

2018 ACCESSORIES & EQUIPMENT

Bolted Exterior Body Panels And Closures - Equinox, Terrain

SPECIFICATIONS

FASTENER SPECIFICATIONS

Reusable Threaded Fastener Tightening Specifications

NOTE: <i>All fasteners listed in this table can be reused after removal.</i>	
Application	Specification
	Metric (English)
Body Side Hinge Bolt	32 N.m (24 lb ft)
Door Side Hinge Bolt	25 N.m (18 lb ft)
Front End Upper Tie Bar Bolt	9 N.m (80 lb in)
Front Fender Bolt	9 N.m (80 lb in)
Front Fender Nut	9 N.m (80 lb in)
Front Side Door Check Link Bolt	22 N.m (16 lb ft)
Front Side Door Check Link Nut	9 N.m (80 lb in)
Front Side Door Hinge Bolt - Body Side	32 N.m (24 lb ft)
Front Side Door Hinge Bolt - Door Side	25 N.m (18 lb ft)
Headlamp Bolt	2.5 N.m (22 lb in)
Hood Hinge Bolt	22 N.m (16 lb ft)
Hood Hinge Nut	22 N.m (16 lb ft)
Hood Primary Latch Bolt	13 N.m (115 lb in)
Hood Secondary Latch Release Cable Bolt	2.5 N.m (22 lb in)
Liftgate Adjust Bumper Bolt	6 N.m (53 lb in)
Liftgate Hinge Bolt	22 N.m (16 lb ft)
Liftgate Hinge Nut	58 N.m (43 lb ft)
Liftgate Strut Bracket Bolt	22 N.m (16 lb ft)
Radiator Upper Mount Bracket Bolt	14 N.m (124 lb in)
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 Hinge Bolt - Body Side	32 N.m (24 lb ft)
Rear Side Door Hinge Bolt - Door Side	25 N.m (18 lb ft)
Rear Side Door Lower Hinge Bolt	25 N.m (18 lb ft)
Rear Side Door Upper Hinge Bolt	25 N.m (18 lb ft)

SCHEMATIC WIRING DIAGRAMS

HOOD LATCH WIRING SCHEMATICS

Hood Ajar Switch

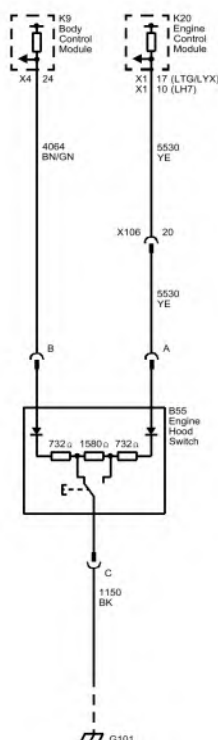


Fig. 1: Hood Ajar Switch

Courtesy of GENERAL MOTORS COMPANY

DIAGNOSTIC INFORMATION AND PROCEDURES

DTC B3006: HOOD AJAR CIRCUIT

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

- 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 Wiring Schematics

Connector End View Reference

COMPONENT CONNECTOR END VIEWS - INDEX

Description and Operation

Keyless Entry System Description and Operation (Without ATH). Keyless Entry System Description and Operation (With ATH).

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 below.
 - **Go to next step: 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 Engine Hood 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.
 - **Go to next step: 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.
 - **Go to next step: 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.
 - **Go to next step: 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 Engine Hood 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 Engine Hood Switch.
 - **Go to next step: 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 Engine Hood Switch.
 - **Go to next step: 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 Engine Hood Switch.
 - **Go to next step: 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 Engine Hood Switch.

- **Go to next step: 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 Engine Hood Switch.

- **Go to next step: 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 Engine Hood Switch.

- **Go to next step: 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 \(Equinox\)](#)[Hood Primary and Secondary Latch Replacement \(Terrain\)](#)
- [Control Module References](#) for body control module replacement, programming and setup.

DTC P257D, P257E, 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 P257D

Engine Hood Switch Performance

DTC P257E

Engine Hood Switch Circuit Low Voltage

DTC P257F

Engine Hood Switch Circuit High Voltage

Diagnostic Fault Information

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 5 V to the hood ajar signal 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

P257D

The engine control module detects a plausibility error between the observed hood ajar position and the reported hood ajar position.

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

Immobilizer Wiring 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](#)
- [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 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.

- **Go to next step: 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 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.

- **Go to next step: 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.

- **Go to next step: 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

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.

- **Go to next step: If DTC P257E is set as current**

7. Test or replace the B55 Engine Hood Switch.

Component Testing

1. Ignition OFF, disconnect the harness connector at the B55 Engine Hood 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 Engine Hood Switch.

- **Go to next step: 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 Engine Hood Switch.

- **Go to next step: 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 Engine Hood Switch.
 - **Go to next step: 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 Engine Hood Switch.
 - **Go to next step: 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 Engine Hood Switch.
 - **Go to next step: 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 Engine Hood Switch.
 - **Go to next step: 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 (Equinox)****Hood Primary and Secondary Latch Replacement (Terrain)**
- **Control Module References** for engine control 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](#) .

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.

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- 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.
 - **Go to next step: 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 Engine Hood 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.
 - **Go to next step: 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.
 - **Go to next step: 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.
 - **Go to next step: 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 Engine Hood 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 Engine Hood Switch.
 - **Go to next step: 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 Engine Hood Switch.
 - **Go to next step: 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 Engine Hood Switch.
 - **Go to next step: 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 Engine Hood Switch.
 - **Go to next step: 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 Engine Hood Switch.
 - **Go to next step: 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 Engine Hood Switch.

- Go to next step: 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 \(Equinox\)](#)[Hood Primary and Secondary Latch Replacement \(Terrain\)](#)
- [Control Module References](#) for body control module replacement, programming, and setup.

REPAIR INSTRUCTIONS

FRONT END UPPER TIE BAR REPLACEMENT (EQUINOX)

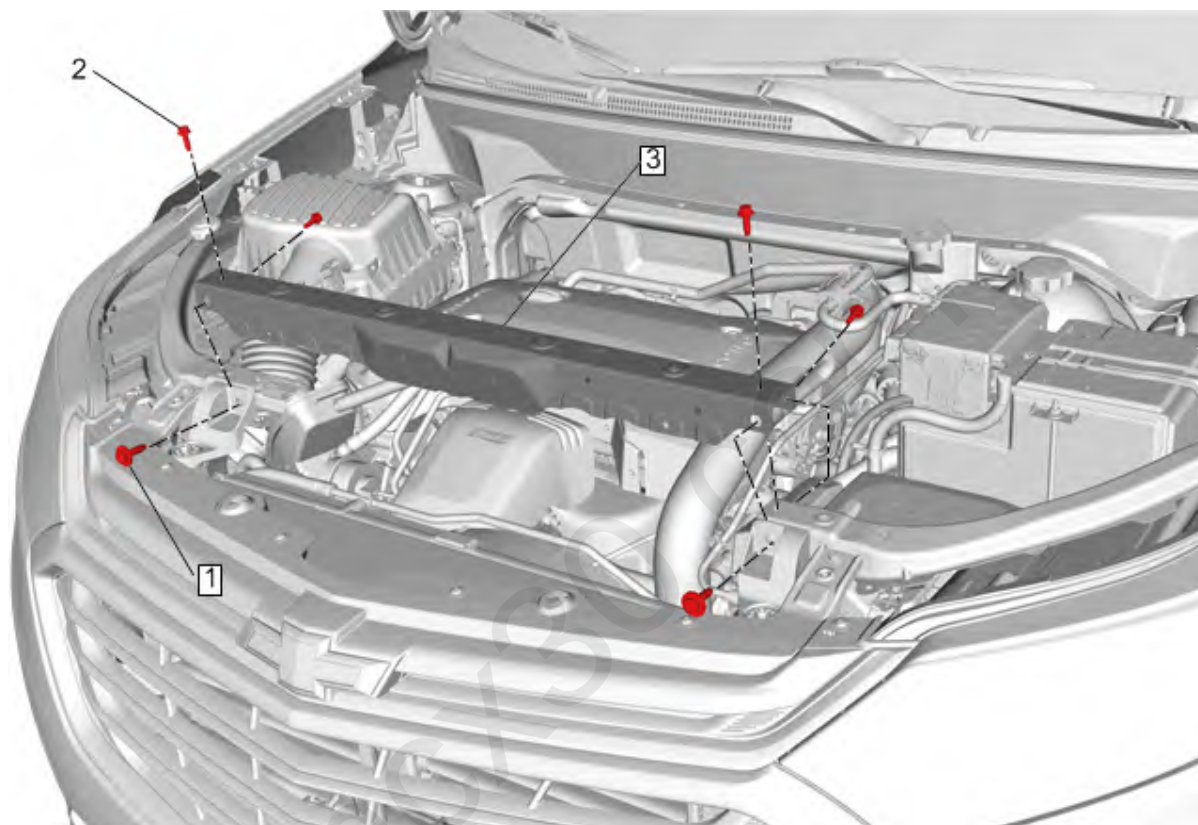


Fig. 2: Front End Upper Tie Bar (Equinox)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Hood Primary and Secondary Latch Replacement (Equinox) 2. Reposition the hood primary latch release cable from the front end upper tie bar. 3. Disconnect the electrical harness from the front end upper tie bar.	
1	Radiator Upper Mount Bracket Bolt [2x] CAUTION: Refer to Fastener Caution . Tighten 14 N.m (124 lb in)
2	Front End Upper Tie Bar Bolt [4x] Tighten 9 N.m (80 lb in)

Callout	Component Name
3	Front End Upper Tie Bar Procedure Transfer components as necessary.

FRONT END UPPER TIE BAR REPLACEMENT (TERRAIN)

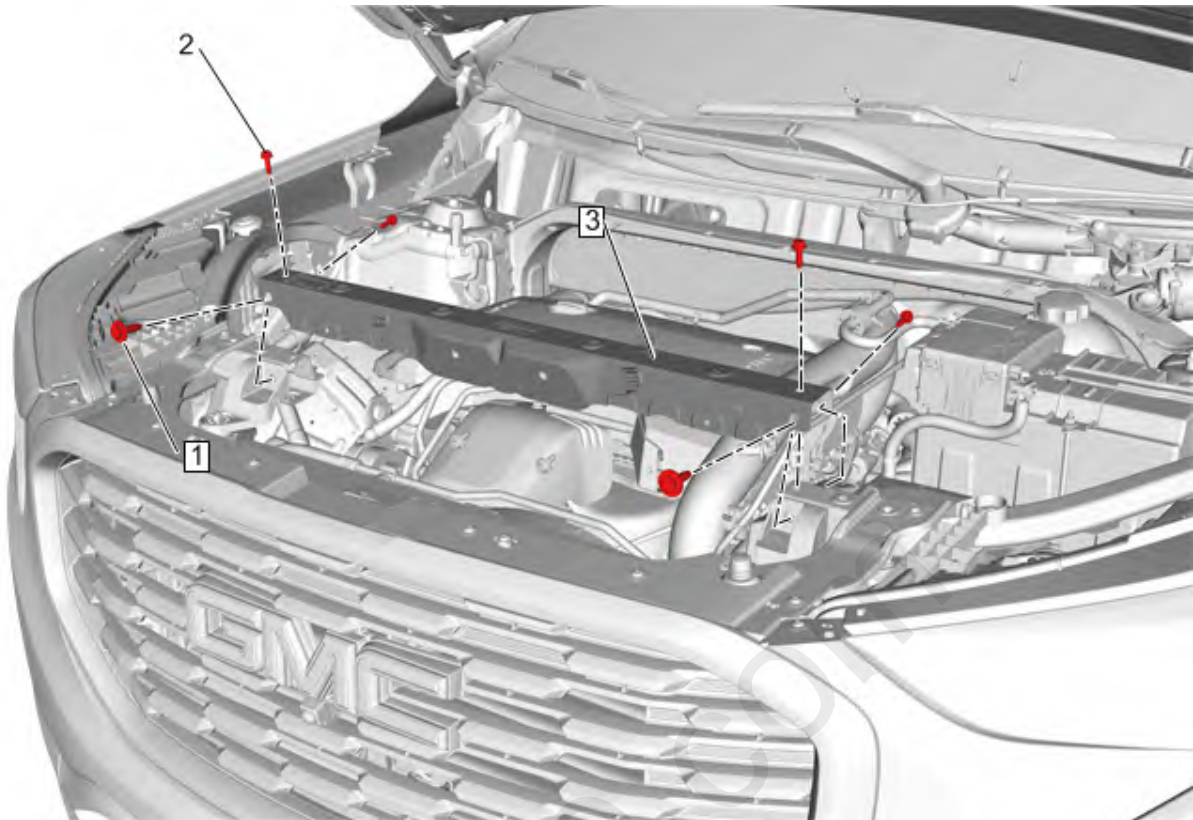


Fig. 3: Front End Upper Tie Bar (Terrain)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures Hood Primary and Secondary Latch Replacement (Terrain). - Reposition the hood primary latch release cable from the front end upper tie bar. - Disconnect the electrical harness from the front end upper tie bar.	
1	Radiator Upper Mount Bracket Bolt [2x] CAUTION: Refer to <u>Fastener Caution</u> . Tighten 14 N.m (124 lb in)
2	Front End Upper Tie Bar Bolt [4x] Tighten 9 N.m (80 lb in)
3	Front End Upper Tie Bar Procedure Transfer components as necessary.

FRONT FENDER FRONT BRACKET REPLACEMENT (EQUINOX)

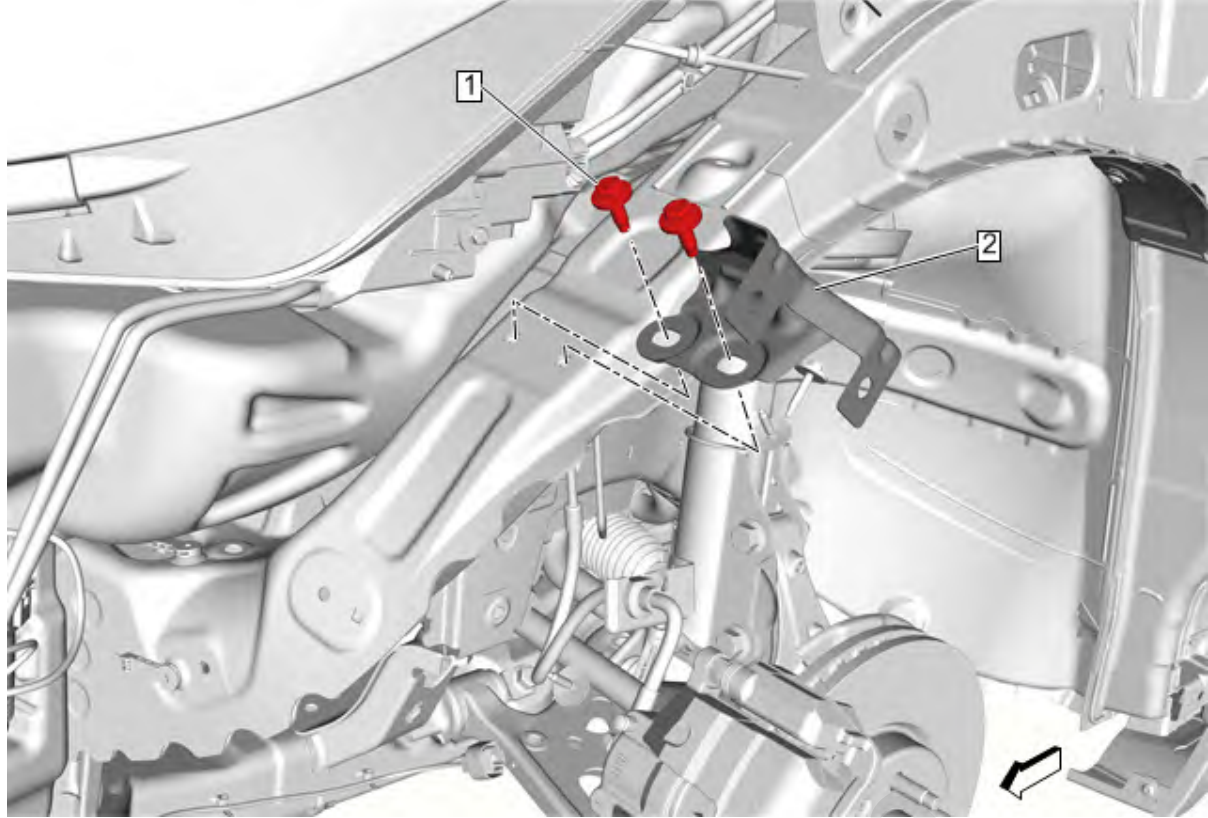


Fig. 4: Front Fender Front Bracket (Equinox)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Front Fender Replacement (Equinox)</u>	
1	Front Fender Bolt [2x] CAUTION: Refer to <u>Fastener Caution</u> . Tighten 9 N.m (80 lb in)
2	Front Fender Front Bracket

FRONT FENDER FRONT BRACKET REPLACEMENT (TERRAIN)

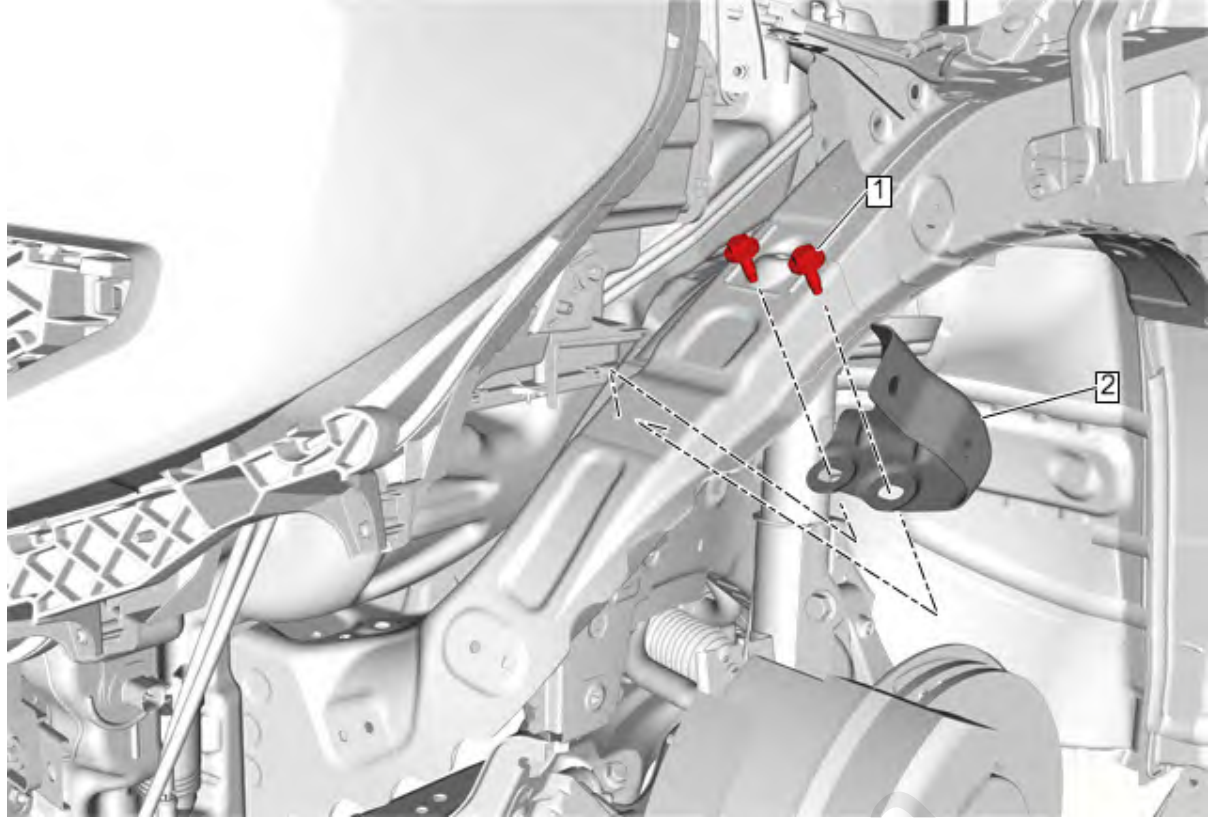


Fig. 5: Front Fender Front Bracket (Terrain)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Front Fender Replacement (Terrain)</u>	
1	Front Fender Bolt [2x] CAUTION: Refer to <u>Fastener Caution</u> . Tighten 9 N.m (80 lb in)
2	Front Fender Front Bracket

HOOD PRIMARY LATCH RELEASE CABLE REPLACEMENT

Removal Procedure

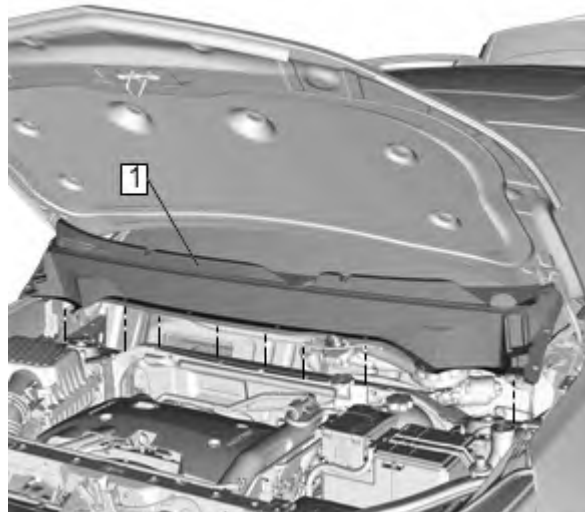


Fig. 6: Air Inlet Grille Panel

Courtesy of GENERAL MOTORS COMPANY

1. Remove Air Inlet Grille Panel (1) - [Air Inlet Grille Panel Replacement](#) .

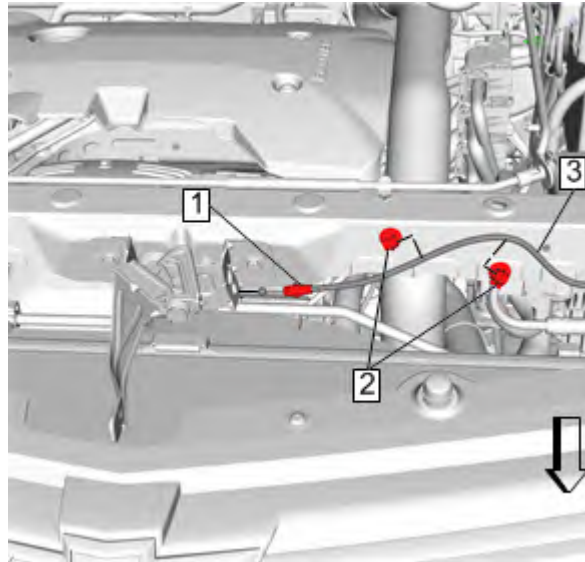


Fig. 7: Cable End Retainer And Hood Primary Latch Release Cable

Courtesy of GENERAL MOTORS COMPANY

2. Disconnect the cable end retainer (1) from the latch.
3. Release the hood primary latch release cable (3) from the retainers (2).

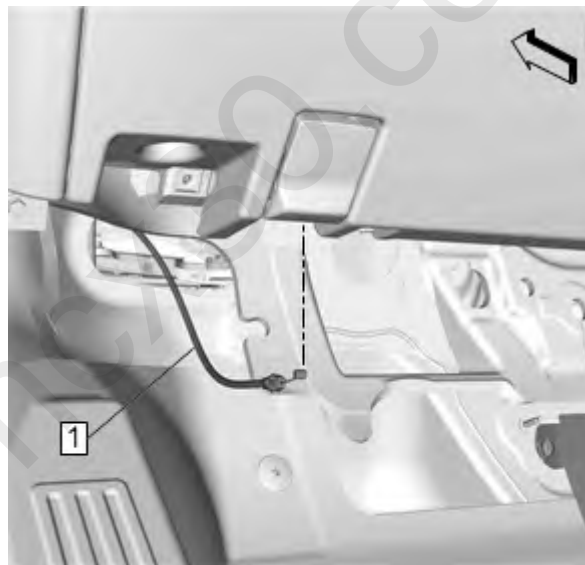


Fig. 8: Hood Primary Latch Release Cable

Courtesy of GENERAL MOTORS COMPANY

4. Disconnect the hood primary latch release cable (1) from the inside handle. [Hood Primary Latch Release Cable Handle Replacement](#)

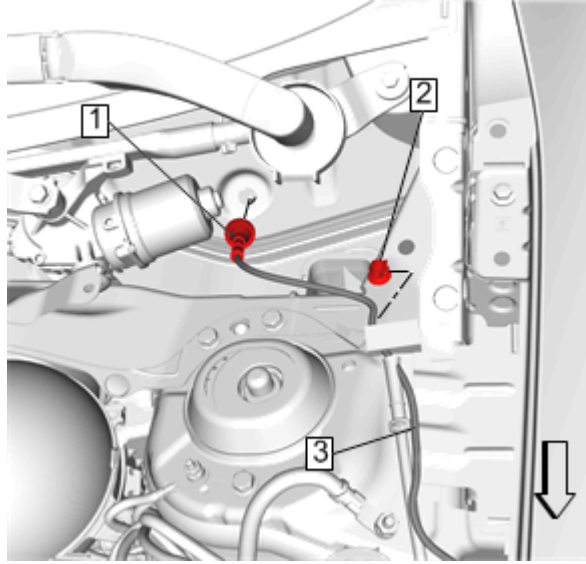


Fig. 9: Hood Primary Latch Release Cable Grommet And Retainer
 Courtesy of GENERAL MOTORS COMPANY

5. Disconnect the hood primary latch release cable grommet (1) from the plenum upper panel.
6. Release the hood primary latch release cable from the retainer (2).
7. Attach mechanics wire to the cable and pull the cable out.

Installation Procedure

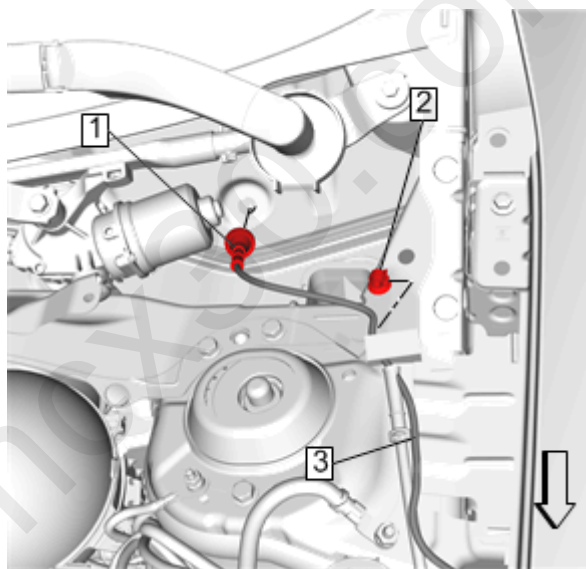


Fig. 10: Hood Primary Latch Release Cable Grommet And Retainer
 Courtesy of GENERAL MOTORS COMPANY

1. Attach the mechanics wire to the new cable and guide the cable in.
2. Connect the hood primary latch release cable grommet (1) to the plenum upper panel.
3. Attach the hood primary latch release cable to the retainer (2).

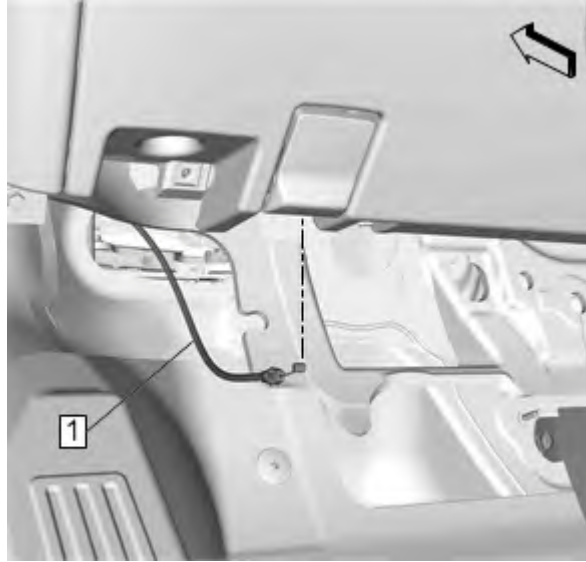


Fig. 11: Hood Primary Latch Release Cable
 Courtesy of GENERAL MOTORS COMPANY

4. Connect the hood primary latch release cable (1) to the inside handle. **Hood Primary Latch Release Cable Handle Replacement**

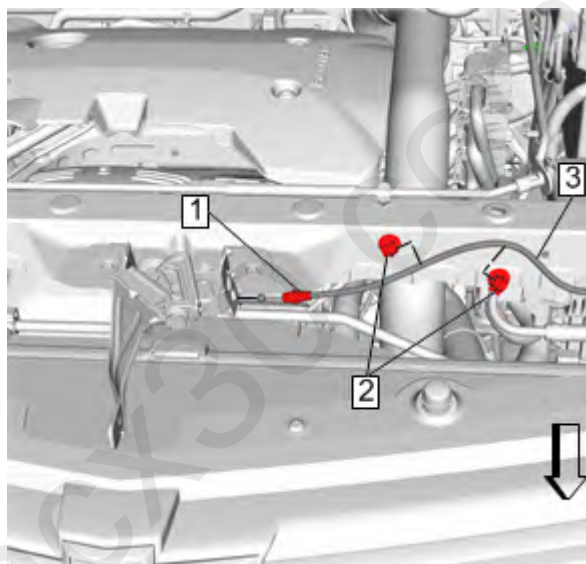
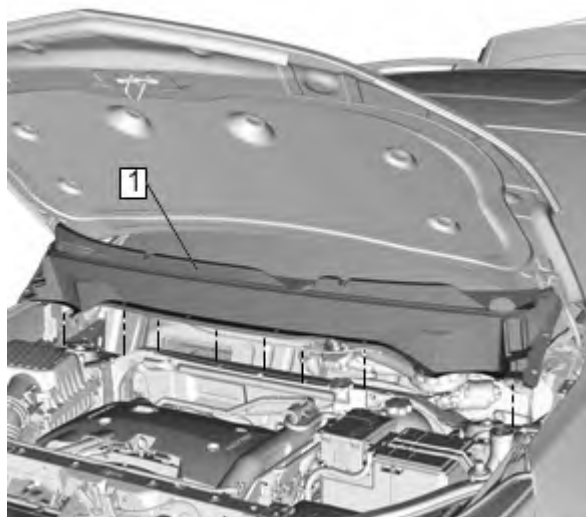


Fig. 12: Cable End Retainer And Hood Primary Latch Release Cable
 Courtesy of GENERAL MOTORS COMPANY

5. Attach the hood primary latch release cable (3) to the retainers (2).
6. Connect the cable end retainer (1) to the latch.



7. Install Air Inlet Grille Panel(1) - [Air Inlet Grille Panel Replacement](#) .

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 a double layer of masking tape around the perimeter of the painted surfaces.

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

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 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 a double layer of masking tape around the perimeter of the painted surfaces.
2. Remove [Front Wheelhouse Liner Replacement - Right Side \(Equinox\)](#), [Front Wheelhouse Liner Replacement - Right Side \(Terrain\)](#) , [Front Wheelhouse Liner Replacement - Left Side \(Equinox\)](#), [Front Wheelhouse Liner Replacement - Left Side \(Terrain\)](#) .
3. Loosen the body side hinge bolts, but Do NOT remove the bolts from the door.
4. Adjust the door fore and aft by repositioning the door as necessary.

Installation Procedure

CAUTION: Refer to [Fastener Caution](#) .

