

ACCESSORIES & EQUIPMENT

Bolted Exterior Body Panels and Closures - Canyon, Colorado

SPECIFICATIONS

FASTENER SPECIFICATIONS

Application	Specification	
	Metric	English
Front End Upper Tie Bar Support Bolts	22 N.m	16 lb ft
Front Fender Bolts	9 N.m	80 lb in
Front Fender Nuts	9 N.m	80 lb in
Front Side Door Check Link to Body Fasteners	22 N.m	16 lb ft
Front Side Door Check Link to Door Fasteners	9 N.m	80 lb in
Front Side Door Lower Hinge to Body Fasteners	32 N.m	24 lb ft
Front Side Door Lower Hinge to Door Fasteners	25 N.m	18 lb ft
Front Side Door Upper Hinge to Body Fasteners	32 N.m	24 lb ft
Front Side Door Upper Hinge to Door Fasteners	25 N.m	18 lb ft
Hood Hinge Bolts	32 $\pm$ 3 N.m	24 lb ft $\pm$ 2 ft lb
Hood Primary and Secondary Latch Bolts	22 N.m	16 lb ft
Hood Nuts	22 N.m	16 lb ft
Pickup Box Bolts	85 N.m	63 lb ft
Pickup Box Endgate Access Hole Cover Panel Bolts	2.5 N.m	22 lb in
Pickup Box Endgate Body Side Hinge Bolts	40 N.m	30 lb ft
Pickup Box Endgate Dampener Nut	25 N.m	18 lb ft
Pickup Box Wheelhouse Panel Bolt	12 N.m	106 lb in
Plenum Front Panel Bolt	9 N.m	80 lb in
Plenum Front Panel Nut	9 N.m	80 lb in
Rear Side Door Check Link to Body Fastener	22 N.m	16 lb ft
Rear Side Door Check Link to Door Fasteners	9 N.m	80 lb in
Rear Side Door Lower Hinge to Body Fastener	32 N.m	24 lb ft
Rear Side Door Lower Hinge to Door Fastener	25 N.m	18 lb ft
Rear Side Door Upper Hinge to Body Fastener	32 N.m	24 lb ft
Rear Side Door Upper Hinge to Door Fastener	25 N.m	18 lb ft

SCHEMATIC WIRING DIAGRAMS

HOOD LATCH WIRING SCHEMATICS

Hood Latch (UTJ)

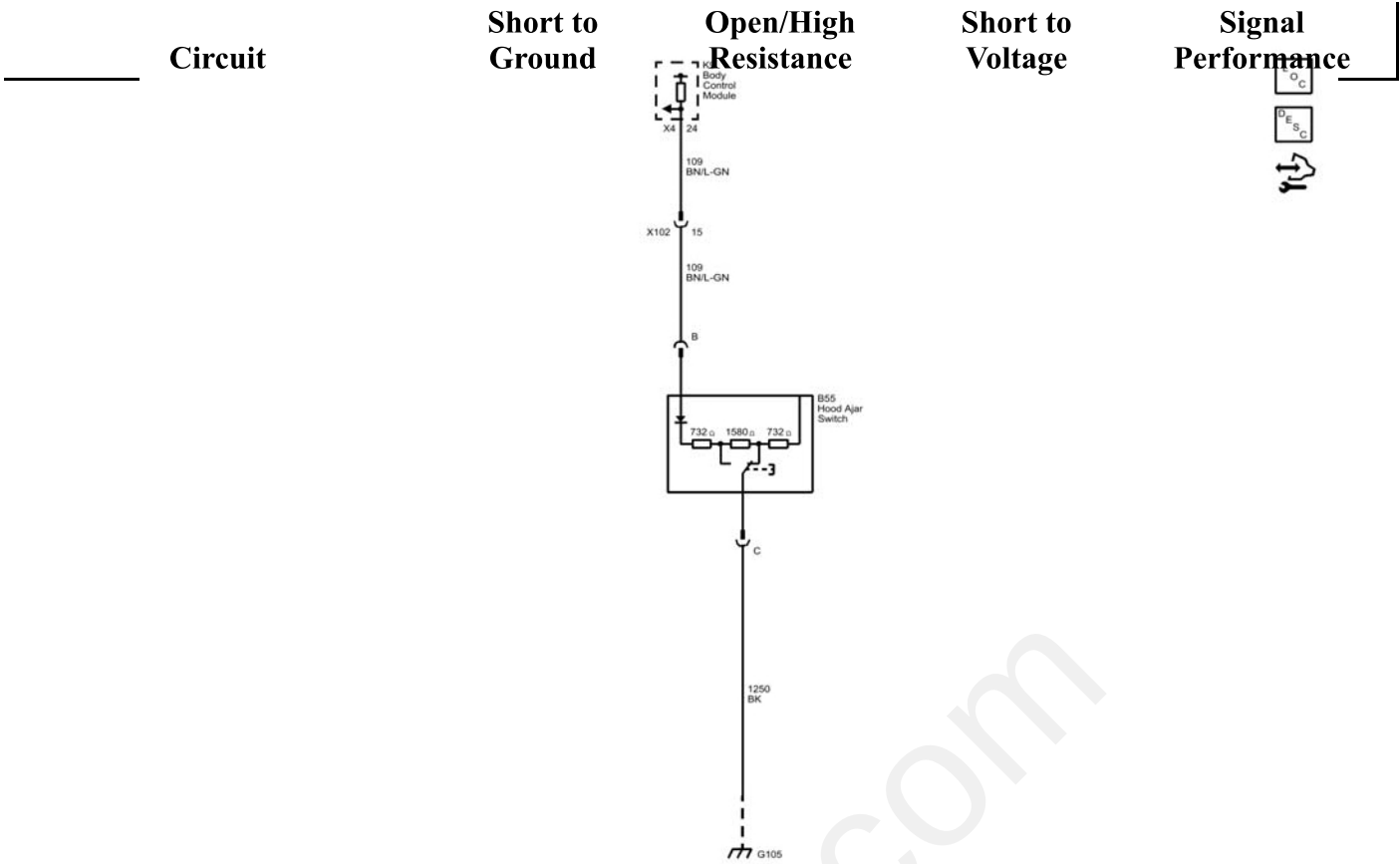


Fig. 1: Hood Latch (UTJ)
Courtesy of GENERAL MOTORS COMPANY

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	-

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
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 Schematics

Connector End View Reference

COMPONENT CONNECTOR END VIEWS - INDEX

Description and Operation

Keyless Entry System Description and Operation

Electrical Information Reference

- Circuit Testing

tor 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.
 - **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.

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 open position.

- **If not between 658-806 Ω**

Replace the B55 Hood Ajar Switch.

- **If between 658-806 Ω**

8. All OK.

Repair Instructions

<u>Diagnostic Repair Verification</u>	after completing the repair.	Short to	Open/High	Short to	Signal
Circuit	Ground	Resistance	Voltage	Performance	
<u>Hood Primary and Secondary Latch Replacement (BTV)</u> <u>Control Module References</u> for body 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.

- 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.
- 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

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

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Action Taken When the DTC Sets

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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.
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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.

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 open position.

- **If not between 658-806 Ω**

Replace the B55 Hood Ajar Switch.

- **If between 658-806 Ω**

8. All OK.

Repair Instructions

Diagnostic Repair Verification	after completing the repair.	Component Name
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- [Hood Primary and Secondary Latch Replacement \(BTV\)](#)
- [Control Module References](#) for body control module replacement, programming, and setup.

REPAIR INSTRUCTIONS

FRONT END UPPER TIE BAR REPLACEMENT

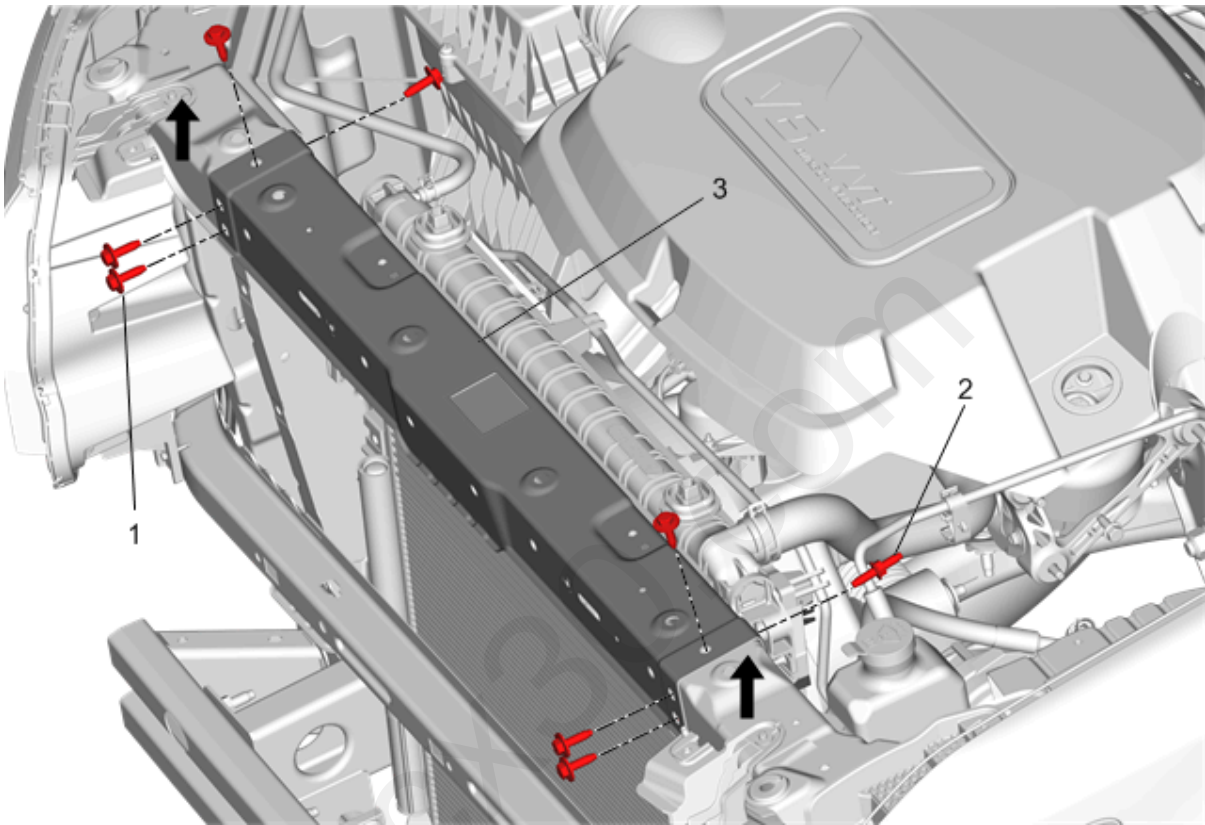


Fig. 2: Front End Upper Tie Bar
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure 1. Remove the front bumper shutter. Refer to Front Bumper Shutter Replacement 2. Remove the radiator upper bracket. Refer to Radiator Upper Bracket Replacement 3. Remove the hood primary and secondary latch and reposition the hood latch cable. Refer to Hood Primary and Secondary Latch Replacement (BTV) 4. Disconnect the electrical harness from the front end upper tie upper bar support.	

Callout	Component Name
1	Front End Upper Tie Bar Bolt (Qty 7) CAUTION: Refer to Fastener Caution . Tighten 22 N.m (16 lb ft)
2	Front End Upper Tie Bar Stud Tighten 22 N.m (16 lb ft)
3	Front End Upper Tie Bar Support Procedure Transfer parts as needed

PICKUP BOX ENDGATE REPLACEMENT

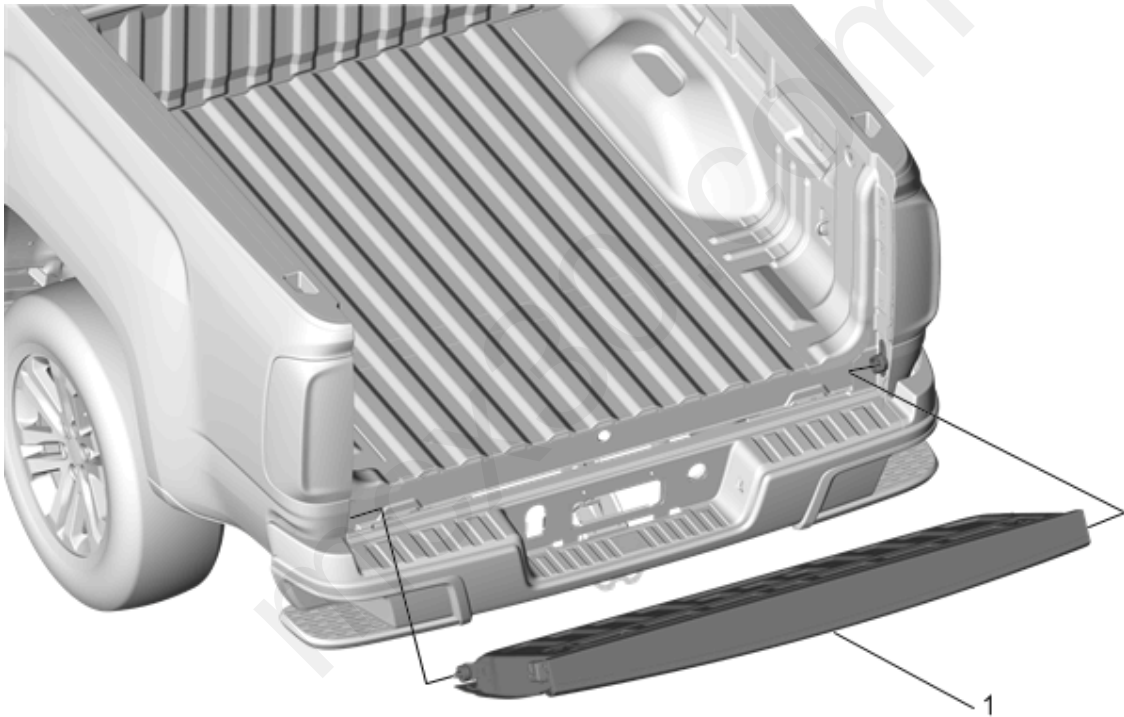


Fig. 3: Pickup Box Endgate
 Courtesy of GENERAL MOTORS COMPANY

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.	

Callout	Component Name
	Pickup Box Endgate
1	Procedure 1. With the aid of an assistant, position the endgate about halfway open, lift the right edge of the tailgate from the lower pivot. 2. On vehicles with the endgate assist feature, raise the endgate nearly all the way to the closed position prior to removing the left edge. 3. Transfer all components as necessary.

PICKUP BOX ENDGATE DAMPENER REPLACEMENT

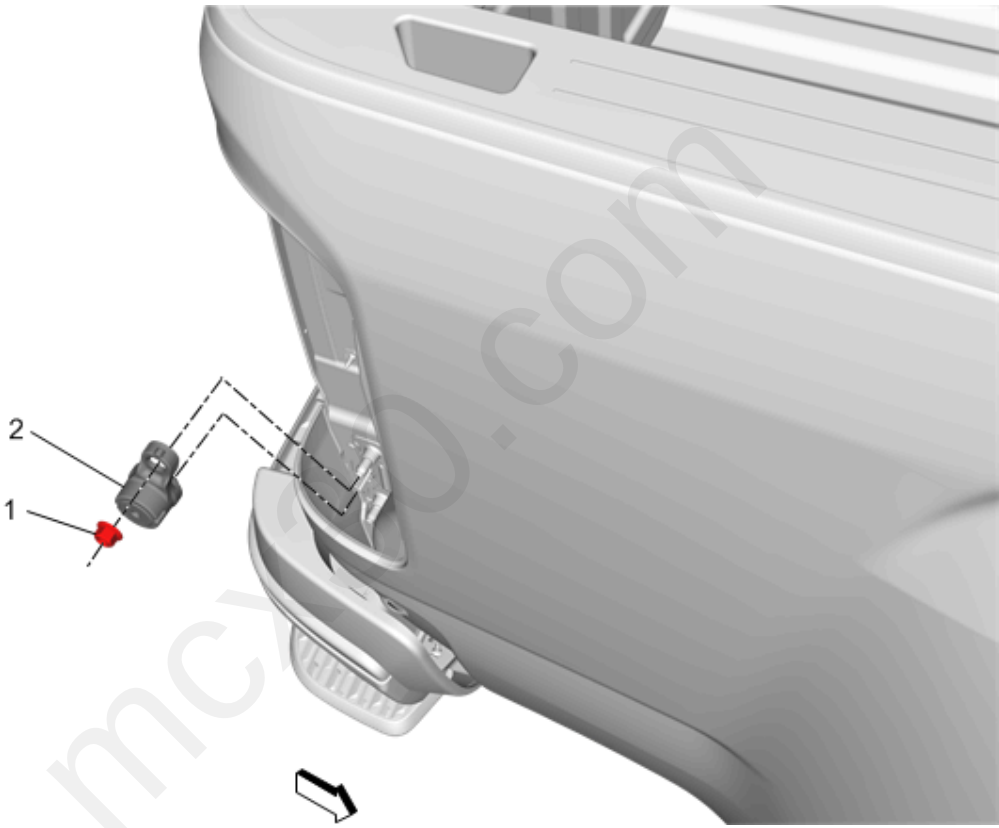


Fig. 4: Pickup Box Endgate Dampener
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Remove the rear body structure stop lamp. Refer to Rear Body Structure Stop Lamp Replacement (Chevrolet) Rear Body Structure Stop Lamp Replacement (GMC)	
1	Pickup Box Endgate Dampener Nut CAUTION: Refer to Fastener Caution . Tighten 25 N.m (18 lb ft)

Callout	Component Name
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

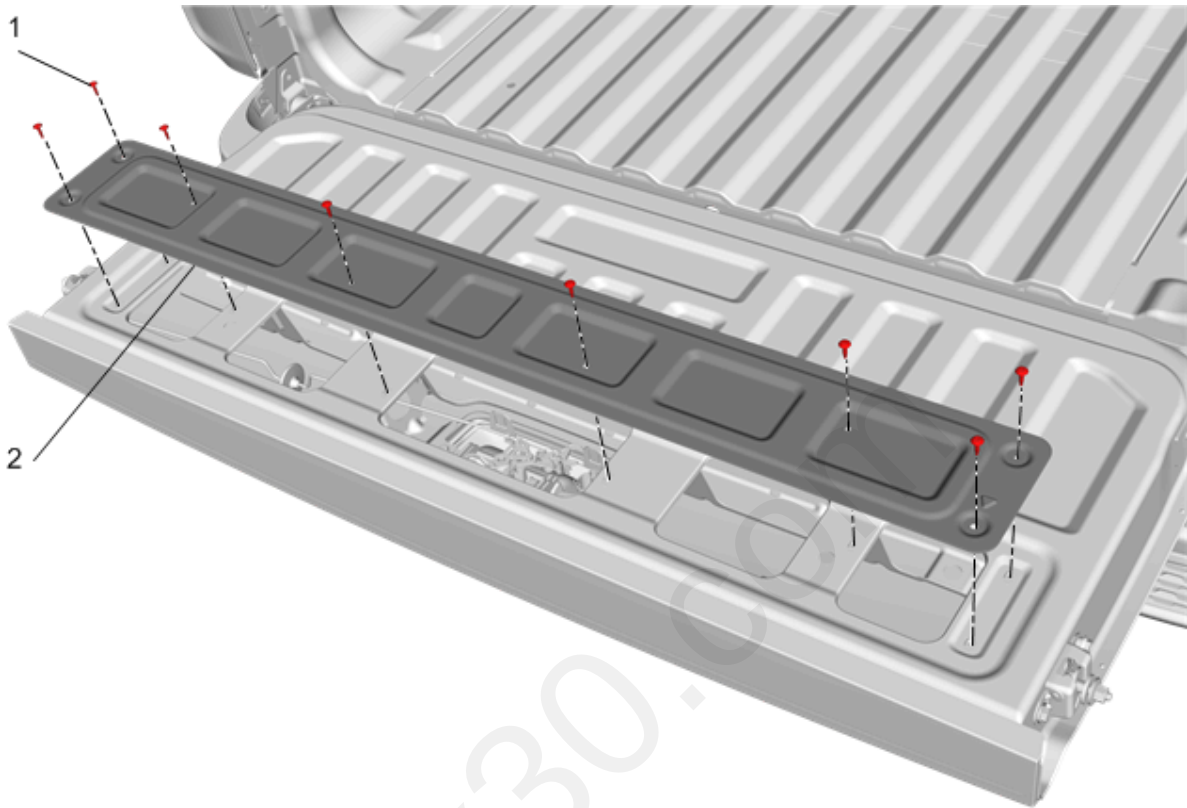


Fig. 5: Pickup Box Endgate Access Hole Cover Panel

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure 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

Removal Procedure

1. Remove both rear wheelhouse liners. Refer to [Rear Wheelhouse Liner Replacement](#)
2. Loosen the fuel tank filler pipe from the pickup box. Refer to [Fuel Tank Filler Hose Replacement](#) .

the Pickup box endgate. Refer to [Pickup Box Endgate Replacement](#).

4. Remove the spare wheel hoist lock cylinder. [Spare Wheel Hoist Lock Cylinder Replacement](#)

5. Disconnect all electrical connectors and wiring harnesses from the pickup box.

NOTE: Apply tape/protection to the areas where the pickup box, cab and rear bumper would meet to prevent damage to the painted surfaces.

