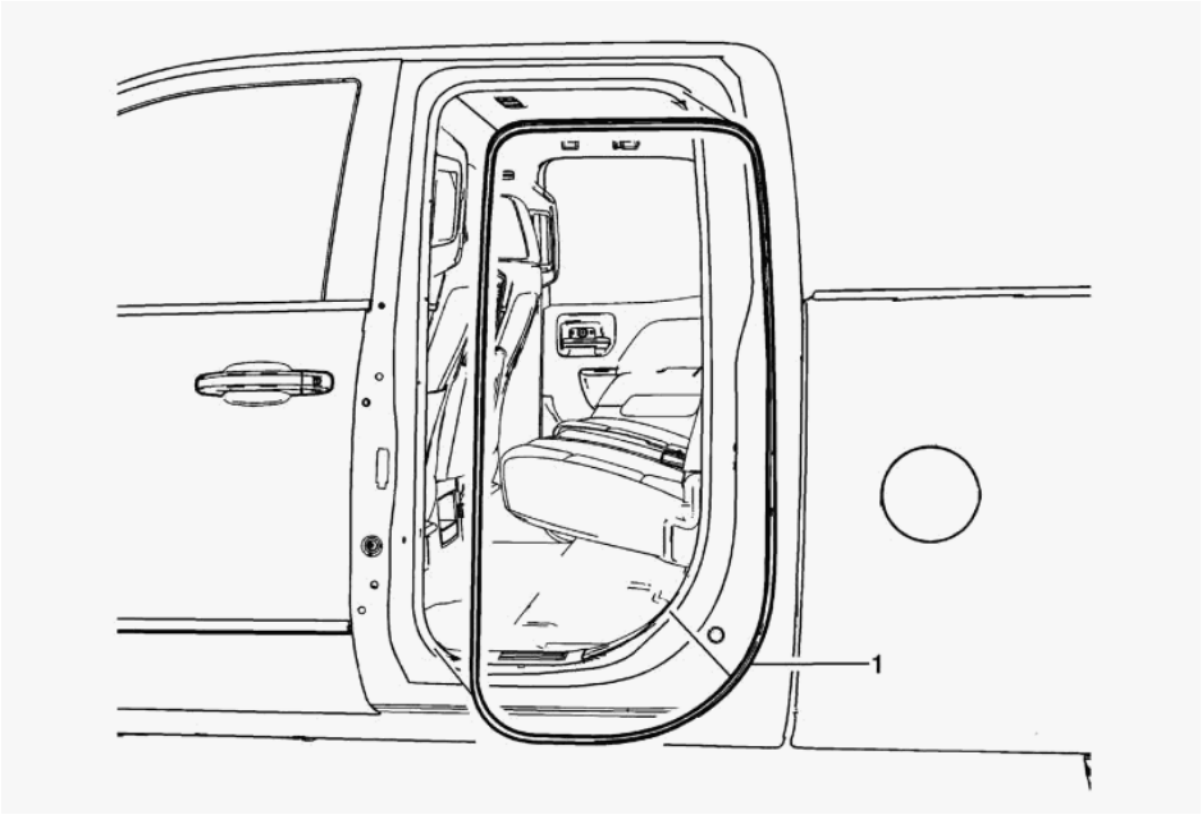


Fig. 172: Rear Side Door Weatherstrip - Body Side (Extended Cab)

cardiagn.com

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Remove the rear sill trim panel. Refer to **Rear Side Door Sill Garnish Molding Replacement (Extended Cab)** .	
1	Rear Side Door Weatherstrip-Body Side **Procedure** 1. Start at the front upper corner of the door opening and pull the weatherstrip away from the door opening flange. 2. Position the weatherstrip in the upper corner of the center pillar. 3. Working downward along the front edge, install the weatherstrip on the door opening flange ensuring that the carrier is fully seated in the corners. 4. Using a rubber mallet, ensure that the weatherstrip is seated on the entire door opening flange. **NOTE:** **Inspect the door to ensure a proper seal after the weatherstrip has been replaced.**

DESCRIPTION AND OPERATION

HOOD AJAR INDICATOR DESCRIPTION AND OPERATION

Hood Ajar Switch

The body control module (BCM) applies B+ to the hood ajar signal circuit and monitors the voltage to determine the position of the hood. When the hood is closed, the switch is open and voltage remains high. When the hood is open, the switch is closed and the voltage is pulled low.

The BCM uses the hood ajar switch as a content theft deterrent alarm trigger.

Hood Ajar Indicator/Message

When the hood is ajar, a message is displayed on the DIC or the hood ajar indicator will be illuminated.

Article GUID: A00854525

cardiagn.com