1. Install the body side hinge bolts.

Tighten

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

2. Adjust the front side door lock striker, if needed. [Front Side Door Lock Striker Adjustment](#)

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

FRONT SIDE DOOR REPLACEMENT

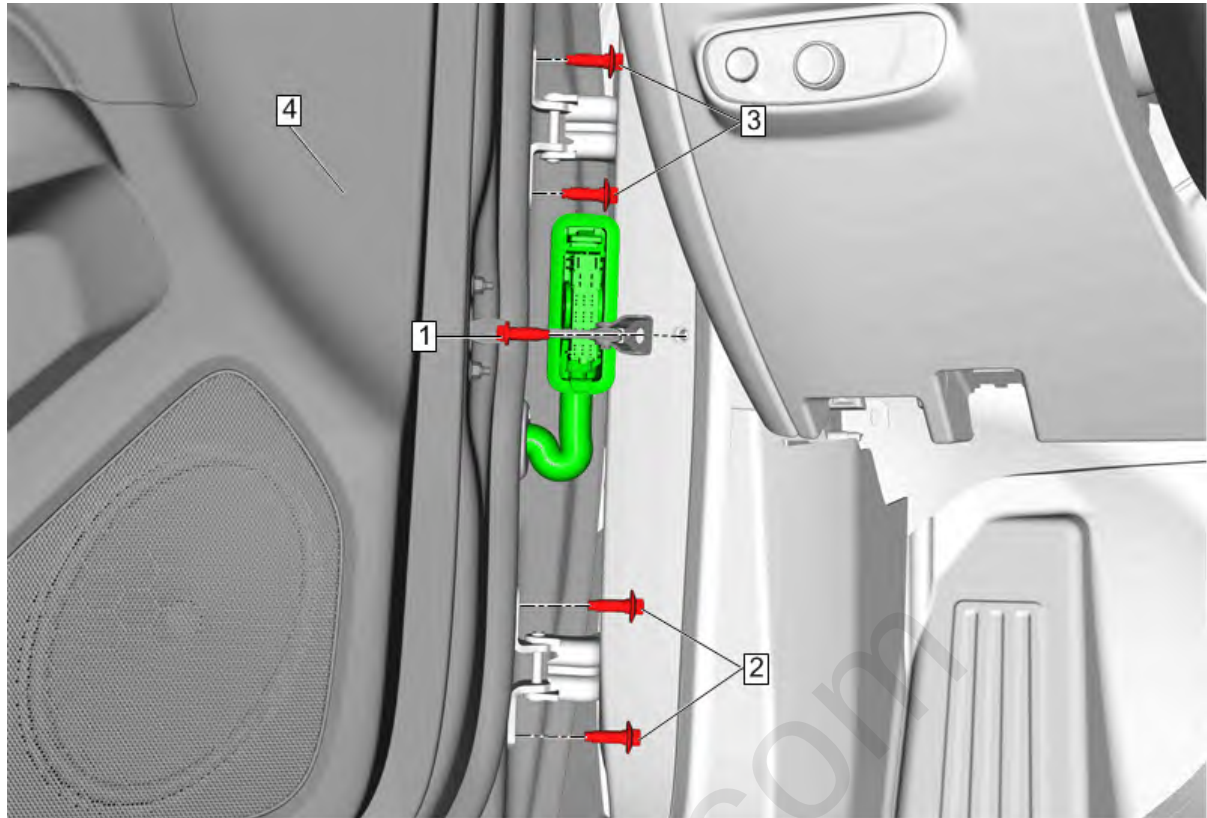


Fig. 14: Front Side Door

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Mark location of the hinge using a grease pencil before removing the bolts. 2. Disconnect the electrical connector.	
1	Front Side Door Check Link Bolt CAUTION: Refer to <u>Fastener Caution</u> . Tighten 22 N.m (16 lb ft)
2	Front Side Door Hinge Bolt to Door [2x] Procedure Support the door before removing the hinge bolt. Tighten 25 N.m (18 lb ft)
3	Front Side Door Hinge Bolt to Door [2x] Tighten 25 N.m (18 lb ft)

Callout	Component Name
4	Front Side Door Procedure 1. With the aid of an assistant, remove the door. 2. Transfer components as necessary. 3. <u>Front Side Door Adjustment</u>

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 a double layer of masking tape around the perimeter of the painted surfaces.

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

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 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 a double layer of masking tape around the perimeter of the painted surfaces.

Loosen the bodyside hinge bolts, but do NOT remove the bolts from the door.

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

Installation Procedure

CAUTION: Refer to **Fastener Caution** .

1. Install the body side hinge bolts.

Tighten

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

2. Adjust the rear side door lock striker, if needed. [Rear Side Door Lock Striker Adjustment](#)
3. Inspect the door for proper operation and alignment.
4. Remove the tape.

REAR SIDE DOOR REPLACEMENT

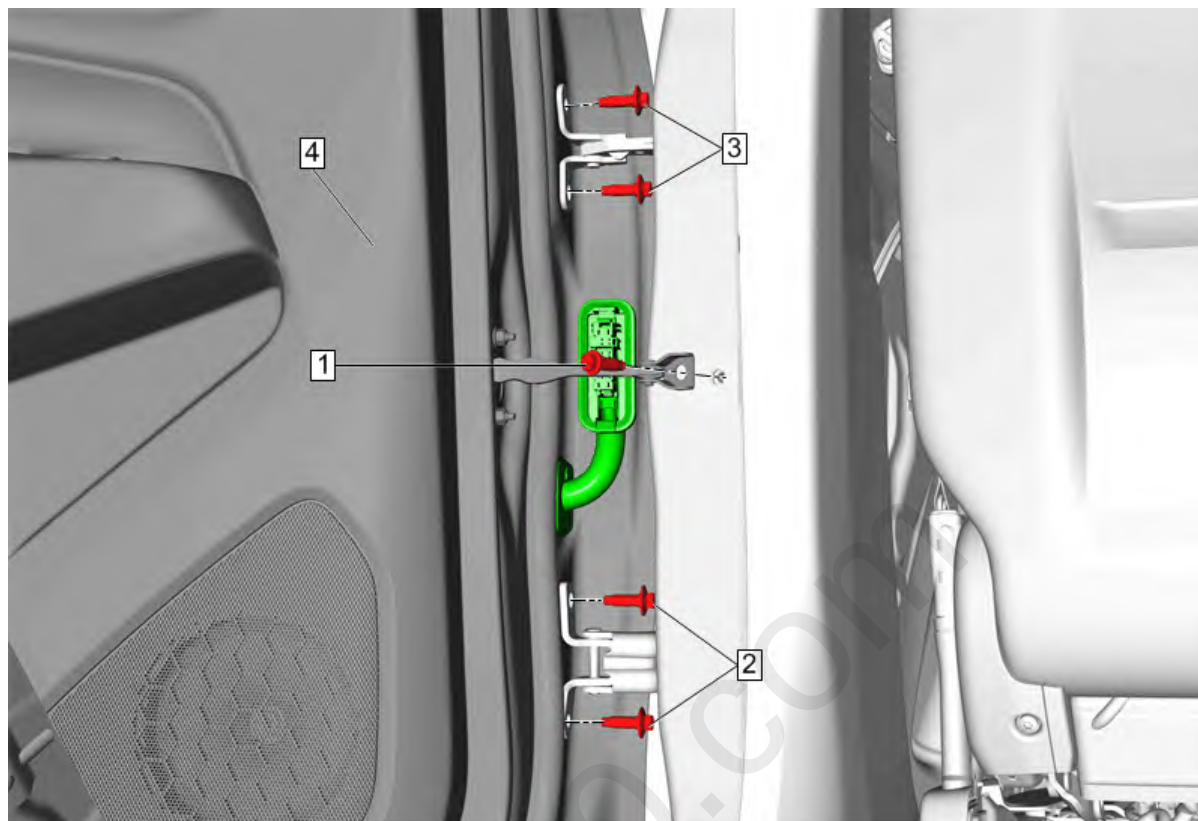


Fig.15: Rear Side Door

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Mark the location of the hinge before removing the bolts with a grease pencil. 2. Disconnect the electrical connector. 3. Support the door before removing the rear side door hinge bolts.	
1	Rear Side Door Check Link Bolt CAUTION: Refer to Fastener Caution . Tighten 22 N.m (16 lb ft)
2	Rear Side Door Lower Hinge Bolt [2x] Tighten 25 N.m (18 lb ft)
3	Rear Side Door Upper Hinge Bolt [2x] Tighten 25 N.m (18 lb ft)

Callout	Component Name
4	Rear Side Door Procedure 1. With the aid of an assistant, remove the door. 2. Transfer components as necessary. 3. <u>Rear Side Door Adjustment</u>

FRONT FENDER REPLACEMENT (EQUINOX)

Removal Procedure

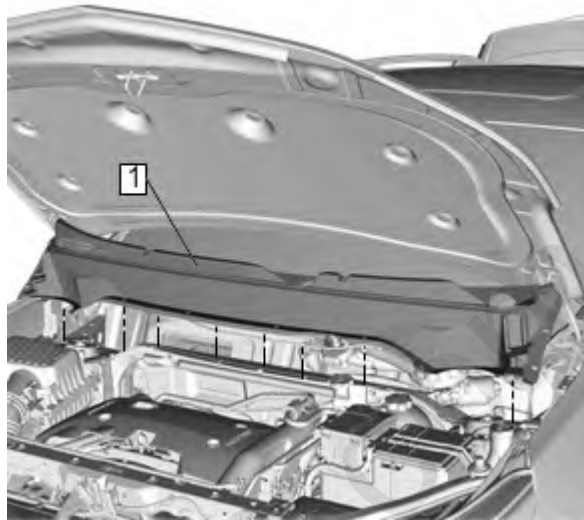


Fig. 16: Air Inlet Grille Panel

Courtesy of GENERAL MOTORS COMPANY

1. Remove Air Inlet Grille Panel (1) - [Air Inlet Grille Panel Replacement](#)

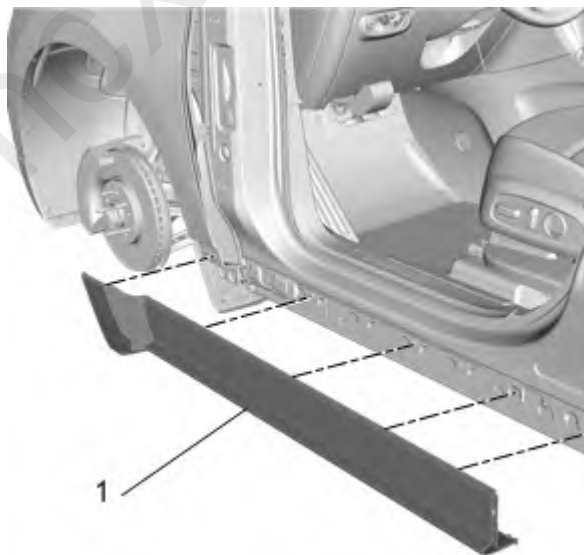


Fig. 17: Rocker Panel Molding

Courtesy of GENERAL MOTORS COMPANY

2. Remove Rocker Panel Molding (1) - [Rocker Panel Molding Replacement \(Equinox\)](#)

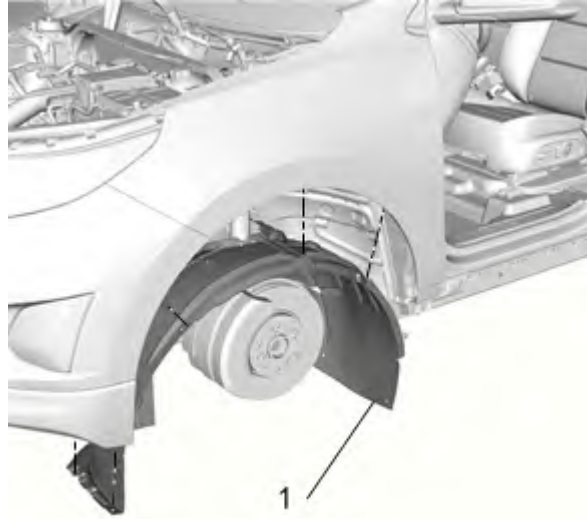


Fig. 18: Front Wheelhouse Liner

Courtesy of GENERAL MOTORS COMPANY

3. Remove Front Wheelhouse Liner- Left Side (1) - [Front Wheelhouse Liner Replacement - Left Side \(Equinox\)](#)
4. Front Wheelhouse Liner- Right Side - [Front Wheelhouse Liner Replacement - Right Side \(Equinox\)](#)
5. Remove the right or left front fender insulator - [Front Fender Insulator Replacement \(Left Side Equinox\)](#)[Front Fender Insulator Replacement \(Right Side Equinox\)](#)

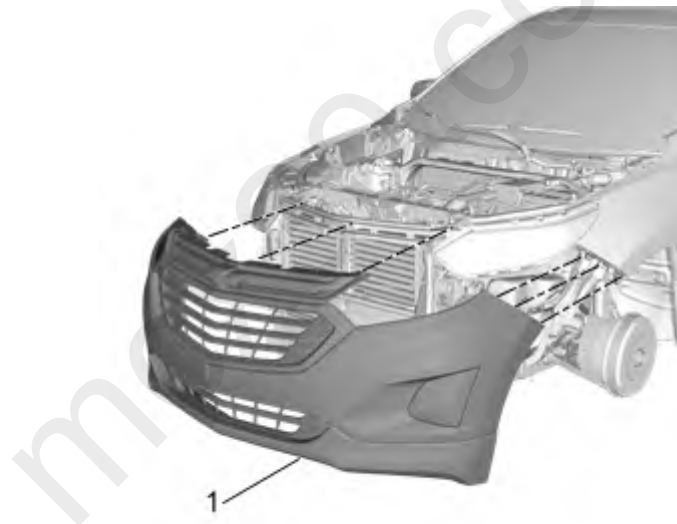


Fig. 19: Front Bumper Fascia

Courtesy of GENERAL MOTORS COMPANY

6. Remove Front Bumper Fascia (1) - [Front Bumper Fascia Replacement \(Equinox\)](#)

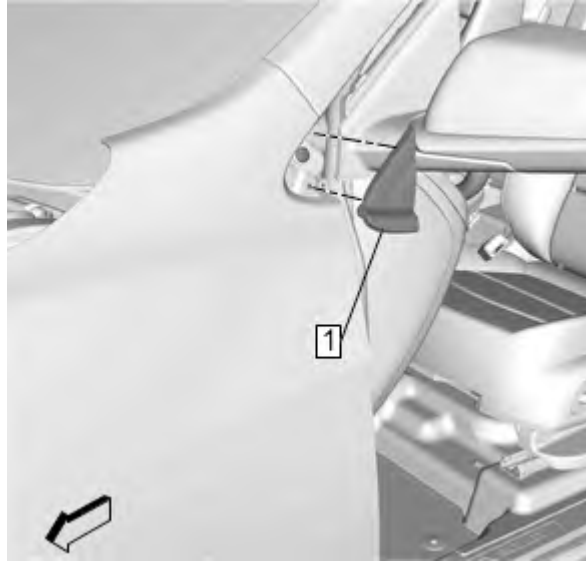


Fig. 20: Front Fender Upper Rear Molding
 Courtesy of GENERAL MOTORS COMPANY

7. Remove Front Fender Upper Rear Molding (1) - **Front Fender Upper Rear Molding Replacement**

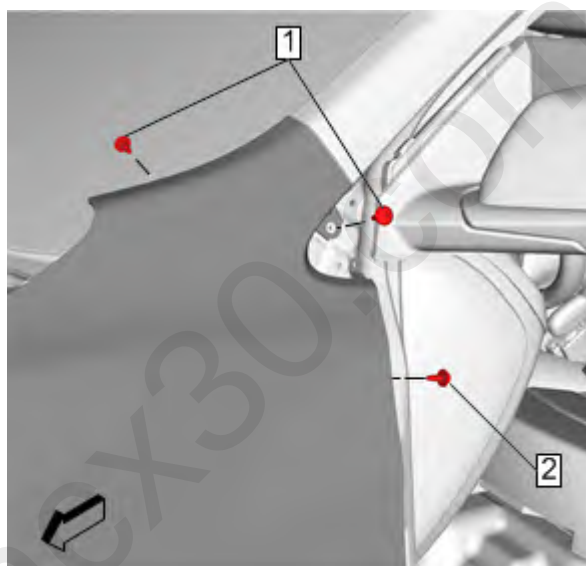


Fig. 21: Front Fender Bolt
 Courtesy of GENERAL MOTORS COMPANY

8. Remove Front Fender Bolt (1) - [2x]
9. Remove Front Fender Bolt (2).

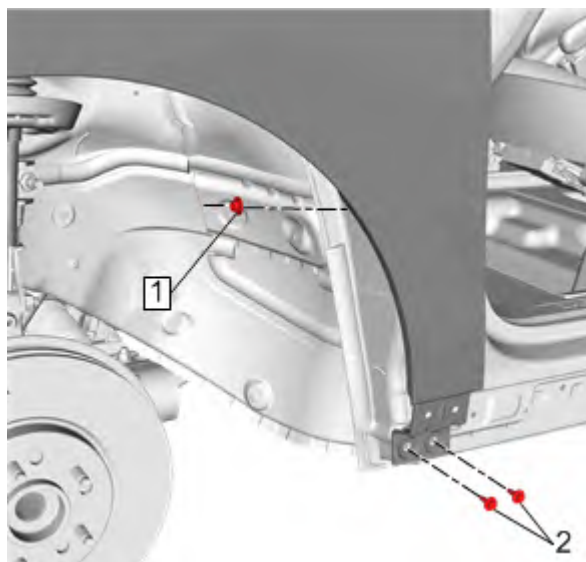


Fig. 22: Front Fender Bolt And Nut
Courtesy of GENERAL MOTORS COMPANY

10. Remove Front Fender Nut (1).
11. Remove Front Fender Bolt (2) - [2x]

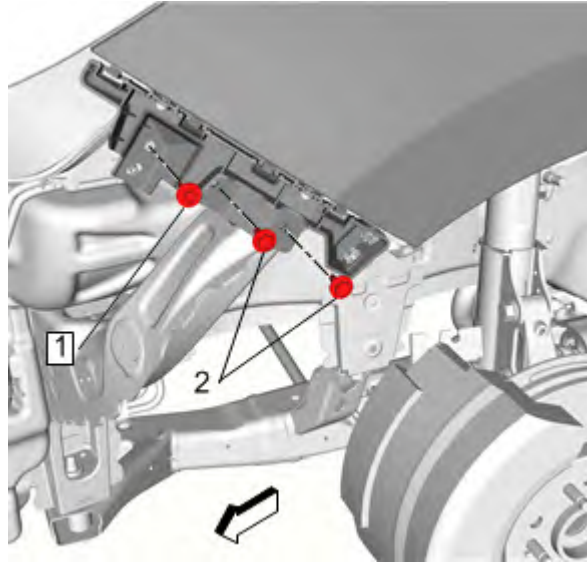


Fig. 23: Headlamp Bolt And Front Fender Bolt
Courtesy of GENERAL MOTORS COMPANY

12. Remove Headlamp Bolt (1) - [Headlamp Replacement \(Chevrolet\)](#)
13. Remove Front Fender Bolt (2) - [2x]

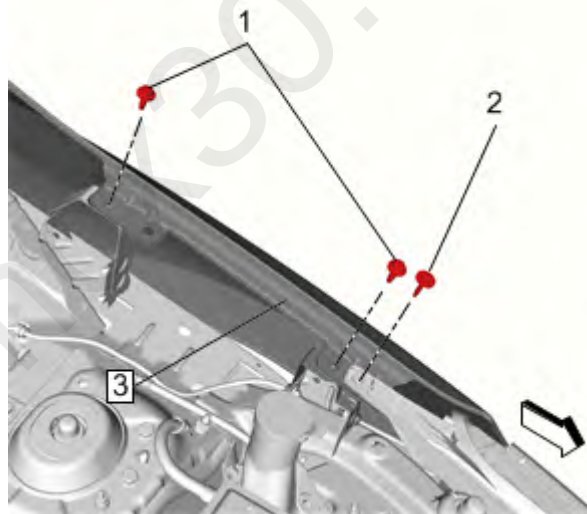


Fig. 24: Front Fender And Headlamp Bolt
Courtesy of GENERAL MOTORS COMPANY

14. Remove Front Fender Bolt (1) - [2x]
15. Remove Headlamp Bolt (2) - [Headlamp Replacement \(Chevrolet\)](#)
16. Remove Front Fender (3).

Installation Procedure

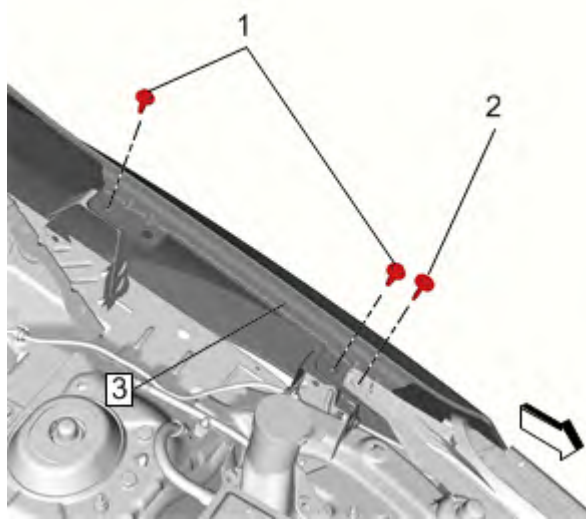


Fig. 25: Front Fender And Headlamp Bolt
 Courtesy of GENERAL MOTORS COMPANY

1. Install Front Fender (3).
2. Install Headlamp Bolt (2) - [Headlamp Replacement \(Chevrolet\)](#).

CAUTION: Refer to [Fastener Caution](#) .

3. Install Front Fender Bolt (1) and tighten [2x] 9 N.m (80 lb in)

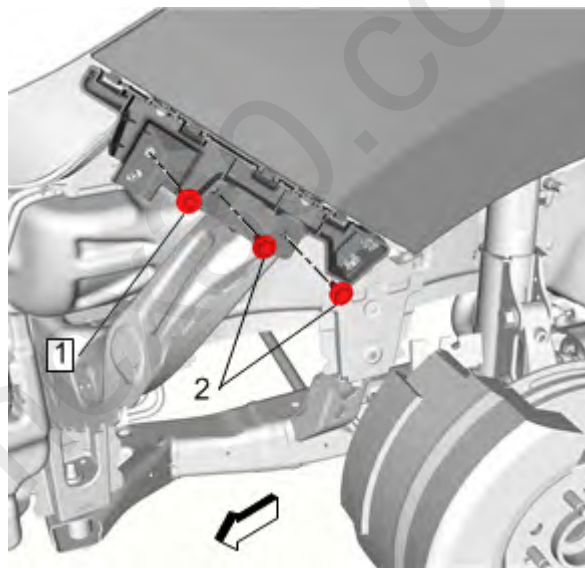


Fig. 26: Headlamp Bolt And Front Fender Bolt
 Courtesy of GENERAL MOTORS COMPANY

4. Install Headlamp Bolt (1) - [Headlamp Replacement \(Chevrolet\)](#).
5. Install Front Fender Bolt (2) and tighten [2x] 9 N.m (80 lb in)

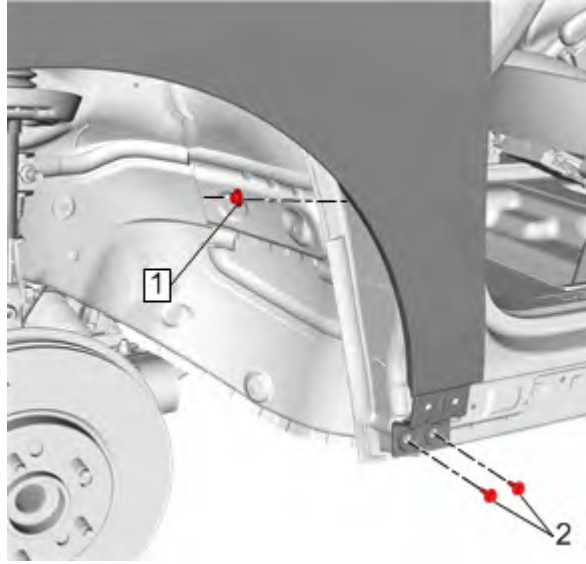


Fig. 27: Front Fender Bolt And Nut
 Courtesy of GENERAL MOTORS COMPANY

6. Install Front Fender Nut (1) and tighten 9 N.m (80 lb in)
7. Install Front Fender Bolt (2) and tighten [2x] 9 N.m (80 lb in)

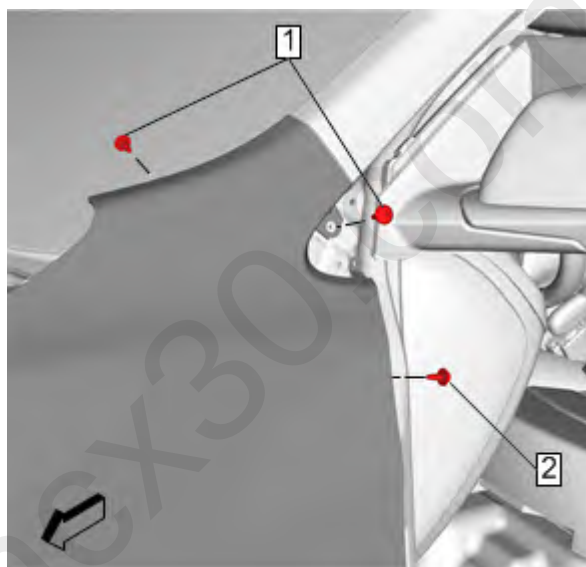
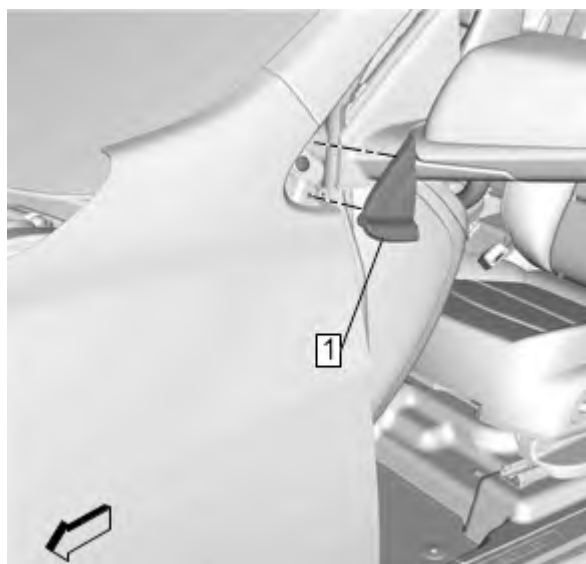


Fig. 28: Front Fender Bolt
 Courtesy of GENERAL MOTORS COMPANY

8. Install Front Fender Bolt (1) and tighten [2x] 9 N.m (80 lb in)
9. Install Front Fender Bolt (2) and tighten 9 N.m (80 lb in)



10. Install Front Fender Upper Rear Molding (1) - **Front Fender Upper Rear Molding Replacement**

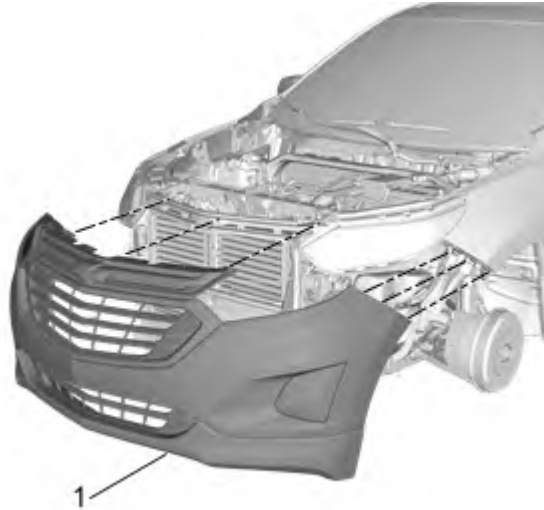


Fig. 30: Front Bumper Fascia
Courtesy of GENERAL MOTORS COMPANY

11. Install Front Bumper Fascia (1) - **Front Bumper Fascia Replacement (Equinox)**

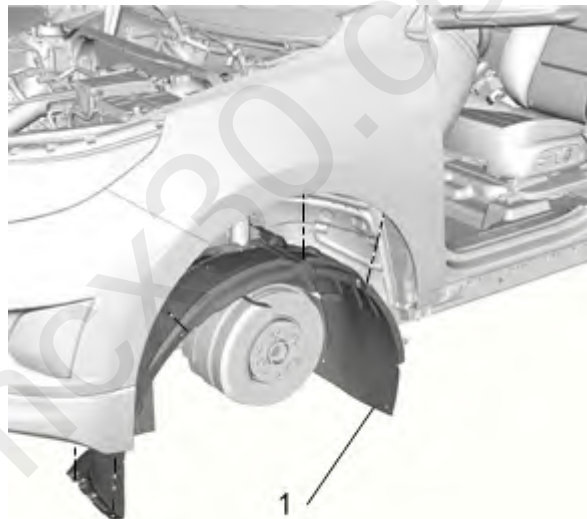


Fig. 31: Front Wheelhouse Liner
Courtesy of GENERAL MOTORS COMPANY

12. Install Front Wheelhouse Liner - Left Side (1) - **Front Wheelhouse Liner Replacement - Left Side (Equinox)**
13. Install Front Wheelhouse Liner- Right Side - **Front Wheelhouse Liner Replacement - Right Side (Equinox)**
14. Install the right or left front fender insulator - **Front Fender Insulator Replacement (Left Side Equinox)****Front Fender Insulator Replacement (Right Side Equinox)**

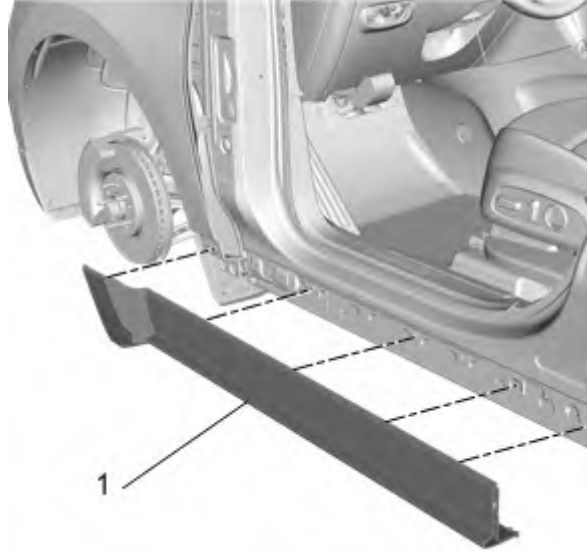


Fig. 32: Rocker Panel Molding

Courtesy of GENERAL MOTORS COMPANY

15. Install Rocker Panel Molding (1) - [Rocker Panel Molding Replacement \(Equinox\)](#).

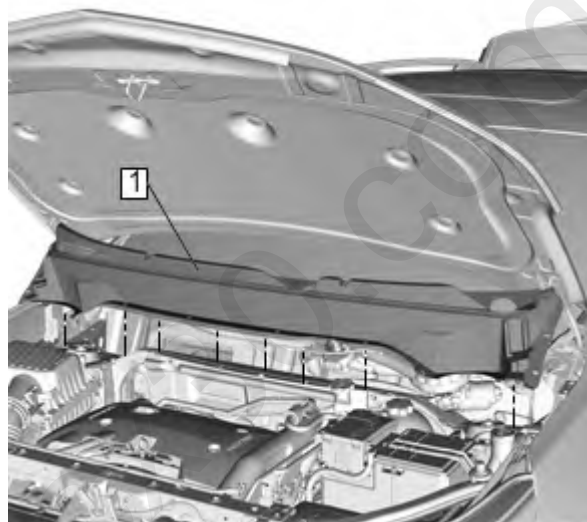


Fig. 33: Air Inlet Grille Panel

Courtesy of GENERAL MOTORS COMPANY

16. Install Air Inlet Grille Panel (1) - [Air Inlet Grille Panel Replacement](#)

FRONT FENDER REPLACEMENT (TERRAIN)

Removal Procedure

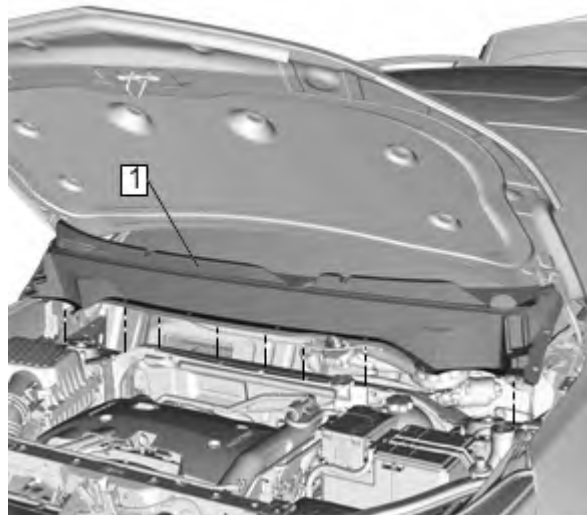


Fig. 34: Air Inlet Grille Panel

Courtesy of GENERAL MOTORS COMPANY

1. Remove Air Inlet Grille Panel (1) - [Air Inlet Grille Panel Replacement](#)

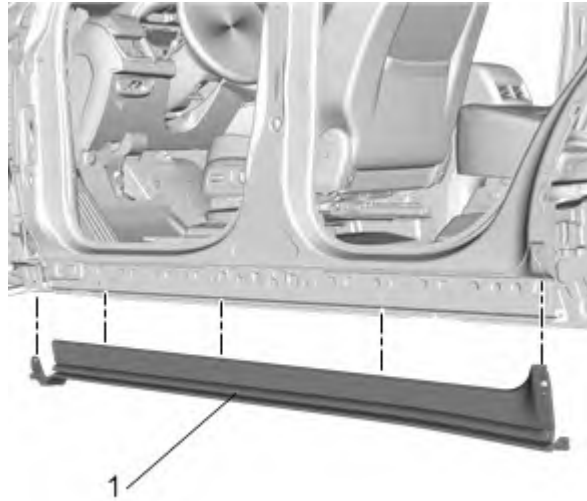


Fig. 35: Rocker Panel Molding

Courtesy of GENERAL MOTORS COMPANY

2. Remove Rocker Panel Molding (1) - [Rocker Panel Molding Replacement \(Terrain\)](#)

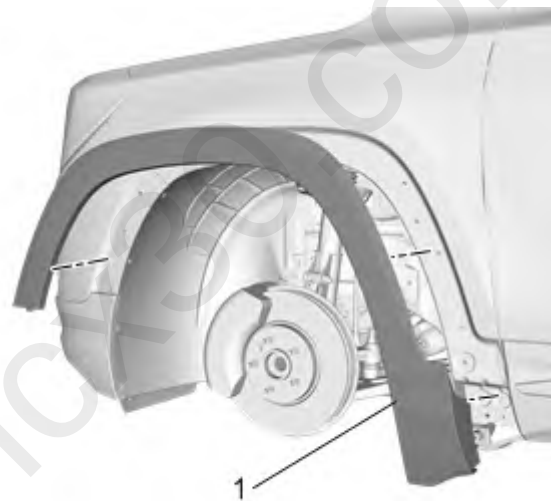


Fig. 36: Front Wheel Opening Molding

Courtesy of GENERAL MOTORS COMPANY

3. Remove Front Wheel Opening Molding (1) - [Front Wheel Opening Molding Replacement](#)



Fig. 37: Front Wheelhouse Liner

Courtesy of GENERAL MOTORS COMPANY

4. Remove Front Wheelhouse Liner- Left Side (1) - [**Front Wheelhouse Liner Replacement - Left Side \(Terrain\)**](#)
5. Front Wheelhouse Liner- Right Side - [**Front Wheelhouse Liner Replacement - Right Side \(Terrain\)**](#)