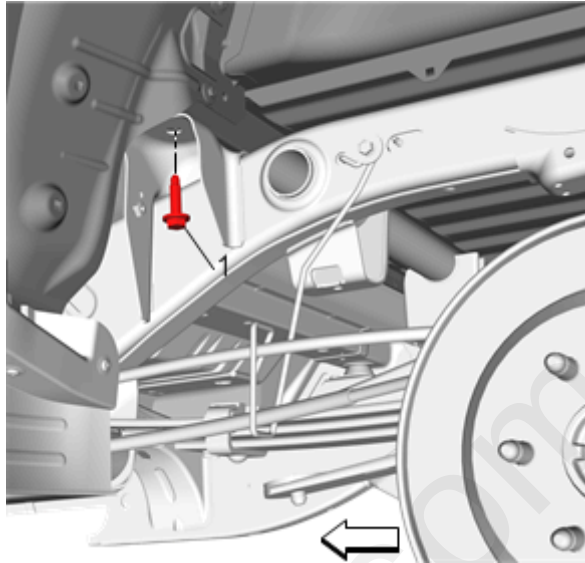


Fig. 6: Front Pickup Box Bolt

Courtesy of GENERAL MOTORS COMPANY

6. Remove the front pickup box bolt (1) on both sides.

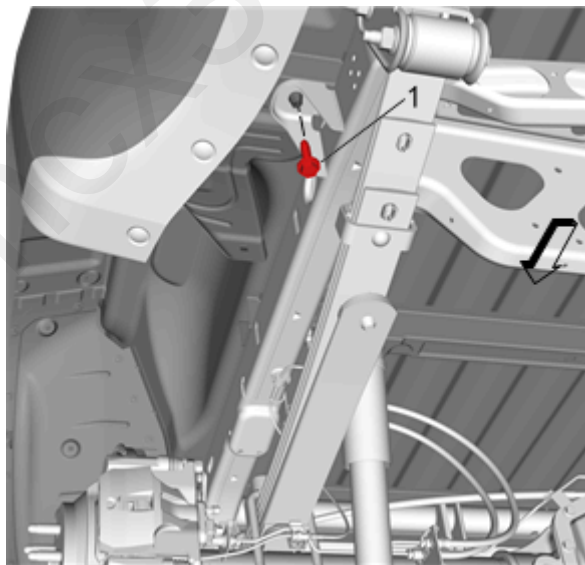


Fig. 7: Middle Pickup Box Bolt

Courtesy of GENERAL MOTORS COMPANY

7. Remove the middle pickup box bolt (1) on both sides.

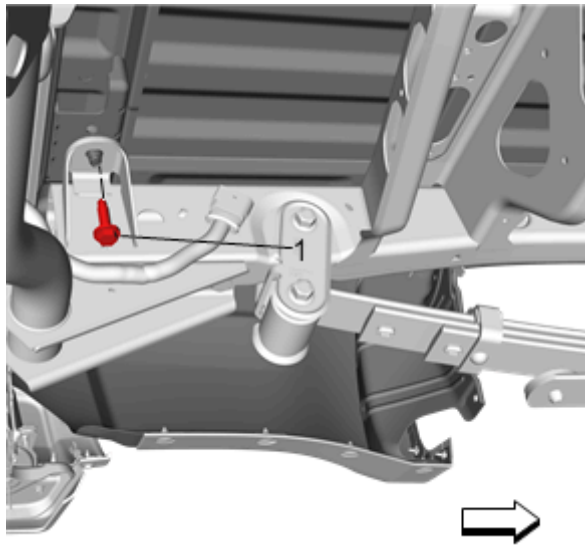


Fig. 8: Rear Pickup Box Bolt

Courtesy of GENERAL MOTORS COMPANY

8. Remove the rear pickup box bolt (1) on both sides.

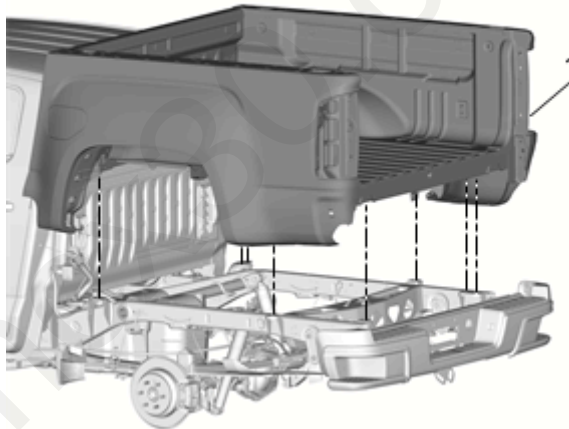


Fig. 9: Pickup Box

Courtesy of GENERAL MOTORS COMPANY

9. With the aid of assistants remove the pickup box and place on suitable stands.
10. Transfer any parts as needed if replacing the pickup box.

Installation Procedure

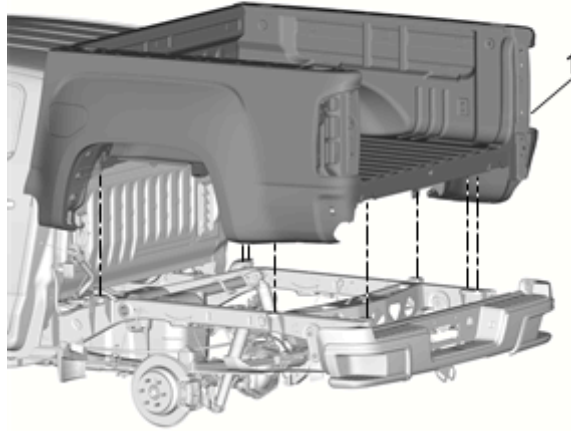


Fig. 10: Pickup Box

Courtesy of GENERAL MOTORS COMPANY

1. Use the alignment pins on the pickup box to help install the pickup box.

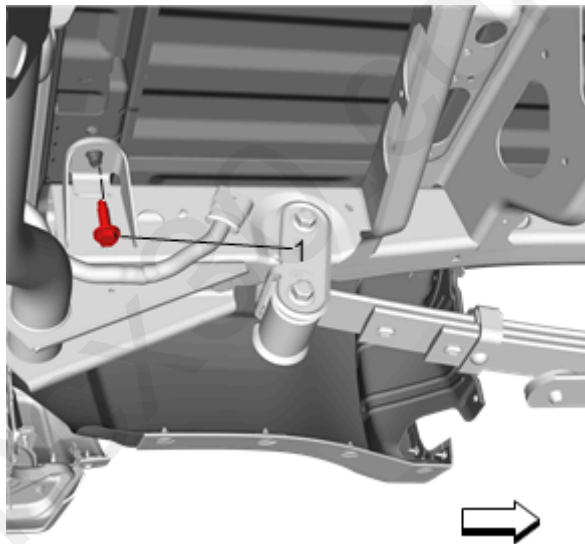


Fig. 11: Rear Pickup Box Bolt

Courtesy of GENERAL MOTORS COMPANY

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

2. Install the rear pickup box bolt (1) on both sides. Tighten bolts 85 N.m (63 lb ft).

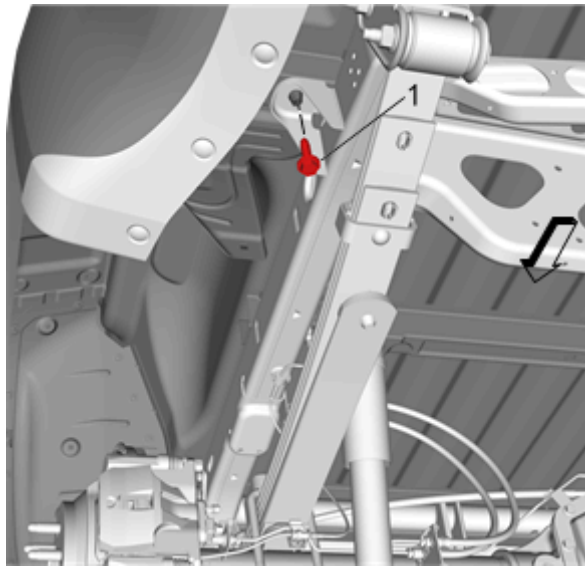


Fig. 12: Middle Pickup Box Bolt

Courtesy of GENERAL MOTORS COMPANY

3. Install the middle pickup box bolt (1) on both sides. Tighten bolts 85 N.m (63 lb ft)

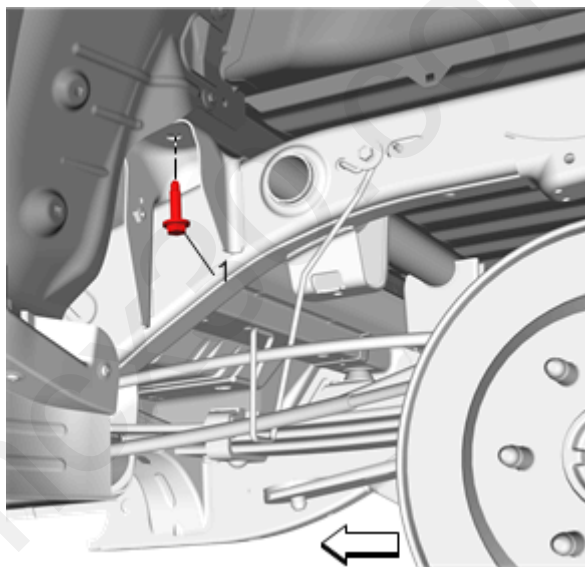


Fig. 13: Front Pickup Box Bolt

Courtesy of GENERAL MOTORS COMPANY

4. Install the front pickup box bolt (1) on both sides. Tighten bolts 85 N.m (63 lb ft)
5. Install both rear wheelhouse liners. Refer to [Rear Wheelhouse Liner Replacement](#)
6. Install the fuel tank filler pipe to the pickup box. Refer to [Fuel Tank Filler Hose Replacement](#).
7. Install the Pickup box endgate. Refer to [Pickup Box Endgate Replacement](#).
8. Install the spare wheel hoist lock cylinder. [Spare Wheel Hoist Lock Cylinder Replacement](#)
9. Reconnect all electrical connectors and wiring harnesses to the pickup box.

PICKUP BOX WHEELHOUSE PANEL REPLACEMENT

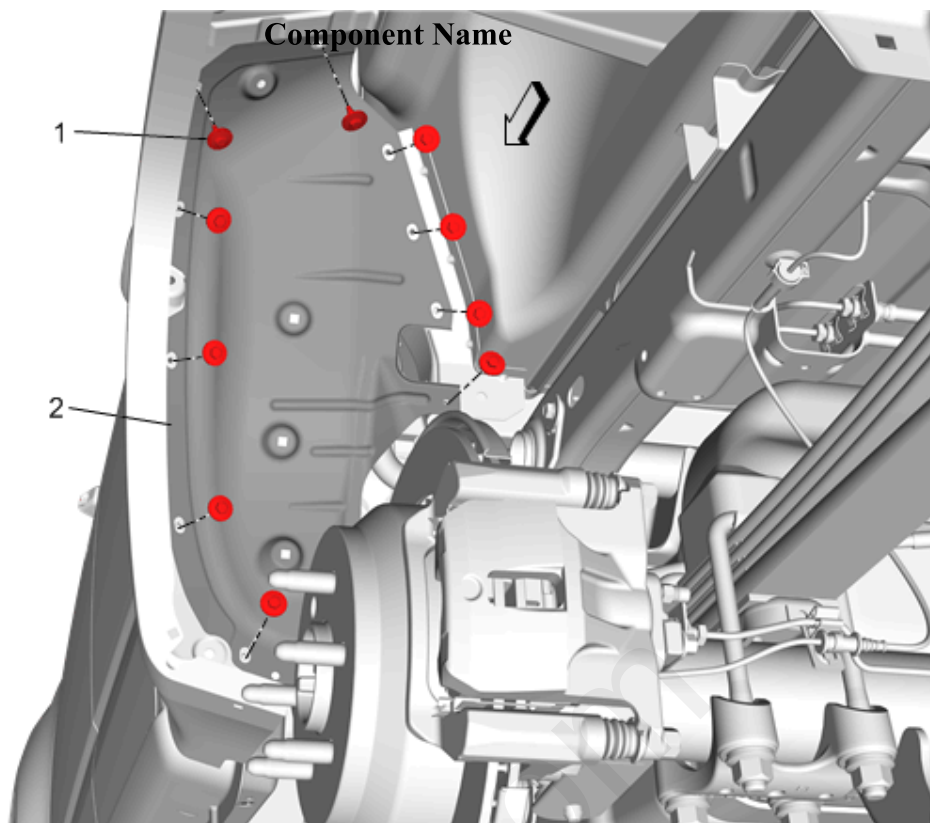


Fig. 14: Pickup Box Wheelhouse Panel

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Remove the rear wheelhouse liner. Refer to Rear Wheelhouse Liner Replacement	
1	Pickup Box Wheelhouse Panel Bolt (Qty 10) CAUTION: Refer to Fastener Caution . Tighten 12 N.m (106 lb in)
2	Pickup Box Wheelhouse Panel

FRONT END SHEET METAL DIAGONAL BRACE REPLACEMENT

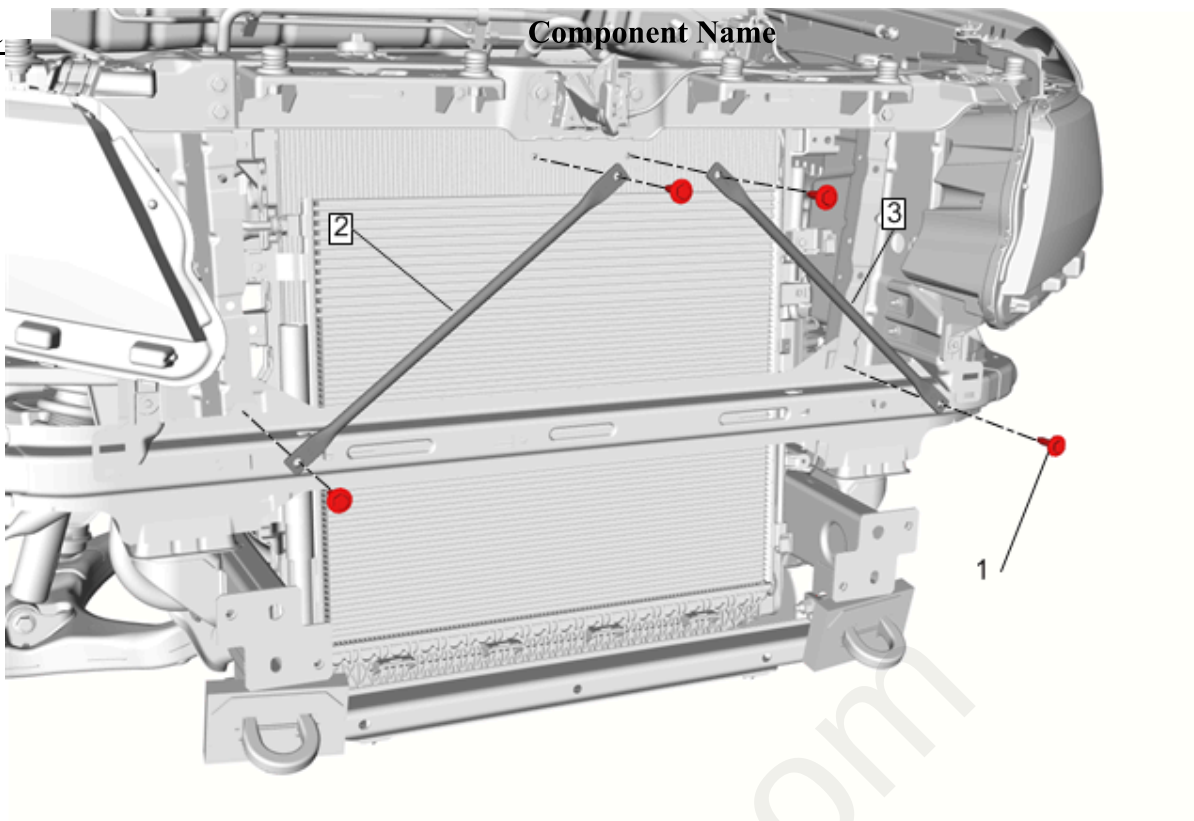


Fig. 15: Front End Sheet Metal Diagonal Brace
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Front Bumper Shutter Replacement</u>	
1	Front End Sheet Metal Diagonal Brace Bolt (Qty: 4) CAUTION: Refer to <u>Fastener Caution</u> . Tighten 22 N.m (16 lb ft)
2	Front End Sheet Metal Diagonal BraceRight Side
3	Front End Sheet Metal Diagonal BraceLeft Side

FRONT FENDER REAR UPPER STIFFENER REPLACEMENT

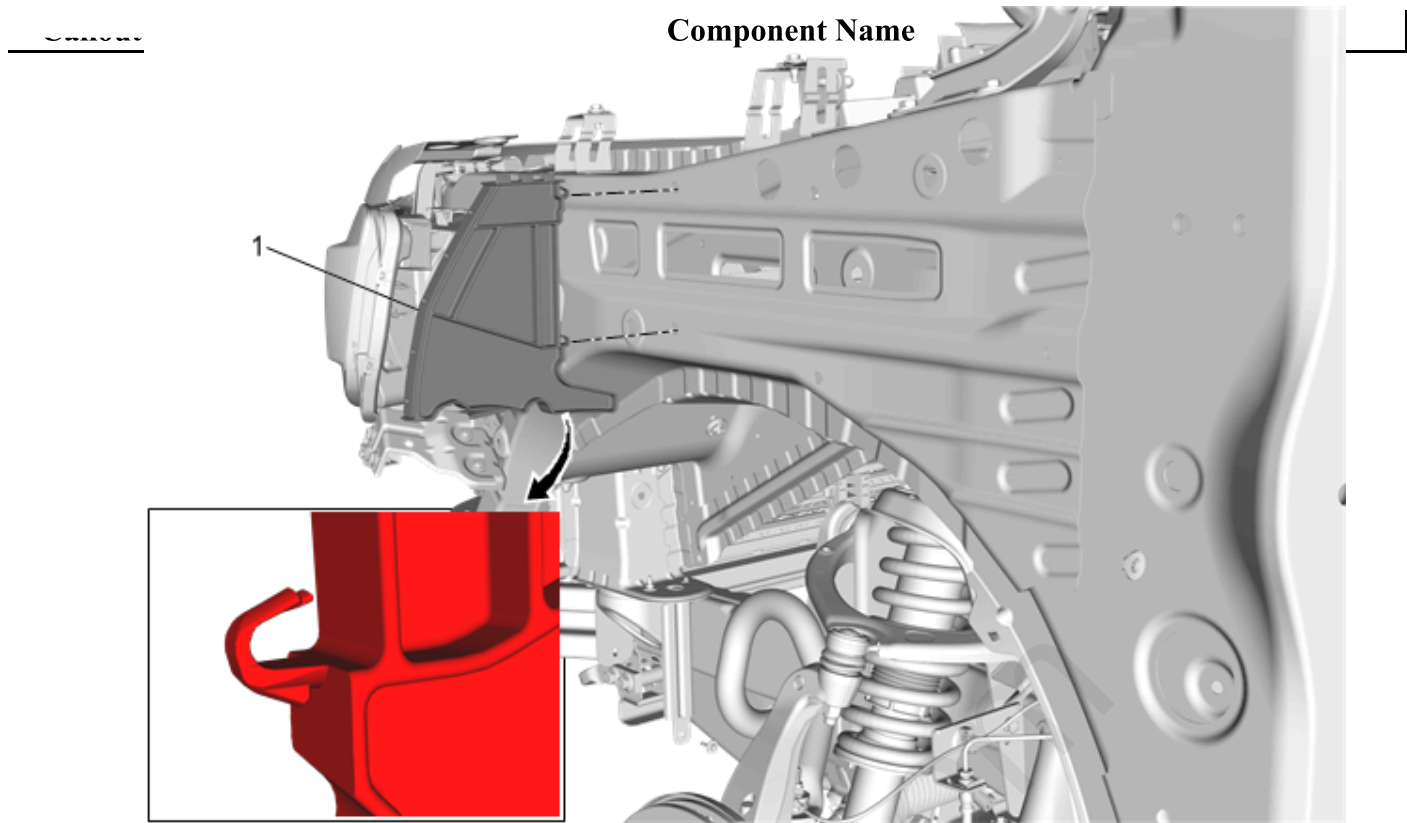


Fig. 16: Front Fender Rear Upper Stiffener
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Remove either the left hand or right hand fender. Refer to <u>Front Fender Replacement - Left Side</u> , <u>Front Fender Replacement - Right Side</u>	
1	Front Fender Rear Upper Stiffener Procedure 1. Release the upper and lower integral retainers. 2. Pull the front fender rear upper stiffener from the upper side rail.

HOOD PRIMARY LATCH RELEASE CABLE REPLACEMENT

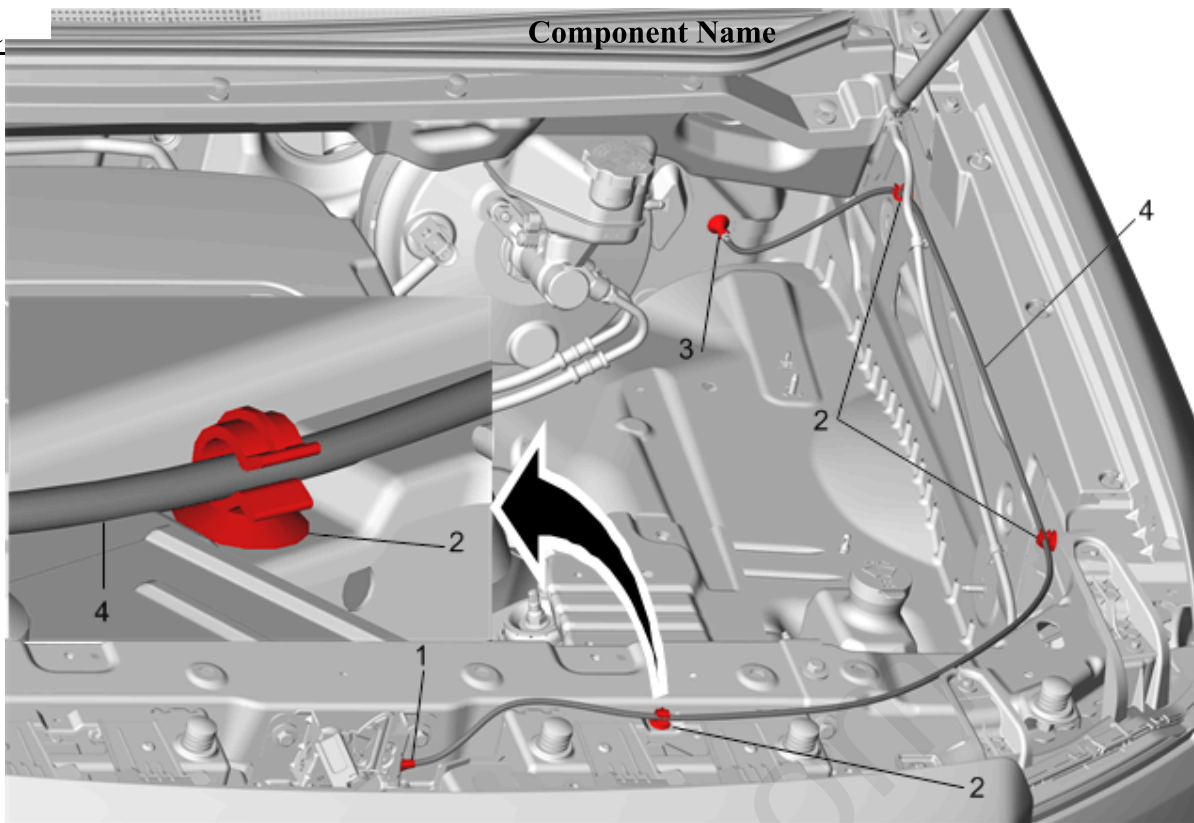
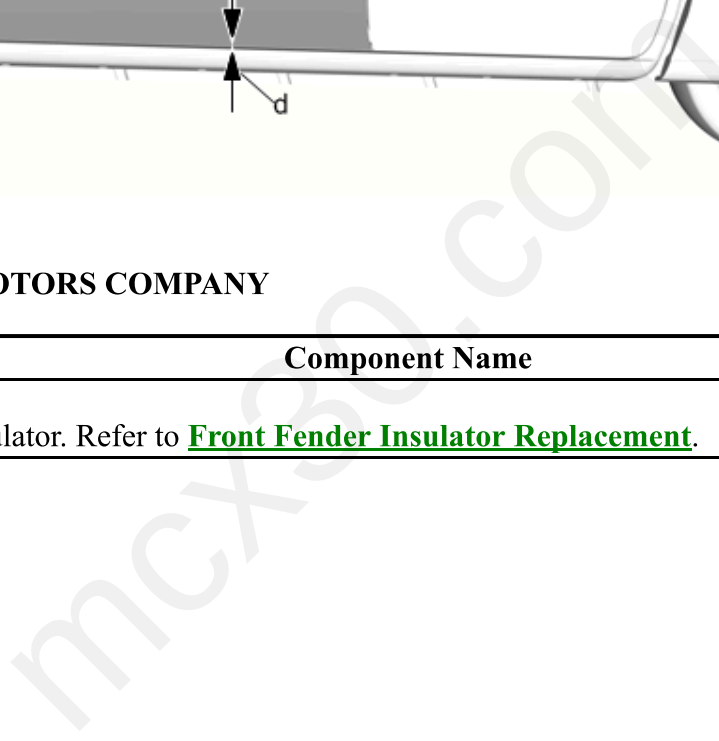


Fig. 17: Hood Primary Latch Release Cable
 Courtesy of GENERAL MOTORS COMPANY

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: 3) 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 Procedure 1. Disconnect the hood primary latch release cable from the hood latch cable handle 2. Attach mechanics wire to the cable and pull the cable out. 3. Attach mechanics wire to the new cable and guide in.

FRONT SIDE DOOR ADJUSTMENT



Courtesy of GENERAL MOTORS COMPANY

Component Name
ulator. Refer to <u>Front Fender Insulator Replacement.</u>

	Component Name
1	Front Side Door CAUTION: Refer to Fastener Caution . Procedure 1. Loosen the 4 front side door hinge fasteners to adjust the front side door. 2. Adjust the front side door in order to obtain the specified gap between the front side door and the roof, the rear door, the rocker panel and the front fender. Adjustment • Front side door to roof (a) 4.5 mm $\hat{A}\pm 1.25$ mm (0.18 in $\hat{A}\pm 0.05$ in) • Front side door to rear door (above belt) (b) 4.0 mm $\hat{A}\pm 0.75$ mm (0.16 in $\hat{A}\pm 0.03$ in) • Front side door to rear door (below belt) (c) 4.0 mm $\hat{A}\pm 0.75$ mm (0.16 in $\hat{A}\pm 0.03$ in) • Front side door to rocker panel (d) 5.0 mm $\hat{A}\pm 1.0$ mm (0.20 in $\hat{A}\pm 0.04$ in) • Front side door to fender (e) 4.0 mm $\hat{A}\pm 0.75$ mm (0.16 in $\hat{A}\pm 0.03$ in) Tighten 25 N.m (19 lb ft) NOTE: If door drags on the door lock striker or high closing effort is needed to fully engage the door lock, then adjustment of the door lock striker will be required. Front Side Door Lock Striker Adjustment (Crew Cab) Front Side Door Lock Striker Adjustment (Extended Cab)

FRONT SIDE DOOR REPLACEMENT

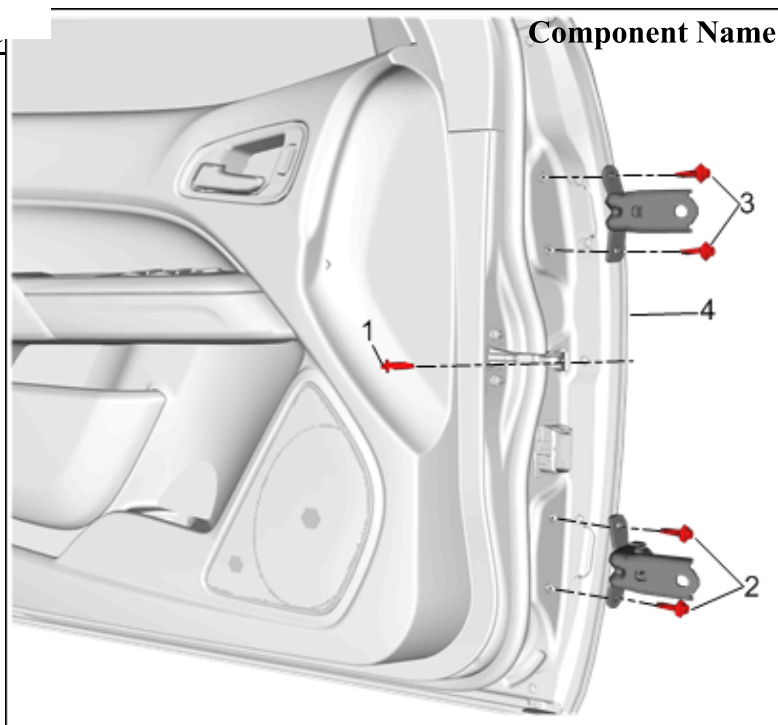


Fig. 19: Front Side Door

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
WARNING: In order to prevent SIR deployment, personal injury, or unnecessary SIR system repairs, do not strike the door or the door pillar in the area of the side impact sensor (SIS). Turn OFF the ignition and remove the key when performing service in the area of the SIS.	
Preliminary Procedures 1. Apply a double layer of masking tape around the perimeter of the painted surfaces. 2. Open the door to the full open position. 3. Disable the supplementary inflatable restraint (SIR) system. Refer to SIR Disabling and Enabling. 4. Disconnect the electrical connector. 5. Mark the location of the hinges before removing the fasteners with a grease pencil.	
1	Front Side Door Check Link Fastener to Body CAUTION: Refer to Fastener Caution . Tighten 22 N.m (16 lb ft)

Callout	Component Name
2	Front Side Door Lower Hinge Fastener to Door (Qty: 2) Procedure Support the door before removing the hinge fasteners. Tighten 25 N.m (18 lb ft)
3	Front Side Door Upper Hinge Fastener to Door (Qty: 2) Tighten 25 N.m (18 lb ft)
4	Front Side Door Procedures 1. With an assistant, remove the door. 2. If replacing the door, transfer all necessary components. 3. Adjust the door as needed. Refer to Front Side Door Adjustment . NOTE: Inspect the door for proper operation before installing the door trim.

REAR SIDE DOOR ADJUSTMENT (CREW CAB)

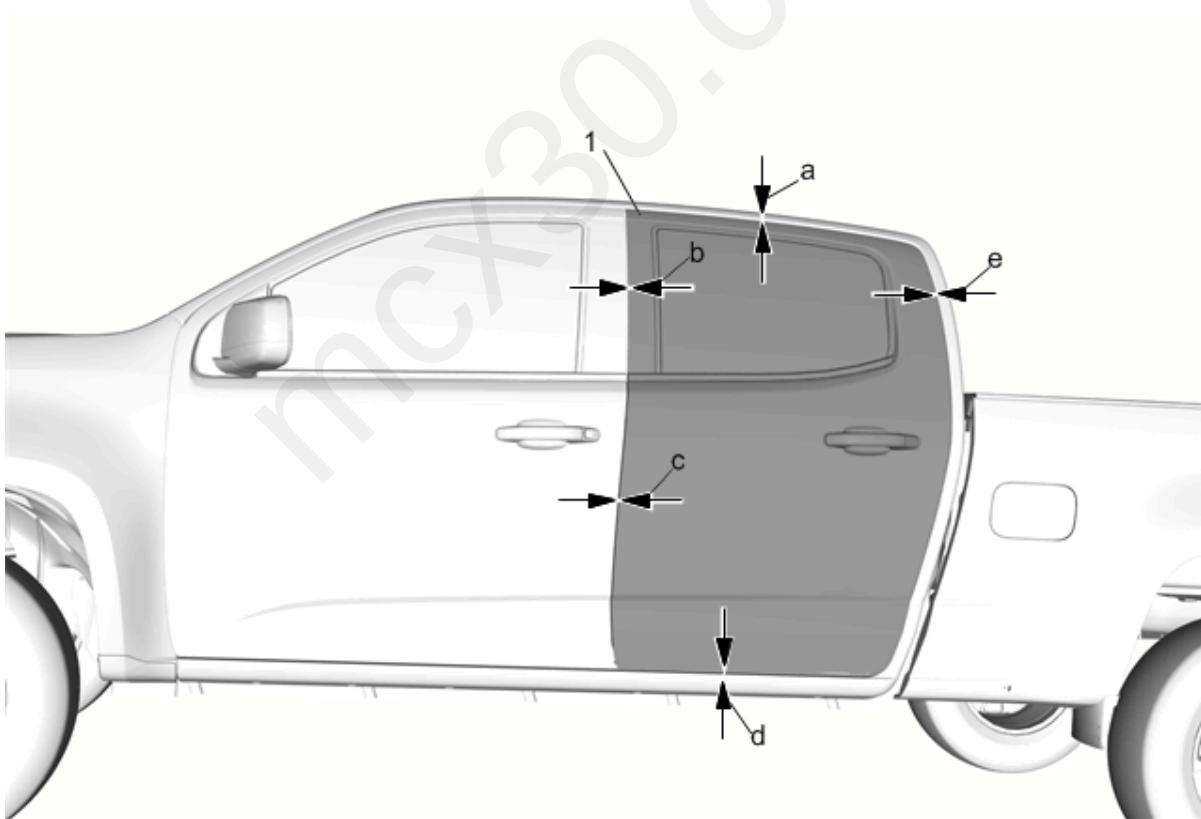


Fig. 20: Rear Side Door (Crew Cab)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name

	Component Name
1	Rear Side Door CAUTION: Refer to Fastener Caution . Procedure 1. Loosen the rear door hinge bolts (Qty: 4) to adjust the rear door. 2. Adjust the rear door in order to obtain an even gap around as follows: Adjustment • Rear side door to roof (a) 4.7 mm $\hat{\pm}$ 1.0 mm (0.19 in $\hat{\pm}$ 0.05 in) • Rear side door to edge of cab panel (b) 4.7 mm $\hat{\pm}$ 1.0 mm (0.19 in $\hat{\pm}$ 0.05 in) • Lower edge of rear side door to rocker panel (c) 5.5 mm $\hat{\pm}$ 1.0 mm (0.21 in $\hat{\pm}$ 0.05 in) • Rear side door to front side door (d) 4.7 mm $\hat{\pm}$ 1.0 mm (0.19 in $\hat{\pm}$ 0.05 in) • Rear side door to body side outer (e) 4.0 mm $\hat{\pm}$ 0.75 mm (0.16 in $\hat{\pm}$ 0.05 in) Tighten 34 N.m (25 lb ft) NOTE: If door drags on the door lock striker or high closing effort is needed to fully engage the door lock, then adjustment of the door lock striker will be required. Rear Side Door Lock Striker Adjustment (Crew Cab)

REAR SIDE DOOR ADJUSTMENT (EXT CAB)

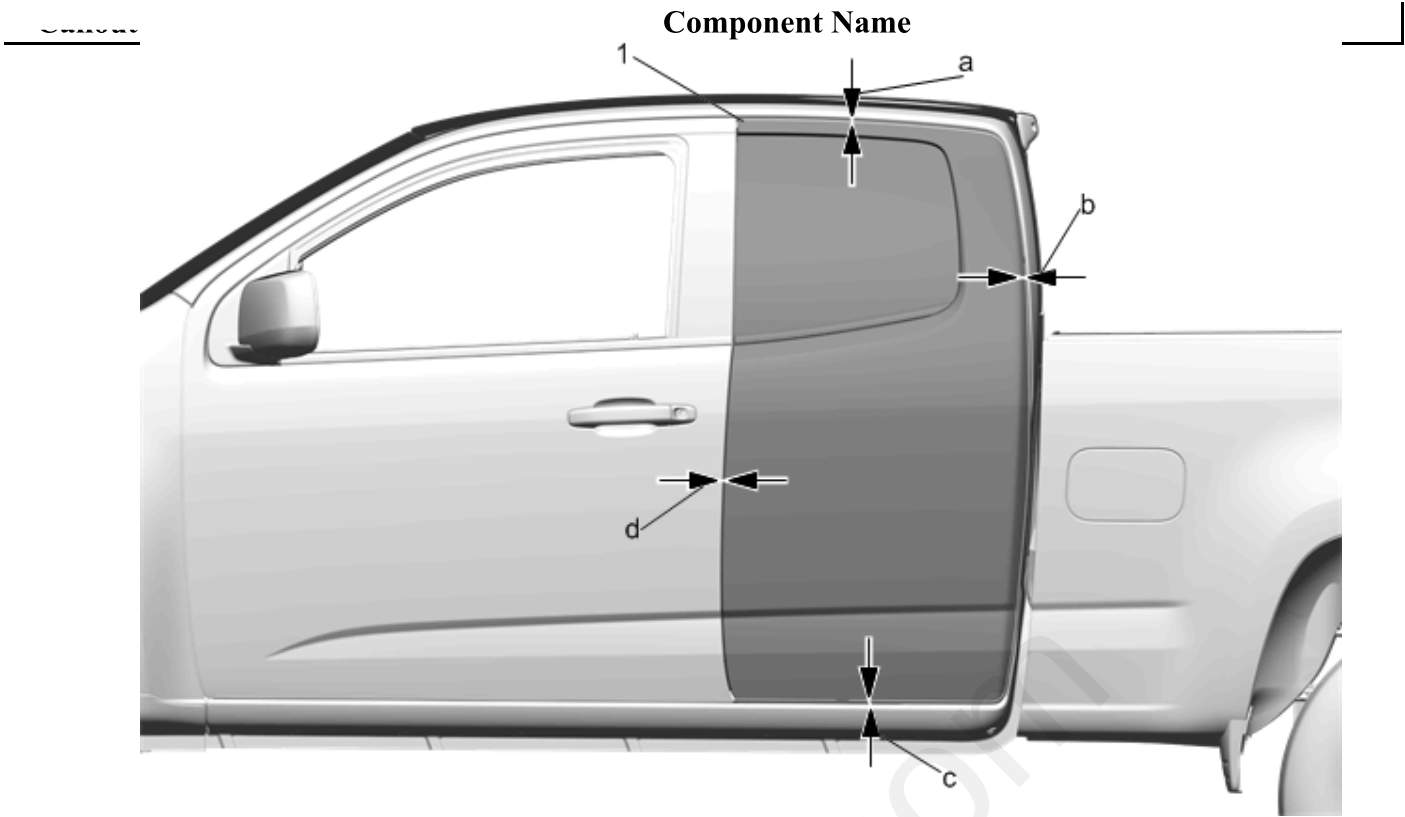
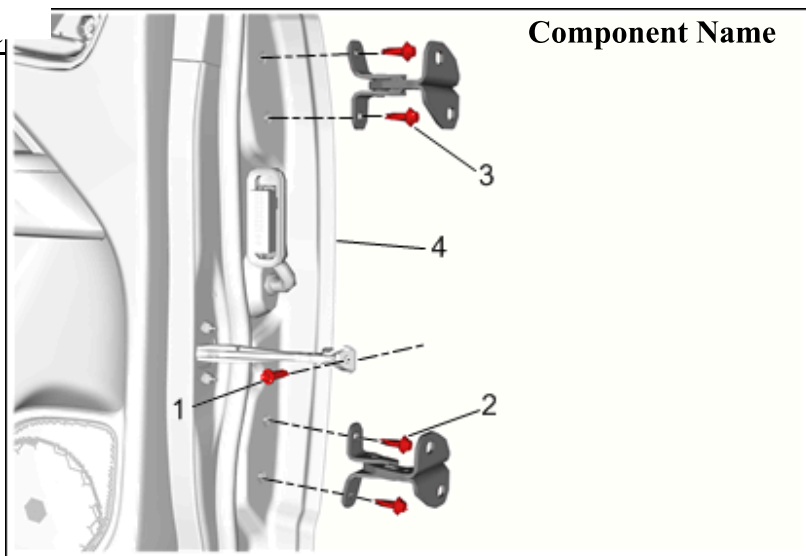


Fig. 21: Rear Side Door (Extended Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name

	Component Name
1	Rear Side Door CAUTION: Refer to Fastener Caution . Procedure - Loosen the rear door hinge bolts (Qty: 6) to adjust the rear door. - Adjust the rear door in order to obtain an even gap around as follows: Adjustment - Rear side door to roof (a) U/D Gap: $4.5 \hat{\pm} 1.25$ // within 1.25 - C/C Flush: $3.0 \hat{\pm} 1.5$ (Doors sub-Flush) - Flush Alignment: within 1.5 - Rear side door to edge of cab panel (b) F/A Gap: $4.0 \hat{\pm} 0.75$ // within 1.0 (CC) - C/C Flush: $0.25 \hat{\pm} 1.0$ // within 1.0 (BSO sub-flush) (CC) - C/C Gap: $6.0 \hat{\pm} 1.25$ // within 1.0 (EC) - Flush: $0.5 \hat{\pm} 1.0$ // within 1.0 (BSO sub-flush) (EC) - Lower edge of rear side door to rocker panel (c) U/D Gap: $1.8 \hat{\pm} 0.5$ - Rear side door to to front side door (d) F/A Gap: $4.0 \hat{\pm} 0.75$ // within 1.0 - C/C Flush: $0.25 \hat{\pm} 1.0$ // within 1.0 (Rear Door sub-flush) Tighten 32 N.m (24 lb ft) NOTE: If door drags on the door lock striker or high closing effort is needed to fully engage the door lock, then adjustment of the door lock striker will be required. Rear Side Door Lock Striker Adjustment (Extended Cab)

REAR SIDE DOOR REPLACEMENT (CREW CAB)



Component Name

Fig. 22: Rear Side Door (Crew Cab)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
WARNING: In order to prevent SIR deployment, personal injury, or unnecessary SIR system repairs, do not strike the door or the door pillar in the area of the side impact sensor (SIS). Turn OFF the ignition and remove the key when performing service in the area of the SIS.	
Preliminary Procedures 1. Apply a double layer of masking tape around the perimeter of the painted surfaces. 2. Open the door to the full open position. 3. Disable the supplementary inflatable restraint (SIR) system. Refer to SIR Disabling and Enabling. 4. Disconnect the electrical connector. 5. Mark the location of the hinges before removing the fasteners with a grease pencil.	
1	Rear Side Door Check Link Fastener to Body CAUTION: Refer to Fastener Caution . Tighten 22 N.m (16 lb ft)

Callout	Component Name
2	Rear Side Door Lower Hinge Fastener to Door (Qty: 2) Procedure Support the door before removing the hinge fasteners. Tighten 25 N.m (18 lb ft)
3	Rear Side Door Upper Hinge Fastener to Door (Qty: 2) Tighten 25 N.m (18 lb ft)
4	Rear Side Door Procedures 1. With an assistant, remove the door. 2. If replacing the door, transfer all necessary components. 3. Adjust the door as needed. Refer to Rear Side Door Adjustment (Crew Cab). NOTE: Inspect the door for proper operation before installing the door trim.