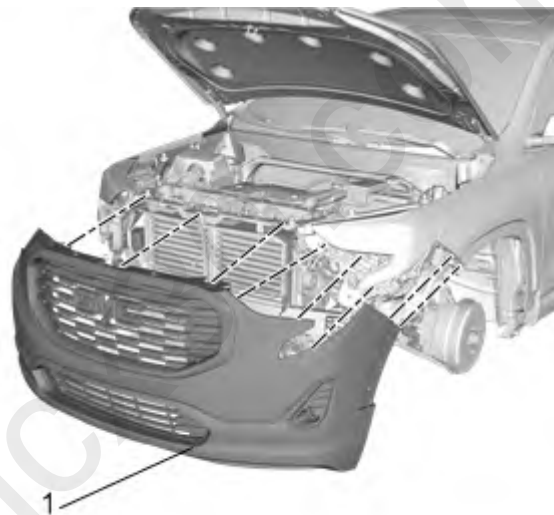
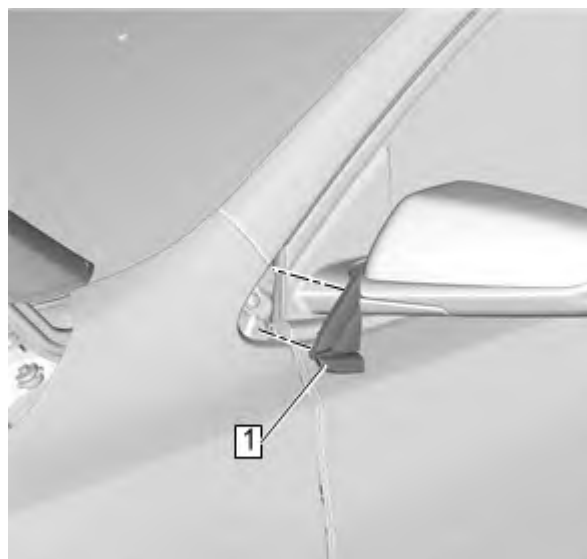


Fig. 38: Front Bumper Fascia

Courtesy of GENERAL MOTORS COMPANY

6. Remove Front Bumper Fascia (1) - [**Front Bumper Fascia Replacement \(Terrain\)**](#)



7. Remove Front Fender Upper Rear Molding (1) - **Front Fender Upper Rear Molding Replacement**

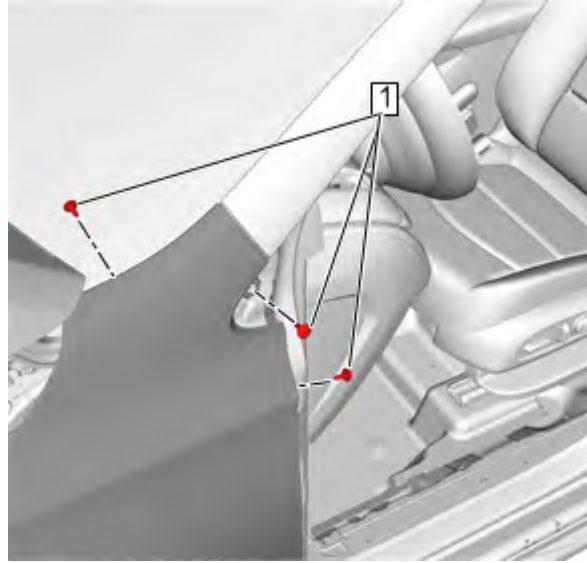


Fig. 40: Front Fender Bolt
Courtesy of GENERAL MOTORS COMPANY

8. Remove Front Fender Bolt (1) - [3x]

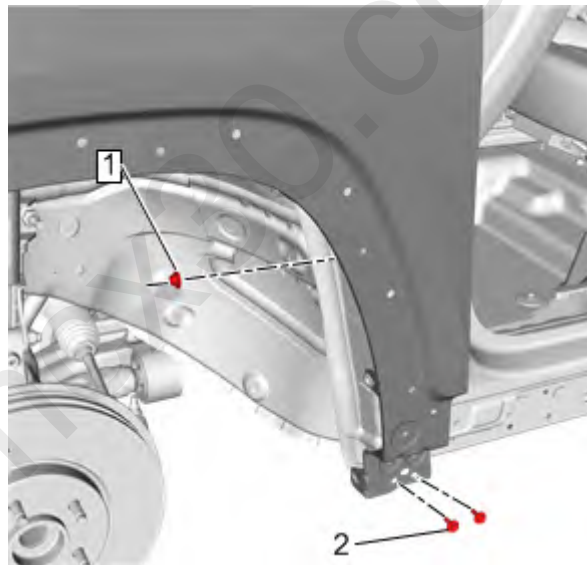


Fig. 41: Front Fender Nut And Bolt
Courtesy of GENERAL MOTORS COMPANY

9. Remove Front Fender Nut (1).
10. Remove Front Fender Bolt (2) - [2x]

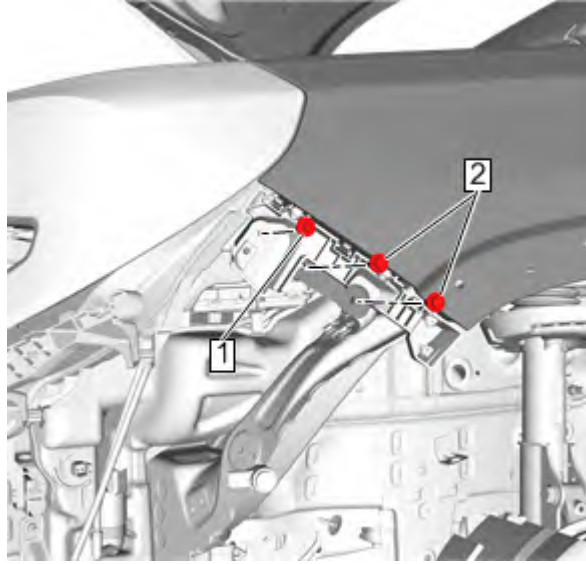


Fig. 42: Headlamp Bolt And Front Fender Bolt
 Courtesy of GENERAL MOTORS COMPANY

11. Remove Headlamp Bolt (1).
12. Remove Front Fender Bolt (2) - [2x]

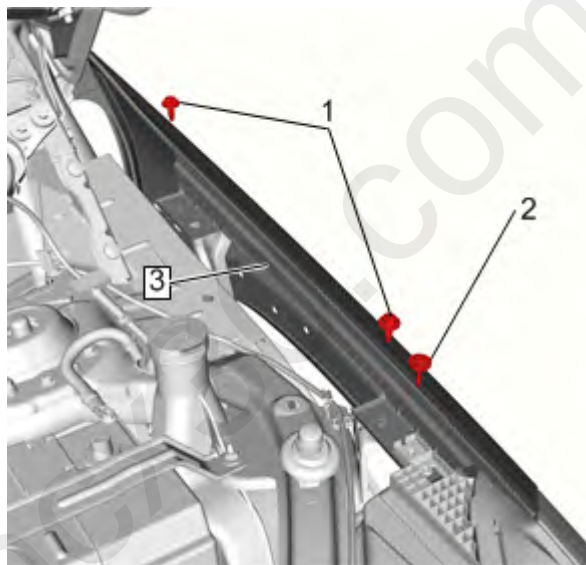


Fig. 43: Front Fender, Headlamp Bolt And Front Fender Bolt
 Courtesy of GENERAL MOTORS COMPANY

13. Remove Front Fender Bolt (1) - [2x]
14. Remove Headlamp Bolt (2).
15. Remove Front Fender (3).

Installation Procedure

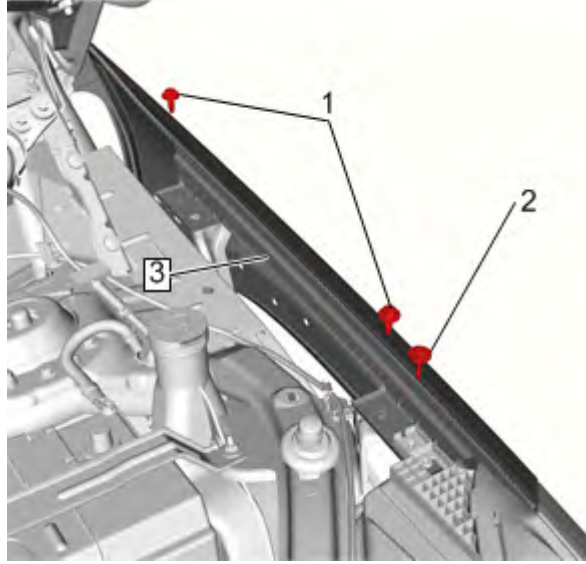


Fig. 44: Front Fender, Headlamp Bolt And Front Fender Bolt
 Courtesy of GENERAL MOTORS COMPANY

CAUTION: Refer to [Fastener Caution](#) .

1. Install Front Fender (3).
2. Install Headlamp Bolt (2) and tighten 2.5 N.m (22 lb in)
3. Install Front Fender Bolt (1) and tighten [2x] 9 N.m (80 lb in)

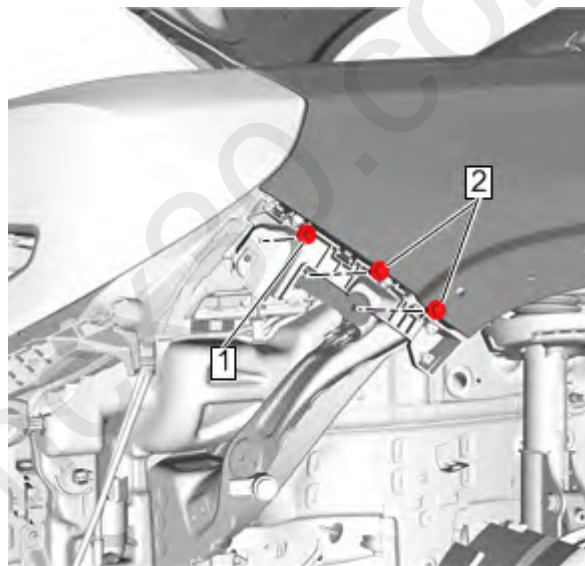


Fig. 45: Headlamp Bolt And Front Fender Bolt
 Courtesy of GENERAL MOTORS COMPANY

4. Install Headlamp Bolt (1) and tighten 2.5 N.m (22 lb in)
5. Install Front Fender Bolt (2) and tighten [2x] 9 N.m (80 lb in)

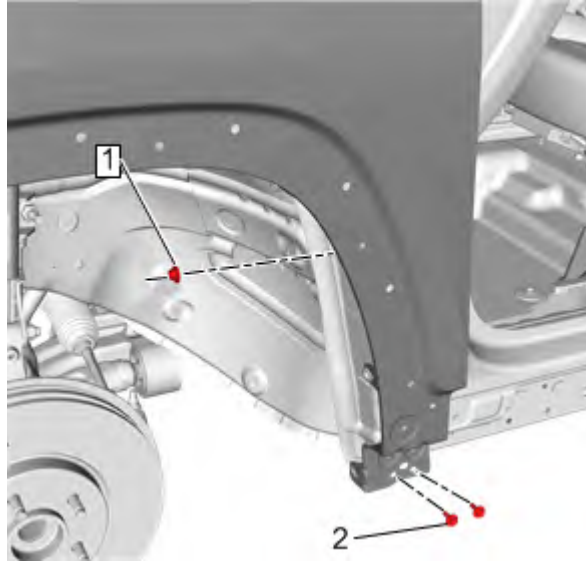


Fig. 46: Front Fender Nut And Bolt
 Courtesy of GENERAL MOTORS COMPANY

6. Install Front Fender Nut (1) and tighten 9 N.m (80 lb in)
7. Install Front Fender Bolt (2) and tighten [2x] 9 N.m (80 lb in)

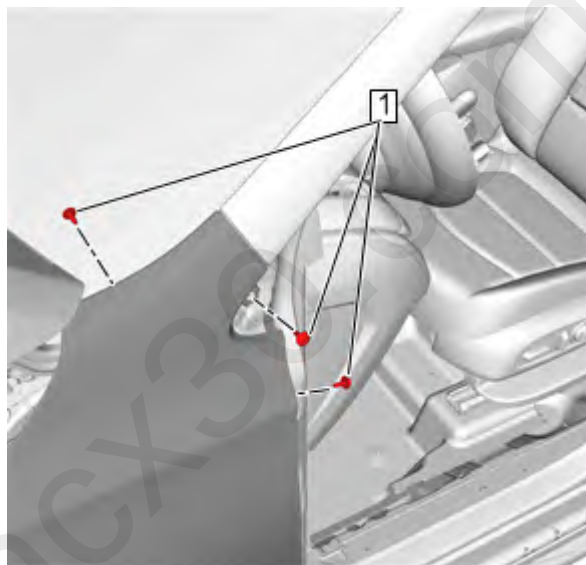


Fig. 47: Front Fender Bolt
 Courtesy of GENERAL MOTORS COMPANY

8. Install Front Fender Bolt (1) and tighten [3x] 9 N.m (80 lb in)

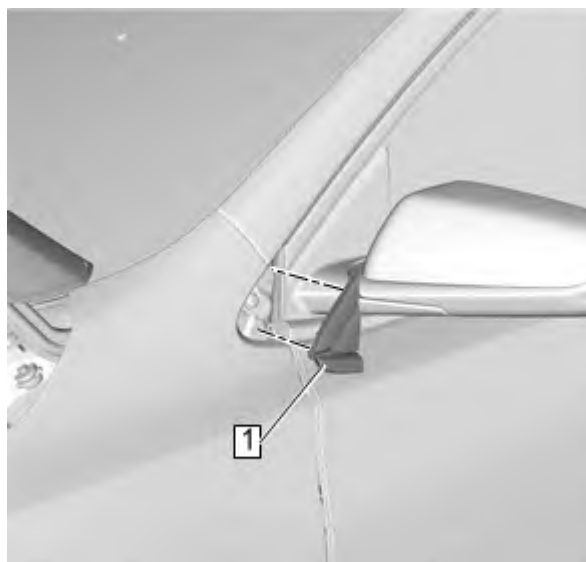


Fig. 48: Front Fender Upper Rear Molding
 Courtesy of GENERAL MOTORS COMPANY

9. Install Front Fender Upper Rear Molding (1) - [Front Fender Upper Rear Molding Replacement](#)

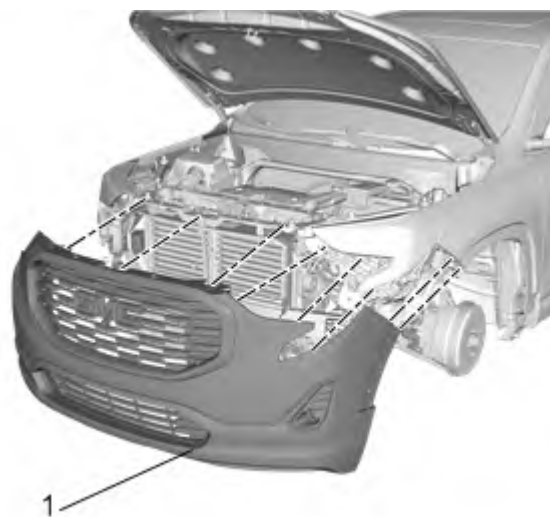


Fig. 49: Front Bumper Fascia

Courtesy of GENERAL MOTORS COMPANY

10. Install Front Bumper Fascia (1) - [Front Bumper Fascia Replacement \(Terrain\)](#)

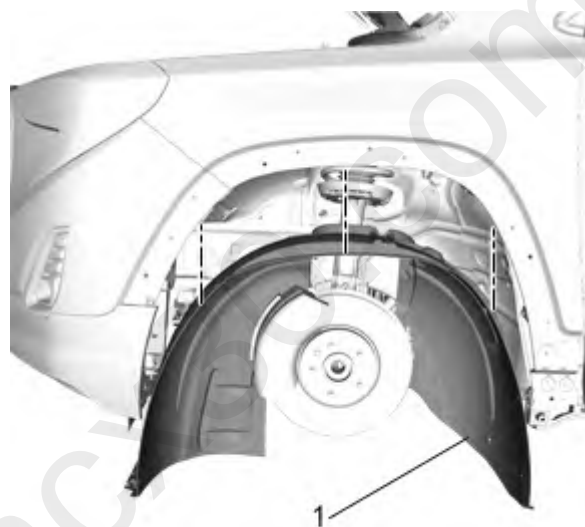


Fig. 50: Front Wheelhouse Liner

Courtesy of GENERAL MOTORS COMPANY

11. Install Front Wheelhouse Liner - Left Side (1) - [Front Wheelhouse Liner Replacement - Left Side \(Terrain\)](#)
12. Install Front Wheelhouse Liner- Right Side - [Front Wheelhouse Liner Replacement - Right Side \(Terrain\)](#)

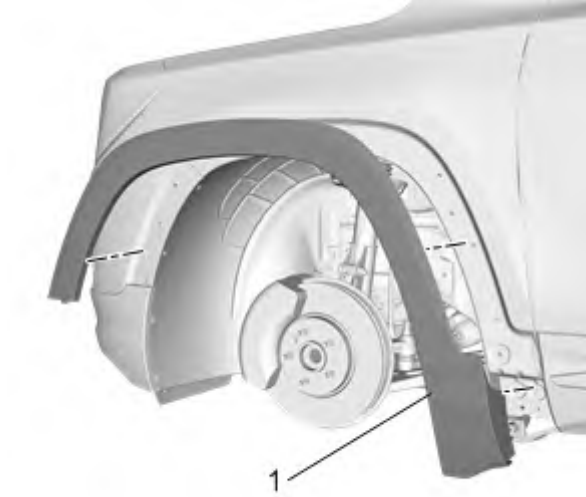


Fig. 51: Front Wheel Opening Molding

Courtesy of GENERAL MOTORS COMPANY

13. Install Front Wheel Opening Molding (1) - [Front Wheel Opening Molding Replacement](#)

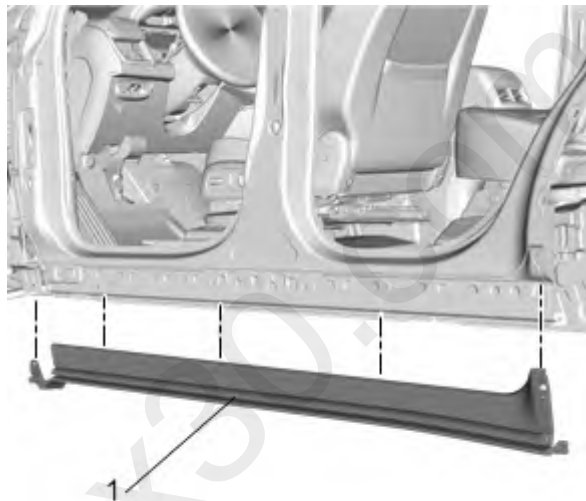


Fig. 52: Rocker Panel Molding

Courtesy of GENERAL MOTORS COMPANY

14. Install Rocker Panel Molding (1) - [Rocker Panel Molding Replacement \(Terrain\)](#)

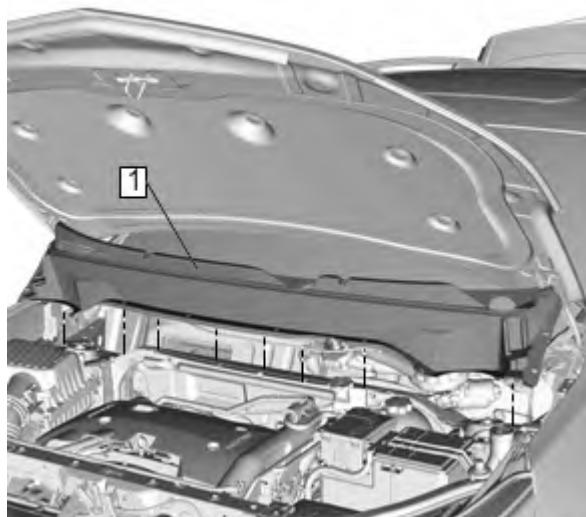


Fig. 53: Air Inlet Grille Panel

Courtesy of GENERAL MOTORS COMPANY

LIFTGATE ADJUSTMENT (EQUINOX)

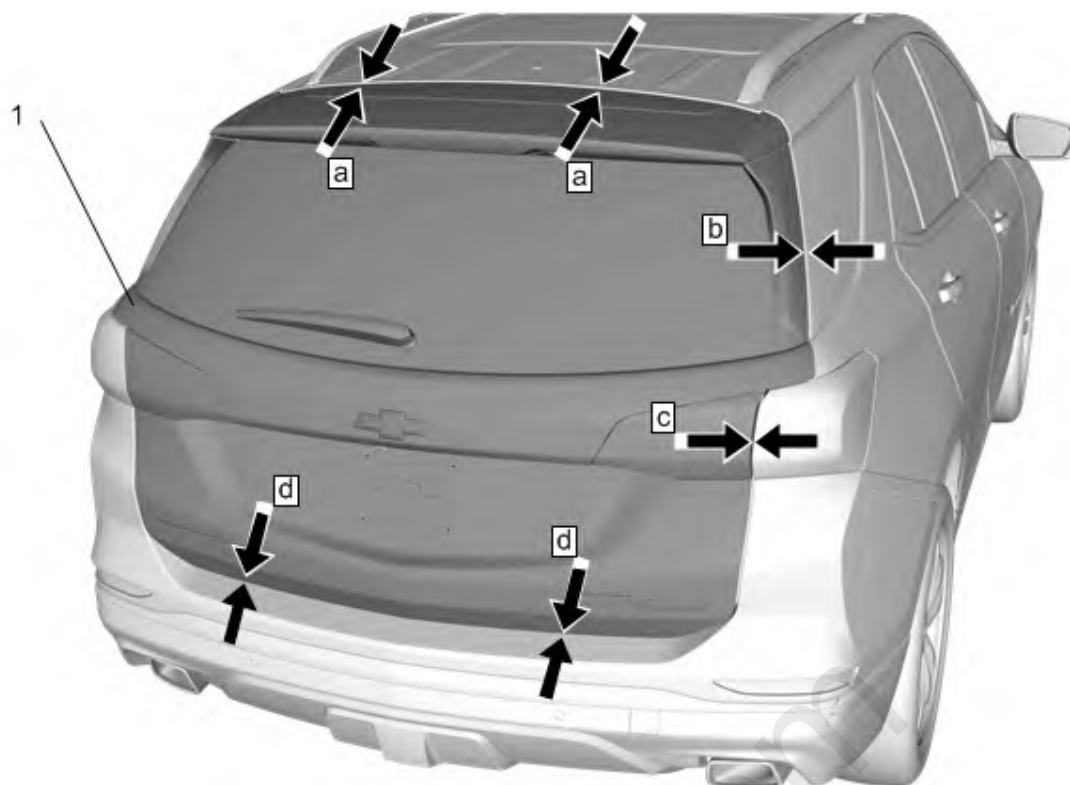


Fig. 54: Liftgate (Equinox)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Liftgate CAUTION: Refer to Fastener Caution . Procedure 1. Loosen the 4 liftgate hinge bolts to adjust the liftgate. 2. Adjust the liftgate in order to obtain an even gap between the liftgate and the roof, the quarter outer panel, the tail lamp and rear bumper fascia and so that the liftgate is flush with the roof, the quarter outer panel, the tail lamp and rear bumper fascia. Adjustment: • Liftgate to roof (a) 5.5 mm $\tilde{\Delta}$, $\hat{\Delta} \pm 1.0$ mm (0.22 in $\tilde{\Delta}$, $\hat{\Delta} \pm 0.05$ in) • Liftgate to quarter outer panel (b) 4.0 mm $\tilde{\Delta}$, $\hat{\Delta} \pm 1.0$ mm (0.16 in $\tilde{\Delta}$, $\hat{\Delta} \pm 0.04$ in) • Liftgate to rear body structure stop lamp (c) 4.0 mm $\tilde{\Delta}$, $\hat{\Delta} \pm 1.5$ mm (0.16 in $\tilde{\Delta}$, $\hat{\Delta} \pm 0.05$ in) • Liftgate to rear bumper fascia (d) 5.5 mm $\tilde{\Delta}$, $\hat{\Delta} \pm 1.5$ mm (0.22 in $\tilde{\Delta}$, $\hat{\Delta} \pm 0.05$ in) Tighten 22 N.m (16 lb ft)

LIFTGATE ADJUSTMENT (TERRAIN)



Fig. 55: Liftgate (Terrain)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Liftgate CAUTION: Refer to Fastener Caution . Procedure 1. Loosen the 4 liftgate hinge bolts to adjust the liftgate. 2. Adjust the liftgate in order to obtain an even gap between the liftgate and the roof, the quarter outer panel, the tail lamp and rear bumper fascia and so that the liftgate is flush with the roof, the quarter outer panel, the tail lamp and rear bumper fascia. Adjustment: • Liftgate to roof (a) 5.5 mm $\tilde{\Delta}\pm 1.0$ mm (0.22 in $\tilde{\Delta}\pm 0.05$ in) • Liftgate to quarter outer panel (b) 4.0 mm $\tilde{\Delta}\pm 1.0$ mm (0.16 in $\tilde{\Delta}\pm 0.04$ in) • Liftgate to rear body structure stop lamp (c) 4.0 mm $\tilde{\Delta}\pm 1.5$ mm (0.16 in $\tilde{\Delta}\pm 0.05$ in) • Liftgate to rear bumper fascia (d) 5.5 mm $\tilde{\Delta}\pm 1.5$ mm (0.22 in $\tilde{\Delta}\pm 0.05$ in) Tighten 22 N.m (16 lb ft)

LIFTGATE REPLACEMENT (EQUINOX)

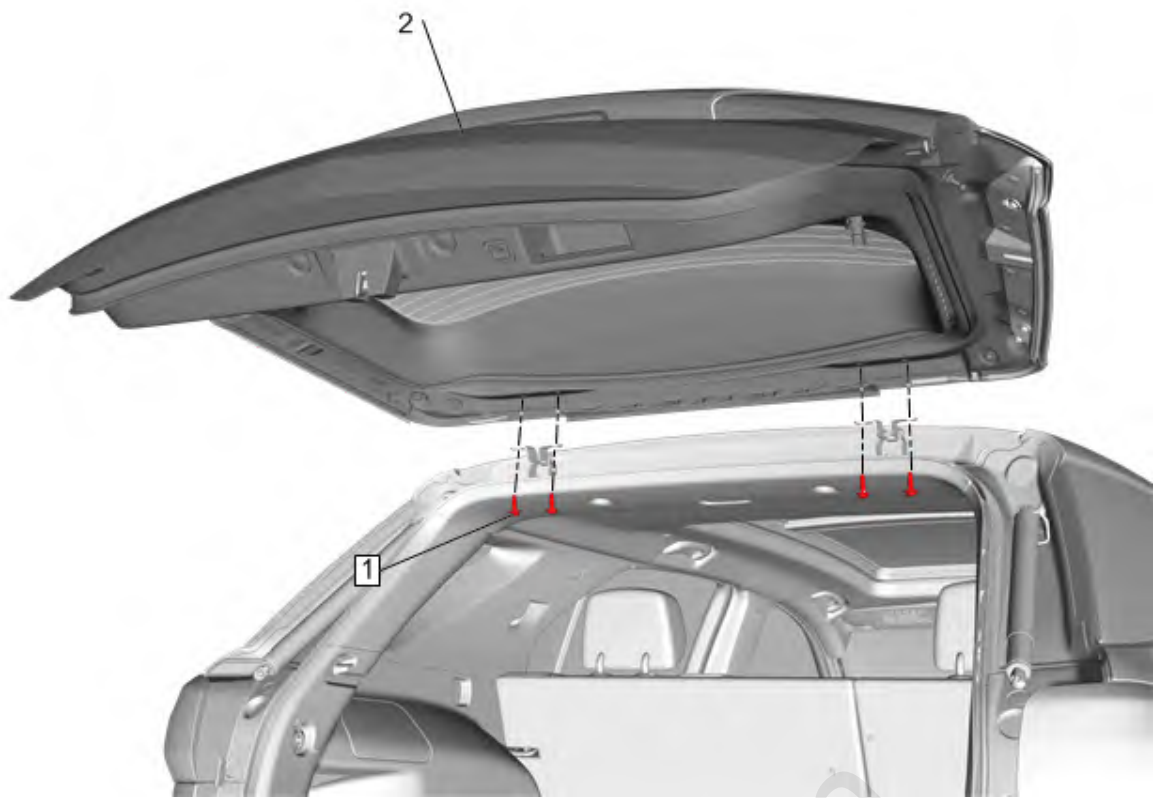


Fig. 56: Liftgate (Equinox)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
WARNING: When a lift gate 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 Liftgate Strut Replacement (Terrain) Rear End Spoiler Replacement (Terrain) Liftgate Upper Center Trim Finish Panel Replacement	
1	Liftgate Hinge Bolt [4x] CAUTION: Refer to Fastener Caution . Tighten 22 N.m (16 lb ft)
2	Liftgate Procedure - With the aid of an assistant, remove the liftgate. - Disconnect all electrical connectors. - Transfer components as necessary.

LIFTGATE REPLACEMENT (TERRAIN)

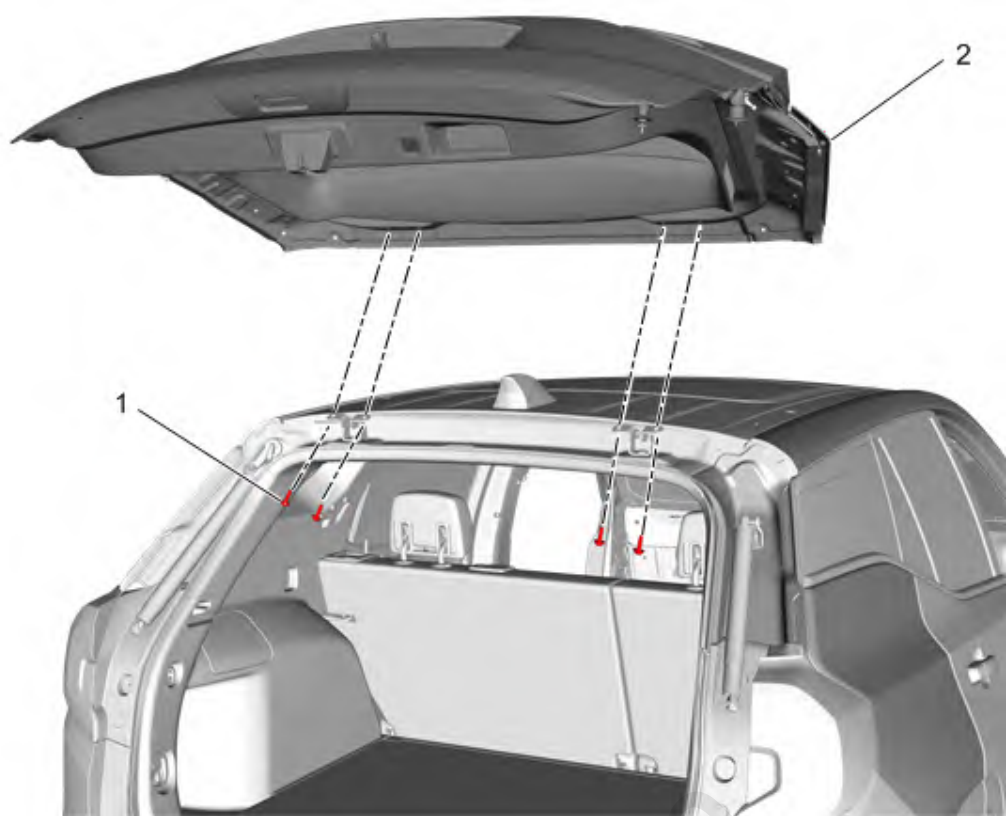


Fig. 57: Liftgate (Terrain)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
WARNING: When a lift gate 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 1. Liftgate Strut Replacement (Terrain) 2. Disconnect all electrical connectors.	
1	Liftgate Hinge Bolt [4x] CAUTION: Refer to Fastener Caution . Tighten 22 N.m (16 lb ft)
2	Liftgate Procedure 1. With the aid of an assistant, remove the liftgate. 2. Transfer components as necessary.