REAR SIDE DOOR REPLACEMENT (EXTENDED CAB)

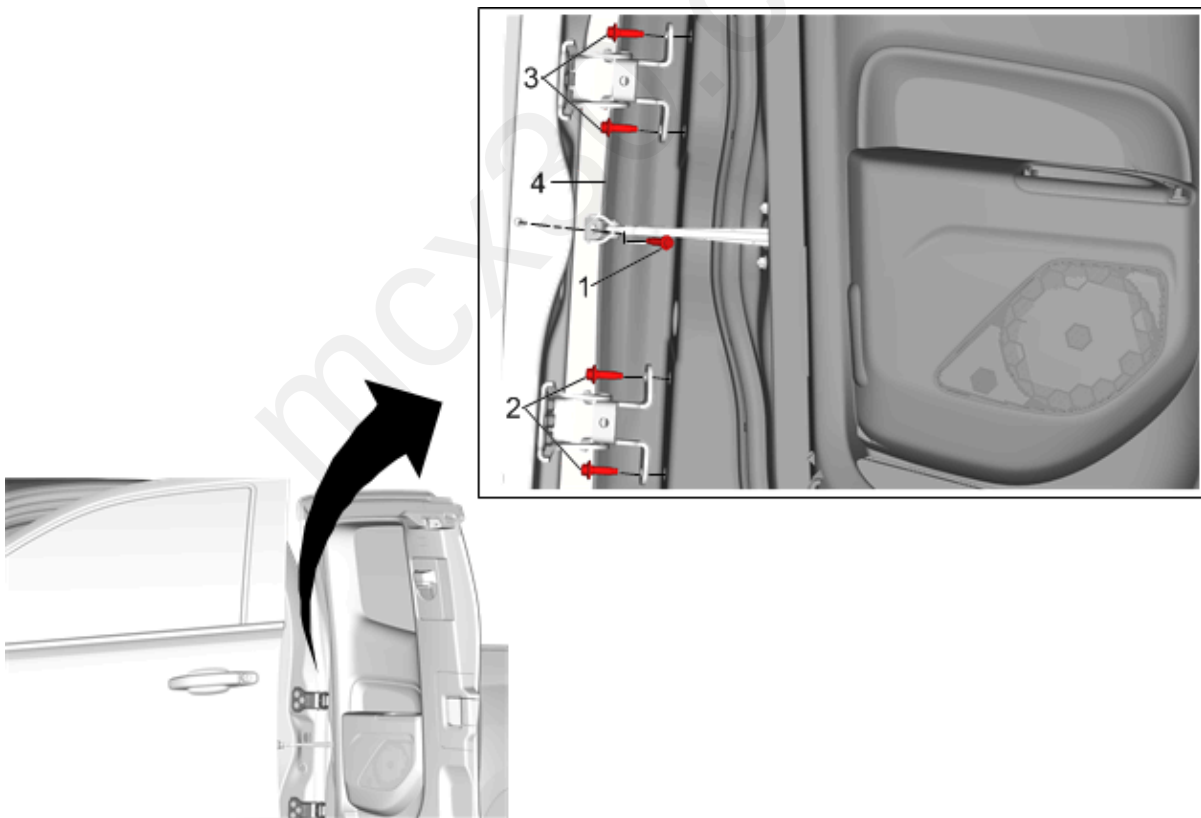


Fig. 23: Rear Side Door (Extended Cab)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name

Component Name

WARNING:

In order to prevent SIR deployment, personal injury, or unnecessary SIR system repairs, do not strike the door or the door pillar in the area of the side impact sensor (SIS). Turn OFF the ignition and remove the key when performing service in the area of the SIS.

Preliminary Procedures

1. Apply a double layer of masking tape around the perimeter of the painted surfaces.
2. Open the door to the full open position.
3. Disable the supplementary inflatable restraint (SIR) system. Refer to [SIR Disabling and Enabling](#).
4. Remove the rear side door trim. Refer to [Rear Side Door Trim Replacement \(Extended Cab\)](#).
5. Disconnect the electrical connector.
6. Unclip and remove the wiring harness from the door.
7. Mark the location of the hinges before removing the fasteners with a grease pencil.

1	Rear Side Door Check Link Fastener to Body CAUTION: Refer to Fastener Caution . Tighten 22 N.m (16 lb ft)
2	Rear Side Door Lower Hinge Fastener to Door (Qty: 2) Procedure Support the door before removing the hinge fasteners. Tighten 25 N.m (18 lb ft)
3	Rear Side Door Upper Hinge Fastener to Door (Qty: 2) Tighten 25 N.m (18 lb ft)
4	Rear Side Door Procedures 1. With an assistant, remove the door. 2. If replacing the door, transfer all necessary components. 3. Adjust the door as needed. Refer to Rear Side Door Adjustment (Ext Cab). NOTE: Inspect the door for proper operation before installing the door trim.

PICKUP BOX LINER FRONT WEATHERSTRIP REPLACEMENT

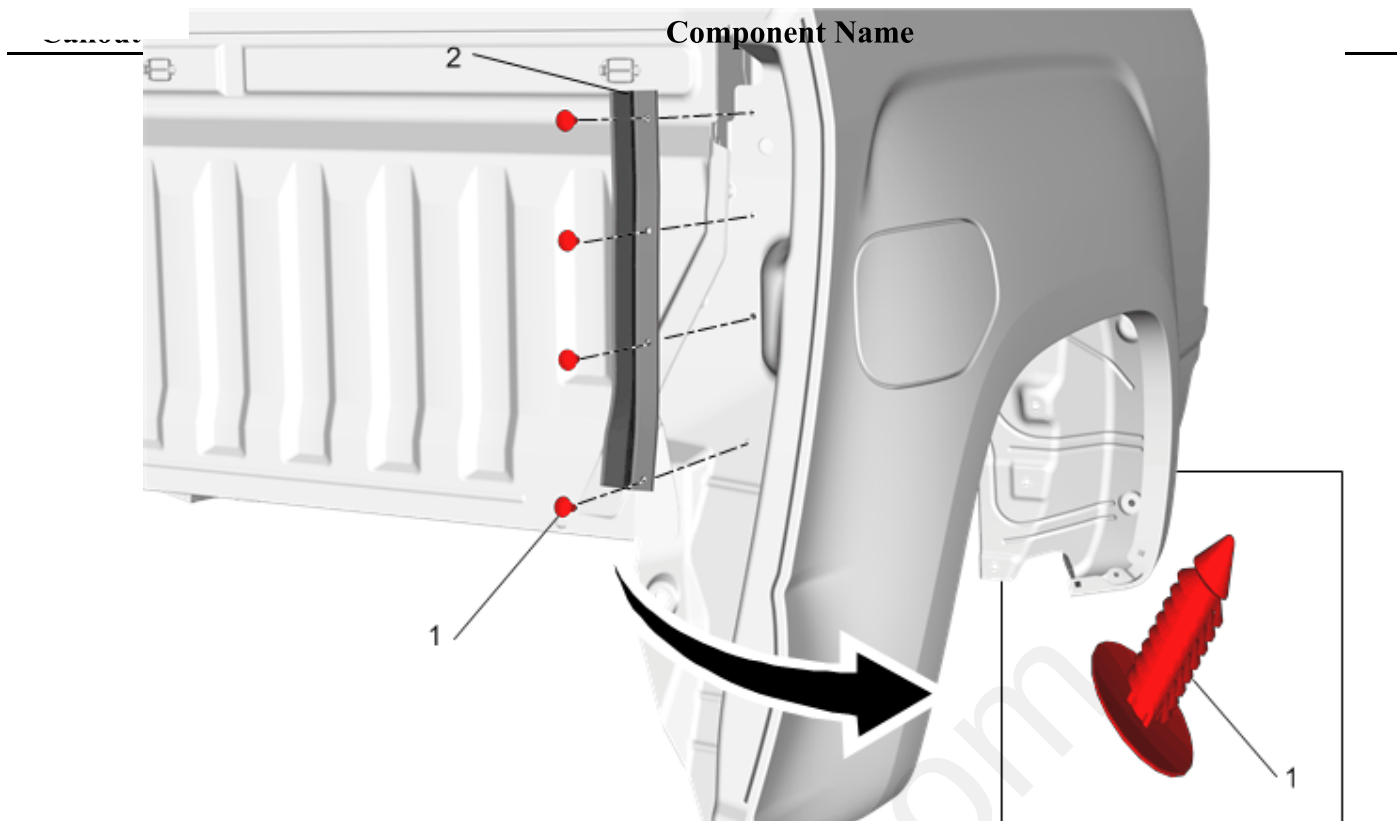


Fig. 24: Pickup Box Liner Front Weatherstrip
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure	
Remove the pickup box. Refer to Pickup Box Replacement	
1	Pickup Box Liner Front Weatherstrip Retainer (Qty: 4)
2	Pickup Box Liner Front Weatherstrip

FRONT FENDER REPLACEMENT - LEFT SIDE

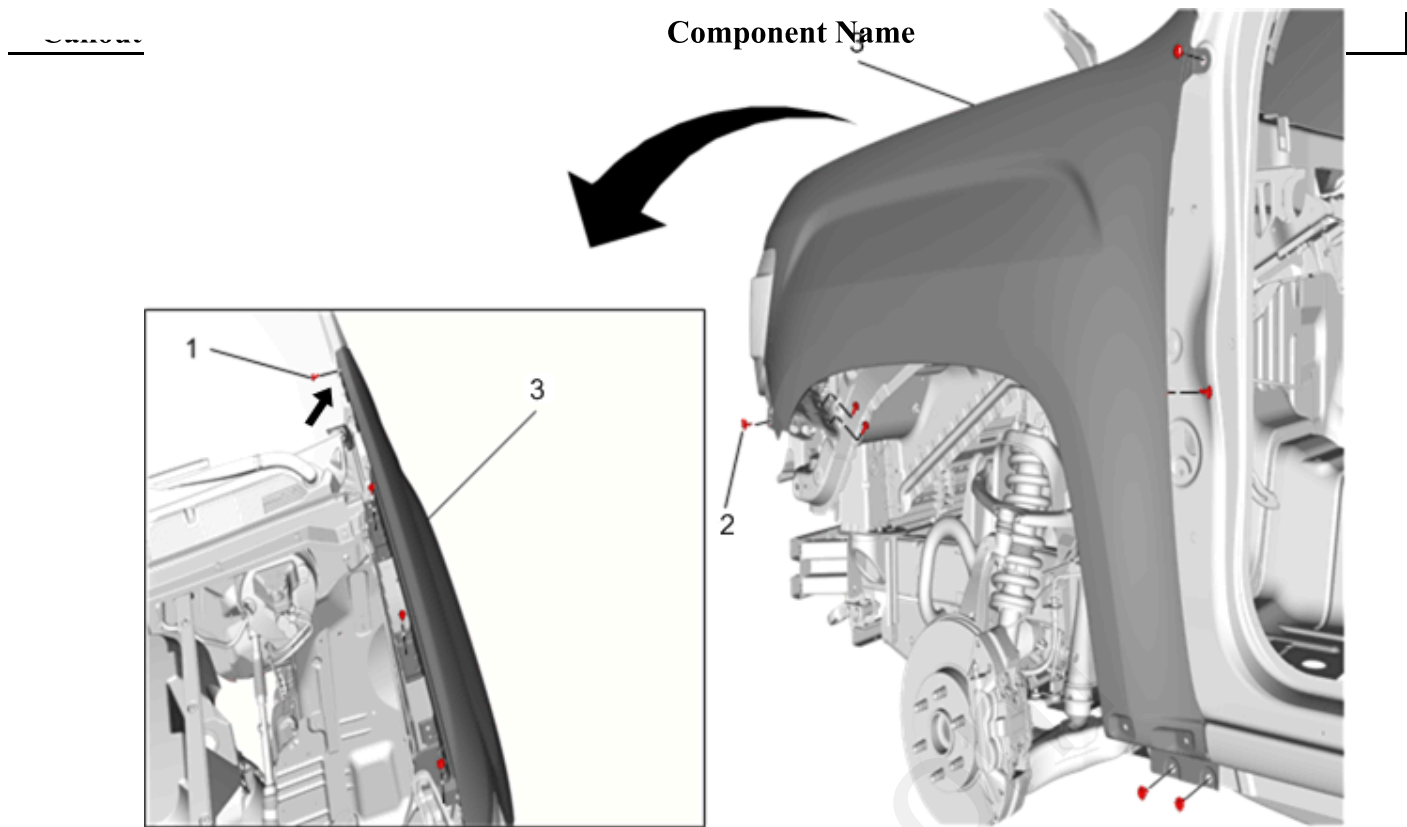


Fig. 25: Front Fender - Left Side
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Remove the front bumper fascia. Refer to Front Bumper Fascia Replacement (GMC) Front Bumper Fascia Replacement (Chevrolet) 2. Remove the left hand air inlet grille extension. Refer to Air Inlet Grille Panel Extension Replacement 3. Remove the front compartment side sight shield. Refer to Front Compartment Side Sight Shield Replacement 4. Remove the front fender paint protector if equipped. Refer to Front Fender Paint Protector Replacement 5. Reposition the hood release cable. 6. Reposition the windshield washer hose.	

	Component Name
1	Left Front Fender Upper Bolt CAUTION: Refer to Fastener Caution . Procedure Using ball end TORX driver to loosen bolt only, bolt does not have to be removed as fender is slotted. NOTE: Place protective covering over windshield at top rear bolt to prevent windshield breakage (arrow). Tighten 9 N.m (80 lb in)
2	Left Front Fender Bolt (Qty: 10) Tighten 9 N.m (80 lb in)
3	Left Front Fender Procedure Transfer any necessary additional parts as needed.

FRONT FENDER REPLACEMENT - RIGHT SIDE

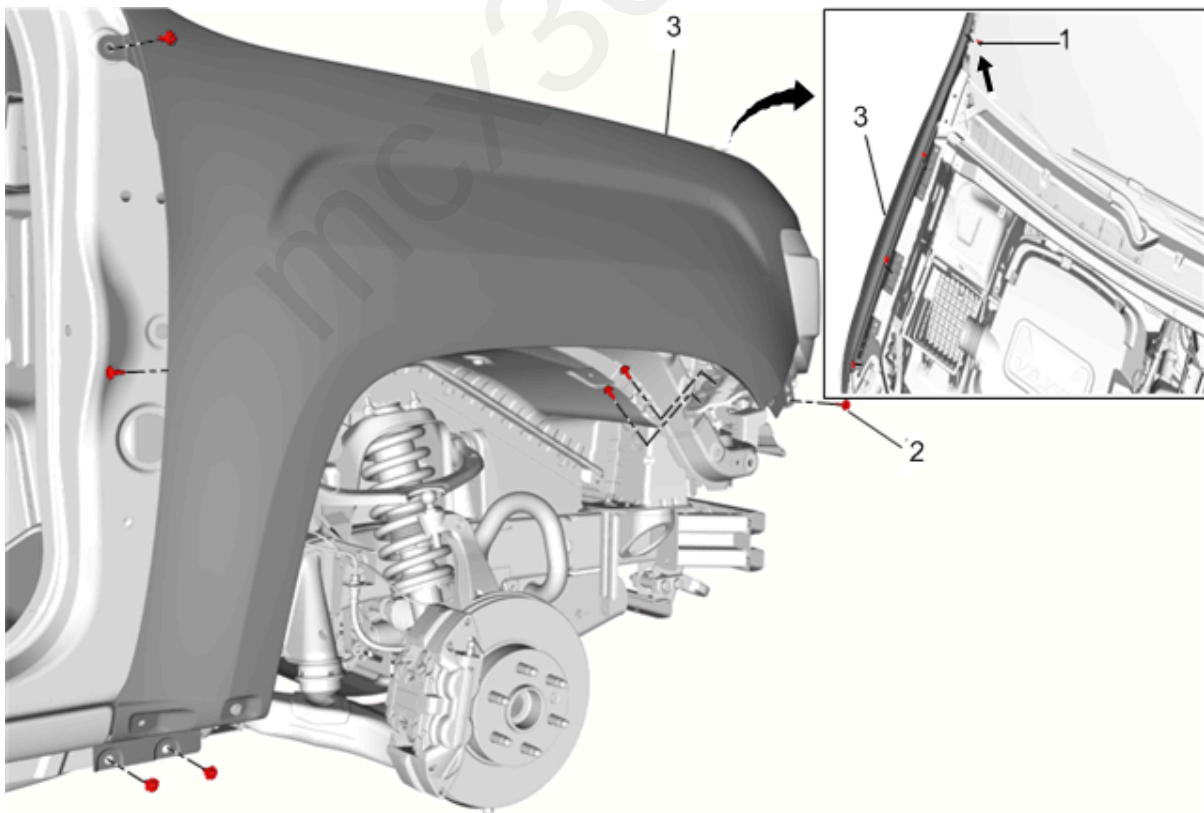


Fig. 26: Front Fender - Right Side

Courtesy of GENERAL MOTORS COMPANY

	Component Name
	Preliminary Procedures 1. Remove the front bumper fascia. Refer to Front Bumper Fascia Replacement (GMC) Front Bumper Fascia Replacement (Chevrolet) 2. Remove the intake air splash shield. Refer to Intake Air Splash Shield Replacement 3. Remove the right hand air inlet grille extension. Refer to Air Inlet Grille Panel Extension Replacement 4. Remove the front compartment side sight shield. Refer to Front Compartment Side Sight Shield Replacement 5. Remove the front fender paint protector if equipped. Refer to Front Fender Paint Protector Replacement
1	Right Front Fender Upper Bolt CAUTION: Refer to Fastener Caution . Procedure Using ball end TORX driver to loosen bolt only, bolt does not have to be removed as fender is slotted. NOTE: Place protective covering over windshield at top rear bolt to prevent windshield breakage (arrow). Tighten 9 N.m (80 lb in)
2	Right Front Fender Bolt (Qty: 10) Tighten 9 N.m (80 lb in)
3	Right Front Fender Procedure Transfer any necessary additional parts as needed.

PICKUP BOX ENDGATE BODY SIDE HINGE REPLACEMENT

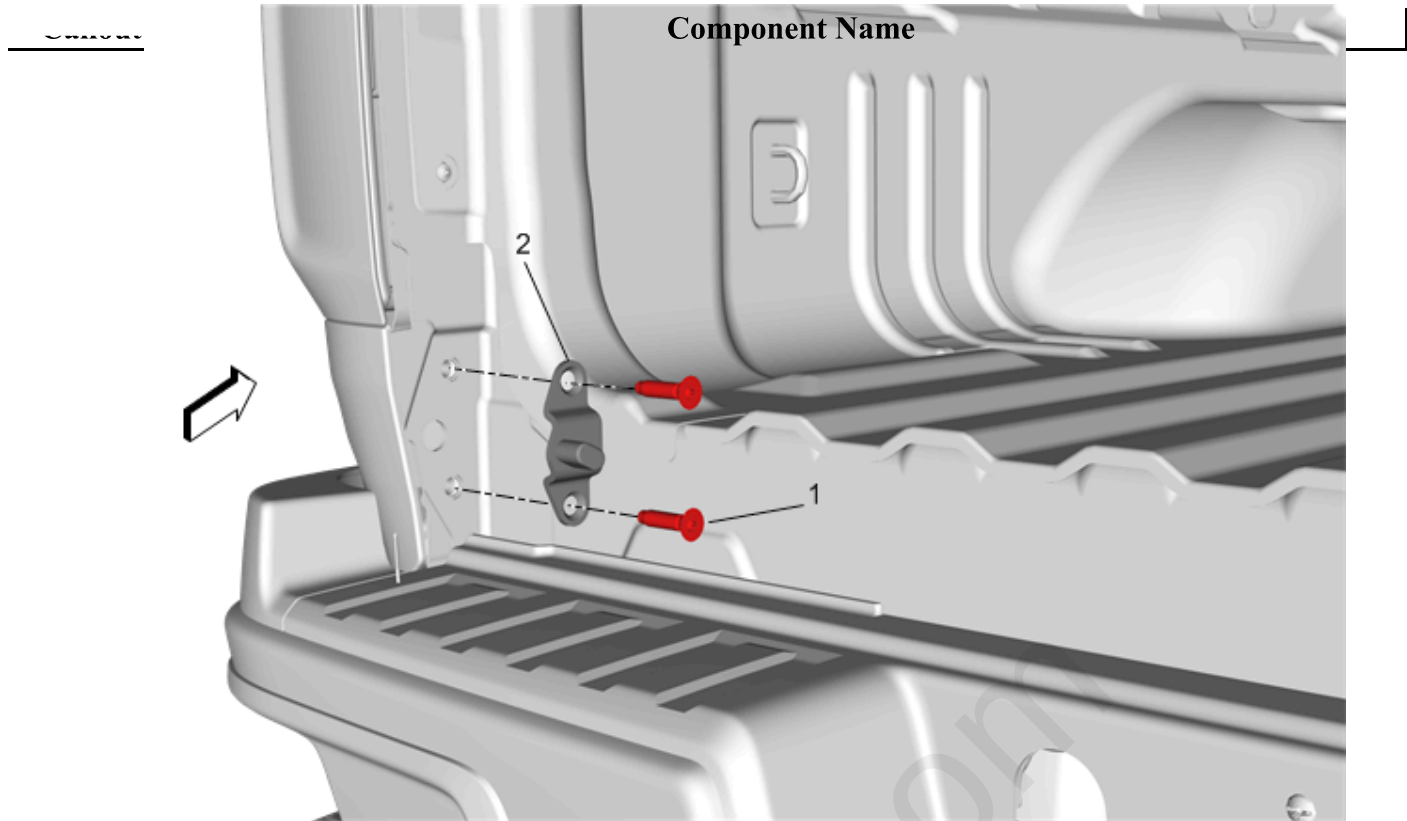


Fig. 27: Pickup Box Endgate Body Side Hinge
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Remove the pickup box endgate. Refer to Pickup Box Endgate Replacement .	
1	Pickup Box Endgate Body Side Hinge Bolt (Qty: 2) CAUTION: Refer to Fastener Caution . Tighten 40 N.m (30 lb ft)
2	Pickup Box Endgate Body Side Hinge