FRONT SIDE DOOR WIRING HARNESS REPLACEMENT

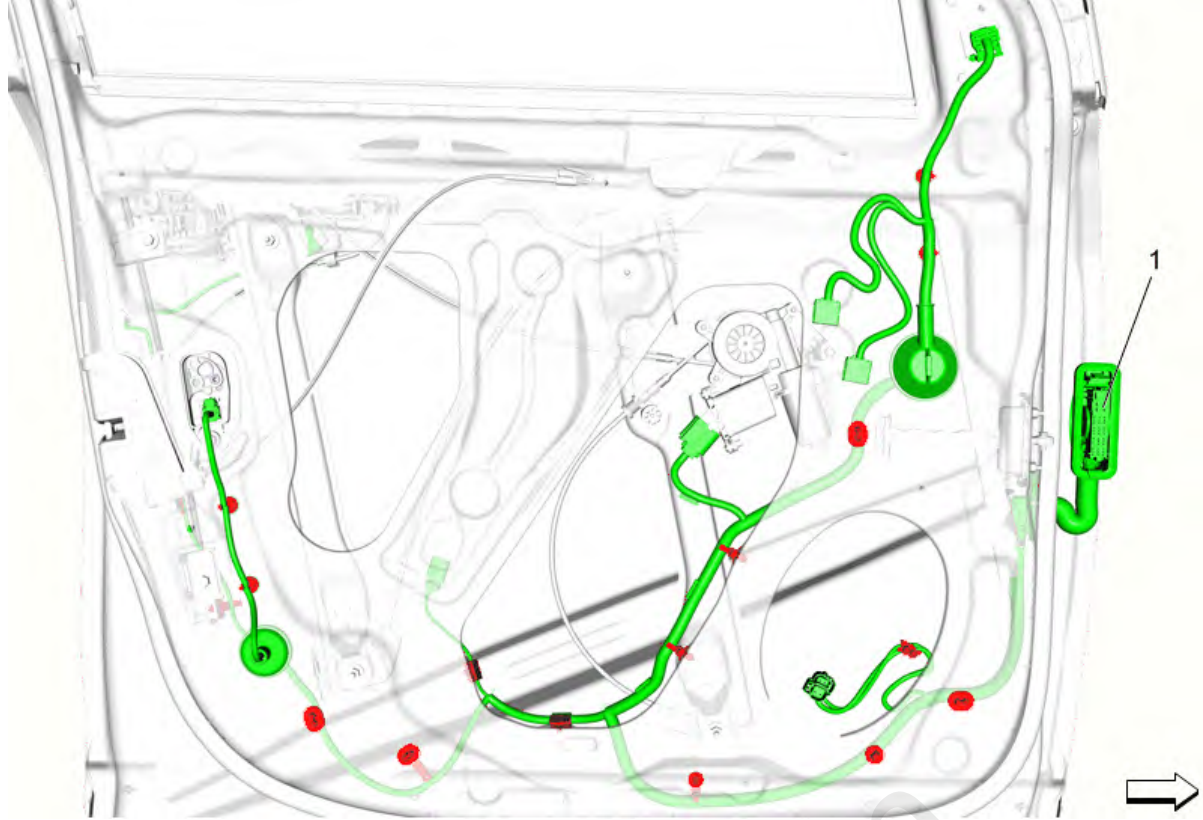


Fig. 58: Front Side Door Wiring Harness
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Radio Front Side Door Speaker Replacement</u>	
1	Front Side Door Wiring Harness Procedure Disconnect the front side door wiring harness electrical connector from the body harness.

REAR SIDE DOOR WIRING HARNESS REPLACEMENT

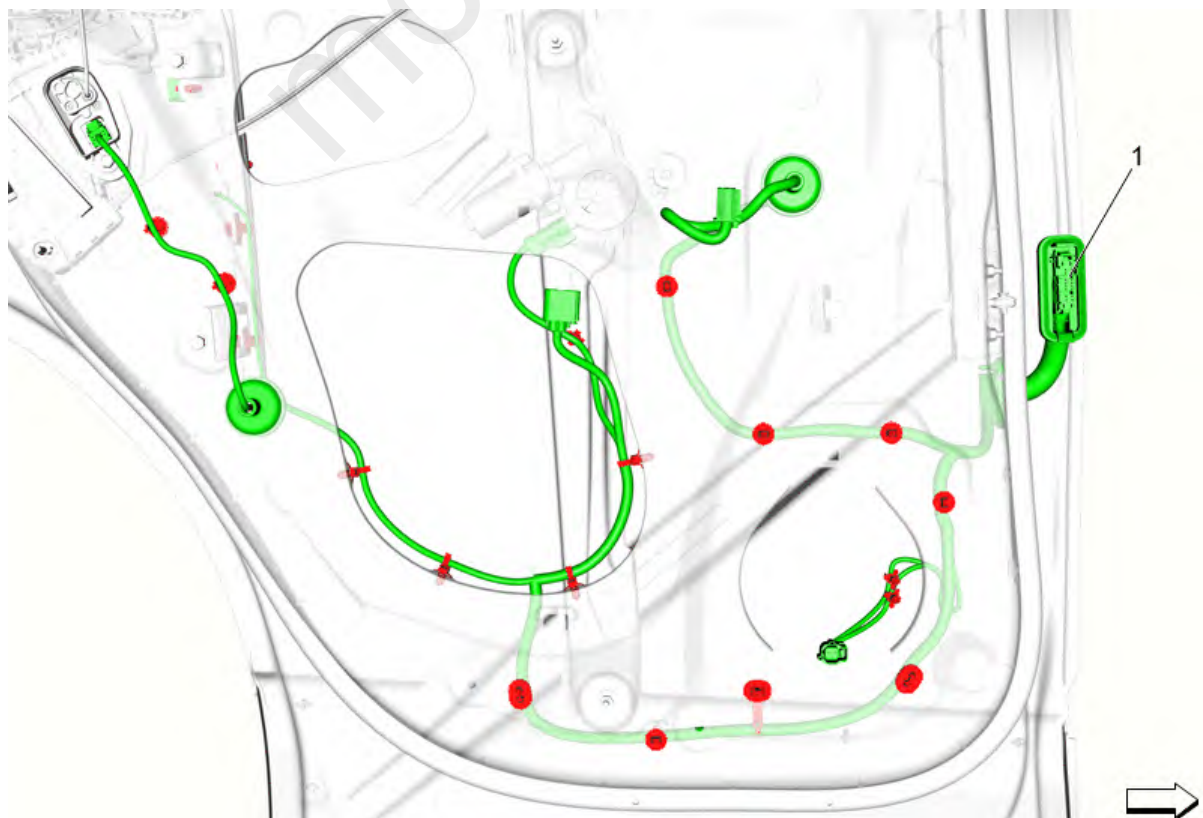


Fig. 59: Rear Side Door Wiring Harness
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. <u>Radio Rear Side Door Speaker Replacement</u> 2. <u>Rear Side Door Water Deflector Replacement (Equinox)</u>, <u>Rear Side Door Water Deflector Replacement (Terrain)</u>	
1	Rear Side Door Wiring Harness Procedure Disconnect the rear side door wiring harness electrical connector from the body harness.

HOOD PRIMARY LATCH RELEASE CABLE HANDLE REPLACEMENT

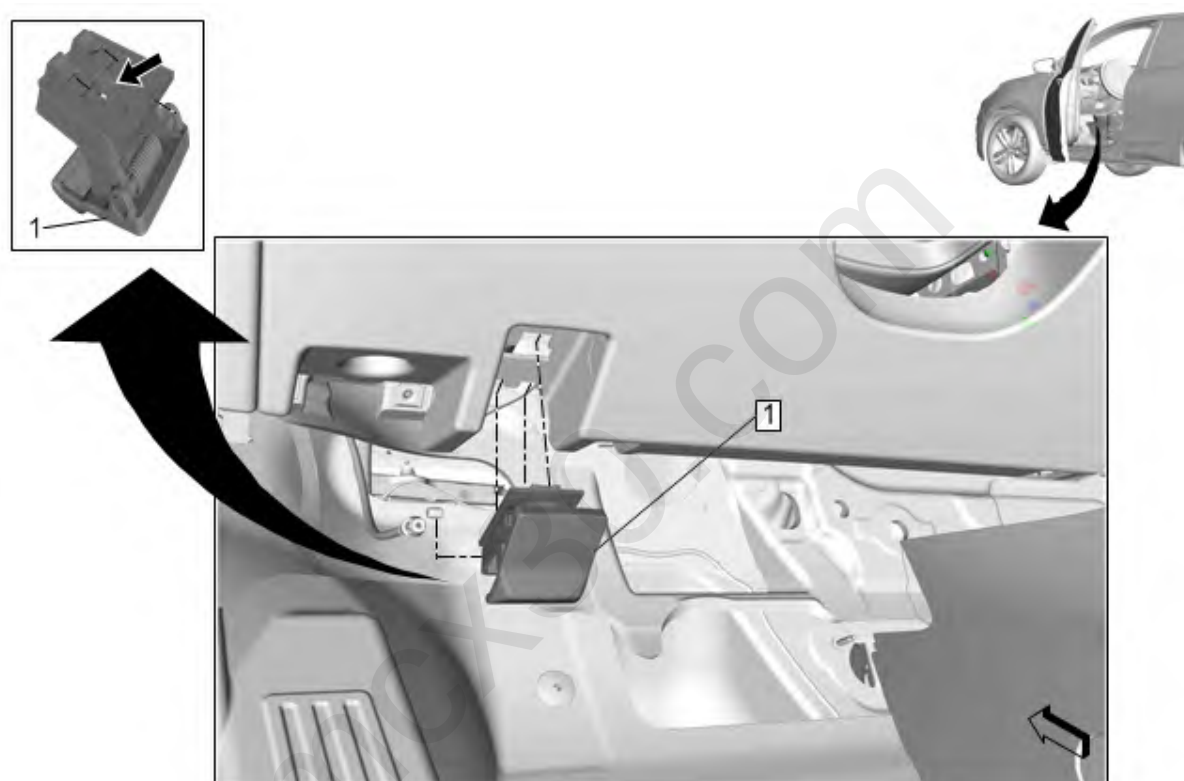


Fig. 60: Hood Primary Latch Release Cable Handle
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood Primary Latch Release Cable Handle Procedure 1. Press the release cable handle inward/downward to release the retainers from the instrument panel. 2. Disconnect the hood release cable from the hood release handle.

FRONT SIDE DOOR UPPER HINGE AND LOWER HINGE REPLACEMENT - LEFT SIDE

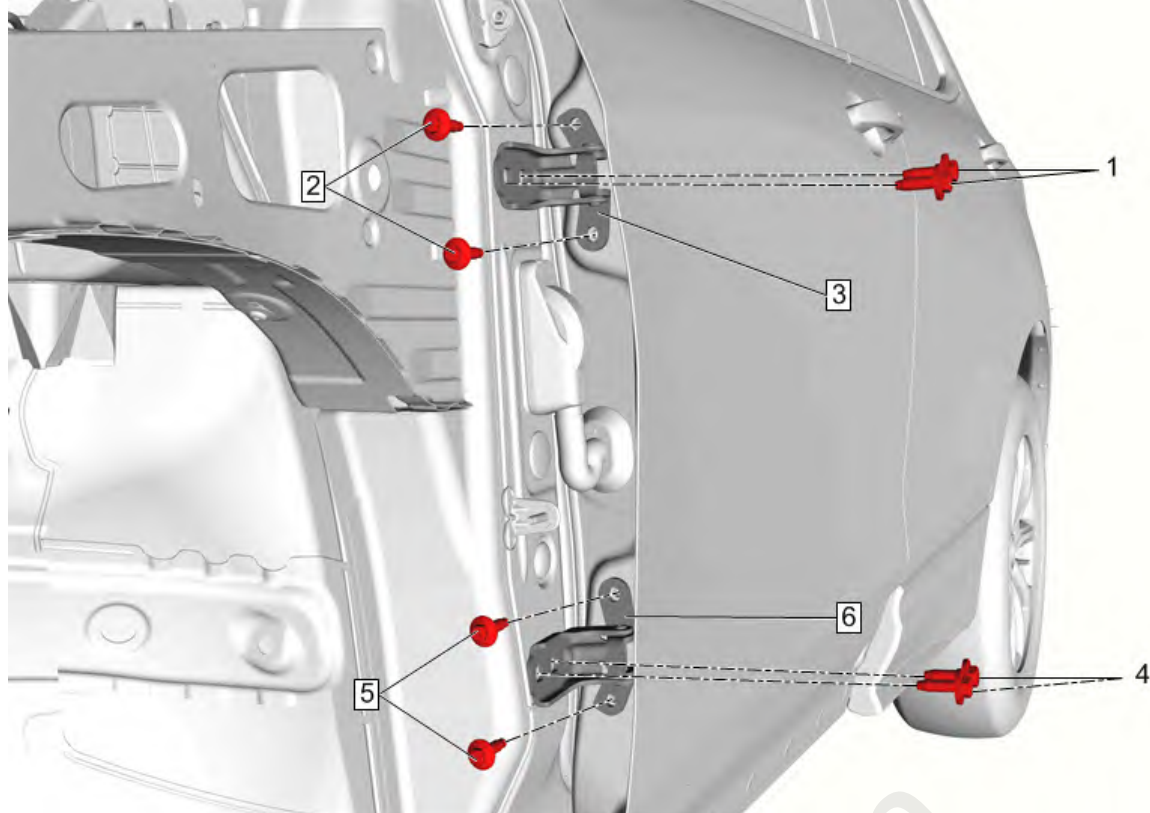


Fig. 61: Front Side Door Upper Hinge and Lower Hinge
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Apply masking tape to the edges of the door. 2. Front Fender Replacement (Equinox)Front Fender Replacement (Terrain) 3. Mark the location of the hinge with a grease pencil before removing the bolts.	
1	Front Side Door Hinge Bolt to Body [2x] CAUTION: Refer to Fastener Caution . Procedure 1. Keep the door in the closed position. 2. Replace one hinge at a time. Tighten 32 N.m (24 lb ft)
2	Front Side Door Hinge Bolt to Door [2x] Tighten 25 N.m (18 lb ft)
3	Front Side Door Upper Hinge
4	Front Side Door Hinge Bolt to Body [2x] Tighten 32 N.m (24 lb ft)
5	Front Side Door Hinge Bolt to Door [2x] Tighten 25 N.m (18 lb ft)
6	Front Side Door Lower Hinge Procedure Front Side Door Adjustment

HOOD HINGE REPLACEMENT

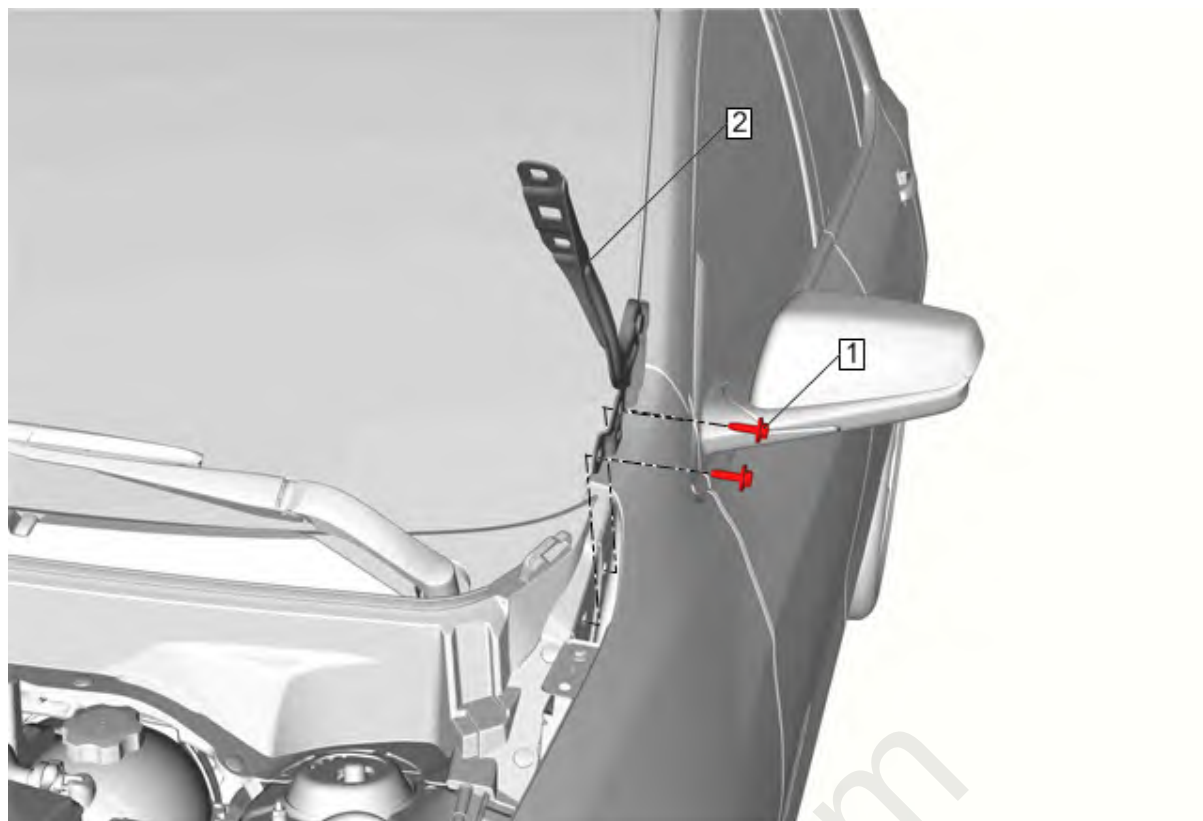


Fig. 62: Hood Hinge

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Hood Replacement (Equinox) Hood Replacement (Terrain) 2. Air Inlet Grille Panel Replacement	
1	Hood Hinge Bolt [2x] CAUTION: Refer to Fastener Caution . Tighten 22 N.m (16 lb ft)
2	Hood Hinge

LIFTGATE HINGE REPLACEMENT



Fig. 63: Liftgate Hinge

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures <u>Liftgate Replacement (Equinox)</u><u>Liftgate Replacement (Terrain)</u> - Lower the rear of the headliner to access the nuts. Refer to <u>Headlining Trim Panel Replacement</u> - Mark the position of the hinges with a grease pencil.	
1	Liftgate Hinge Nut [2x] CAUTION: Refer to <u>Fastener Caution</u> . Tighten 58 N.m (43 lb ft)
2	Liftgate Hinge [2x] Procedure <u>Liftgate Adjustment (Equinox)</u> <u>Liftgate Adjustment (Terrain)</u>

REAR SIDE DOOR UPPER HINGE AND LOWER HINGE REPLACEMENT

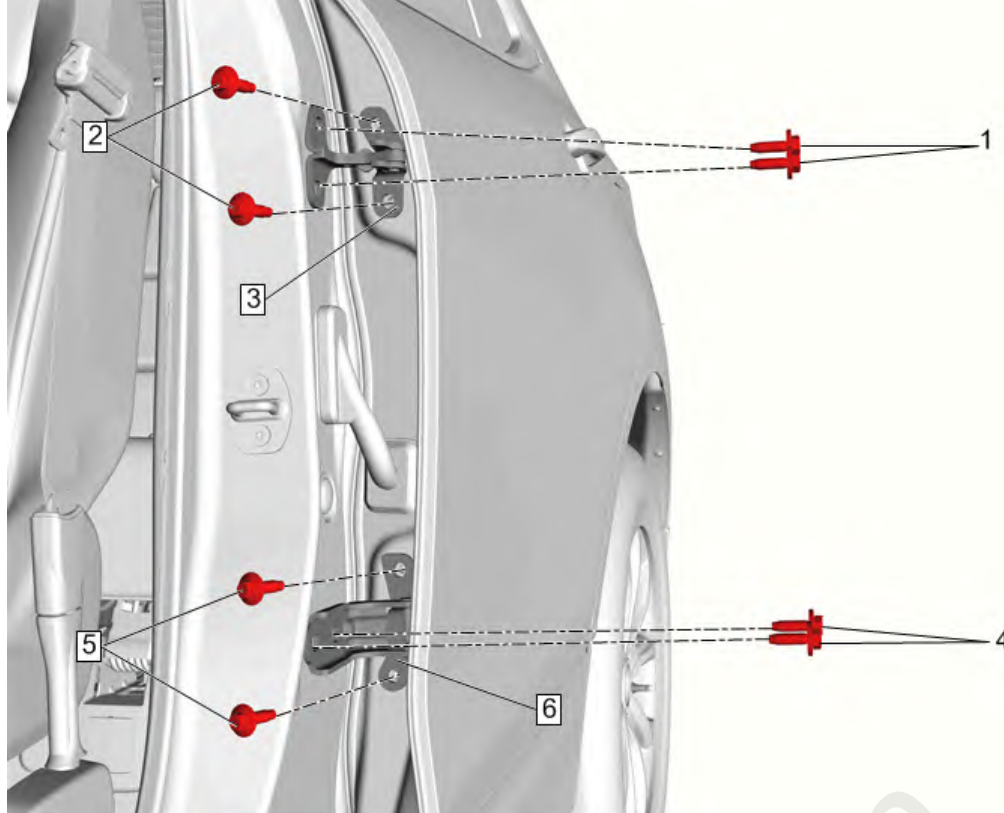


Fig. 64: Rear Side Door Upper Hinge And Lower Hinge
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Apply masking tape to the edges of the door. 2. Mark the location of the hinge before removing the bolts with a grease pencil.	
1	Rear Side Door Hinge Bolt to Body [2x] CAUTION: Refer to Fastener Caution . Procedure 1. Keep the door in the closed position. 2. Replace one hinge at a time. Tighten 32 N.m (24 lb ft)
2	Rear Side Door Hinge Bolt to Door [2x] Tighten 25 N.m (18 lb ft)
3	Rear Side Door Upper Hinge
4	Rear Side Door Hinge Bolt to Body [2x] Tighten 32 N.m (24 lb ft)
5	Rear Side Door Hinge Bolt to Door [2x] Tighten 25 N.m (18 lb ft)
6	Rear Side Door Lower Hinge Procedure Rear Side Door Adjustment

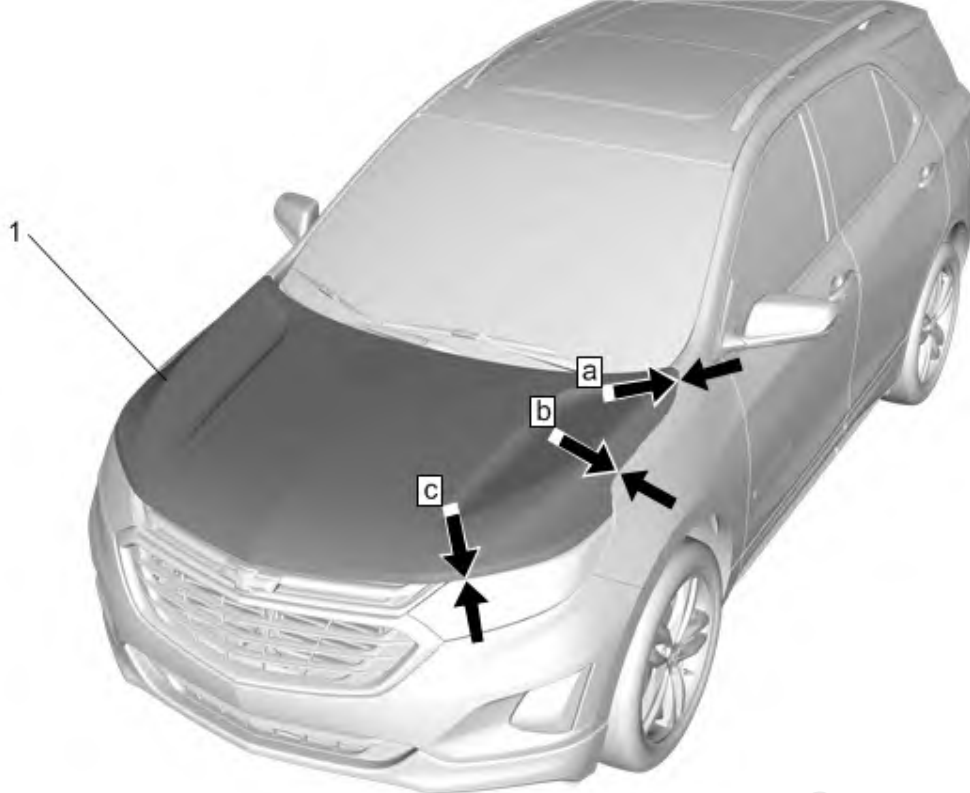


Fig. 65: Hood (Equinox)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood CAUTION: Refer to Fastener Caution . Procedure 1. Loosen the 4 hood hinge nuts. 2. Adjust the hood in order to obtain an even gap on both sides between the hood and the fenders, the front grille and headlamps. 3. Loosen and adjust the hood primary and secondary latch and the hood bumpers as necessary to obtain the adjustment. Adjustment: • Hood to front fender (a) 3.0 mm $\tilde{\Delta}$, $\hat{\Delta} \pm .75$ mm (0.12 in $\tilde{\Delta}$, $\hat{\Delta} \pm 0.03$ in) • Hood to front fender (b) 3.0 mm $\tilde{\Delta}$, $\hat{\Delta} \pm .75$ mm (0.12 in $\tilde{\Delta}$, $\hat{\Delta} \pm 0.03$ in) • Hood to headlamp (c) 6.0 mm $\tilde{\Delta}$, $\hat{\Delta} \pm 1.5$ mm (0.23 in $\tilde{\Delta}$, $\hat{\Delta} \pm 0.06$ in) Tighten 22 N.m (16 lb ft)

HOOD ADJUSTMENT (TERRAIN)

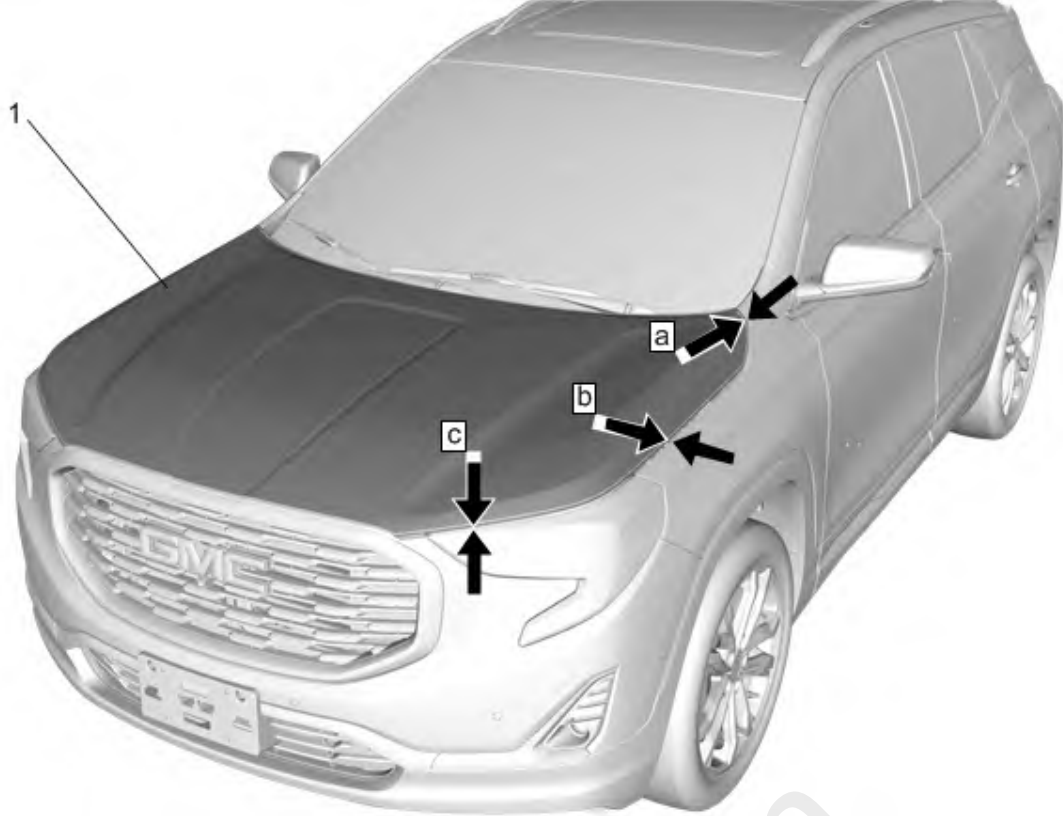


Fig. 66: Hood (Terrain).

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood CAUTION: Refer to Fastener Caution . Procedure 1. Loosen the 4 hood hinge nuts. 2. Adjust the hood in order to obtain an even gap on both sides between the hood and the fenders, the front grille and headlamps. 3. Loosen and adjust the hood primary and secondary latch and the hood bumpers as necessary to obtain the adjustment. Adjustment: • Hood to front fender (a) 3.0 mm $\tilde{\Delta}$, $\hat{\Delta}$±.75 mm (0.12 in $\tilde{\Delta}$, $\hat{\Delta}$± 0.03 in) • Hood to front fender (b) 3.0 mm $\tilde{\Delta}$, $\hat{\Delta}$±.75 mm (0.12 in $\tilde{\Delta}$, $\hat{\Delta}$± 0.03 in) • Hood to headlamp (c) 6.0 mm $\tilde{\Delta}$, $\hat{\Delta}$±.1.5 mm (0.23 in $\tilde{\Delta}$, $\hat{\Delta}$± 0.06 in) Tighten 22 N.m (16 lb ft)

HOOD REPLACEMENT (EQUINOX)

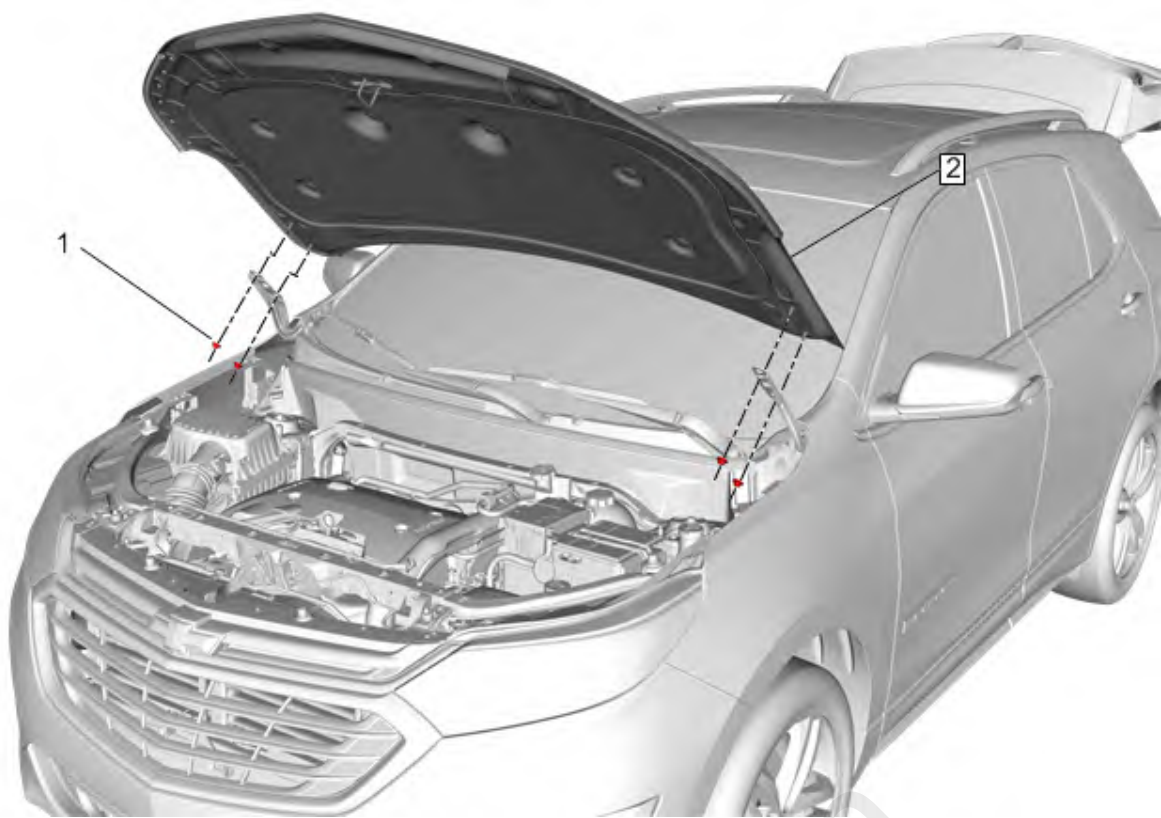


Fig. 67: Hood (Equinox)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood Hinge Nut [4x] CAUTION: Refer to Fastener Caution . Tighten 22 N.m (16 lb ft)
2	Hood Procedure 1. With the aid of an assistant, remove the hood. 2. Transfer components as necessary. 3. Hood - Adjust - Hood Adjustment (Equinox)Hood Adjustment (Terrain)

HOOD REPLACEMENT (TERRAIN)

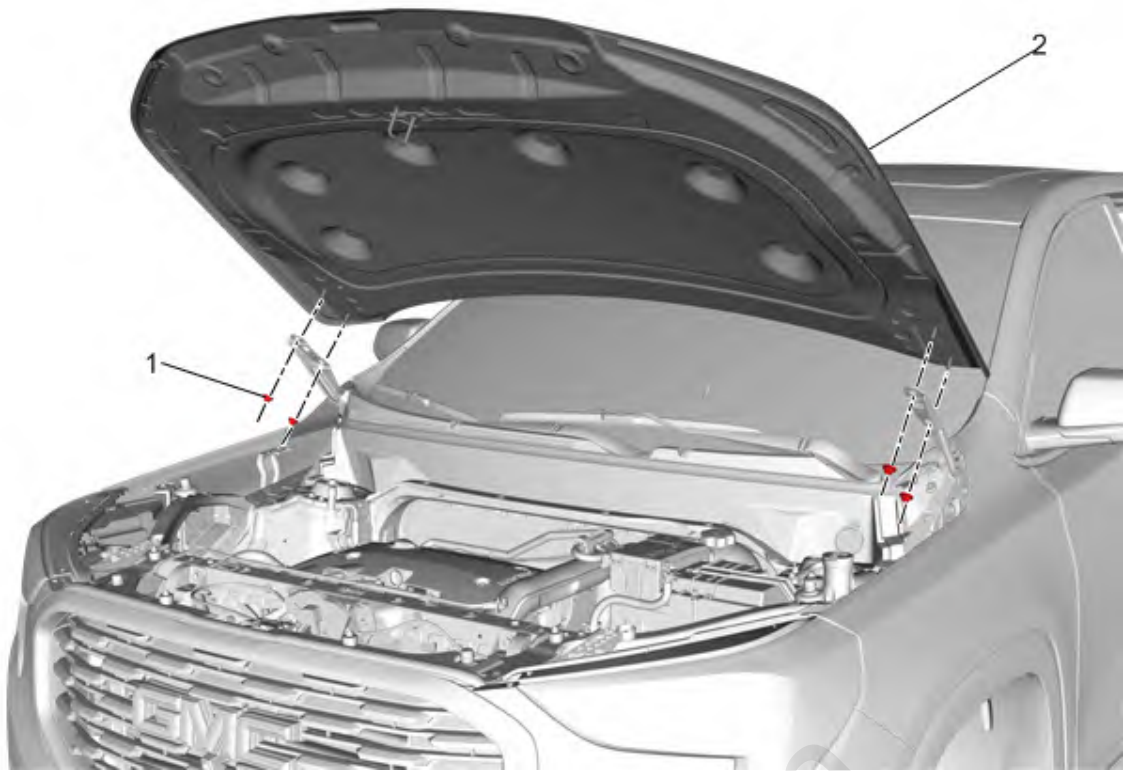


Fig. 68: Hood (Terrain).