FRONT SIDE DOOR UPPER HINGE AND LOWER HINGE REPLACEMENT

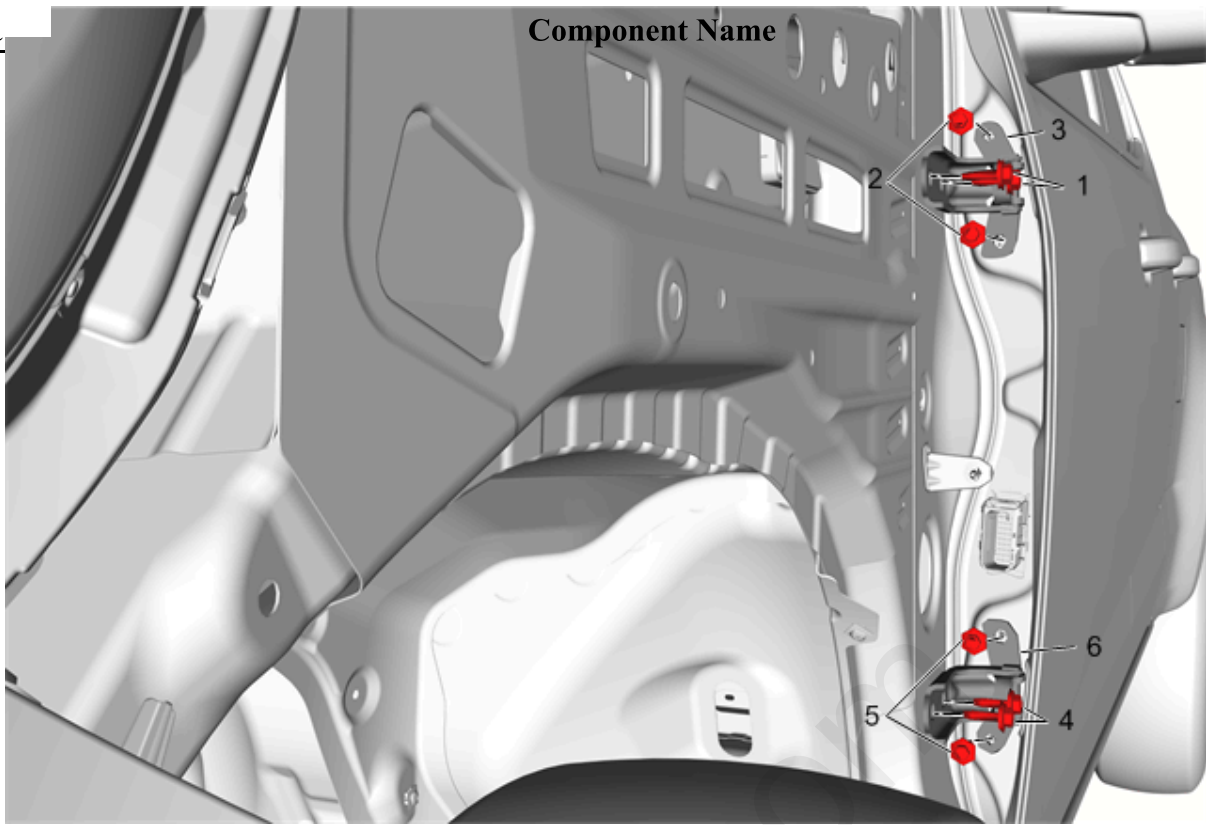


Fig. 28: Front Side Door Upper Hinge and Lower Hinge
 Courtesy of GENERAL MOTORS COMPANY

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 insulator. Refer to Front Fender Insulator Replacement. 3. Mark the location of the hinges before removing the fasteners with a grease pencil.	
1	Front Side Door Upper Hinge Fastener to Body (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)
2	Front Side Door Upper Hinge Fastener to Door (Qty: 2) Tighten 25 N.m (18 lb ft)
3	Front Side Door Upper Hinge

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 1. Remove the hood. Refer to Hood Replacement. 2. Remove the air inlet grille panel extension. Refer to Air Inlet Grille Panel Extension Replacement.	
1	Hood Hinge Bolt (Qty 2) CAUTION: Refer to Fastener Caution . Tighten 32 Å± 3 (24 lb-ft Å± 2 lb-ft)
2	Hood Hinge

REAR SIDE DOOR UPPER HINGE AND LOWER HINGE REPLACEMENT (CREW CAB)

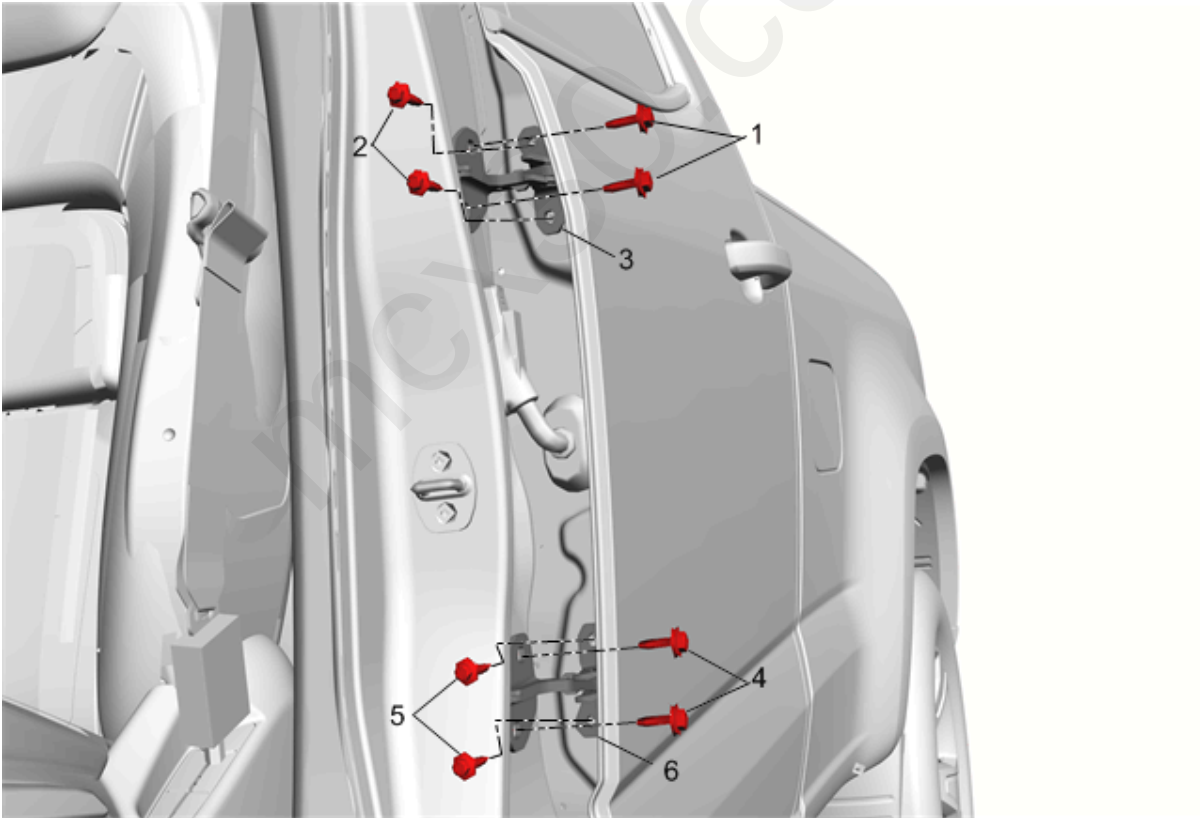


Fig. 30: Rear Side Door Upper Hinge and Lower Hinge (Crew Cab)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name

	Component Name
Preliminary Procedures 1. Apply a double layer of masking tape around the perimeter of the painted surfaces. 2. Mark the location of the hinges before removing the fasteners with a grease pencil.	
1	Rear Side Door Upper Hinge Fastener to Body (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)
2	Rear Side Door Upper Hinge Fastener to Door (Qty: 2) Tighten 25 N.m (18 lb ft)
3	Rear Side Door Upper Hinge
4	Rear Side Door Lower Hinge Fastener to Body (Qty: 2) Tighten 32 N.m (24 lb ft)
5	Rear Side Door Lower Hinge Fastener to Door (Qty: 2) Tighten 25 N.m (18 lb ft)
6	Rear Side Door Lower Hinge Procedure Adjust the door, if needed. Refer to Rear Side Door Adjustment (Crew Cab) . NOTE: Inspect the door for proper operation.

REAR SIDE DOOR UPPER HINGE AND LOWER HINGE REPLACEMENT (EXTENDED CAB)

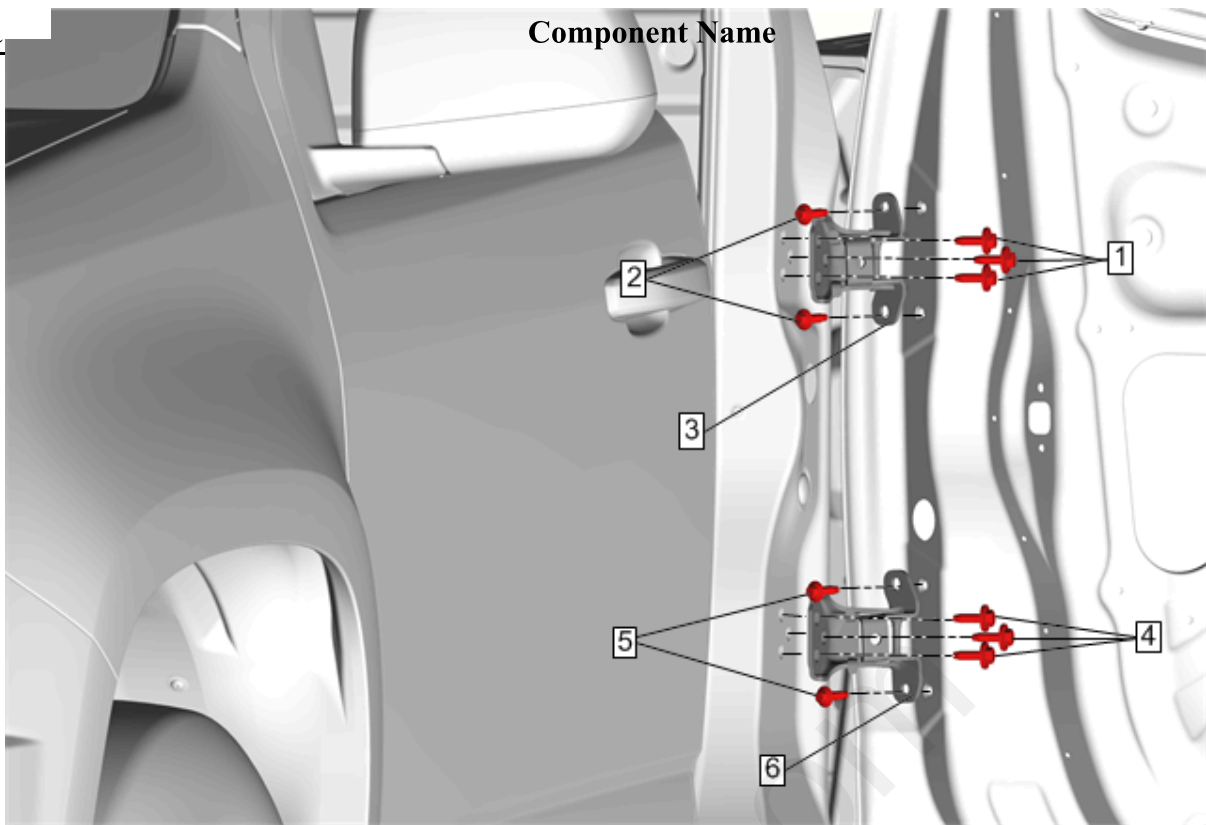


Fig. 31: Rear Side Door Upper Hinge and Lower Hinge (Extended Cab)

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 (Qty: 3) CAUTION: Refer to Fastener Caution . Procedure 1. Appropriately support the door in the open position. 2. Replace one hinge at a time. Tighten 32 N.m (24 lb ft)
2	Rear Side Door Hinge Bolt to Door (Qty: 2) Tighten 25 N.m (18 lb ft)
3	Rear Side Door Upper Hinge
4	Rear Side Door Hinge Bolt to Body (Qty: 3) Tighten 32 N.m (24 lb ft)

Callout	Component Name 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) 4.0 mm $\hat{A}\pm 1.0$ mm (0.15 in $\hat{A}\pm 0.04$ in) • Hood to headlamp (b) 6.5 mm $\hat{A}\pm 1.0$ mm (0.25 in $\hat{A}\pm 0.04$ in) • Hood to grille (c) 4.5 mm $\hat{A}\pm 1.0$ mm (0.18 in $\hat{A}\pm 0.04$ in) Tighten 22 N.m (16 lb ft)

HOOD ADJUSTMENT (COLORADO)

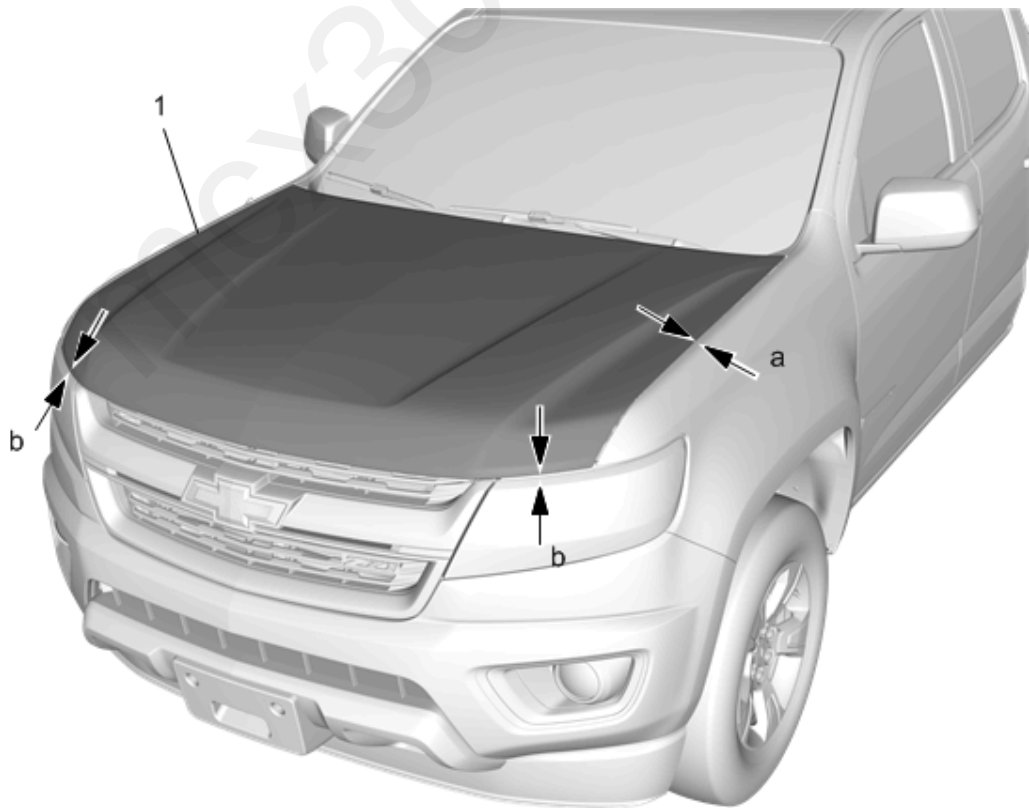


Fig. 33: Hood (Colorado)

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) 4.0 mm $\hat{A}\pm 1.0$ mm (0.15 in $\hat{A}\pm 0.04$ in) • Hood to headlamp (b) 6.5 mm $\hat{A}\pm 1.0$ mm (0.25 in $\hat{A}\pm 0.04$ in) Tighten 22 N.m (16 lb ft)

HOOD REPLACEMENT

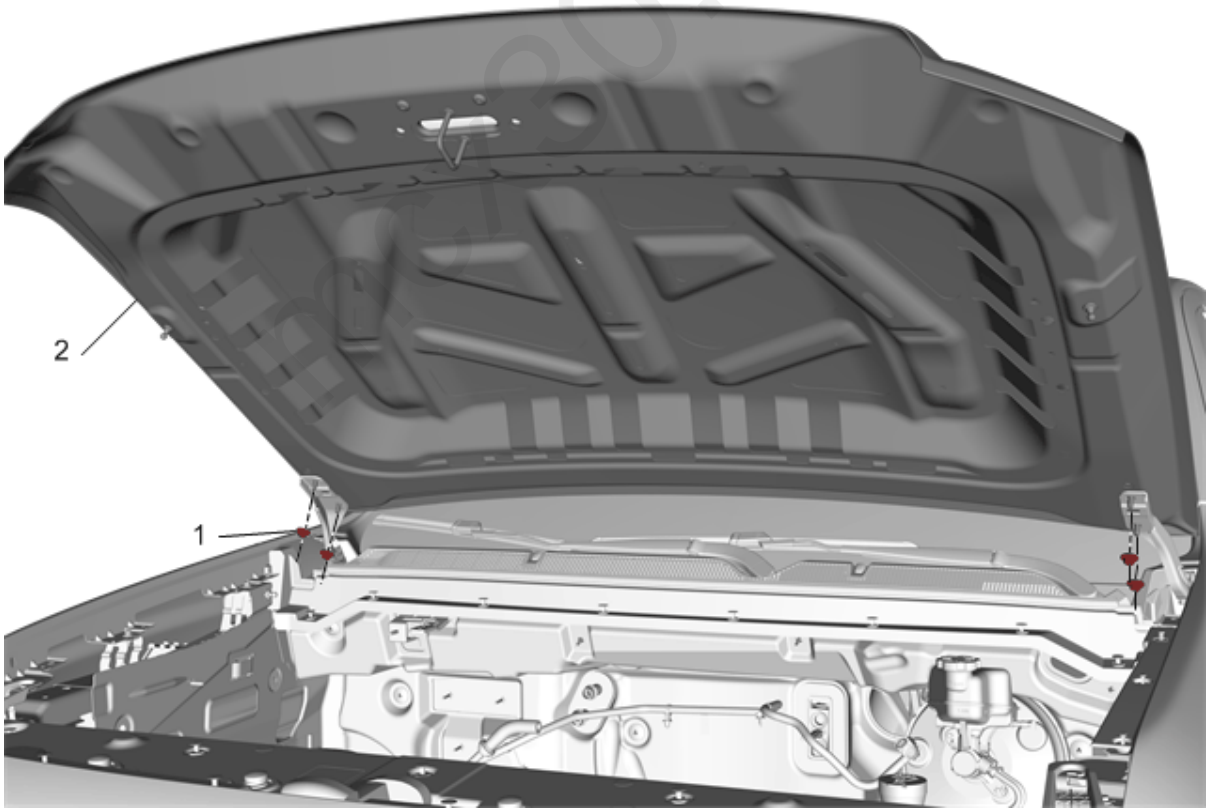
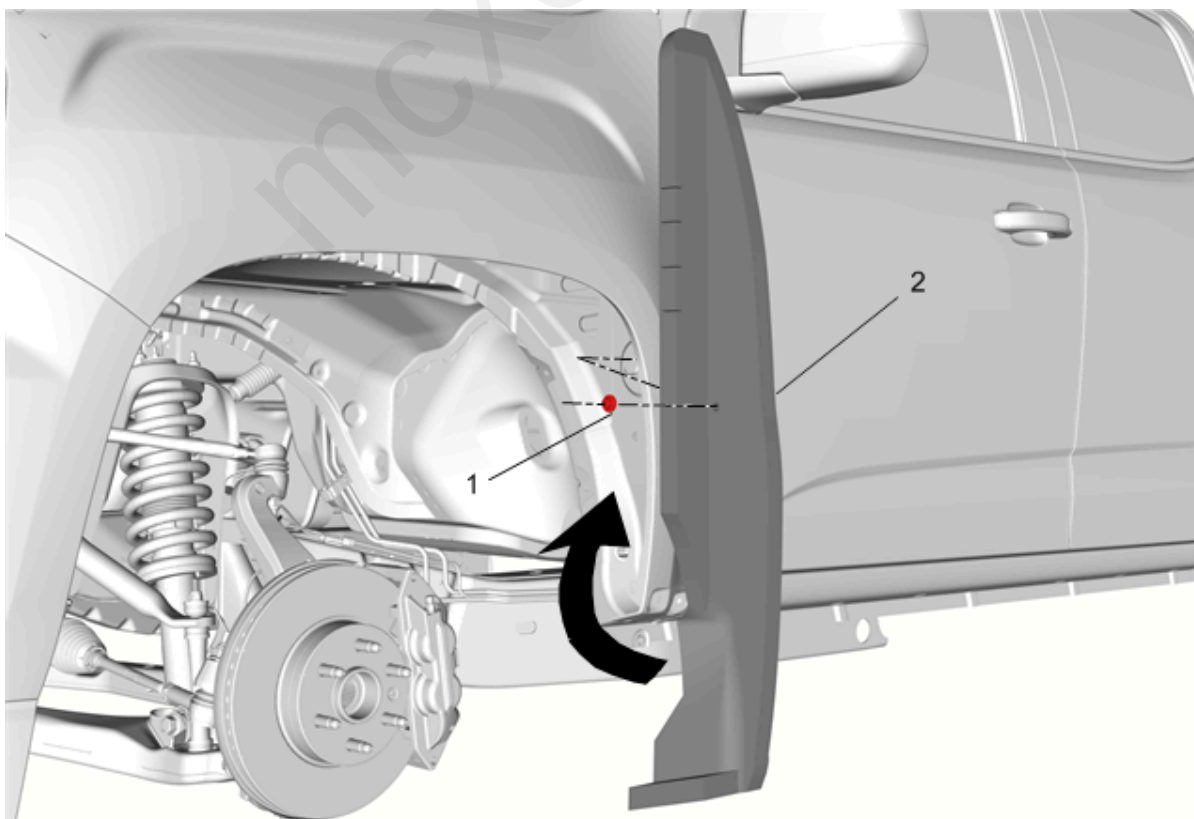


Fig. 34: Hood
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name

	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 grille panel extension. Refer to Air Inlet Grille Panel Extension Replacement. 2. Remove the hood struts. Refer to Hood Strut Replacement.	
1	Hood Nut (Qty: 4) 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 any parts as needed. 3. Hood Adjustment (GMC)Hood Adjustment (Colorado)

FRONT FENDER INSULATOR REPLACEMENT



Fender Insulator	Component Name
Courtesy of GENERAL MOTORS COMPANY	

Callout	Component Name
Preliminary Procedure Remove either the left hand or right hand front wheelhouse liner. Refer to Front Wheelhouse Liner Replacement .	
1	Front Fender Nut CAUTION: Refer to Fastener Caution . Tighten 9 N.m (80 lb in)
2	Front Fender Insulator Procedure Grasp the front fender insulator and pull from the rear of the fender.

HOOD INSULATOR REPLACEMENT (GMC)

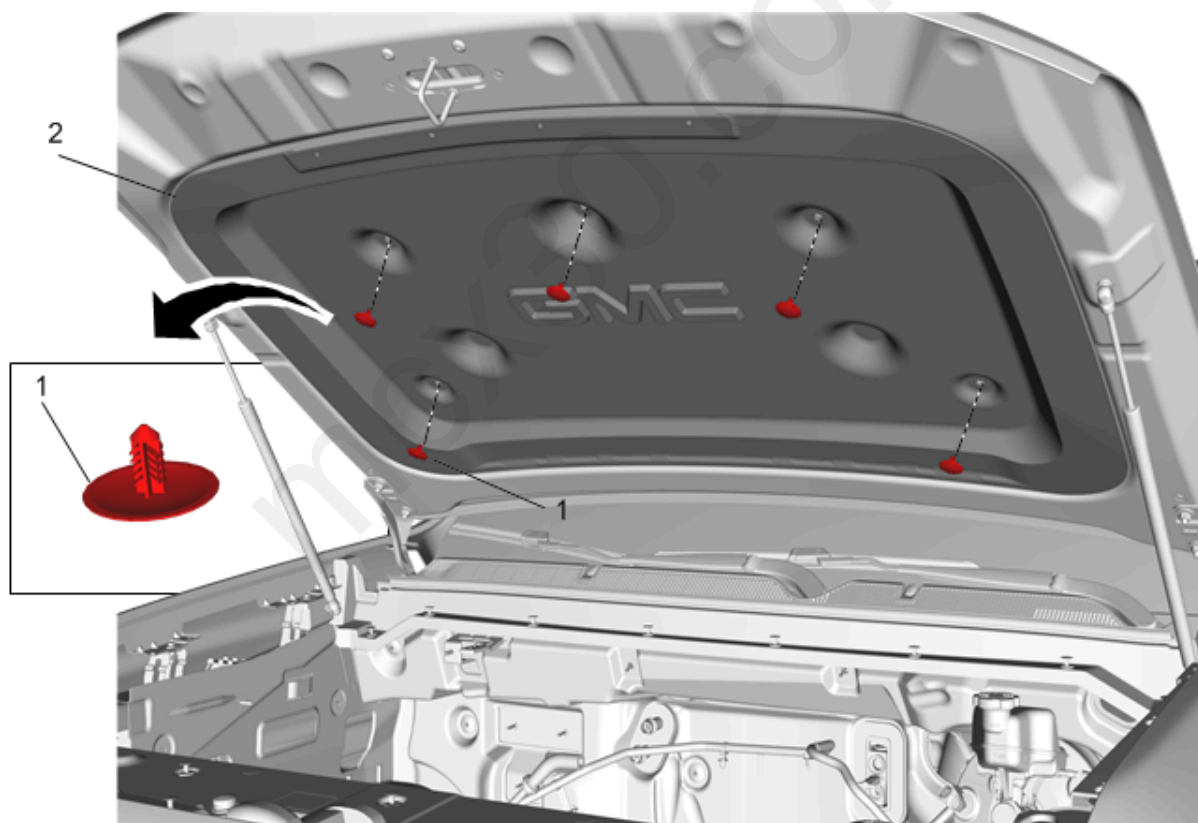


Fig. 36: Hood Insulator (GMC)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Hood Weatherstrip Replacement	
1	Hood Insulator Retainer (Qty: 5)

Callout	Component Name
2	Hood Insulator NOTE: Ensure the three lower integral tabs are secure to the hood.

HOOD INSULATOR REPLACEMENT (CHEVROLET)

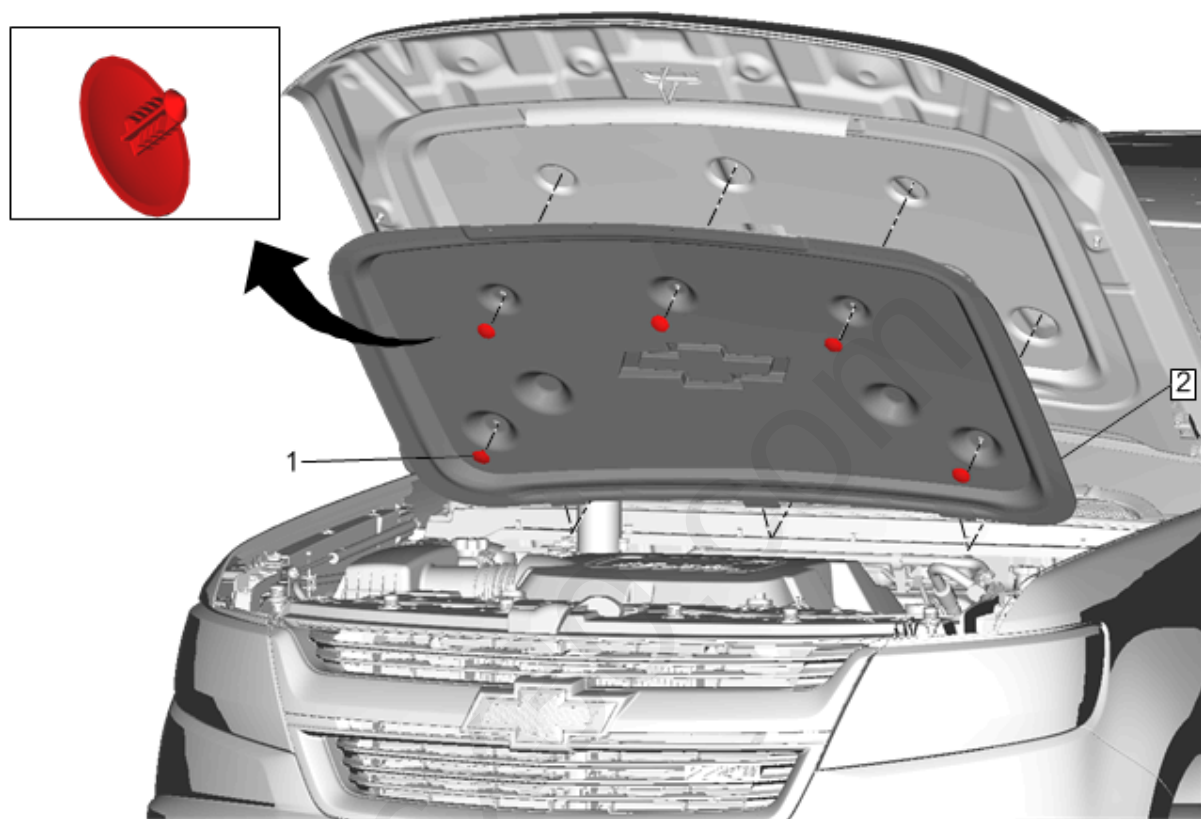


Fig. 37: Hood Insulator (Chevrolet)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Hood Weatherstrip Replacement</u>	
1	Hood Insulator Retainer (Qty: 5)
2	Hood Insulator NOTE: Ensure the three lower integral tabs are secure to the hood.

HOOD PRIMARY AND SECONDARY LATCH REPLACEMENT

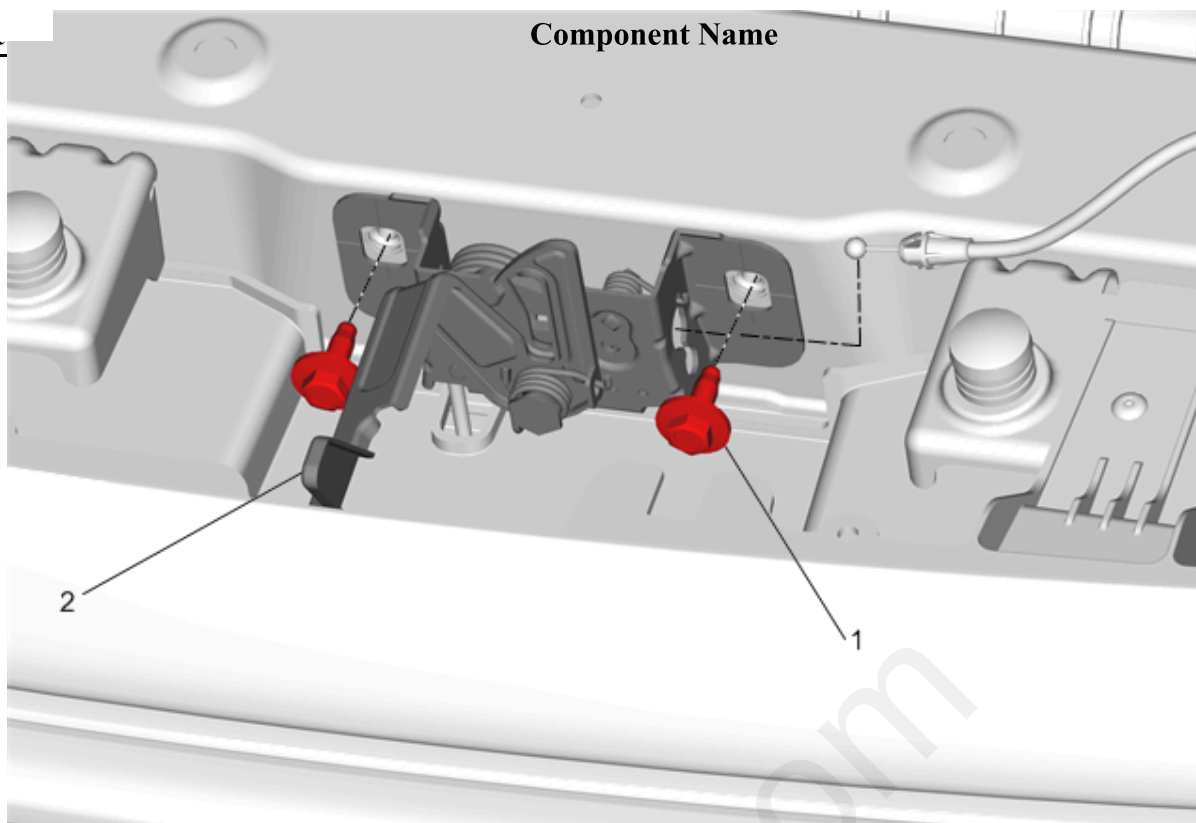


Fig. 38: Hood Primary and Secondary Latch
 Courtesy of GENERAL MOTORS COMPANY

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: Use a grease pencil to mark the location of the hood latch before removing the bolts. Tighten 22 N.m (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.

HOOD PRIMARY AND SECONDARY LATCH REPLACEMENT (BTV)

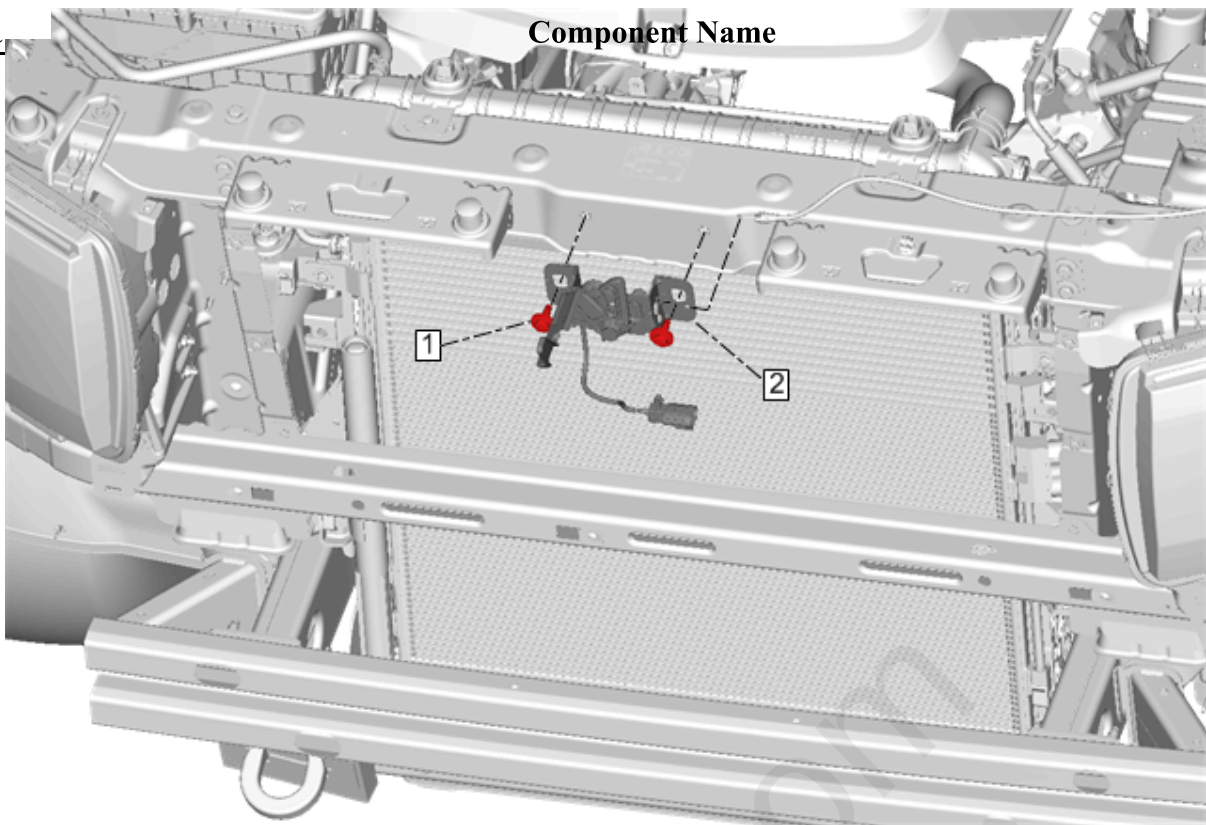


Fig. 39: Hood Primary And Secondary Latch (BTV)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Front Bumper Shutter Replacement	
1	Hood Primary and Secondary Latch Bolt (Qty: 2) CAUTION: Refer to Fastener Caution . NOTE: Use a grease pencil to mark the location of the hood latch before removing the bolts. Tighten 22 N.m (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

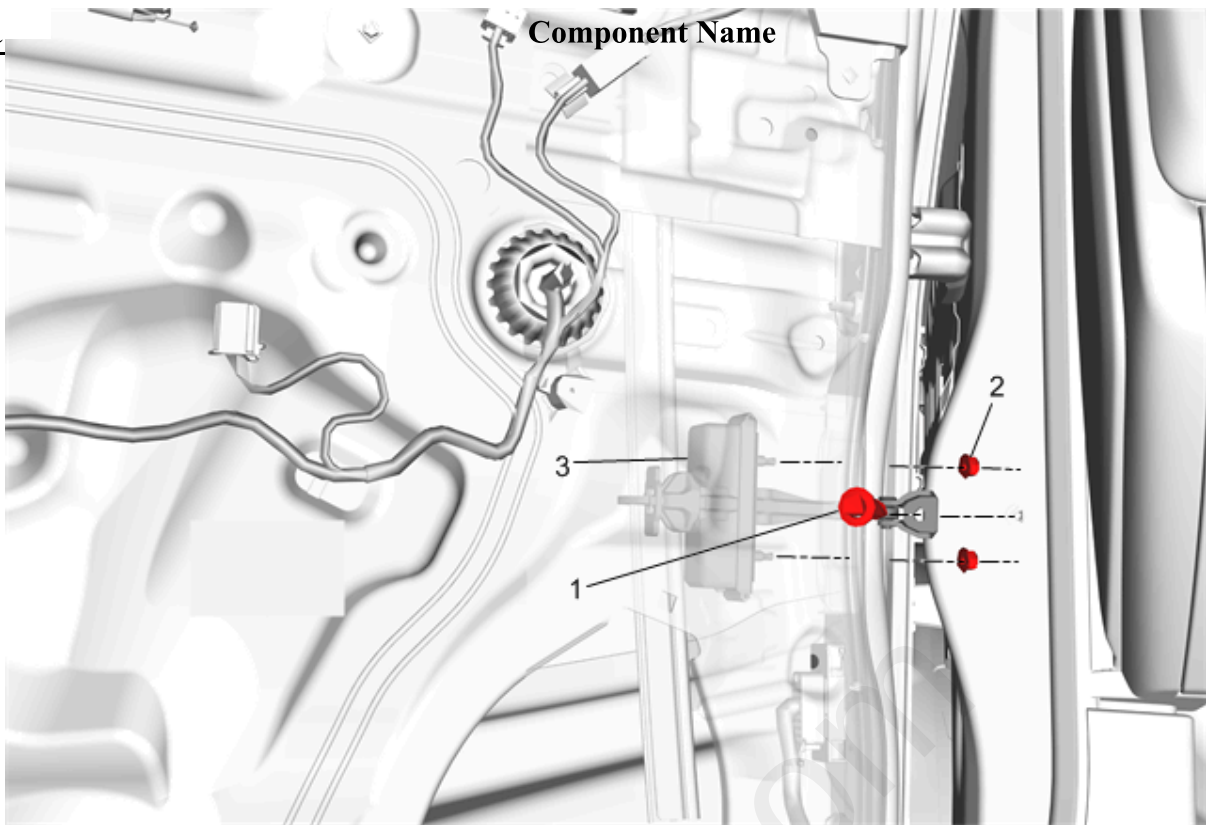


Fig. 40: Front Side Door Check Link

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Open the door to the full open position. 2. Place the window in the full up position. 3. Remove the radio front side door speaker. Refer to Radio Front Side Door Speaker Replacement .	
1	Front Side Door Check Link Fastener to Body CAUTION: Refer to Fastener Caution . Tighten 22 N.m (16 lb ft)
2	Front Side Door Check Link Fastener to Door (Qty: 2) Tighten 9 N.m (80 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)

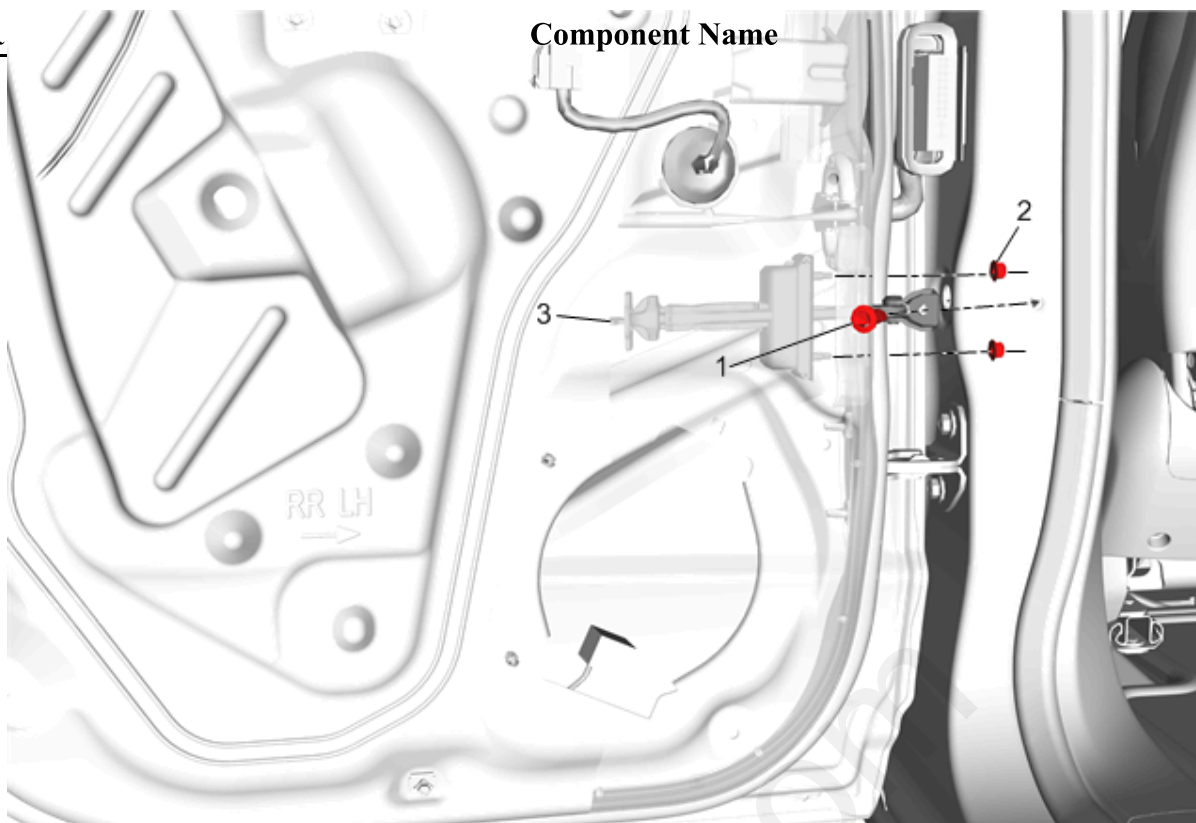


Fig. 41: Rear Side Door Check Link (Crew Cab)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Open the rear side door to the full open position. 2. Place the window in the full up position. 3. Remove the radio rear side door speaker. Refer to Radio Rear Side Door Speaker Replacement (Crew Cab).	
1	Rear Side Door Check Link Fastener to Body CAUTION: Refer to Fastener Caution . Tighten 22 N.m (16 lb ft)
2	Rear Side Door Check Link Fastener to Door (Qty: 2) Tighten 9 N.m (80 lb in)

Callout	Component Name
3	Rear Side Door Check Link Procedure Remove the check link assembly through the speaker opening from inside the door. NOTE: Inspect the door for proper operation before installing the door trim.