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood Hinge Nut [4x] CAUTION: Refer to Fastener Caution . Tighten 22 N.m (16 lb ft)
2	Hood Procedure 1. With the aid of an assistant, remove the hood. 2. Transfer components as necessary. 3. Hood - Adjust - Hood Adjustment (Equinox)Hood Adjustment (Terrain).

FRONT FENDER INSULATOR REPLACEMENT (LEFT SIDE EQUINOX)

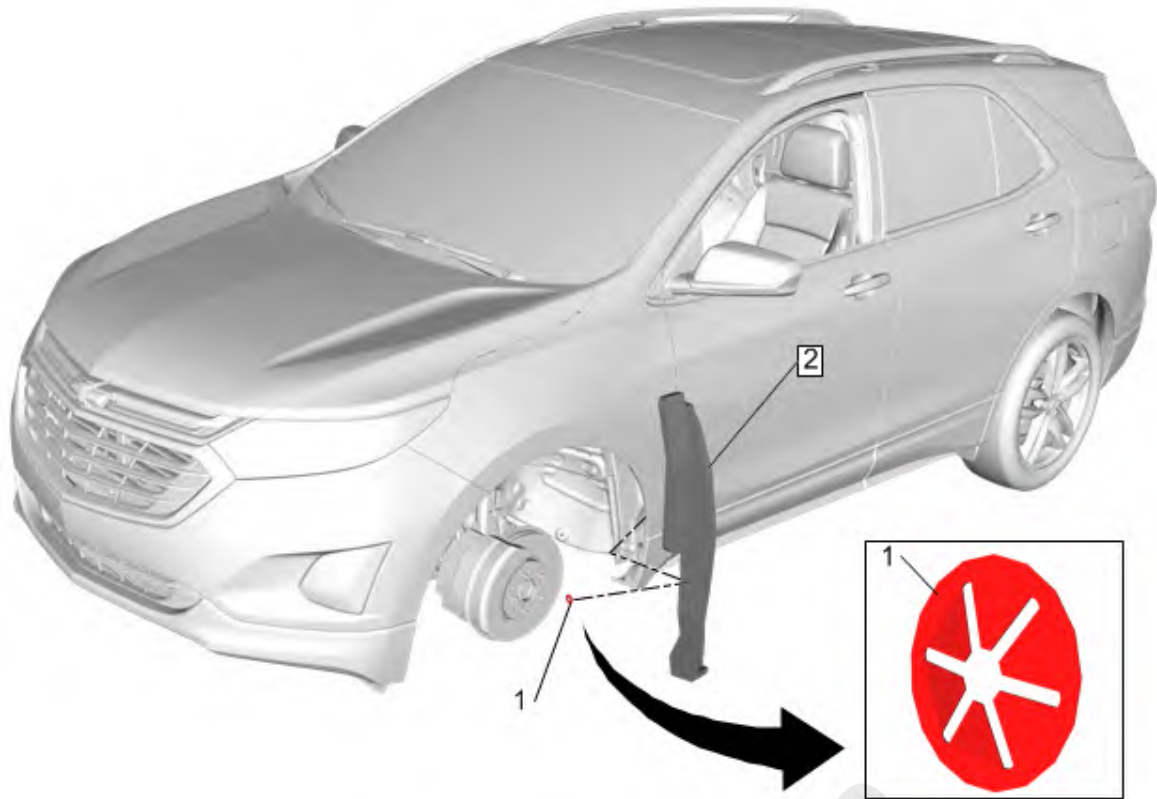


Fig. 69: Front Fender Insulator (Left Side Equinox)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure	
<u>Front Wheelhouse Liner Replacement - Left Side (Equinox)</u>	
1	Front Fender Insulator Retainer
2	Front Fender Insulator-Left Side
Procedure 1. Grasp the front fender insulator and pull out and down from the rear of the fender. 2. Firmly press the fender insulator into the rear of the fender until fully seated.	

FRONT FENDER INSULATOR REPLACEMENT (RIGHT SIDE EQUINOX)

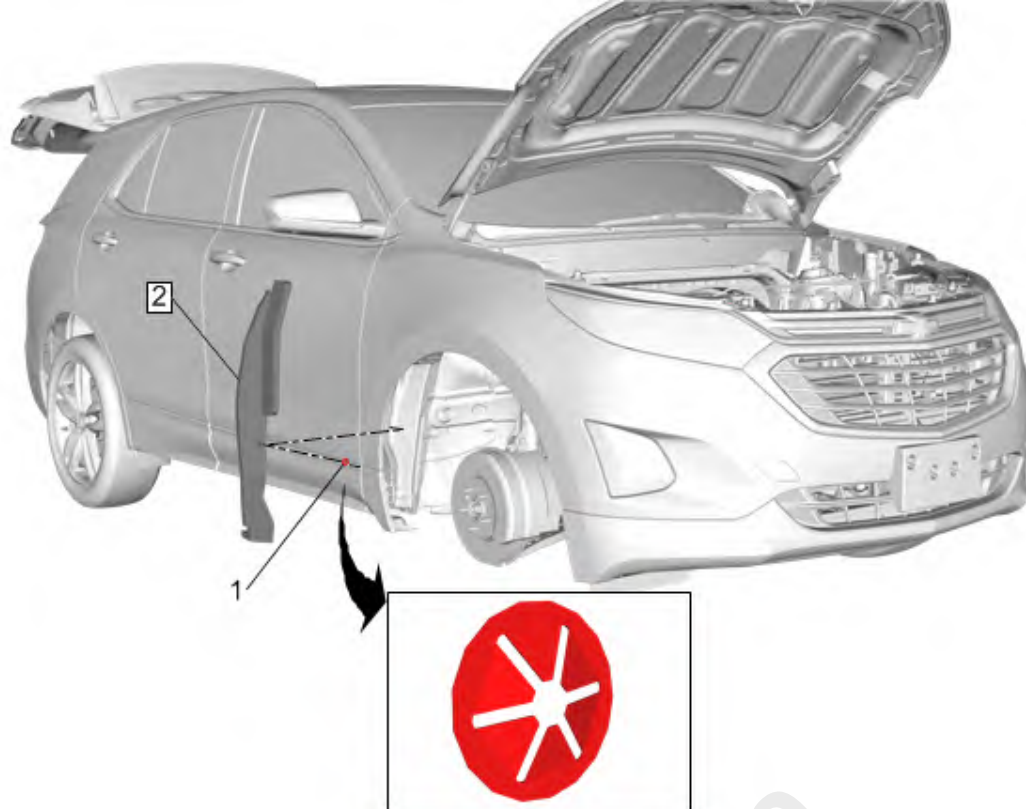


Fig. 70: Front Fender Insulator (Right Side Equinox)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure	
<u>Front Wheelhouse Liner Replacement - Right Side (Equinox)</u>	
1	Front Fender Insulator Retainer
2	Front Fender Insulator-Right Side
	Procedure 1. Grasp the front fender insulator and pull out and down from the rear of the fender. 2. Firmly press the fender insulator into the rear of the fender until fully seated.

FRONT FENDER INSULATOR REPLACEMENT (LEFT SIDE TERRAIN)

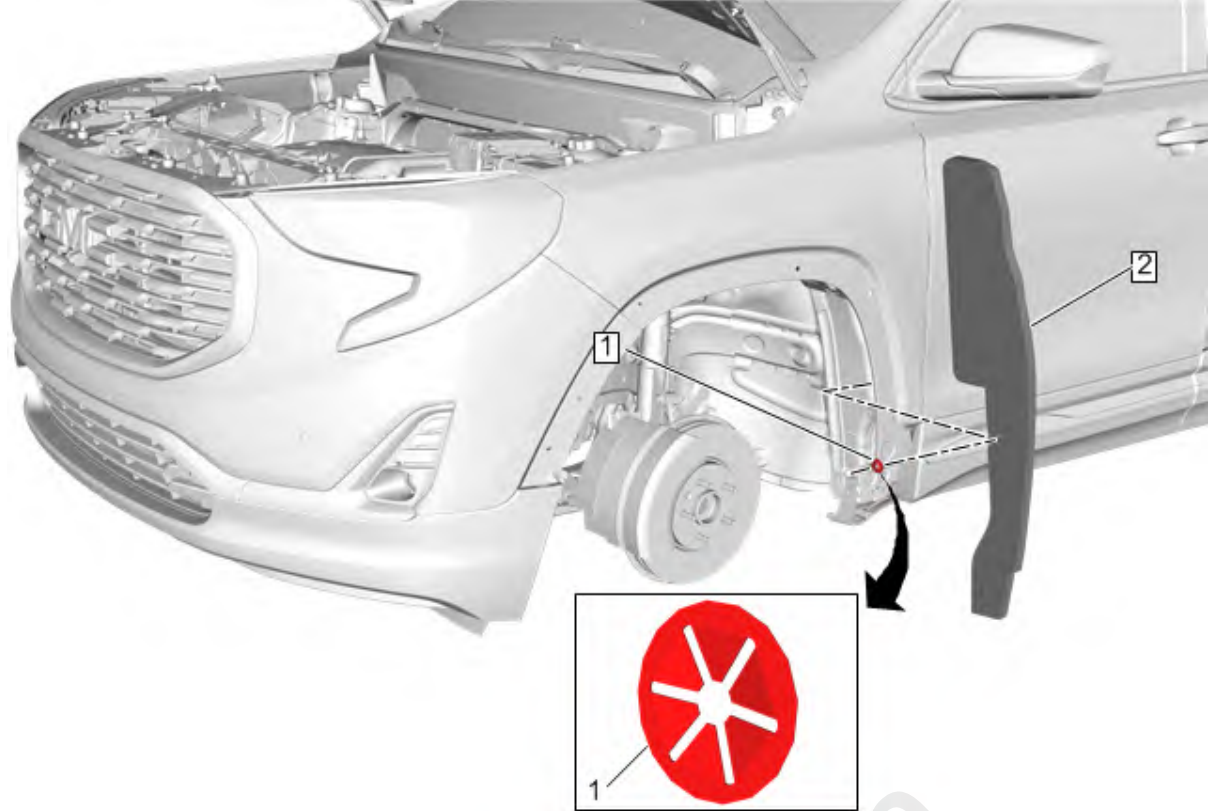


Fig. 71: Front Fender Insulator (Left Side Terrain)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure	
<u>Front Wheelhouse Liner Replacement - Left Side (Terrain)</u>	
1	Front Fender Insulator Retainer
2	Front Fender Insulator
	Procedure
	1. Grasp the front fender insulator and pull out and down from the rear of the fender. 2. Firmly press the fender insulator into the rear of the fender until fully seated.

FRONT FENDER INSULATOR REPLACEMENT (RIGHT SIDE TERRAIN)

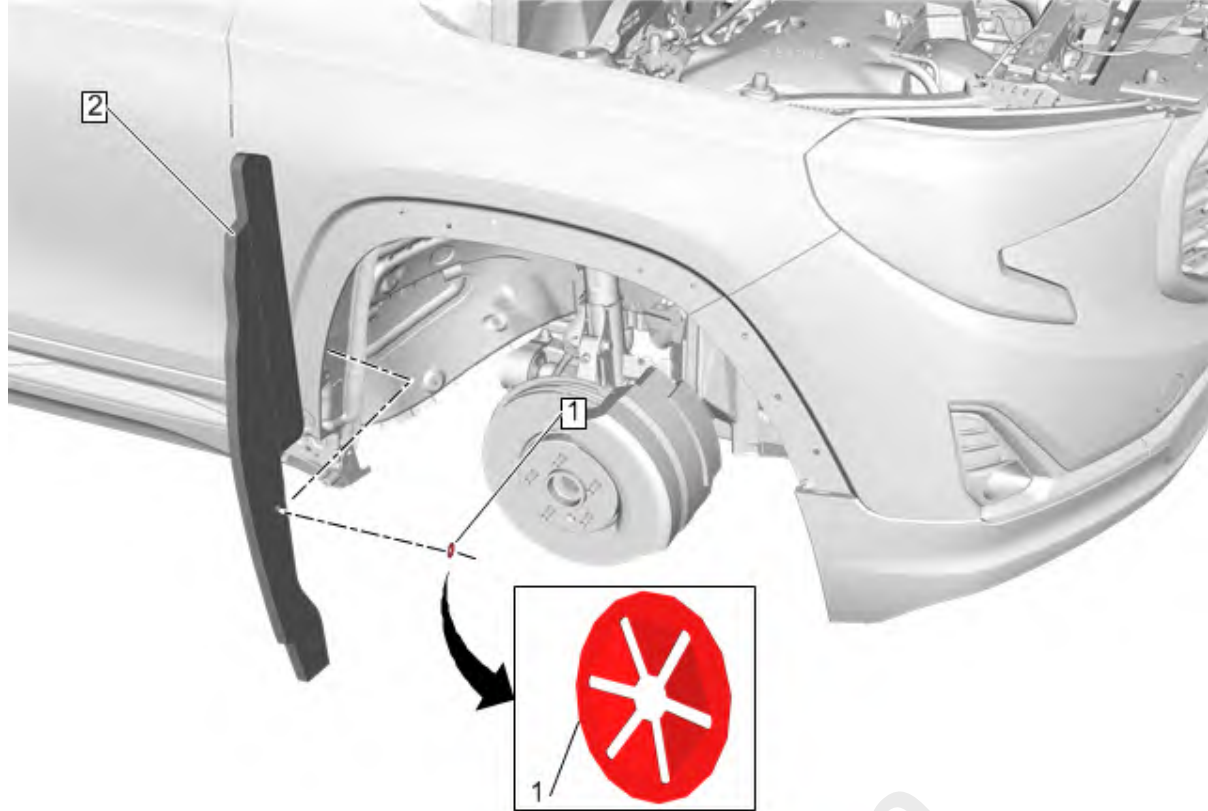


Fig. 72: Front Fender Insulator (Right Side Terrain).

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure	
<u>Front Wheelhouse Liner Replacement - Right Side (Terrain).</u>	
1	Front Fender Insulator Retainer
2	Front Fender Insulator Procedure 1. Grasp the front fender insulator and pull out and down from the rear of the fender. 2. Firmly press the fender insulator into the rear of the fender until fully seated.

HOOD INSULATOR REPLACEMENT (EQUINOX)

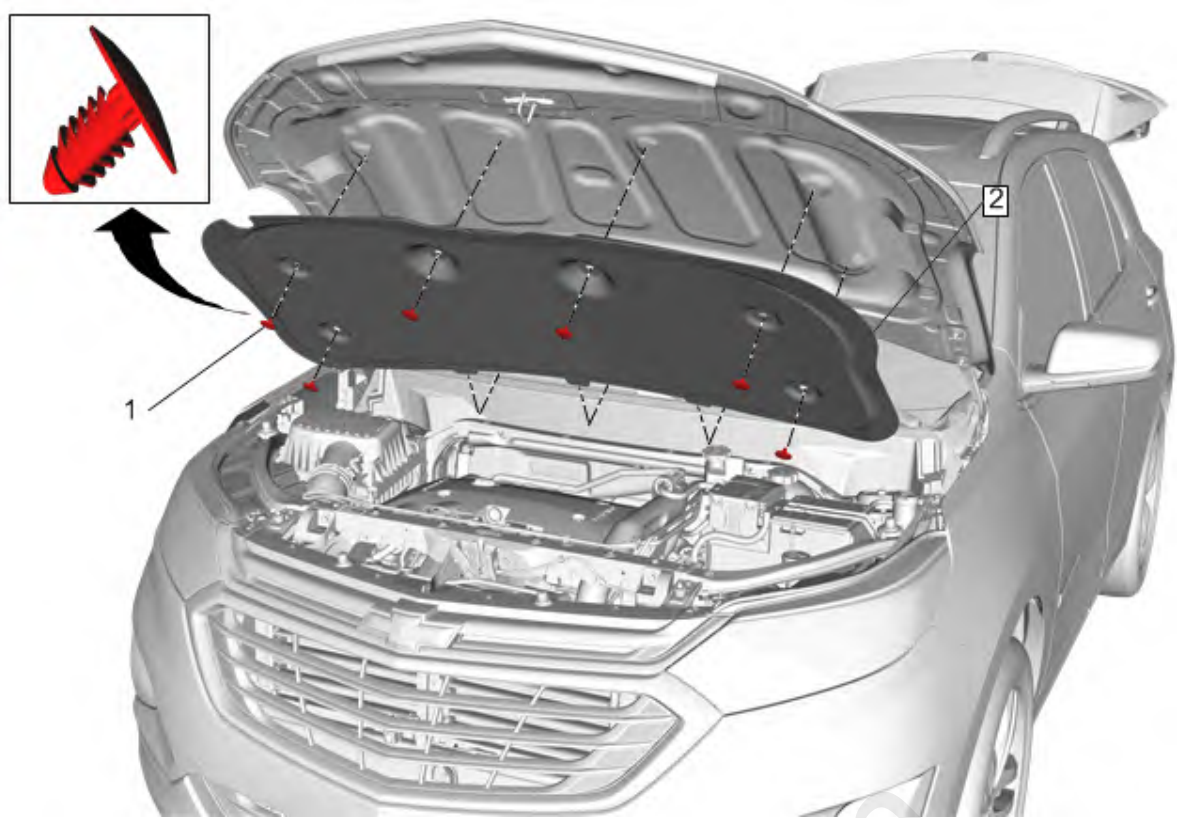


Fig. 73: Hood Insulator (Equinox)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood Insulator Retainer [6x]
2	Hood Insulator
Procedure Ensure the three lower integral tabs are secure to the hood.	

HOOD INSULATOR REPLACEMENT (Terrain)

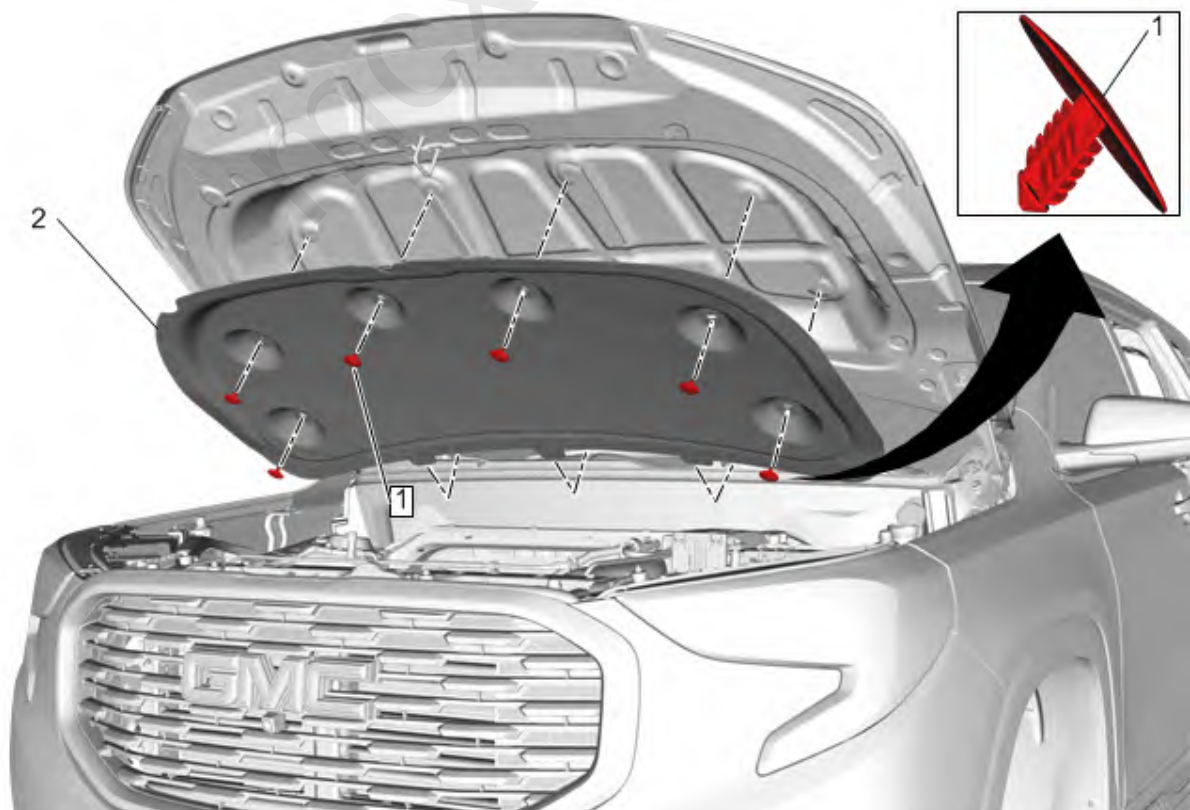


Fig. 74: Hood Insulator (Terrain)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood Insulator Retainer [6x]
2	Hood Insulator Procedure Ensure the three lower integral tabs are secure to the hood.

DASH PANEL OUTER INSULATOR REPLACEMENT

Removal Procedure

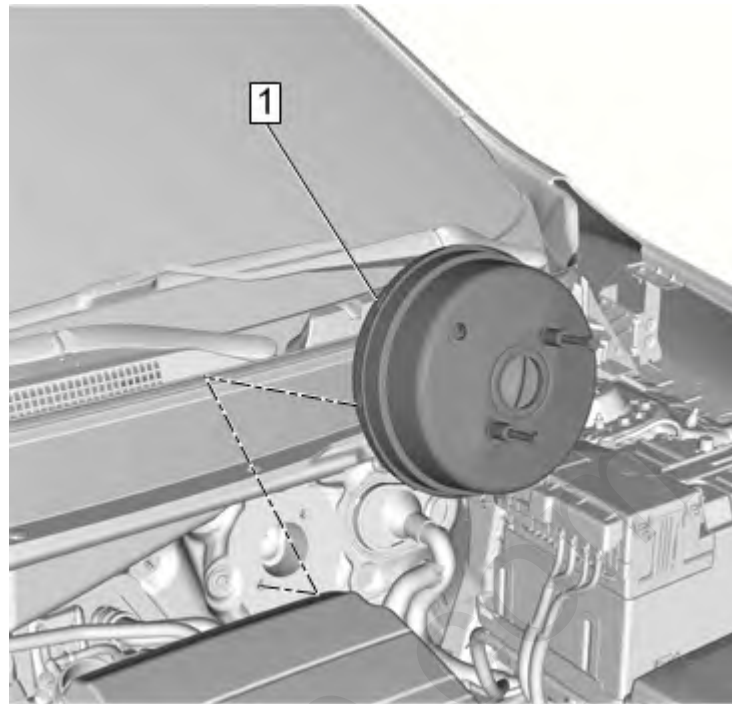


Fig. 75: Power Brake Booster

Courtesy of GENERAL MOTORS COMPANY

1. Remove Power Brake Booster (1) - Power Brake Booster Replacement (Without MHG), Power Brake Booster Replacement (With MHG).

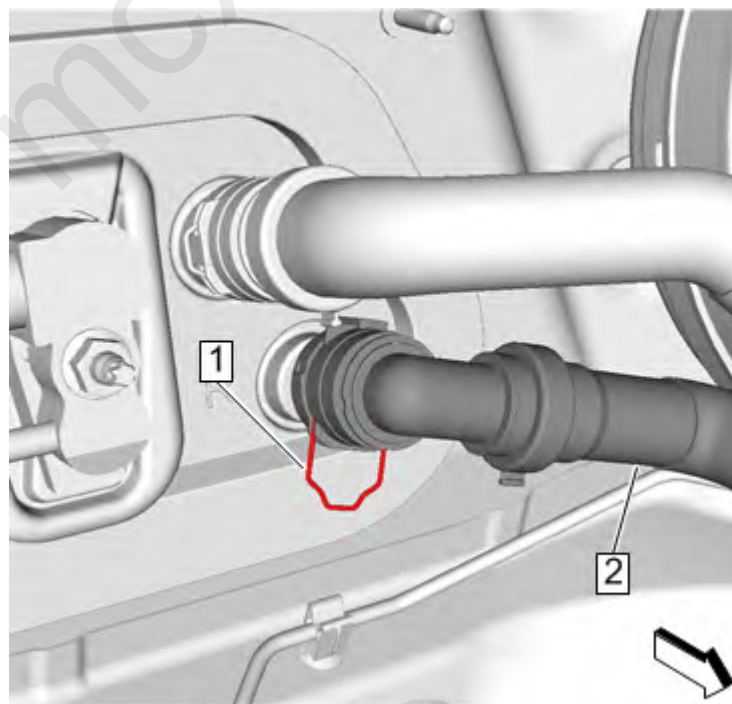


Fig. 76: Heater Outlet Hose

Courtesy of GENERAL MOTORS COMPANY

2. Disconnect Heater Outlet Hose (2) - Heater Outlet Hose Replacement (LYX without KL9), Heater Outlet Hose Replacement (LH7).

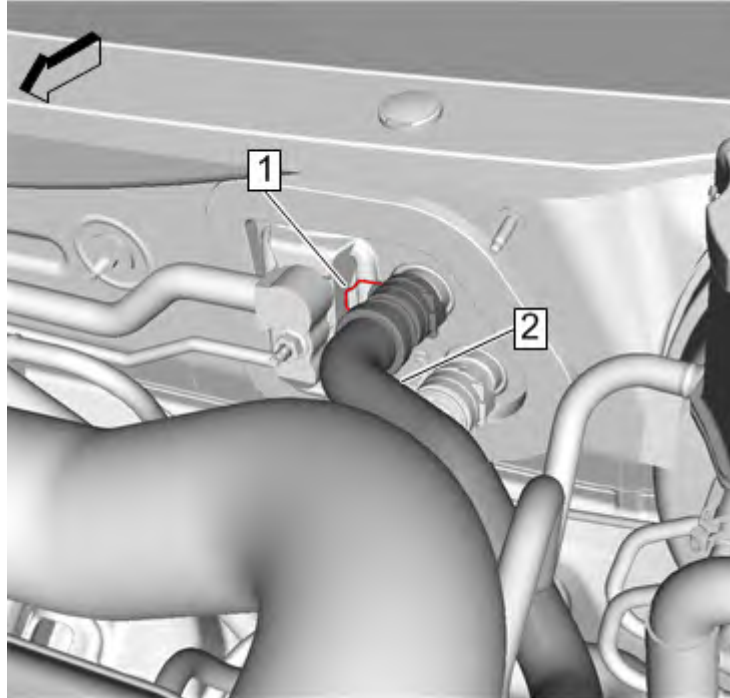


Fig. 77: Heater Inlet Hose

Courtesy of GENERAL MOTORS COMPANY

3. Disconnect Heater Inlet Hose (2) - [Heater Inlet Hose Replacement \(LYX AWD without KL9\)](#), [Heater Inlet Hose Replacement \(LYX with KL9\)](#), [Heater Inlet Hose Replacement \(LH7 Terrain\)](#), [Heater Inlet Hose Replacement \(LH7 Equinox\)](#), [Heater Inlet Hose Replacement \(LTG with KL9\)](#).

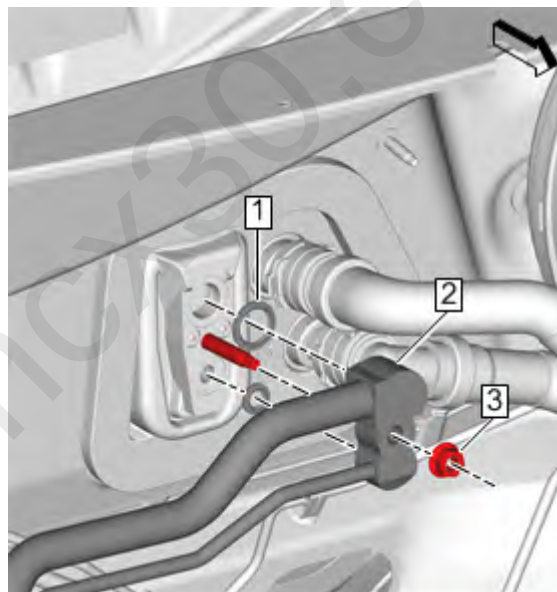


Fig. 78: Air Conditioning Refrigerant Heat Exchanger

Courtesy of GENERAL MOTORS COMPANY

4. Disconnect Air Conditioning Refrigerant Heat Exchanger (2) - [Air Conditioning Refrigerant Heat Exchanger Replacement \(LYX\)](#), [Air Conditioning Refrigerant Heat Exchanger Replacement \(LTG\)](#), [Air Conditioning Refrigerant Heat Exchanger Replacement \(LH7\)](#).

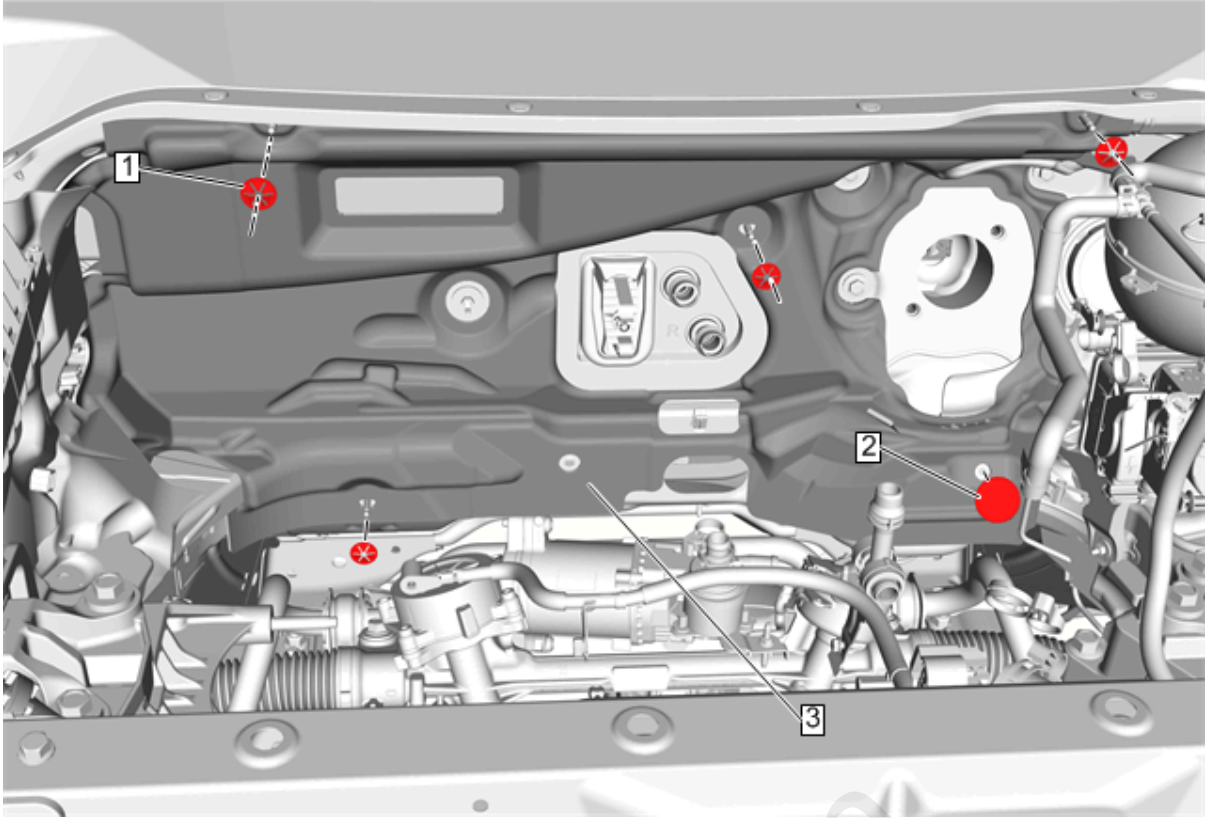


Fig. 79: Dash Panel Outer Insulator And Retainer
Courtesy of GENERAL MOTORS COMPANY

5. Remove Dash Panel Outer Insulator Retainer (1) - [4x]
6. Remove Dash Panel Outer Insulator Retainer Push In (2).
7. Remove Dash Panel Outer Insulator (3).

Installation Procedure

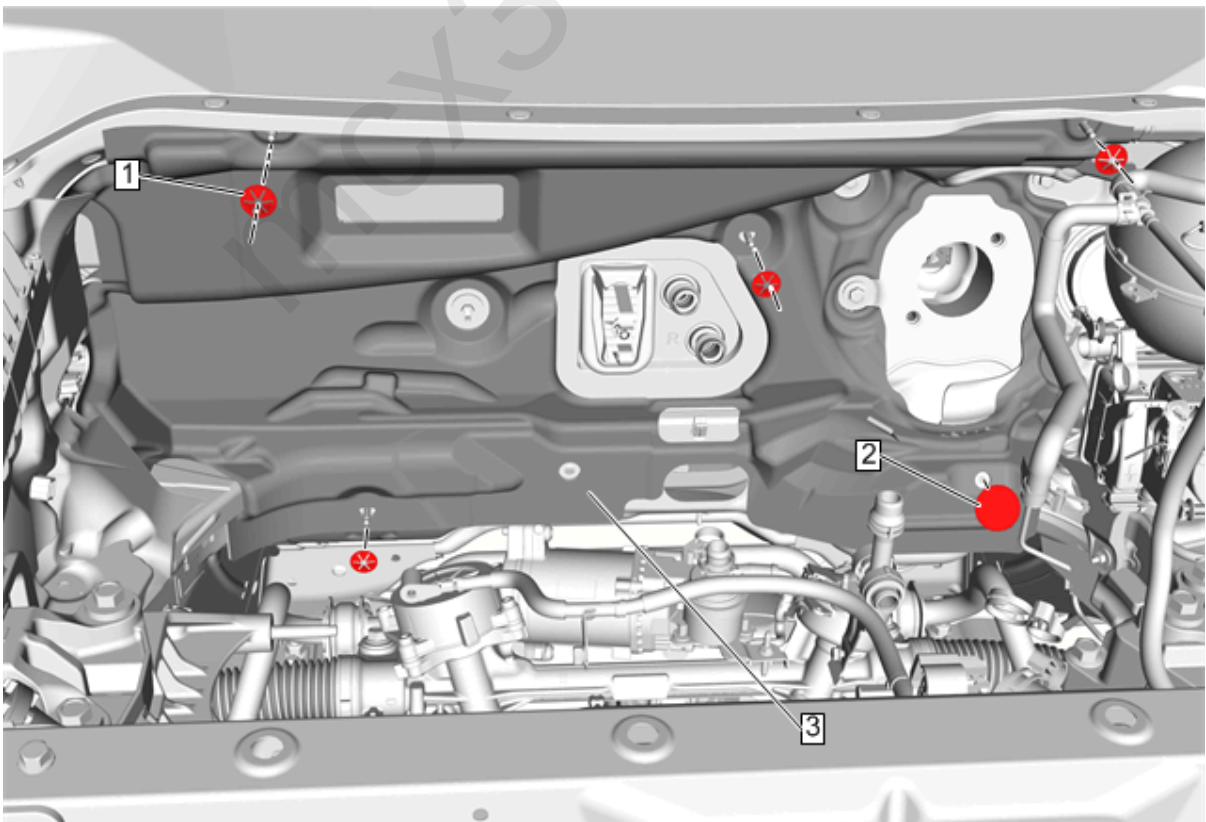


Fig. 80: Dash Panel Outer Insulator And Retainer
Courtesy of GENERAL MOTORS COMPANY

1. Install Dash Panel Outer Insulator (3).
2. Install Dash Panel Outer Insulator Retainer Push In (2).

3. Install Dash Panel Outer Insulator Retainer (1) - [4x]

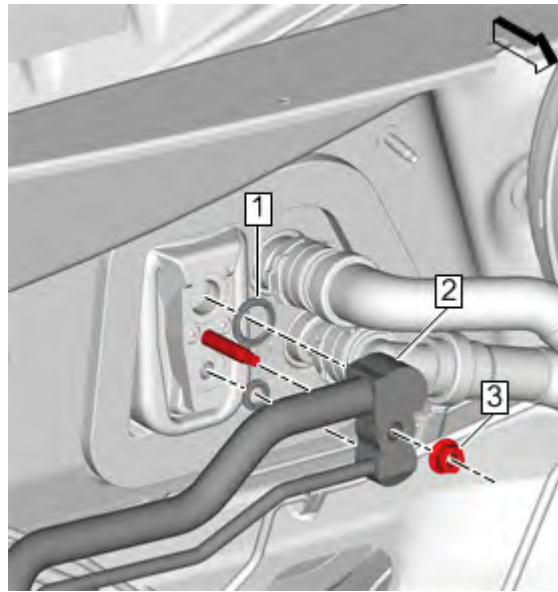


Fig. 81: Air Conditioning Refrigerant Heat Exchanger
Courtesy of GENERAL MOTORS COMPANY

4. Install Air Conditioning Refrigerant Heat Exchanger (2) [Air Conditioning Refrigerant Heat Exchanger Replacement \(LYX\)](#) [Air Conditioning Refrigerant Heat Exchanger Replacement \(LTG\)](#) [Air Conditioning Refrigerant Heat Exchanger Replacement \(LH7\)](#)

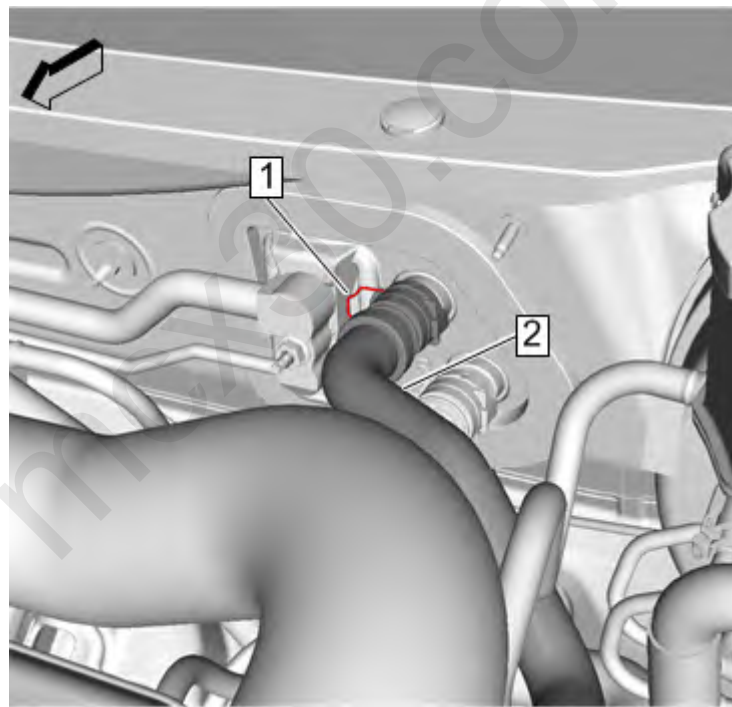


Fig. 82: Heater Inlet Hose
Courtesy of GENERAL MOTORS COMPANY

5. Install Heater Inlet Hose (2) - [Heater Inlet Hose Replacement \(LYX AWD without KL9\)](#) [Heater Inlet Hose Replacement \(LYX with KL9\)](#) [Heater Inlet Hose Replacement \(LH7 Terrain\)](#) [Heater Inlet Hose Replacement \(LH7 Equinox\)](#) [Heater Inlet Hose Replacement \(LTG with KL9\)](#)

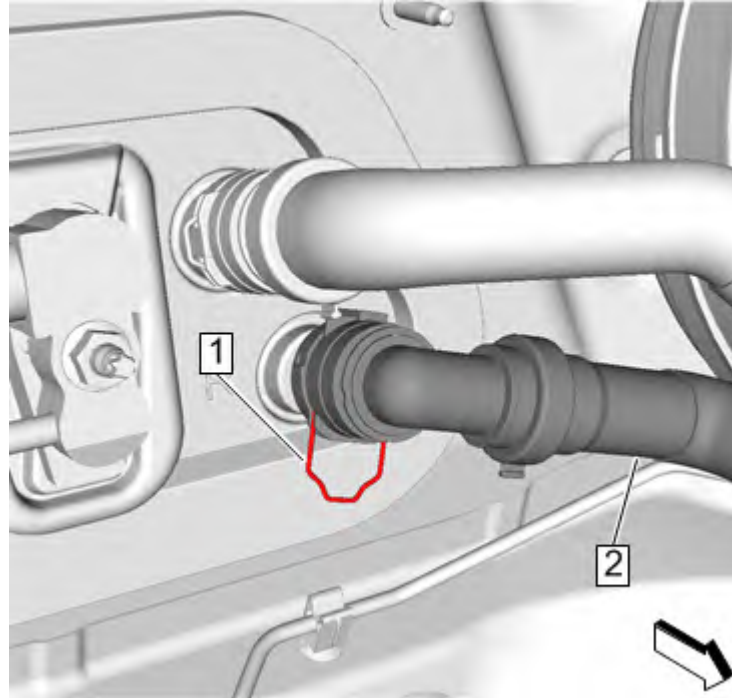


Fig. 83: Heater Outlet Hose

Courtesy of GENERAL MOTORS COMPANY

6. Install Heater Outlet Hose (2) - [Heater Outlet Hose Replacement \(LYX without KL9\)](#), [Heater Outlet Hose Replacement \(LH7\)](#).

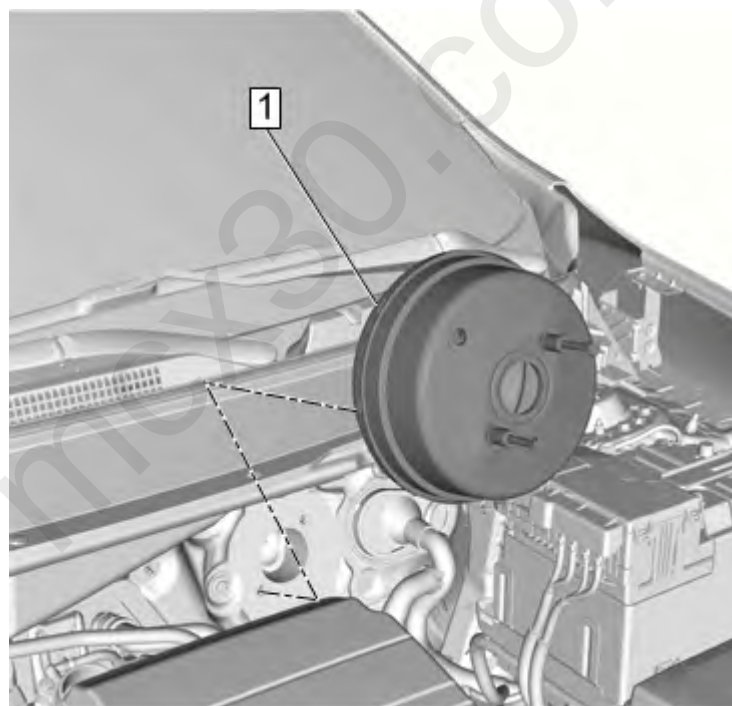


Fig. 84: Power Brake Booster

Courtesy of GENERAL MOTORS COMPANY

7. Install Power Brake Booster (1) - [Power Brake Booster Replacement \(Without MHG\)](#), [Power Brake Booster Replacement \(With MHG\)](#).

HOOD PRIMARY AND SECONDARY LATCH REPLACEMENT (EQUINOX)

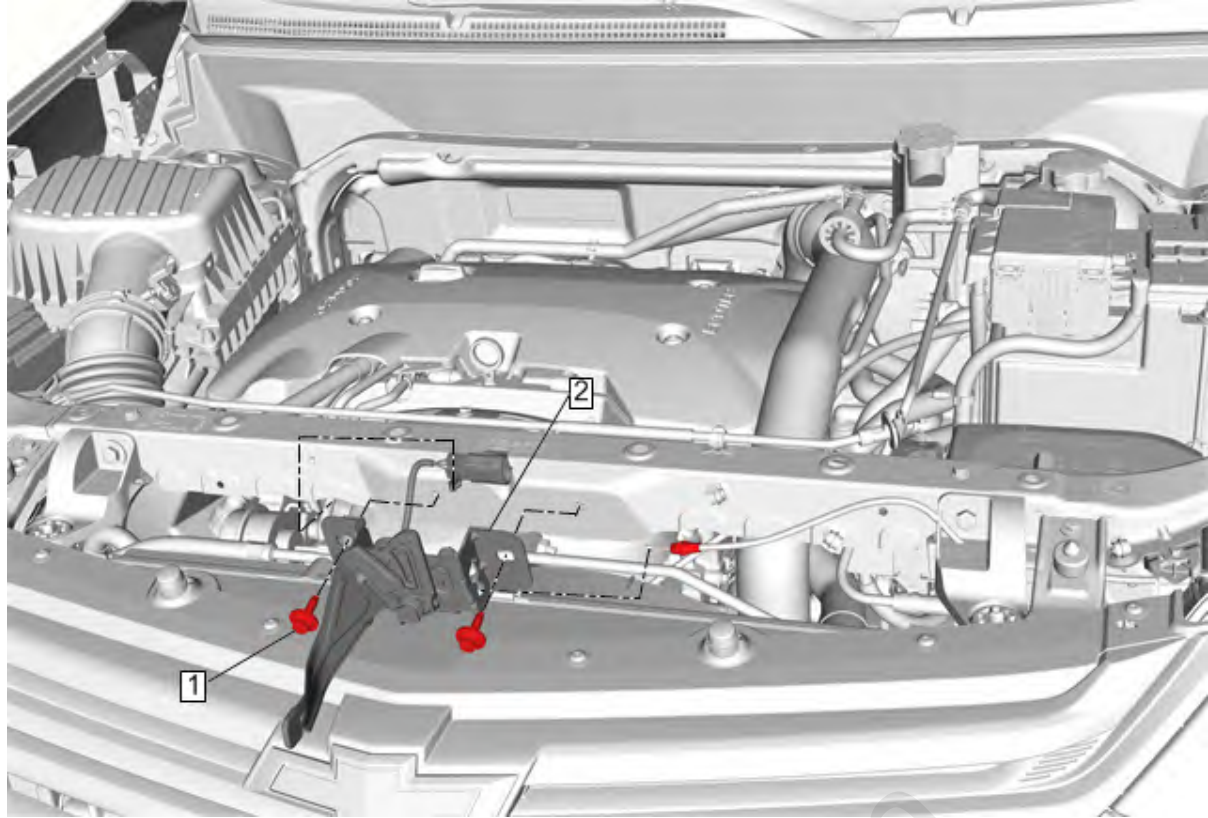


Fig. 85: Hood Primary And Secondary Latch (Equinox)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood Primary Latch Bolt [2x] CAUTION: Refer to Fastener Caution . Tighten 13 N.m (115 lb in)
2	Hood Primary Latch Procedure 1. Mark the position of the hood latch with a grease pencil. 2. Disconnect the release cable from the hood primary latch. 3. Disconnect the electrical connector. 4. Align the hood primary latch if necessary.

HOOD PRIMARY AND SECONDARY LATCH REPLACEMENT (TERRAIN)

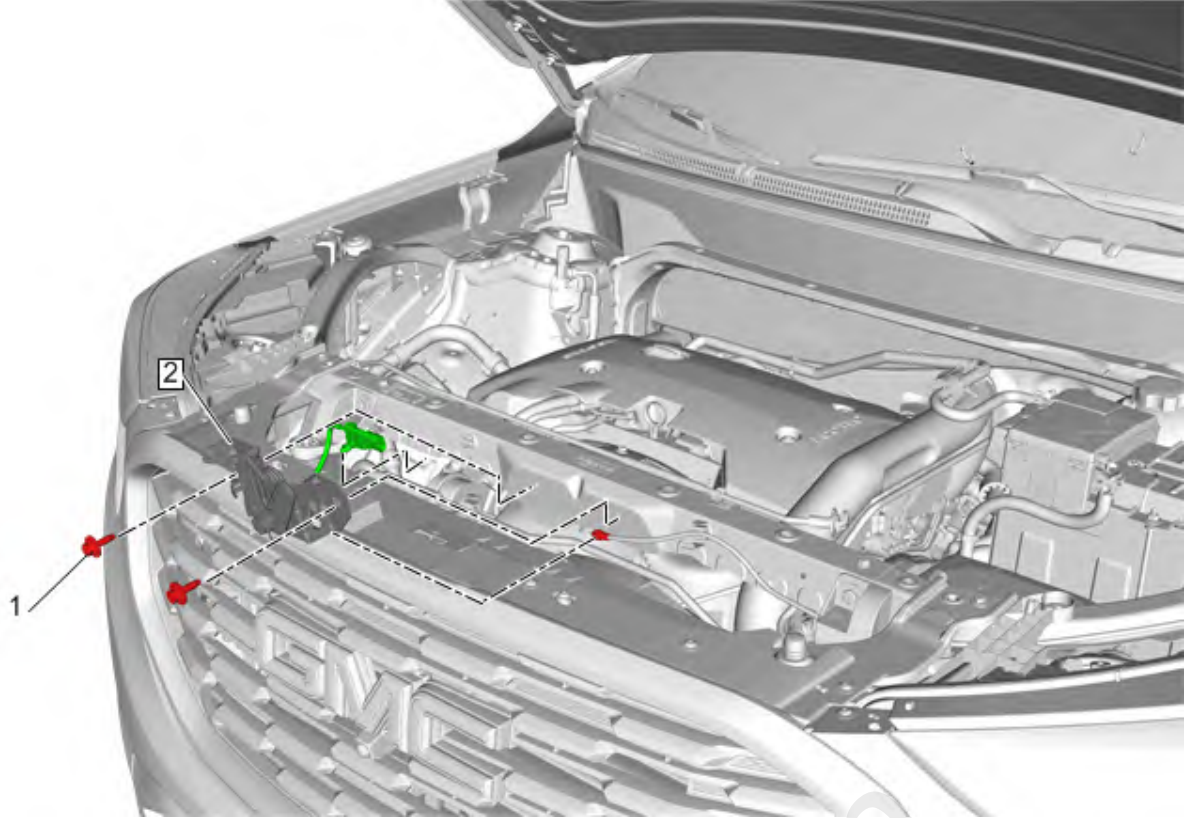


Fig. 86: Hood Primary And Secondary Latch (Terrain).

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures <u>Hood Secondary Latch Release Cable Replacement</u> - Mark the position of the hood latch with a grease pencil.	
1	Hood Primary Latch Bolt [2x] CAUTION: Refer to <u>Fastener Caution</u> . Tighten 13 N.m (115 lb in)
2	Hood Primary and Secondary Latch Procedure - Disconnect the release cable from the hood primary latch. - Disconnect the electrical connector. - Align the hood primary latch if necessary.

HOOD SECONDARY LATCH RELEASE CABLE REPLACEMENT

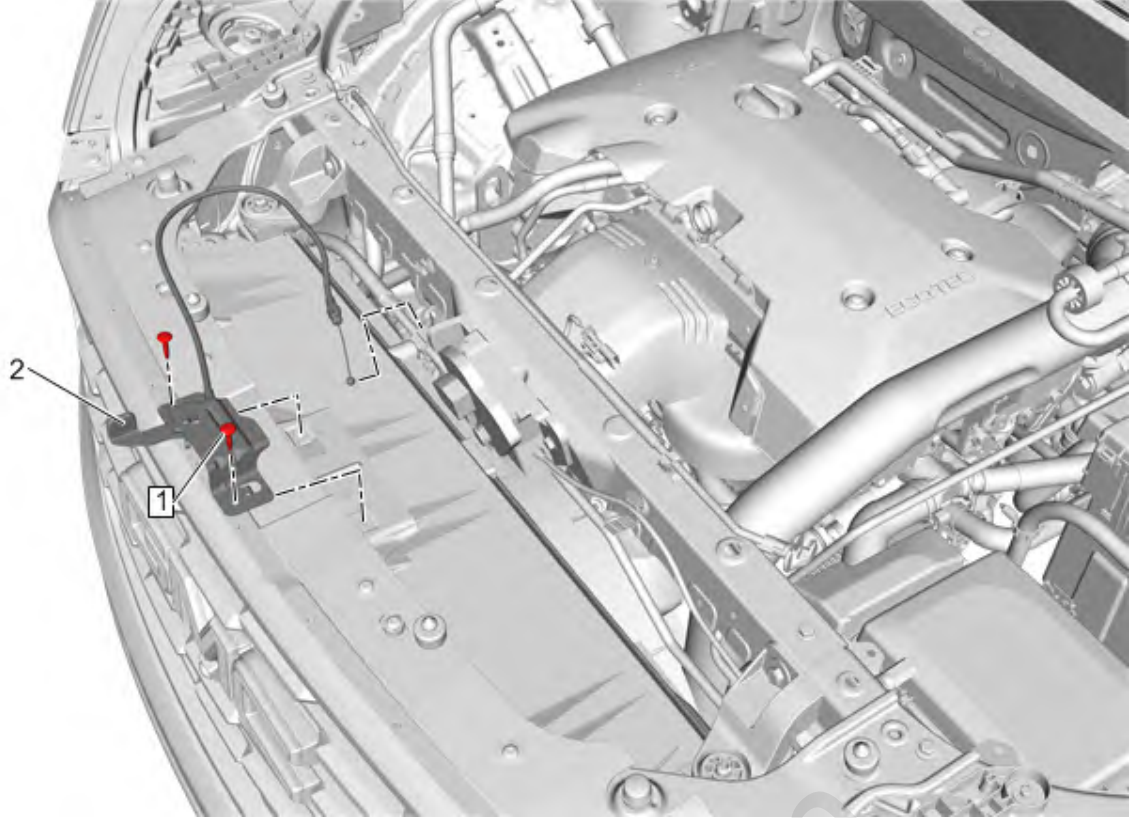


Fig. 87: Hood Secondary Latch Release Cable
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood Secondary Latch Release Cable Bolt [2x] CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
2	Hood Secondary Latch Release Cable Procedure 1. Disconnect the release cable from the hood primary latch. 2. Disconnect the hood secondary latch release cable retainer from the bracket. 3. Align the hood secondary latch release cable latch if necessary.

FRONT SIDE DOOR CHECK LINK REPLACEMENT

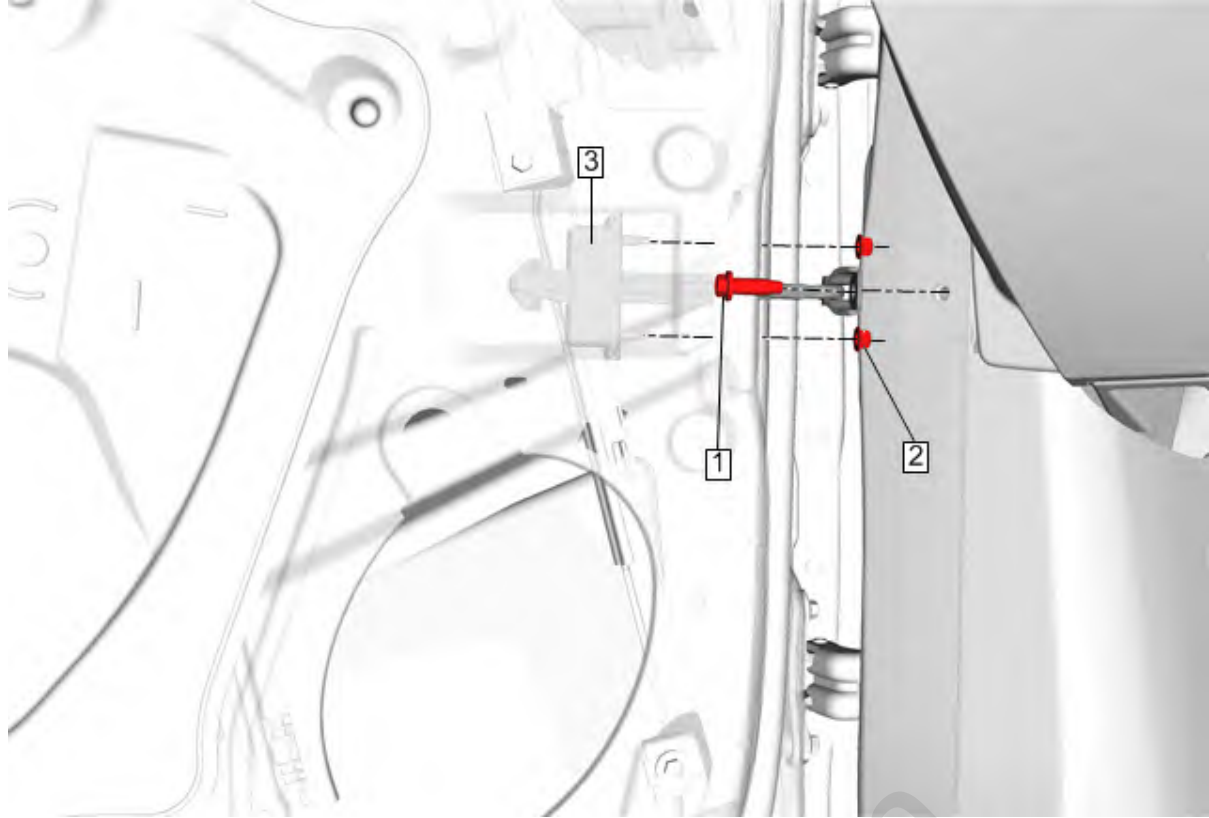


Fig. 88: Front Side Door Check Link
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Place the window in the full up position. 2. <u>Radio Front Side Door Speaker Replacement</u>	
1	Front Side Door Check Link Bolt CAUTION: Refer to <u>Fastener Caution</u> . Tighten 22 N.m (16 lb ft)
2	Front Side Door Check Link Nut [2x] Tighten 9 N.m (80 lb in)
3	Front Side Door Check Link

REAR SIDE DOOR CHECK LINK REPLACEMENT

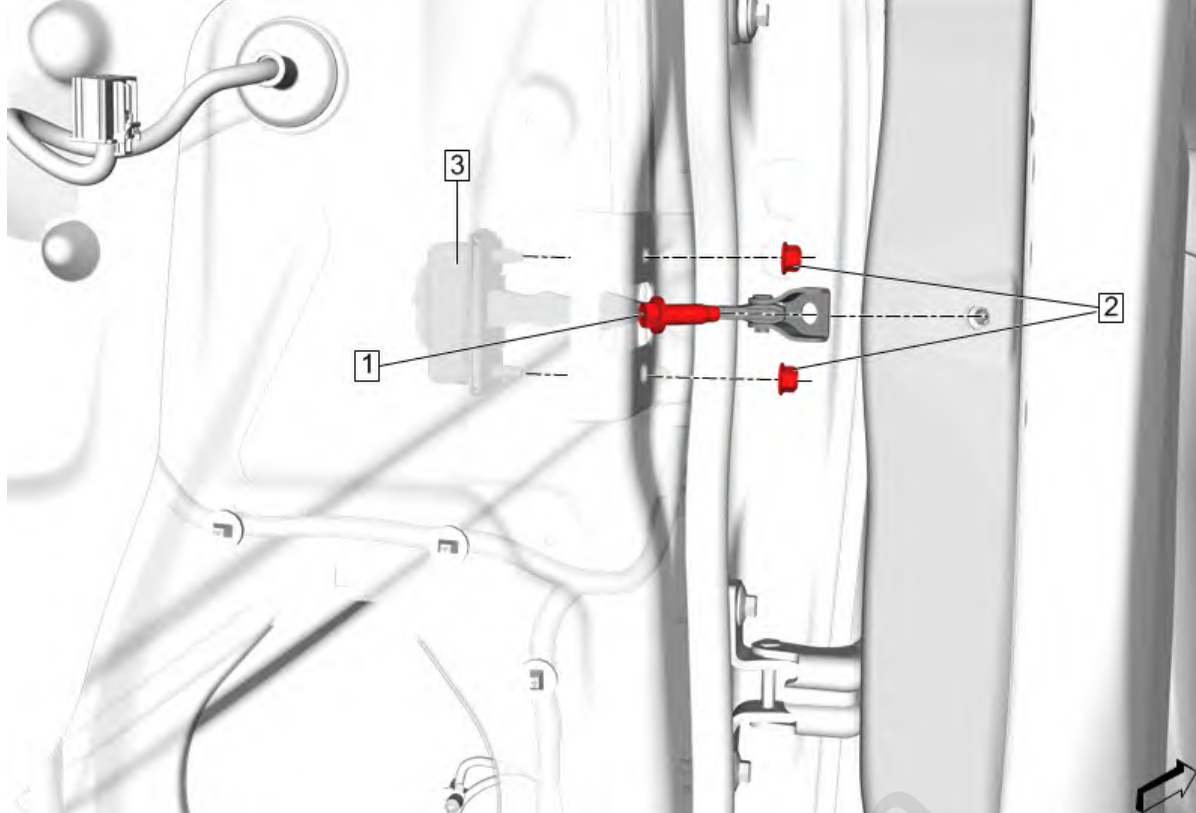


Fig. 89: Rear Side Door Check Link

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Place the window in the full up position. 2. Radio Rear Side Door Speaker Replacement	
1	Rear Side Door Check Link Bolt CAUTION: Refer to Fastener Caution . Tighten 22 N.m (16 lb ft)
2	Rear Side Door Check Link Nut [2x] Tighten 9 N.m (80 lb in)
3	Rear Side Door Check Link

FUEL TANK FILLER DOOR REPLACEMENT (EQUINOX)

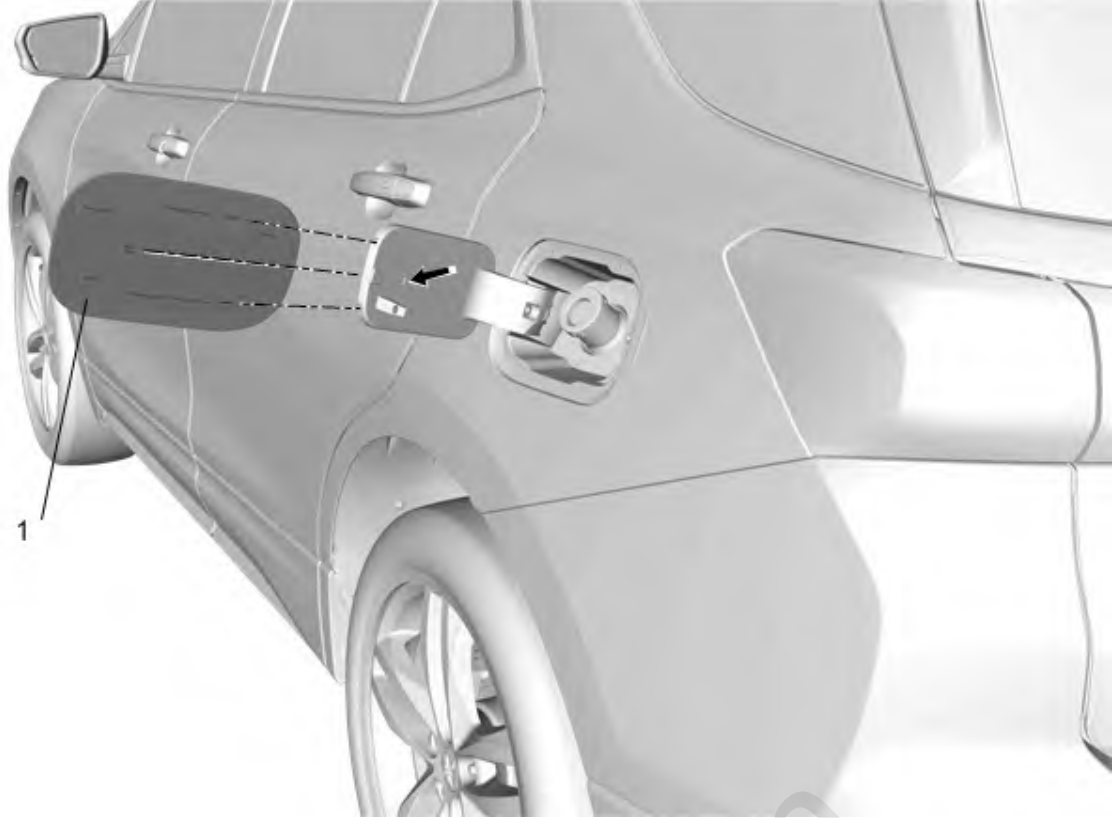


Fig. 90: Fuel Tank Filler Door (Equinox)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Fuel Tank Filler Door Procedure 1. Position the fuel tank filler door to the full open position. 2. Using light outward sliding pressure on the filler door, release the retainer on the fuel tank filler door from the hinge.