REAR SIDE DOOR CHECK LINK REPLACEMENT (EXTENDED CAB)

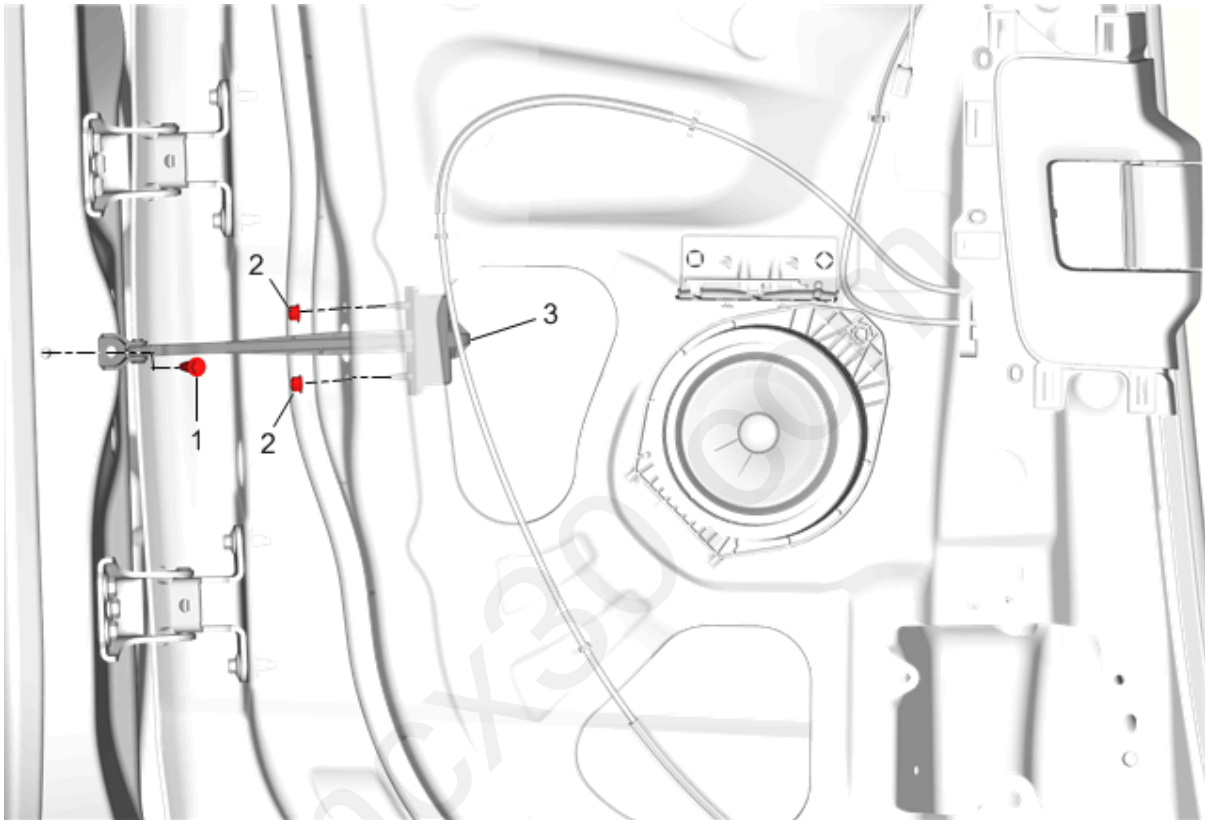


Fig. 42: Rear Side Door Check Link (Extended Cab)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure 1. Place the door in the full open position. 2. Remove the rear side door trim. Refer to Rear Side Door Trim Replacement (Extended Cab) 3. Remove the water deflector.	
1	Rear Side Door Check Link Fastener to Body CAUTION: Refer to Fastener Caution Tighten 22 N.m (16 lb ft)

Callout	Component Name
2	Rear Side Door Check Link Fastener to Door (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

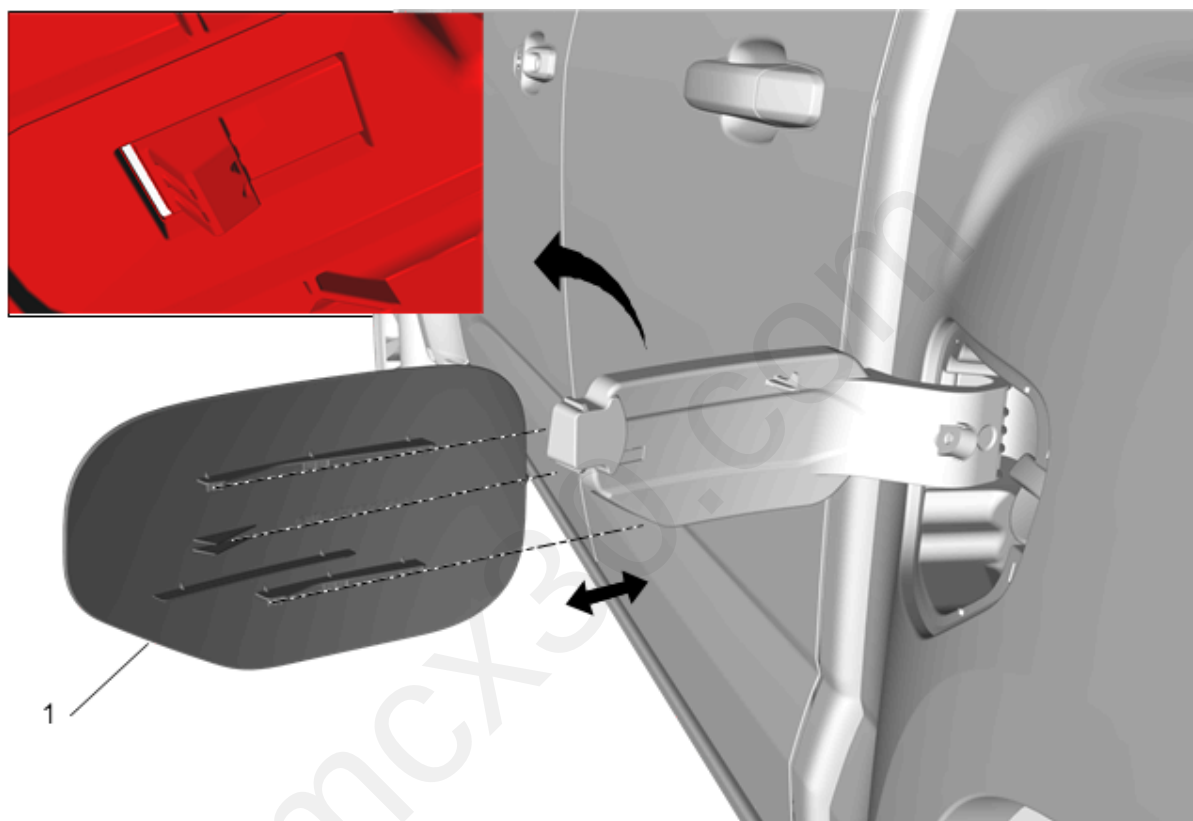


Fig. 43: Fuel Tank Filler Door

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Fuel Tank Filler Door Procedure Position the fuel tank filler door to the full open position. 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

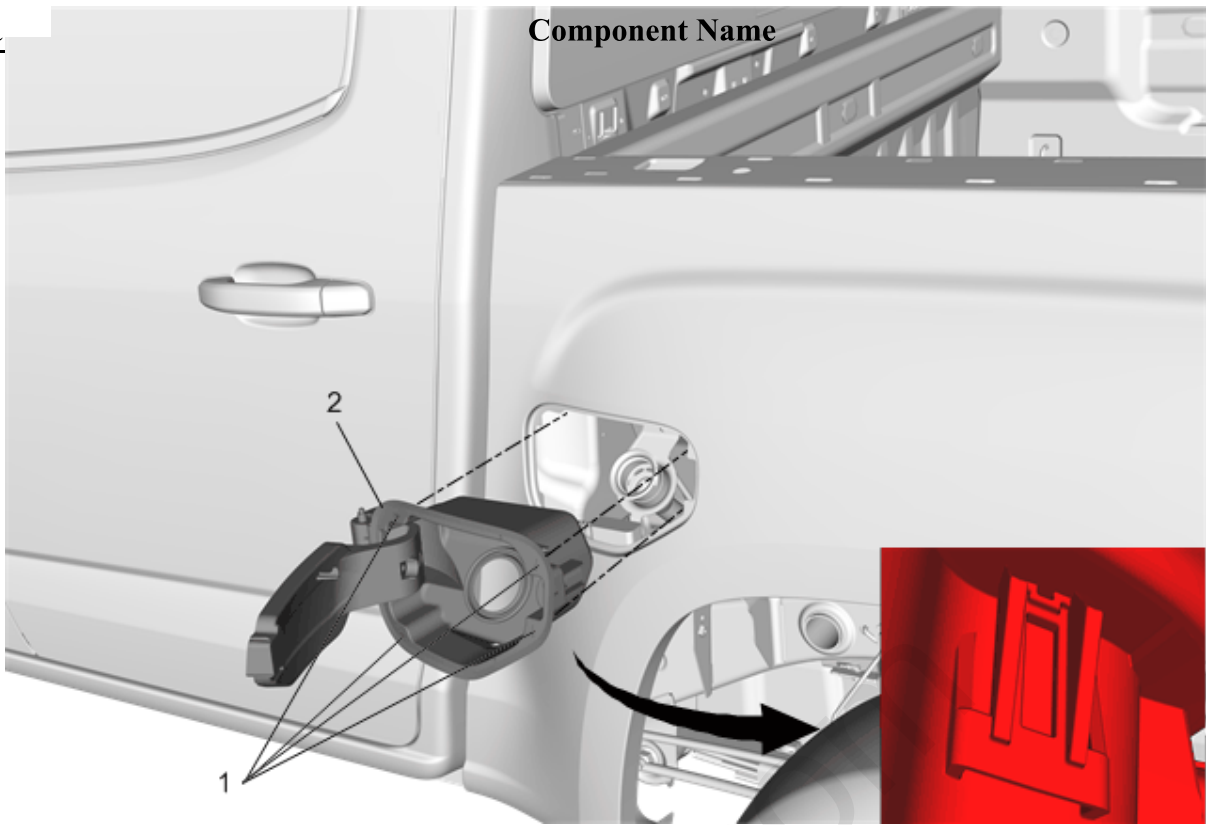


Fig. 44: Fuel Tank Filler Pipe Housing

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Remove the fuel tank filler door. Refer to Fuel Tank Filler Door Replacement .	
1	Fuel Tank Filler Pipe Housing Retainer (Qty: 4) 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.
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 STRUT REPLACEMENT

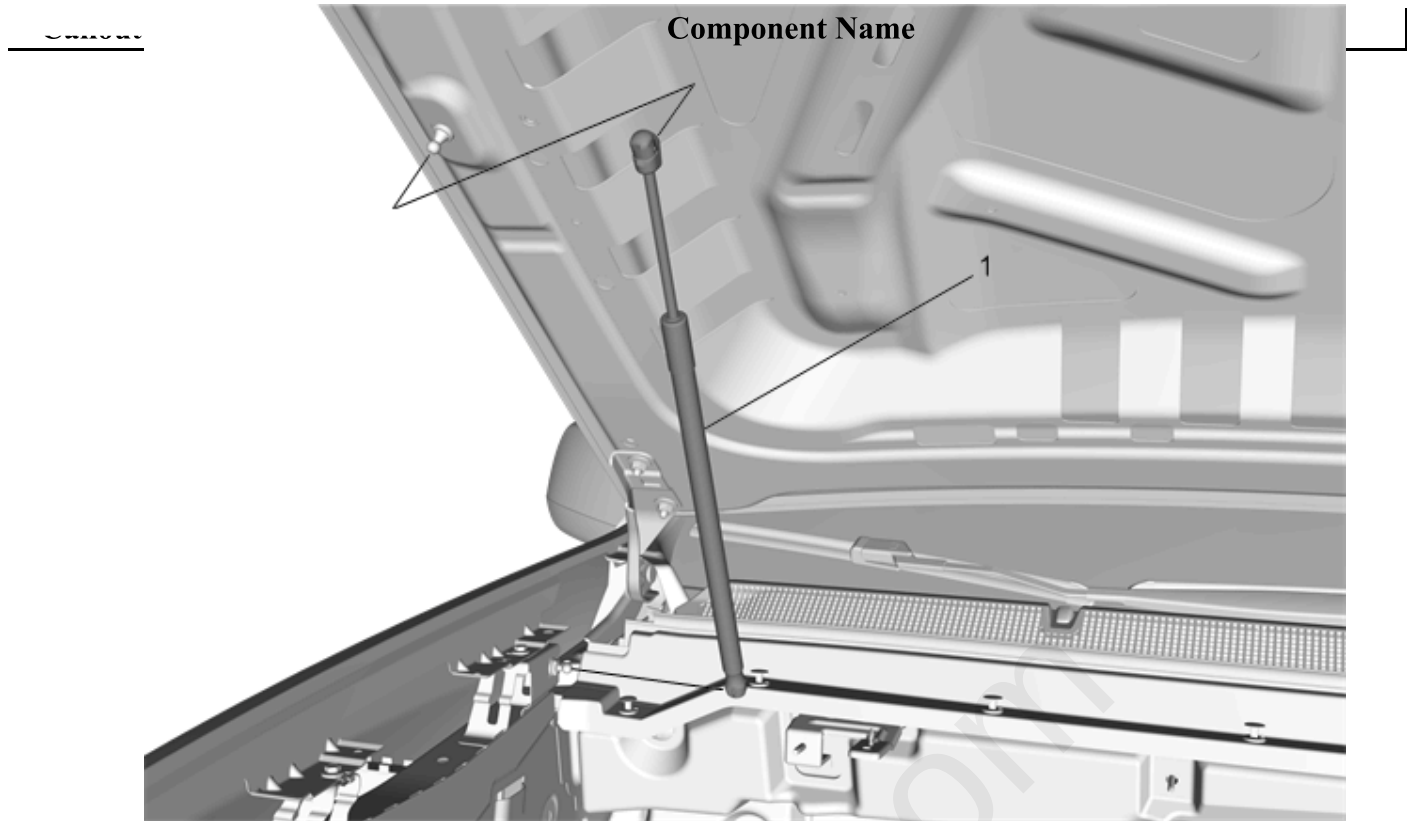


Fig. 45: Hood Strut
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood Strut Assembly 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. CAUTION: Apply pressure only at the end of the liftgate/hood assist rod that you are removing or attaching. Do NOT apply pressure to the middle of the rod because damage or bending will result. Procedure Remove the metal clip at the ends of the hood strut, then pull away from the stud.

HOOD WEATHERSTRIP REPLACEMENT

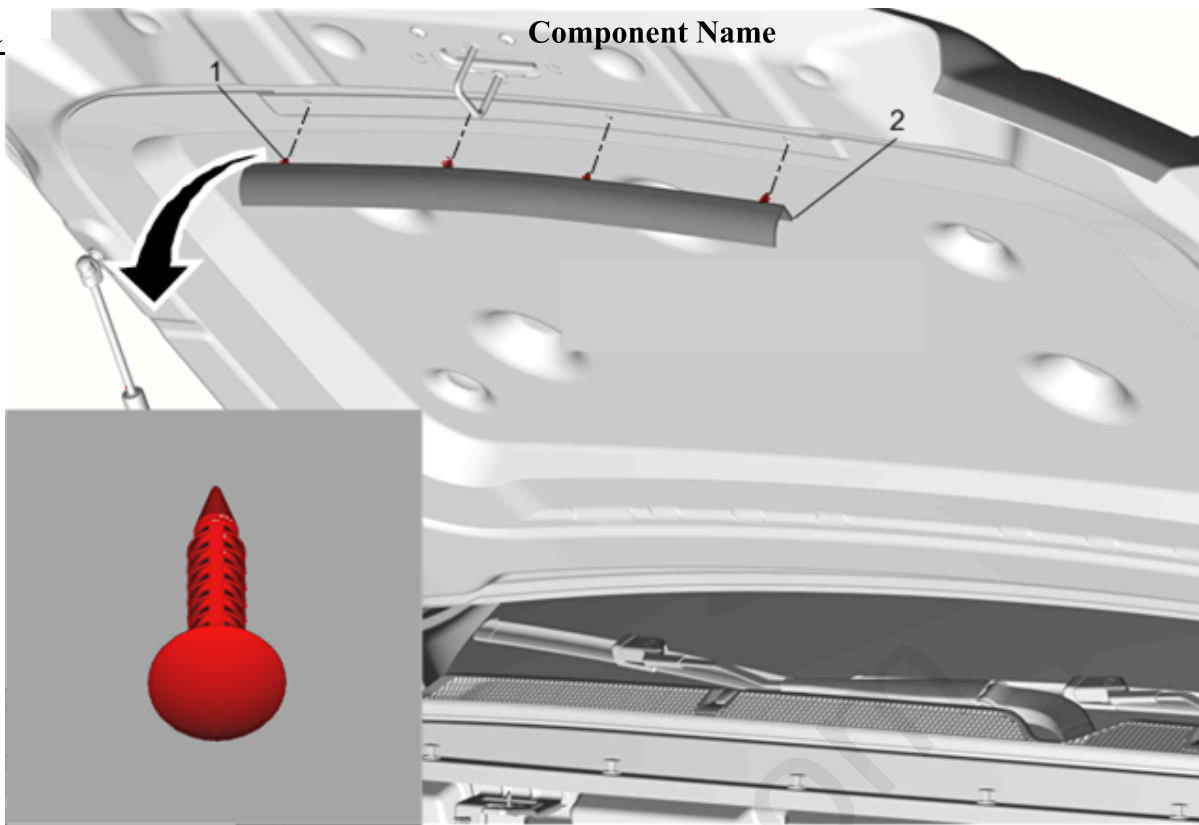


Fig. 46: Hood Weatherstrip

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Hood Weatherstrip Retainer (Qty: 4)
2	Hood Weatherstrip

PLENUM FRONT PANEL REPLACEMENT

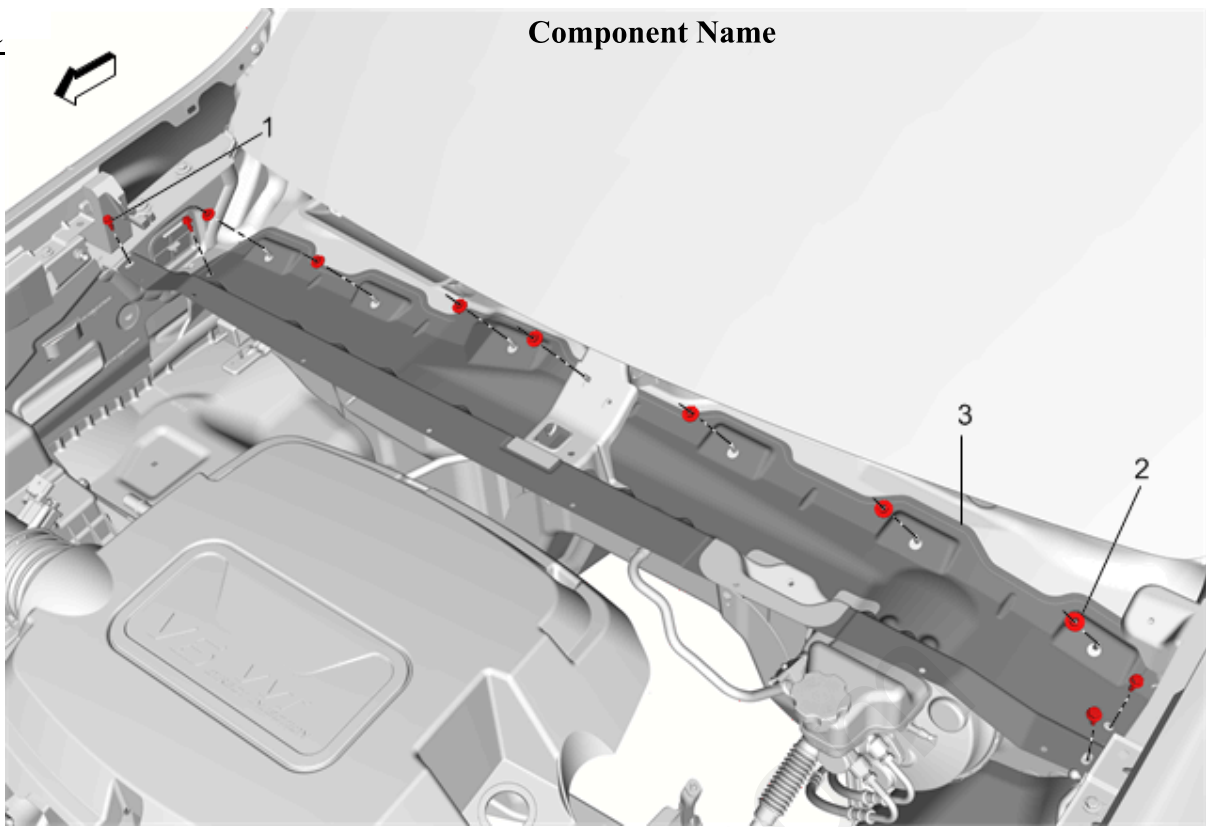


Fig. 47: Plenum Front Panel

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Remove the windshield wiper transmission. Refer to Windshield Wiper Transmission Replacement.	
1	Plenum Front Panel Bolt (Qty 4) CAUTION: Refer to Fastener Caution . Tighten 9 N.m (80 lb in)
2	Plenum Front Panel Nut (Qty: 7) Tighten 9 N.m (80 lb in)
3	Plenum Front Panel Procedure 1. Remove the electrical harness grommet from the panel. 2. Ensure all seals are in place before installation.