FUEL TANK FILLER DOOR REPLACEMENT (TERRAIN)

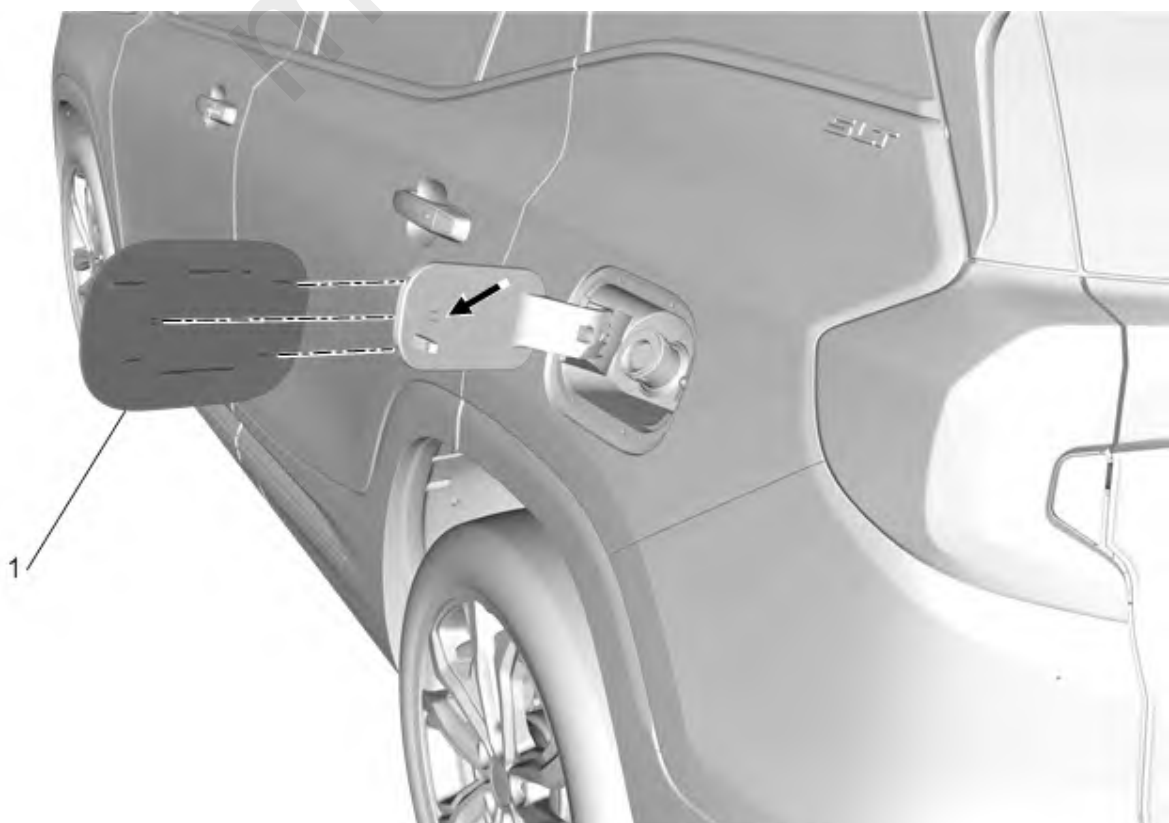


Fig. 91: Fuel Tank Filler Door (Terrain).
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Fuel Tank Filler Door Procedure 1. Position the fuel tank filler door to the full open position. 2. Using light outward sliding pressure on the filler door, release the retainer on the fuel tank filler door from the hinge.

FUEL TANK FILLER PIPE HOUSING REPLACEMENT (EQUINOX)

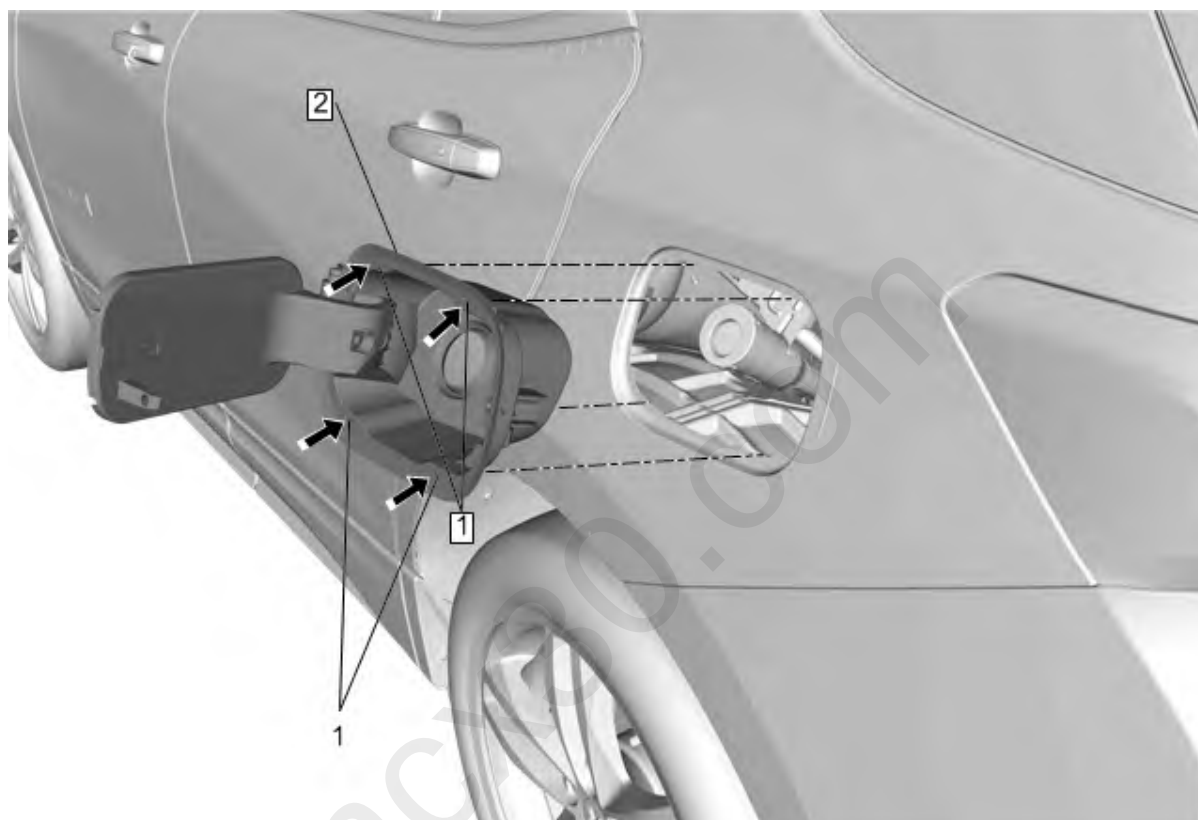


Fig. 92: Fuel Tank Filler Pipe Housing (Equinox).
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Fuel Tank Filler Door Replacement (Equinox)	
1	Fuel Tank Filler Pipe Housing Retainer [4x] Procedure 1. Using a flat-bladed tool that fits into the 4 depressions, break through the 4 depressions with light pressure and then pry the clips free to release the fuel tank filler pipe housing from the body side outer panel. 2. The fuel tank filler pipe housing once removed cannot be reused and must be replaced with a NEW fuel tank filler pipe housing.

Callout	Component Name
2	Fuel Tank Filler Pipe Housing Procedure 1. Position the fuel tank filler pipe housing to the body side outer panel and the fuel filler pipe. 2. Press the fuel tank filler pipe housing to the body side outer panel until fully seated. 3. Ensure the fuel tank filler pipe housing seal is full seated to the filler pipe.

FUEL TANK FILLER PIPE HOUSING REPLACEMENT (TERRAIN)

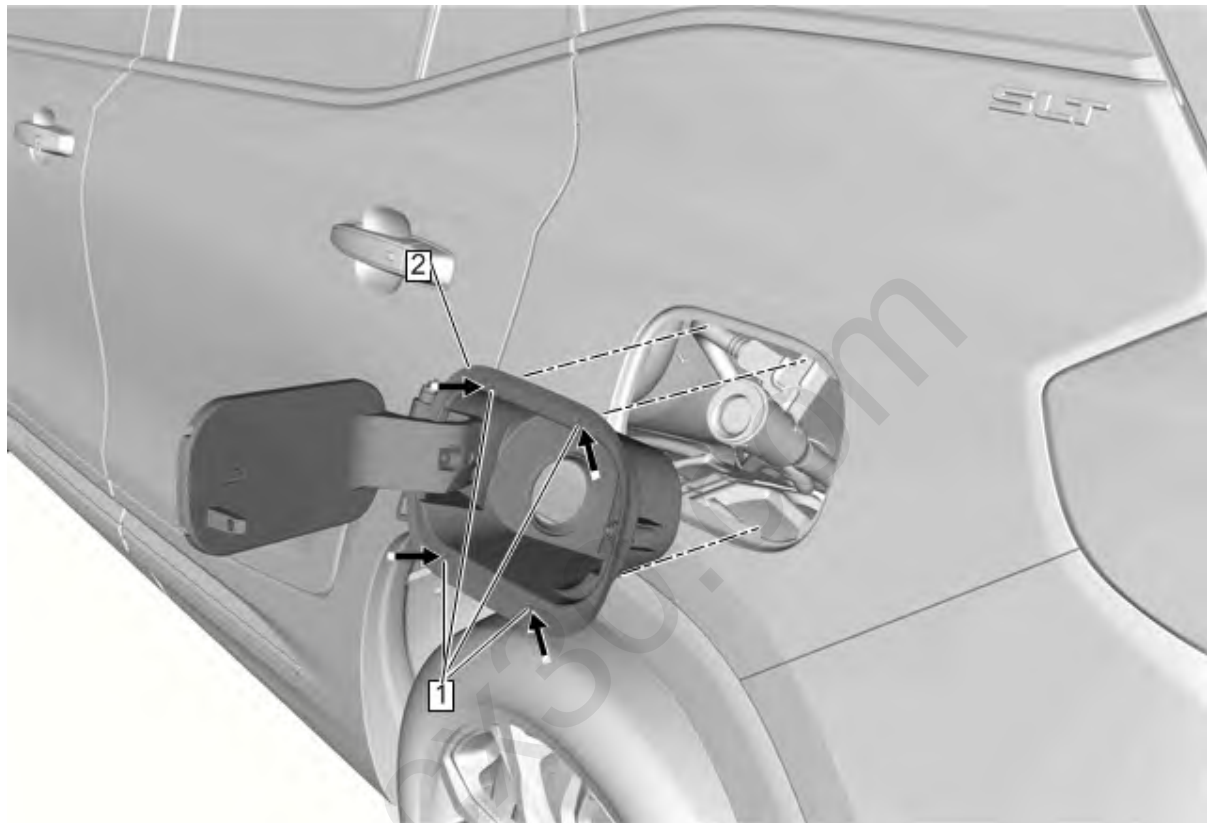


Fig. 93: Fuel Tank Filler Pipe Housing.(Terrain)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Fuel Tank Filler Door Replacement (Terrain)</u>	
1	Fuel Tank Filler Pipe Housing Retainer [4x] Procedure 1. Using a flat-bladed tool that fits into the 4 depressions, break through the 4 depressions with light pressure and then pry the clips free to release the fuel tank filler pipe housing from the body side outer panel. 2. The fuel tank filler pipe housing once removed cannot be reused and must be replaced with a NEW fuel tank filler pipe housing.

Callout	Component Name
2	Fuel Tank Filler Pipe Housing Procedure 1. Position the fuel tank filler pipe housing to the body side outer panel and the fuel filler pipe. 2. Press the fuel tank filler pipe housing to the body side outer panel until fully seated. 3. Ensure the fuel tank filler pipe housing seal is full seated to the filler pipe.

HOOD HOLD-OPEN ROD REPLACEMENT

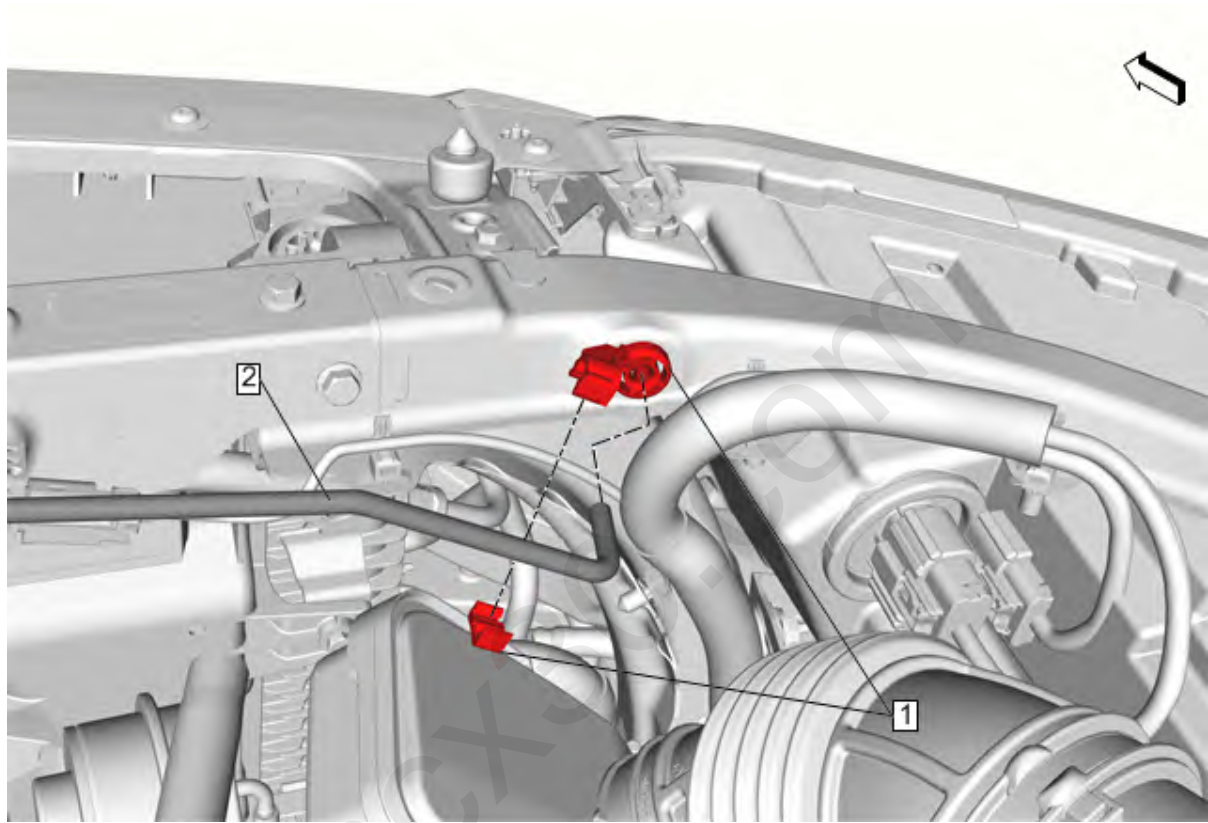


Fig. 94: Hood Hold-Open Rod
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood Hold Open Rod Pivot 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. Procedure Release the retaining tab.
2	Hood Hold Open Rod Procedure 1. Pull the hood hold open rod from the hood hold open rod pivot. 2. Transfer components as necessary.

HOOD FRONT WEATHERSTRIP REPLACEMENT (EQUINOX)

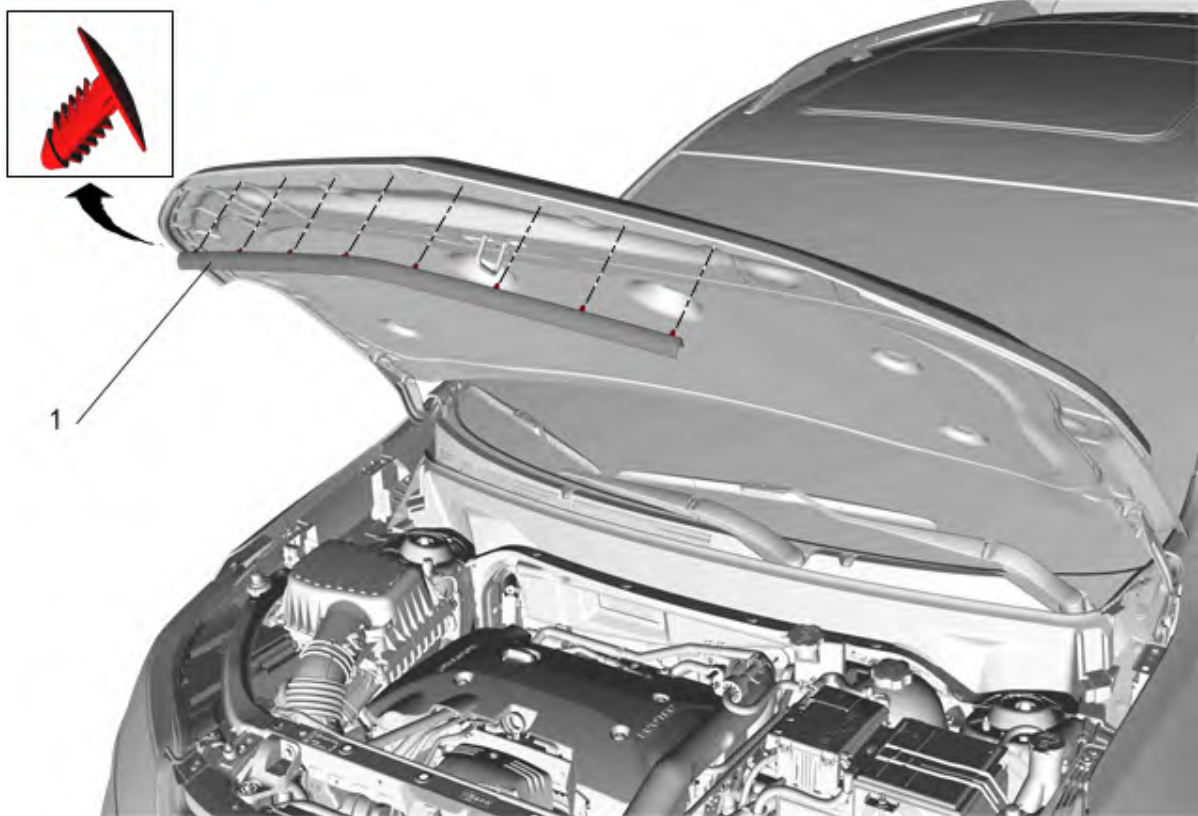


Fig. 95: Hood Front Weatherstrip (Equinox)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood Front Weatherstrip Procedure Using a trim type tool, release the integral retainers from the hood.

HOOD FRONT WEATHERSTRIP REPLACEMENT (TERRAIN)

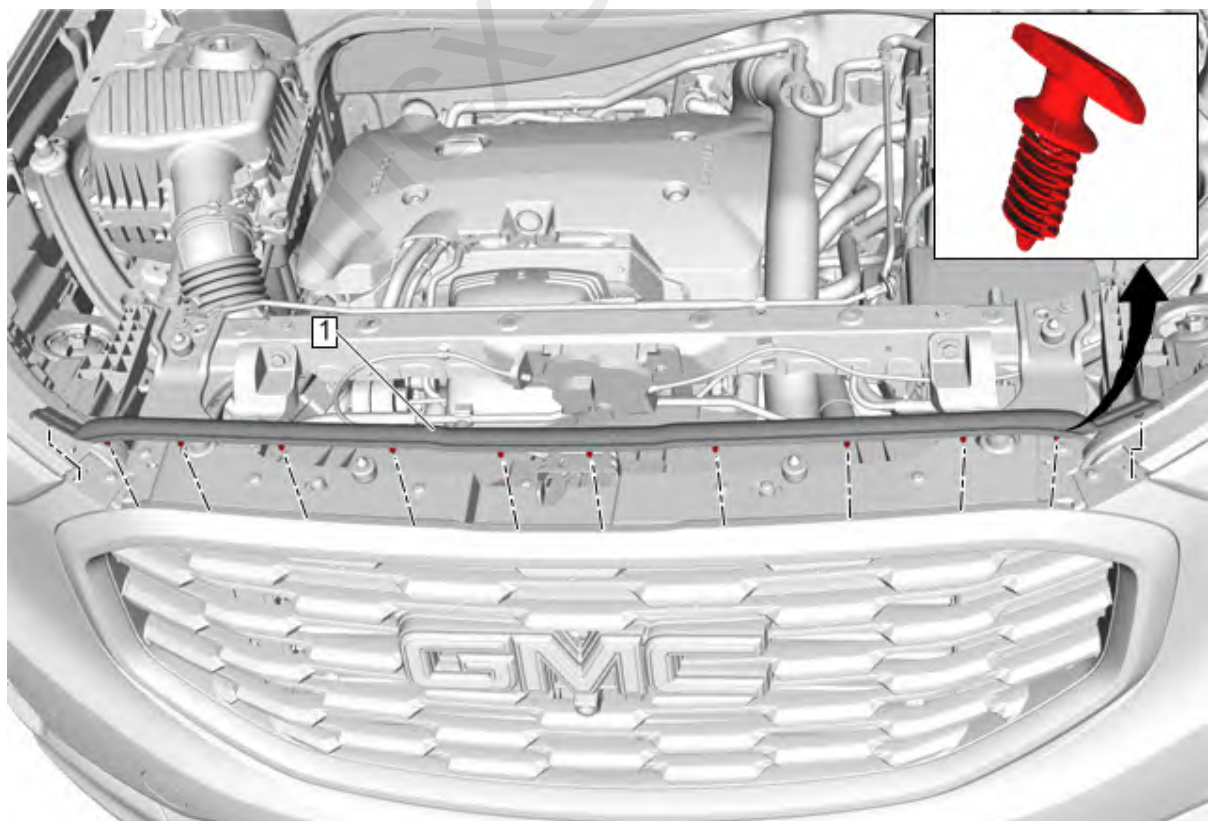


Fig. 96: Hood Front Weatherstrip (Terrain)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name

Callout	Component Name
1	Hood Front Weatherstrip Procedure Using a trim type tool, release the integral retainers from the front grille.

HOOD SIDE WEATHERSTRIP REPLACEMENT

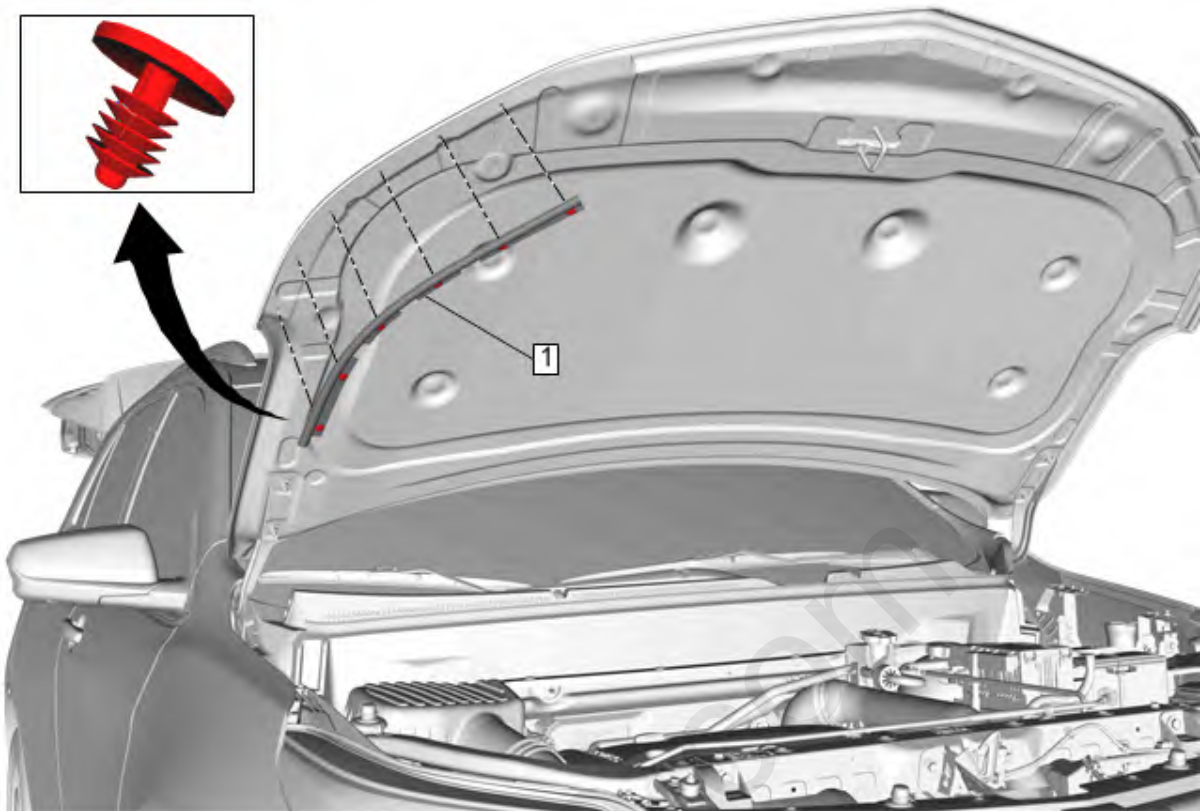


Fig. 97: Hood Side Weatherstrip
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood Side Weatherstrip Procedure Using a trim type tool, release the integral retainers from the hood.

REAR SIDE DOOR BELOW BELT REAR AUXILIARY WEATHERSTRIP REPLACEMENT

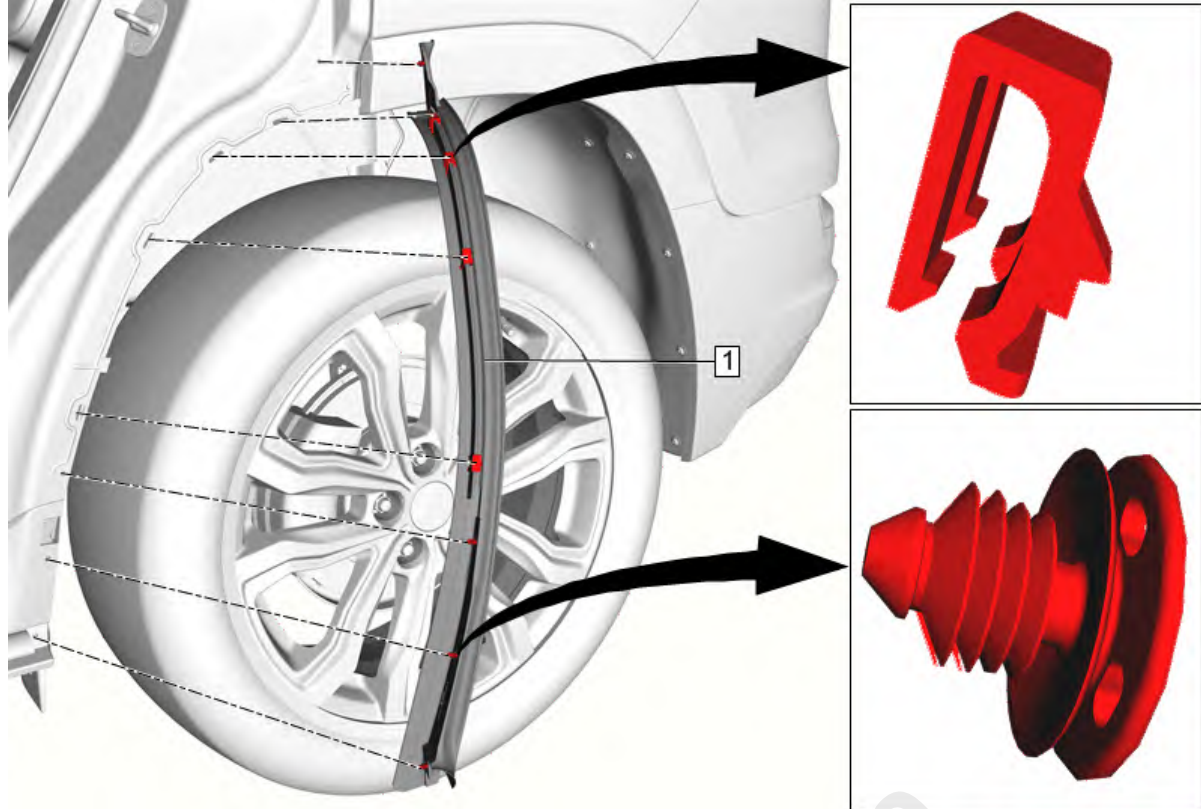


Fig. 98: Rear Side Door Below Belt Rear Auxiliary Weatherstrip

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Rear Side Door Below Belt Rear Auxiliary Weatherstrip Procedure Place the door in the full open position to service the weatherstrip. NOTE: With a suitable trim release tool, release the retainers securing the rear side door below belt rear auxiliary weatherstrip.

LIFTGATE STRUT REPLACEMENT (EQUINOX)

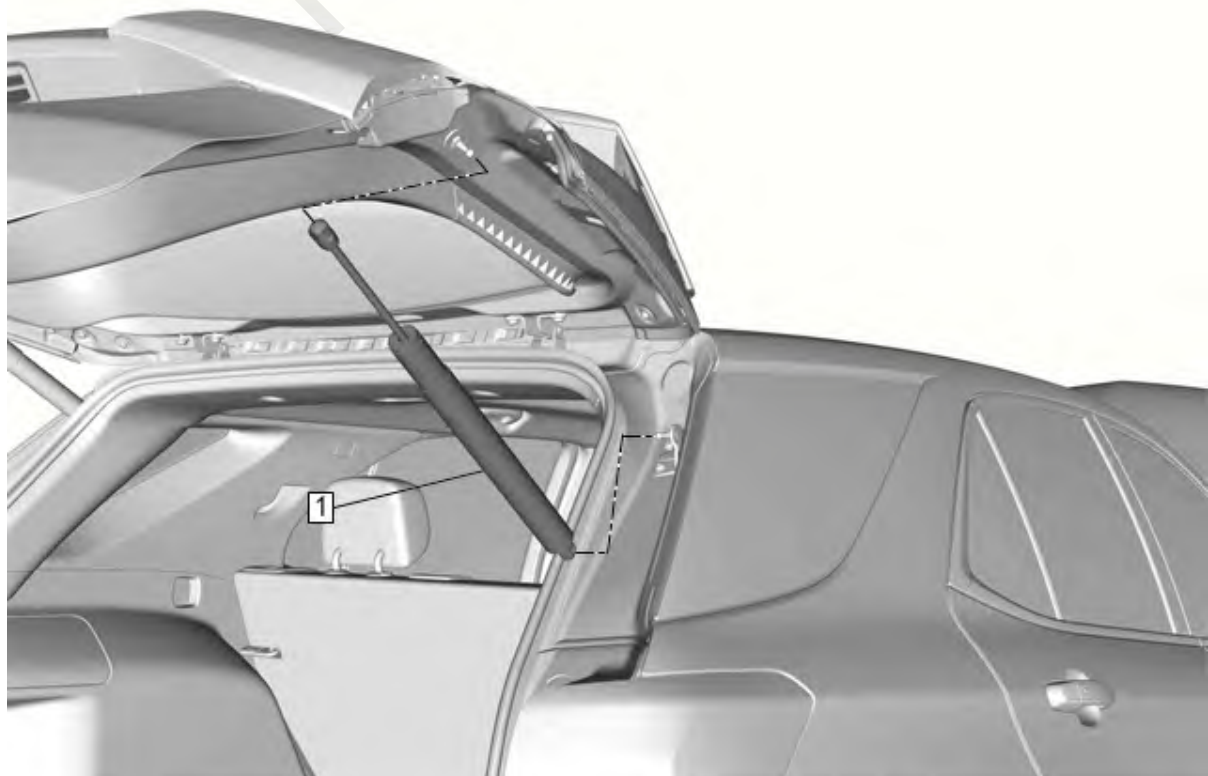


Fig. 99: Liftgate Strut (Equinox)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Liftgate Strut WARNING: When a lift gate hold open device is being removed or installed, provide alternate support to avoid the possibility of damage to the vehicle or personal injury. Procedure 1. Release the lock tabs on the strut 2. Ensure the clip is fully seated when the rod is reinstalled. If the clip cannot be fully seated, a new rod should be installed.

LIFTGATE STRUT REPLACEMENT (TERRAIN)

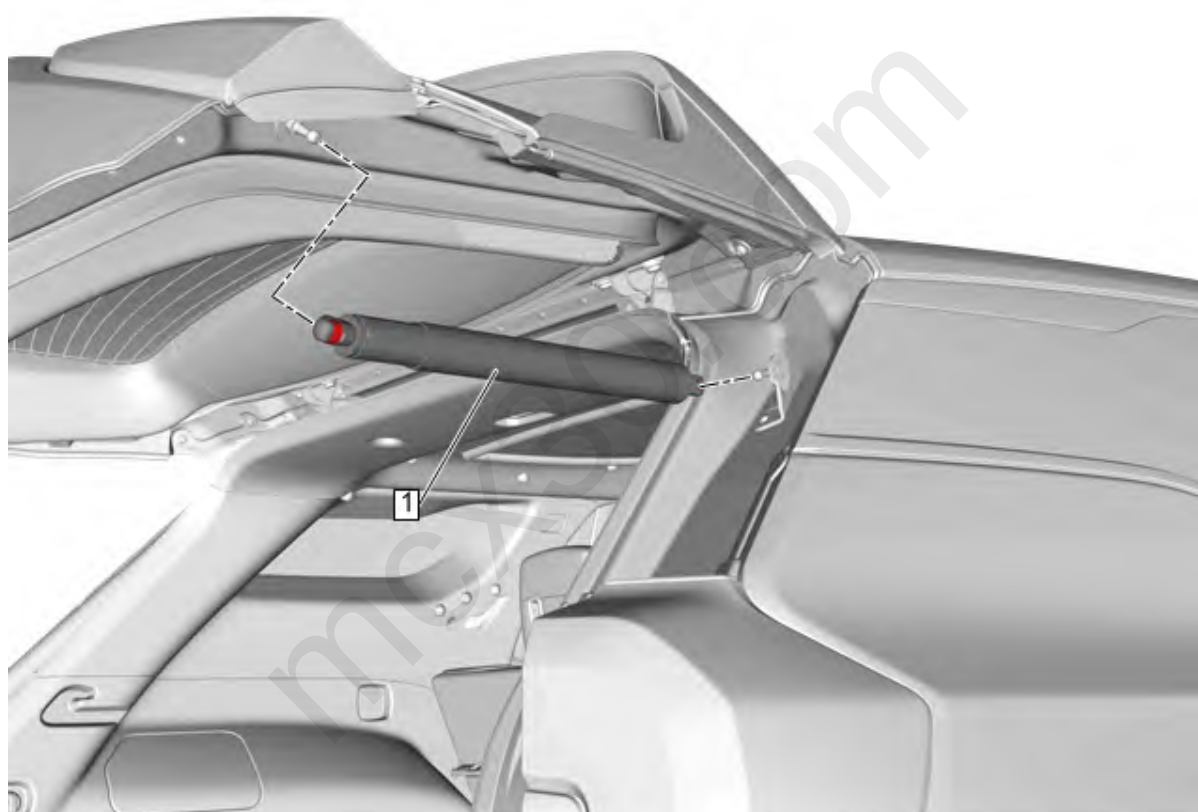


Fig. 100: Liftgate Strut (Terrain)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Liftgate Strut WARNING: When a lift gate hold open device is being removed or installed, provide alternate support to avoid the possibility of damage to the vehicle or personal injury. Procedure 1. Release the lock tabs on the strut 2. Ensure the clip is fully seated when the rod is reinstalled. If the clip cannot be fully seated, a new rod should be installed.

LIFTGATE STRUT BRACKET REPLACEMENT

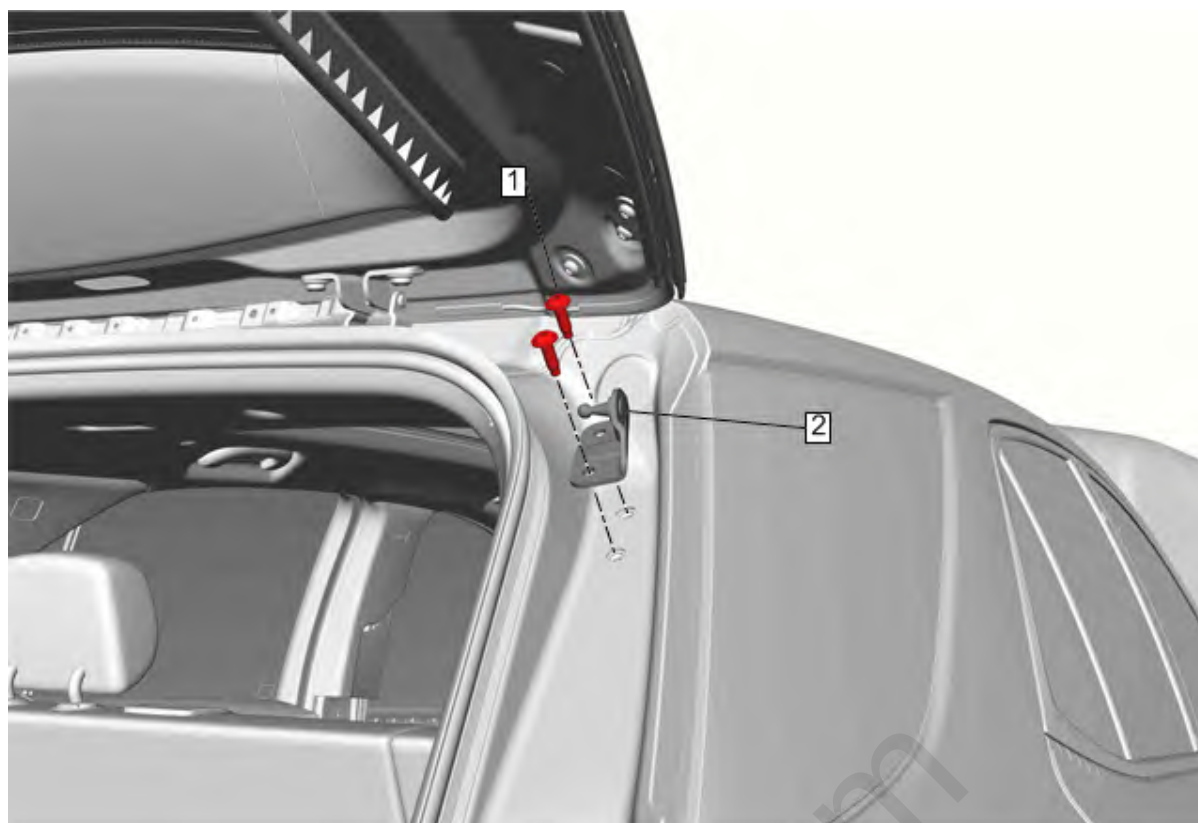


Fig. 101: Liftgate Strut Bracket

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Open the liftgate. 2. <u>Liftgate Strut Replacement (Equinox)</u> <u>Liftgate Strut Replacement (Terrain)</u>	
1	Liftgate Strut Bracket Bolt [2x] CAUTION: Refer to <u>Fastener Caution</u> . Tighten 22 N.m (16 lb ft)
2	Liftgate Strut Bracket

FRONT AND REAR SIDE DOOR LOWER AUXILIARY WEATHERSTRIP REPLACEMENT

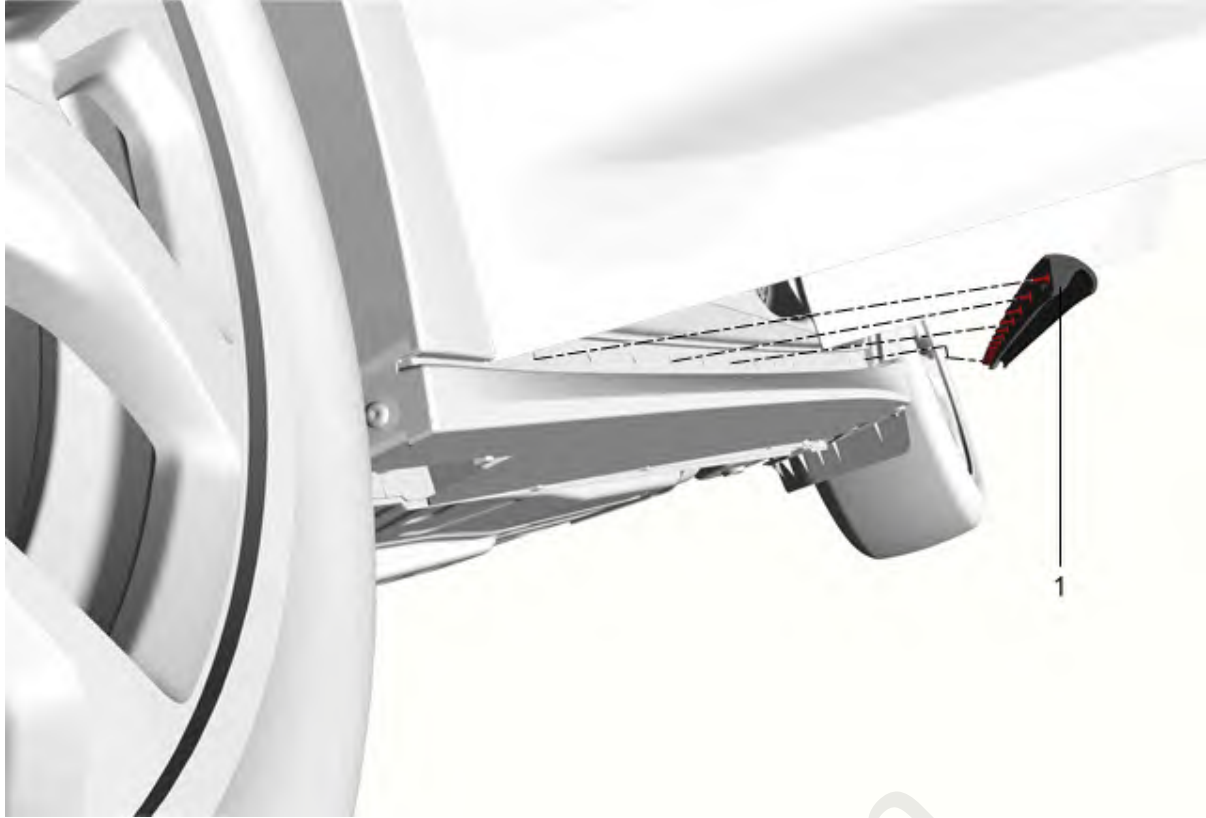


Fig. 102: Front/Rear Side Door Lower Auxiliary Weatherstrip
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Open front and rear doors.	
1	Front and Rear Side Door Lower Auxiliary Weatherstrip Procedure 1. Using the appropriate tool, remove the auxiliary weatherstrip retainers from body side outer panel. 2. Clean the body side outer panel surface before installing the new auxiliary weatherstrip using a 50/50 mixture of isopropyl alcohol and water by volume on a dampened lint free cloth.

FRONT SIDE DOOR WEATHERSTRIP REPLACEMENT - DOOR SIDE

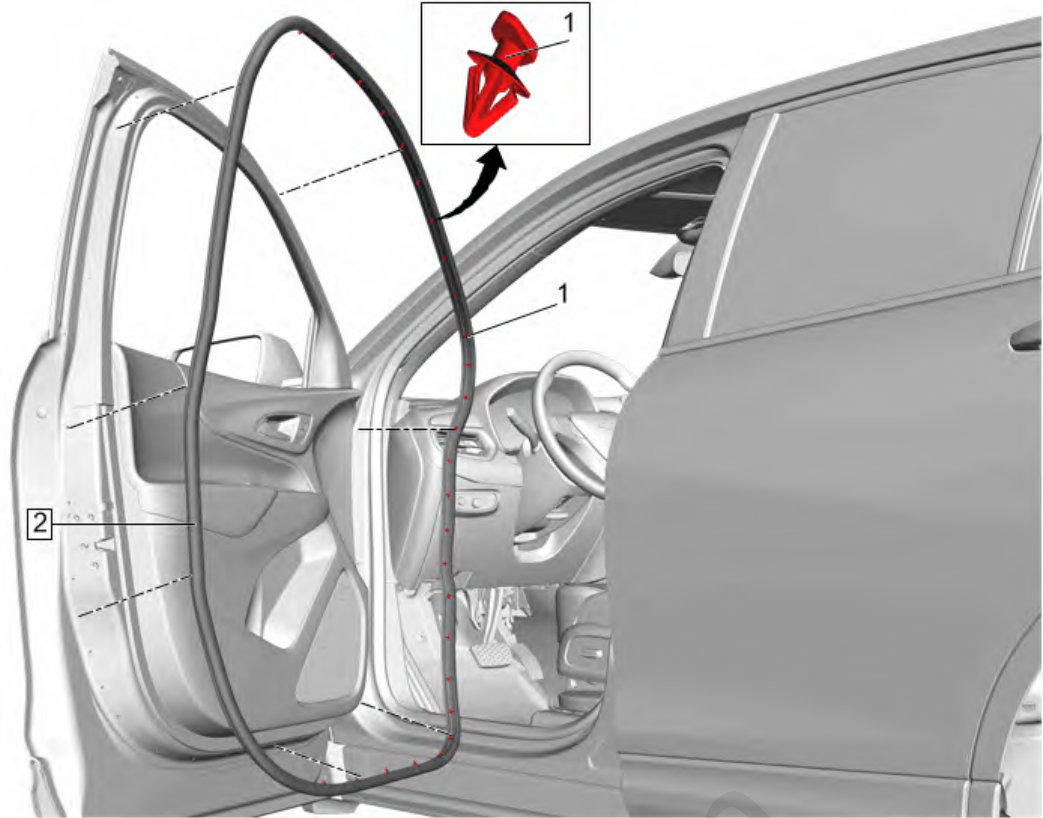


Fig. 103: Front Side Door Weatherstrip - Door Side
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Front Side Door Check Link Replacement	
1	Front Side Door Weatherstrip Retainer [40x] Procedure Using a suitable tool, remove the front side door weatherstrip retainer.
2	Front Side Door Weatherstrip - Door Side

FRONT SIDE DOOR WEATHERSTRIP REPLACEMENT - BODY SIDE

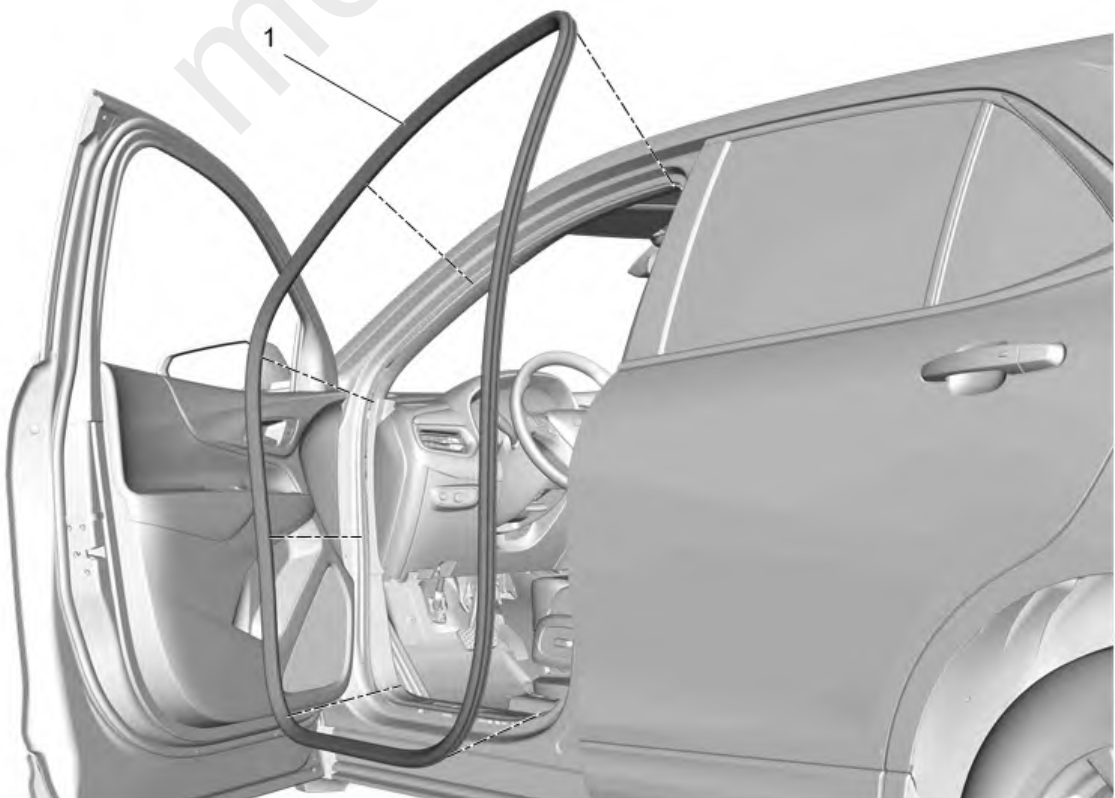


Fig. 104: Front Side Door Weatherstrip - Body Side
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Front Side Door Sill Garnish Molding Replacement (Equinox)</u> <u>Front Side Door Sill Garnish Molding Replacement (Terrain)</u>	
1	Front Side Door Weatherstrip - Body Side

LIFTGATE WEATHERSTRIP REPLACEMENT (EQUINOX)



Fig. 105: Liftgate Weatherstrip (Equinox)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Liftgate Weatherstrip Procedure Clean the area where the seal will be mounted. Use a suitable solvent with a mixture of 50 percent isopropyl alcohol and 50 percent water by volume, or high-flash naphtha.

LIFTGATE WEATHERSTRIP REPLACEMENT (TERRAIN)



Fig. 106: Liftgate Weatherstrip (Terrain).
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Liftgate Weatherstrip Procedure Clean the area where the seal will be mounted. Use a suitable solvent with a mixture of 50 percent isopropyl alcohol and 50 percent water by volume, or high-flash naphtha.

LIFTGATE UPPER WEATHERSTRIP REPLACEMENT

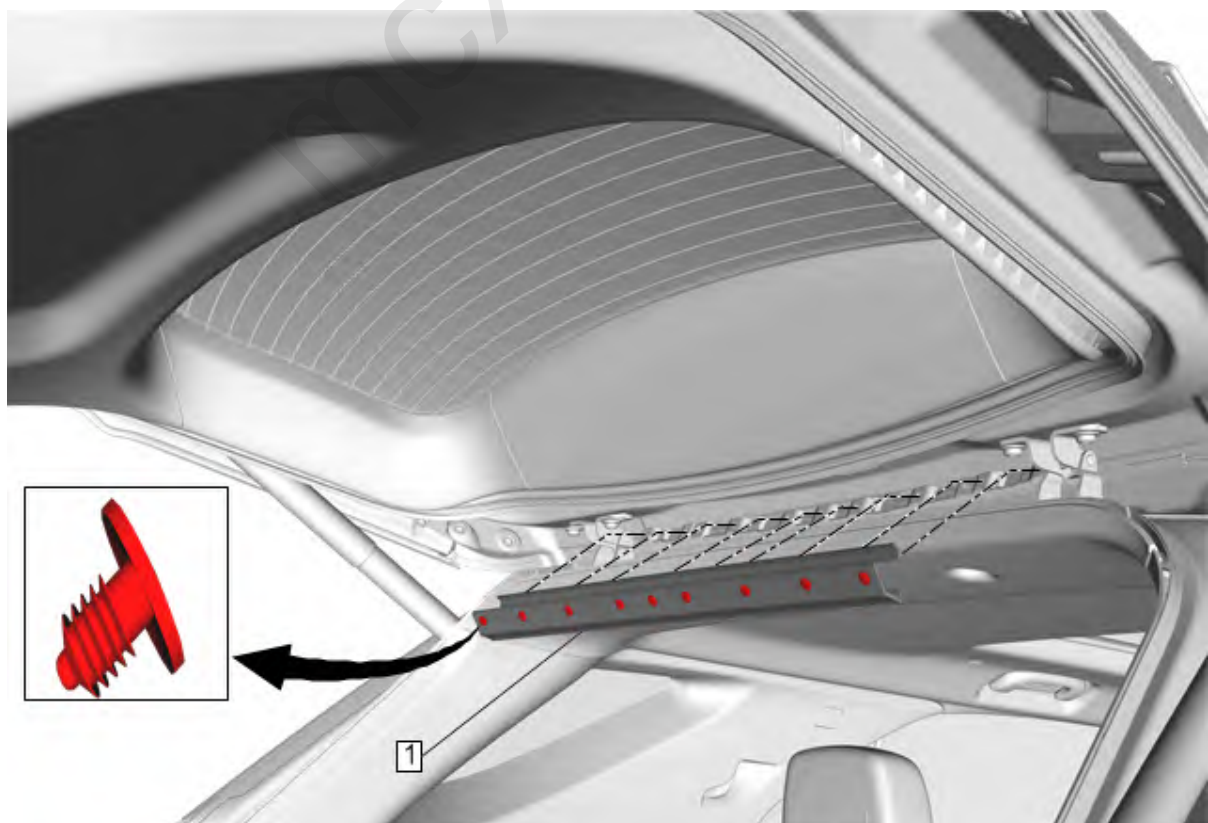


Fig. 107: Liftgate Upper Weatherstrip
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Liftgate Upper Weatherstrip Procedure Using a trim type tool, release the 9 integral retainers.

REAR SIDE DOOR WEATHERSTRIP REPLACEMENT - DOOR SIDE

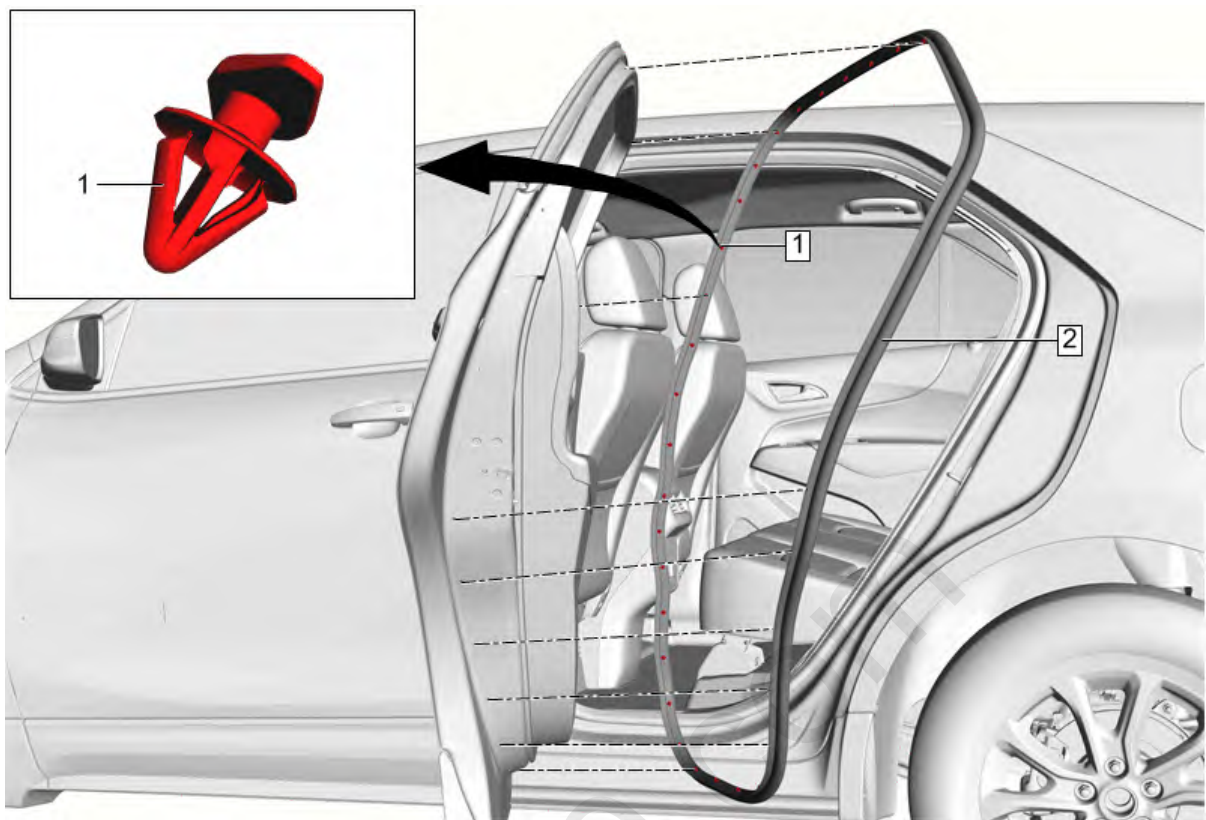


Fig. 108: Rear Side Door Weatherstrip - Door Side
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Rear Side Door Check Link Replacement	
1	Rear Side Door Weatherstrip Retainer [39x] Procedure Use a suitable tool in the removal of the rear side door weatherstrip retainers.
2	Rear Side Door Weatherstrip - Door Side

REAR SIDE DOOR WEATHERSTRIP REPLACEMENT - BODY SIDE (EQUINOX)

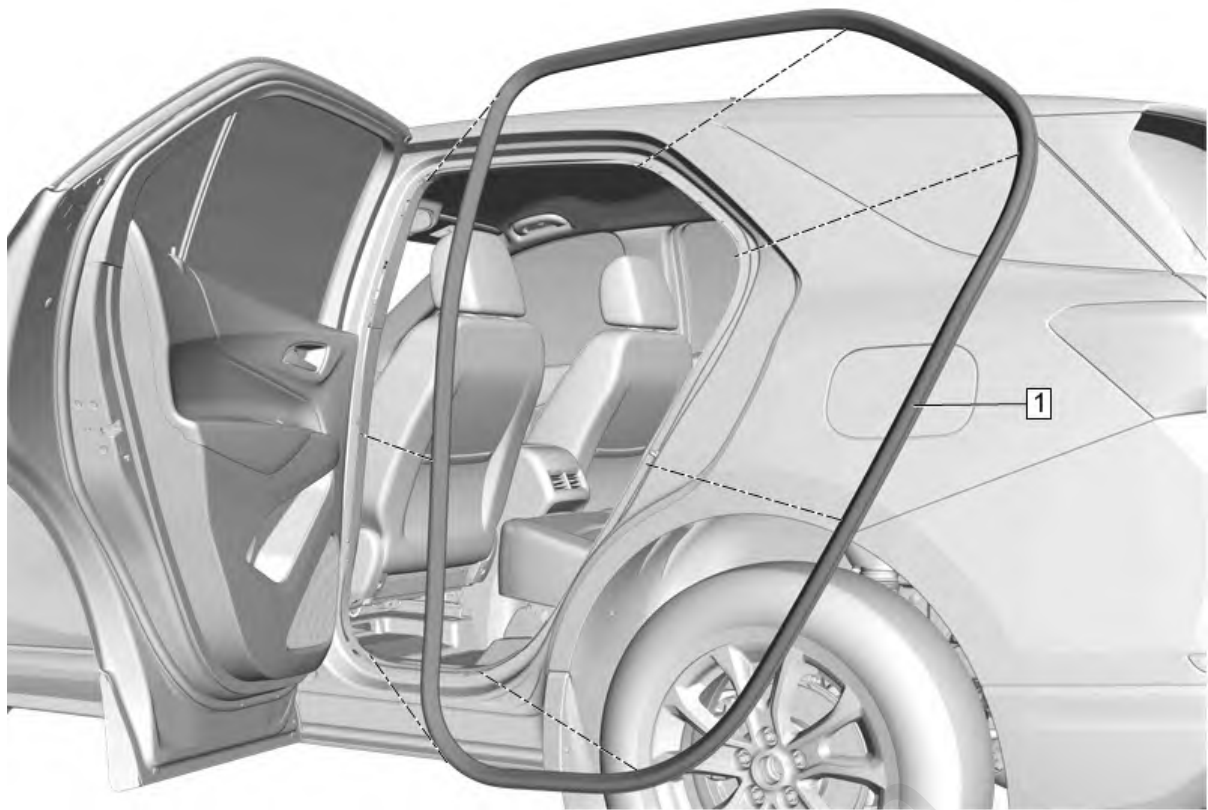


Fig. 109: Rear Side Door Weatherstrip - Body Side (Equinox)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Rear Side Door Sill Garnish Molding Replacement (Equinox)</u>	
1	Rear Side Door Weatherstrip - Body Side

REAR SIDE DOOR WEATHERSTRIP REPLACEMENT - BODY SIDE (TERRAIN)



Fig. 110: Rear Side Door Weatherstrip - Body Side (Terrain)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name

Callout	Component Name
Preliminary Procedure	
<u>Rear Side Door Sill Garnish Molding Replacement (Terrain)</u>	
1	Rear Side Door Weatherstrip - Body Side

LIFTGATE ADJUST BUMPER REPLACEMENT (EQUINOX)

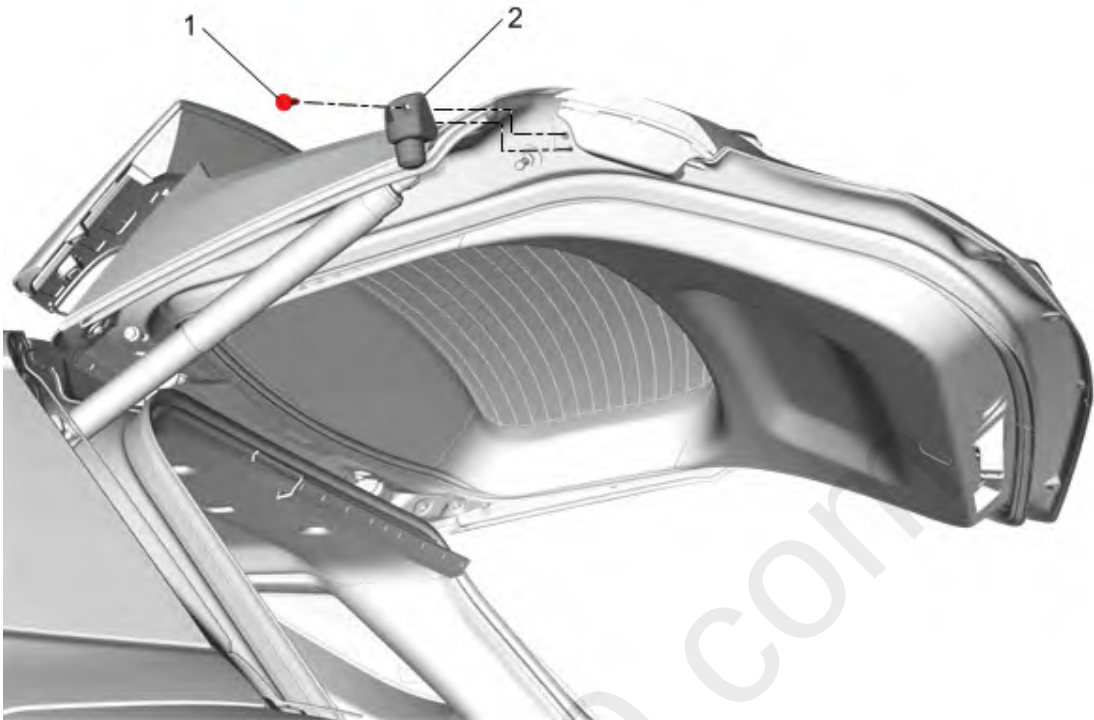


Fig. 111: Liftgate Adjust Bumper (Equinox)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Liftgate Adjust Bumper Bolt
	CAUTION: Refer to <u>Fastener Caution</u> . Tighten 6 N.m (53 lb in)
2	Liftgate Adjust Bumper

LIFTGATE ADJUST BUMPER REPLACEMENT (TERRAIN)

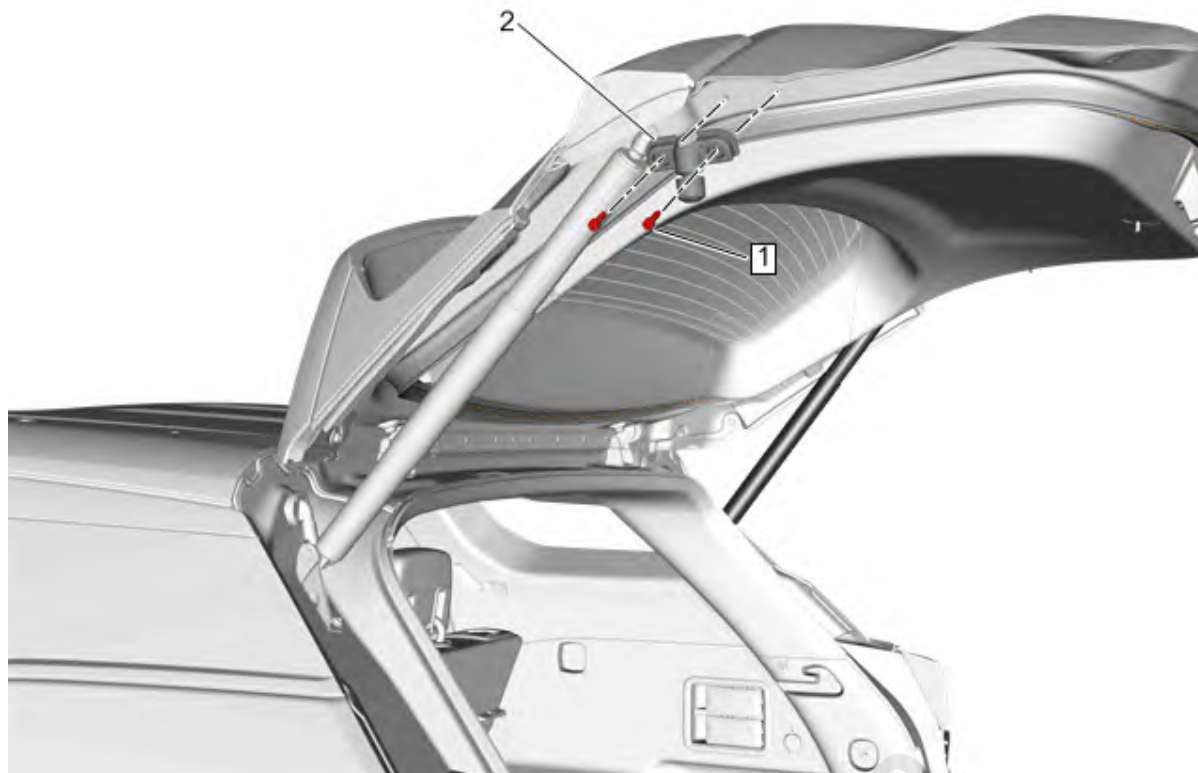


Fig. 112: Liftgate Adjust Bumper (Terrain)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Liftgate Adjust Bumper Bolt [2x] CAUTION: Refer to Fastener Caution . Tighten 6 N.m (53 lb in)
2	Liftgate Adjust Bumper

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.