FRONT COMPARTMENT FRONT SIGHT SHIELD REPLACEMENT

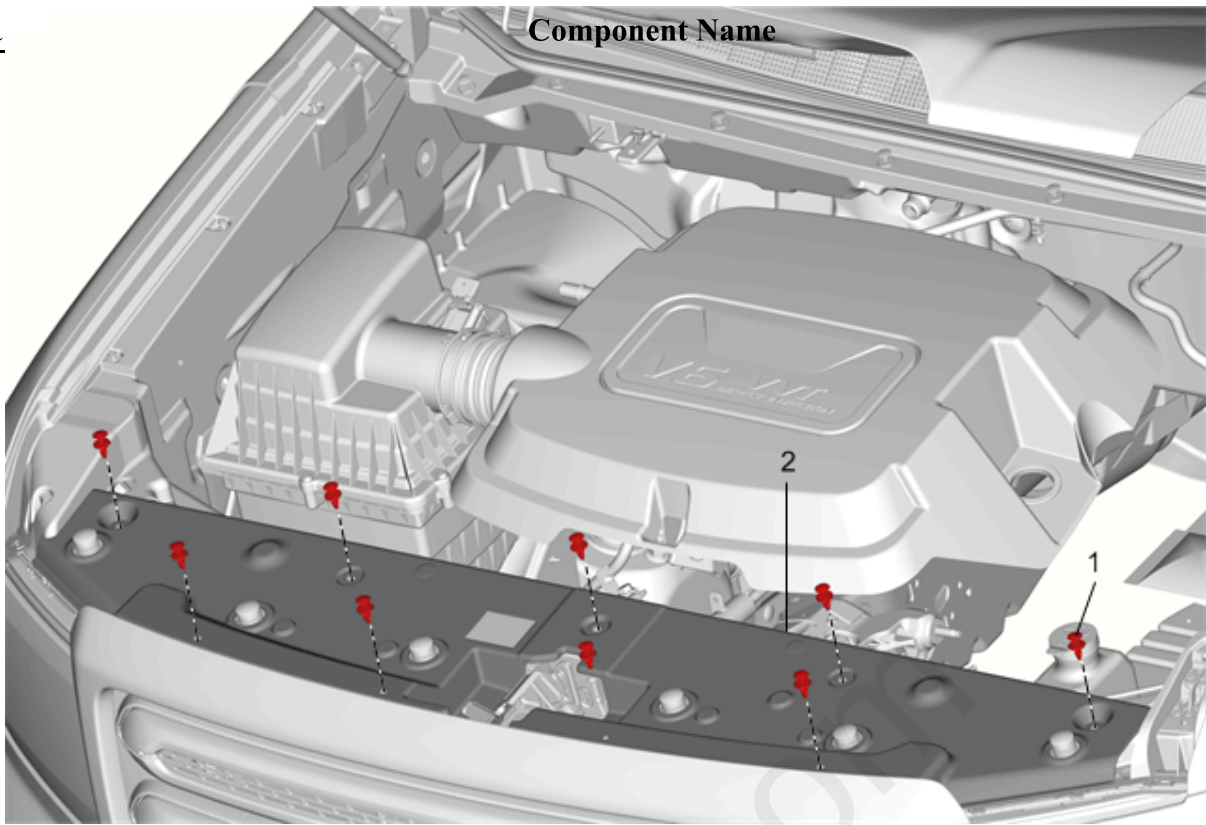


Fig. 48: Front Compartment Front Sight Shield
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Compartment Front Sight Shield Push-In Retainer (Qty: 9)
2	Front Compartment Front Sight Shield

FRONT COMPARTMENT SIDE SIGHT SHIELD REPLACEMENT

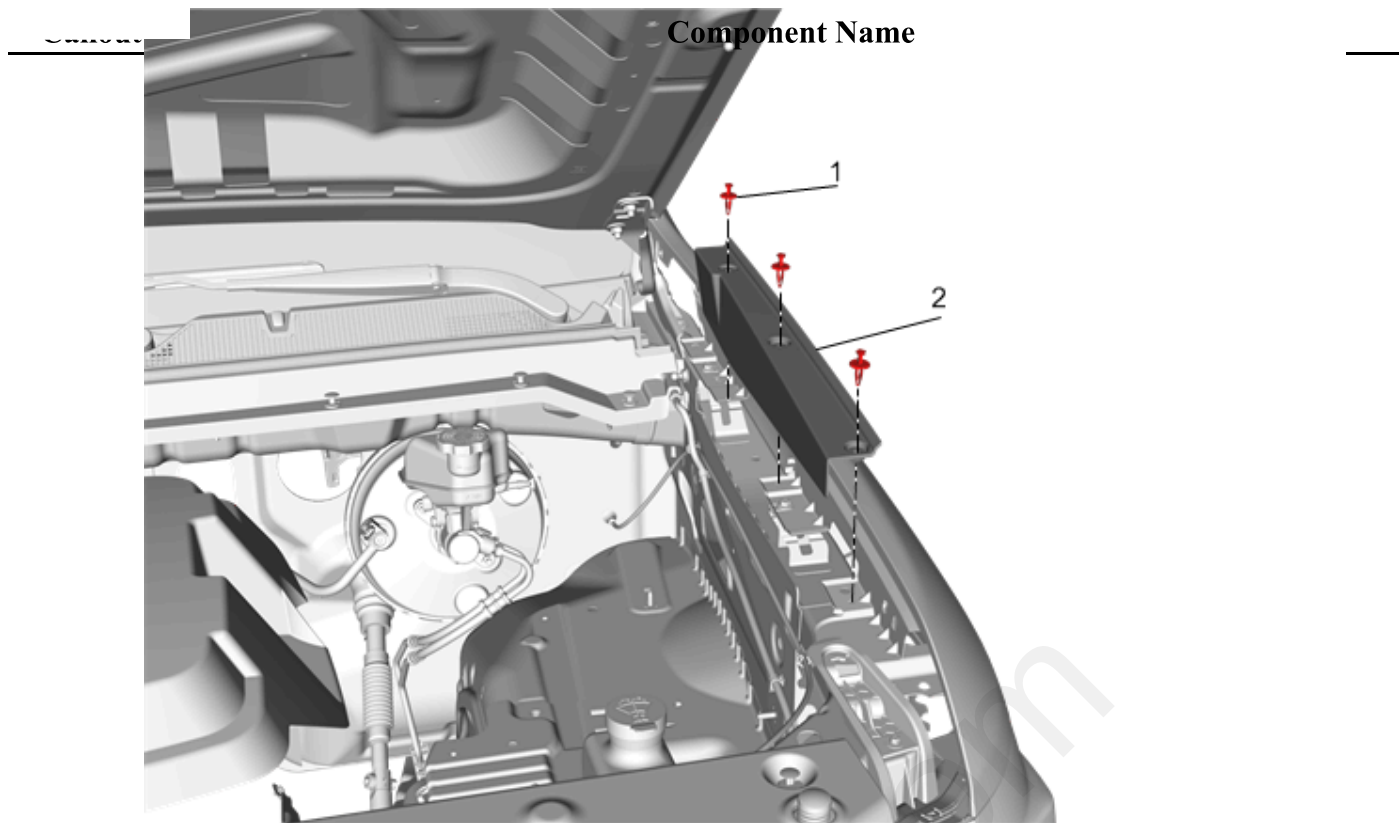


Fig. 49: Front Compartment Side Sight Shield
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Compartment Side Sight Shield Push-In Retainer (Qty: 3)
2	Front Compartment Side Sight Shield

REAR SIDE DOOR FRONT AUXILIARY WEATHERSTRIP REPLACEMENT

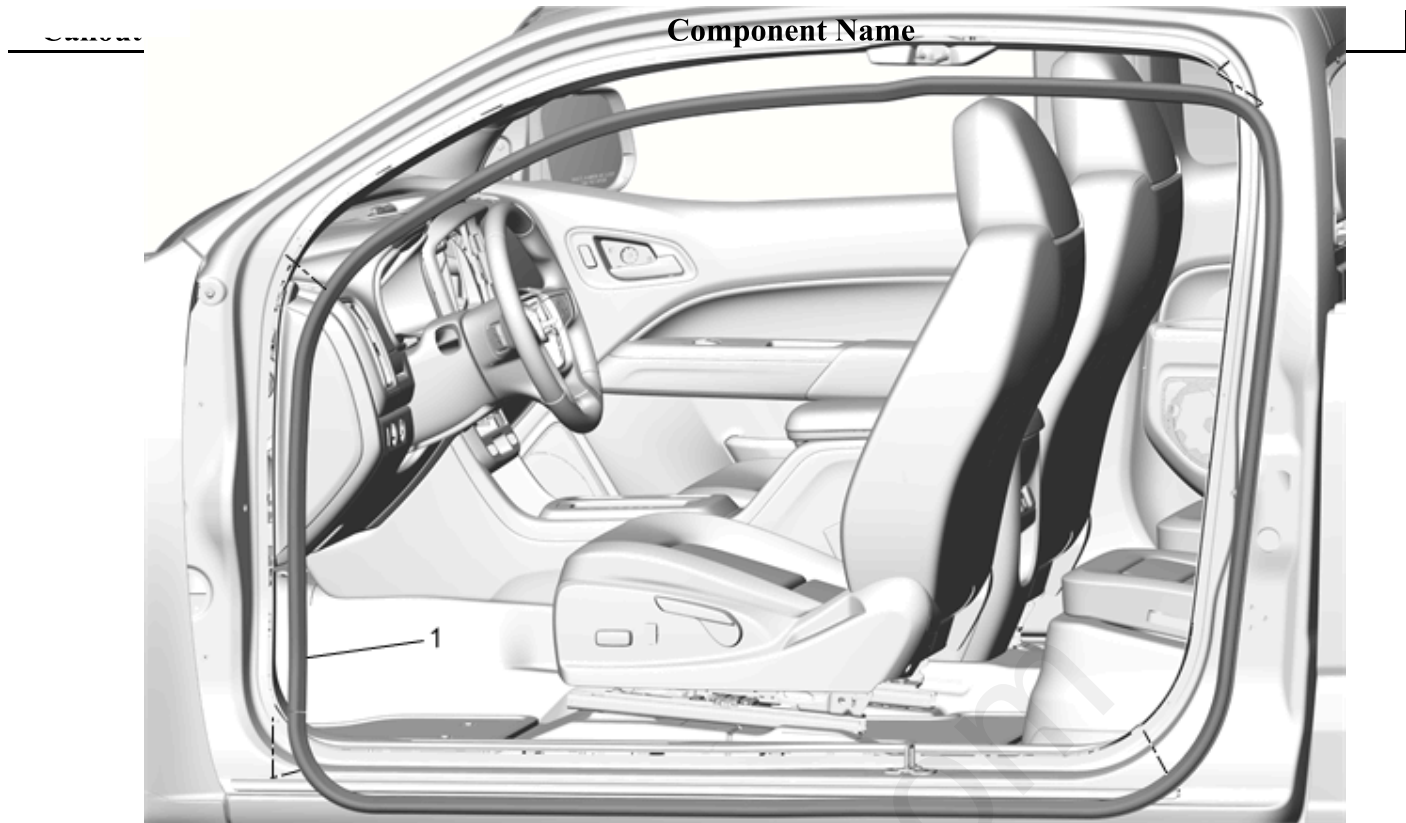


Fig. 50: Rear Side Door Front Auxiliary Weatherstrip
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Remove the body hinge pillar garnish molding. Refer to Body Hinge Pillar Garnish Molding Replacement (Left Side) Body Hinge Pillar Garnish Molding Replacement (Right Side) . 2. Remove the rear side door sill garnish molding. Refer to Rear Side Door Sill Garnish Molding Replacement .	
1	Rear Side Door Front Auxiliary Weatherstrip Procedures 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 FRONT AUXILIARY WEATHERSTRIP REPLACEMENT

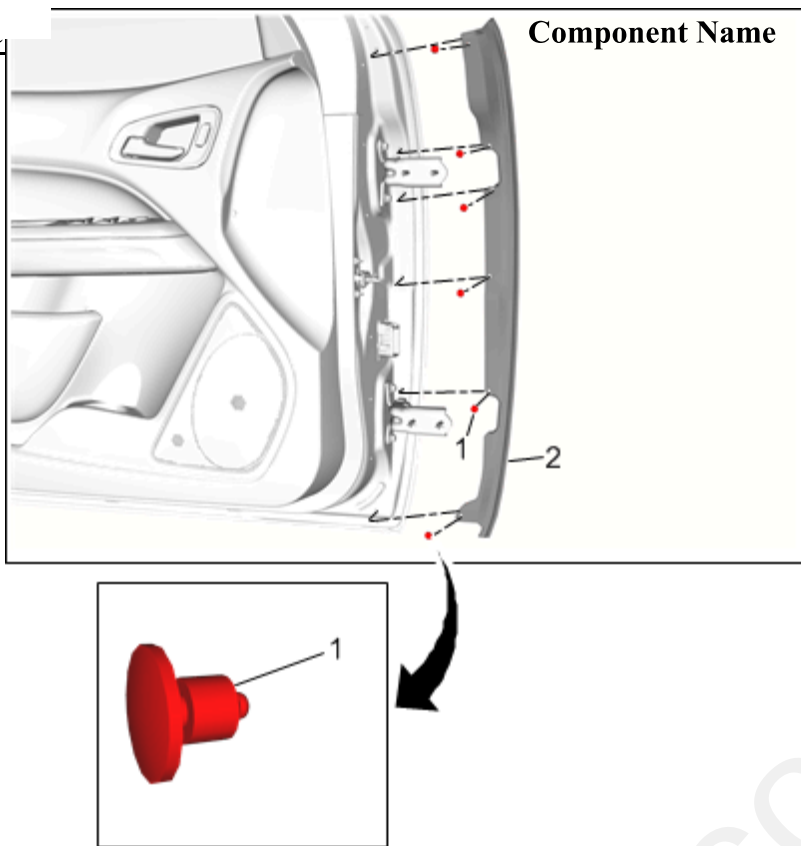


Fig. 51: Front Side Door Front Auxiliary Weatherstrip
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Release the retainer and reposition the front side door weatherstrip to gain access to the front side door front auxiliary weatherstrip.	
1	Front Side Door Front Auxiliary Weatherstrip Retainer (Qty: 6) Procedure Using the appropriate 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

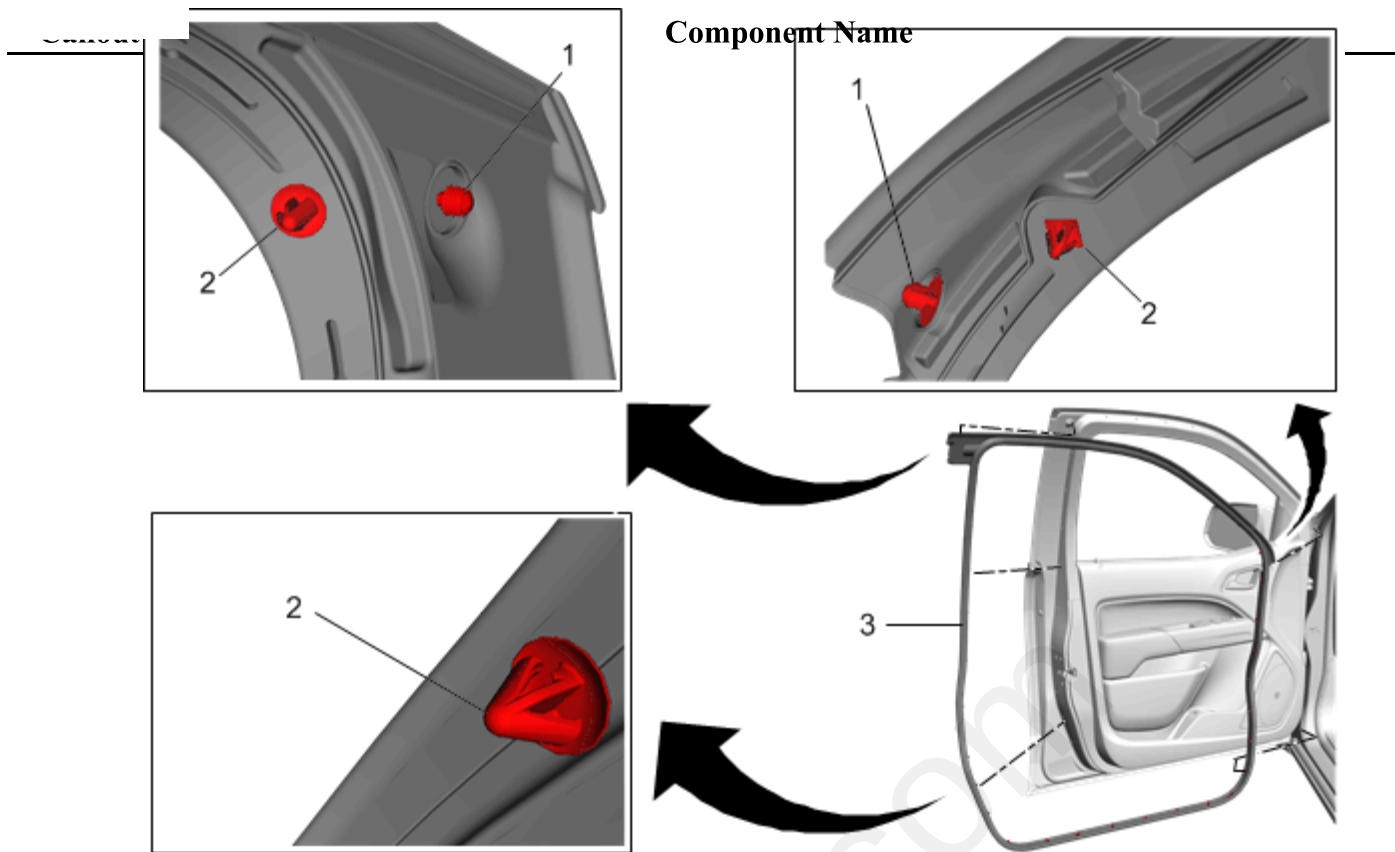


Fig. 52: Front Side Door Weatherstrip - Door Side
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Open the front side door to the full open position. 2. Remove the front side door check link bolt. Refer to Front Side Door Check Link Replacement.	
1	Front Side Door Weatherstrip Upper Retainer (Qty: 2) Procedure Using the appropriate tool, remove the retainers from the upper corners of the door.
2	Front Side Door Weatherstrip Retainer (Qty: 35) Procedure Using the appropriate tool, remove the retainers from around the door.

Callout	Component Name
3	Front Side Door Weatherstrip to Door Side Procedures 1. Pull the weatherstrip out of the door frame. 2. Ensure that the weatherstrip is fully seated in the door frame. NOTE: • Not all integral retainers are shown for clarity. • Inspect the door to ensure a proper seal after the weatherstrip has been replaced.

FRONT SIDE DOOR WEATHERSTRIP REPLACEMENT - BODY SIDE

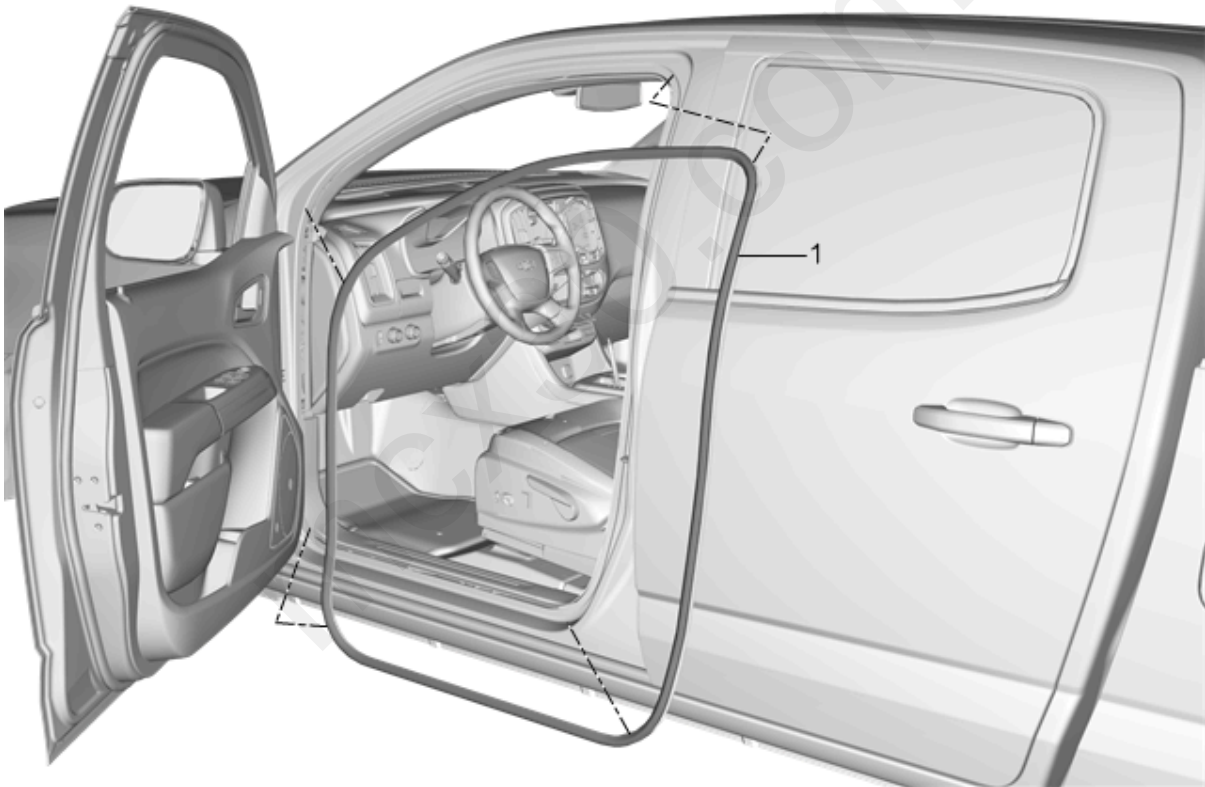


Fig. 53: Front Side Door Weatherstrip - Body Side

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Remove the instrument panel outer cover. Refer to Instrument Panel Outer Trim Cover Replacement . 2. Remove the windshield garnish molding. Refer to Windshield Garnish Molding Replacement - Left Side , or Windshield Garnish Molding Replacement - Right Side .	

Callout	Component Name
1	Front Side Door Weatherstrip to Body Side Procedures 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. Using the appropriate tool, reposition the interior trim as necessary. 4. Working downward along the front edge, install the weatherstrip on the door opening flange ensuring that the carrier is fully seated in the corners. 5. 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 LOWER AUXILIARY WEATHERSTRIP REPLACEMENT

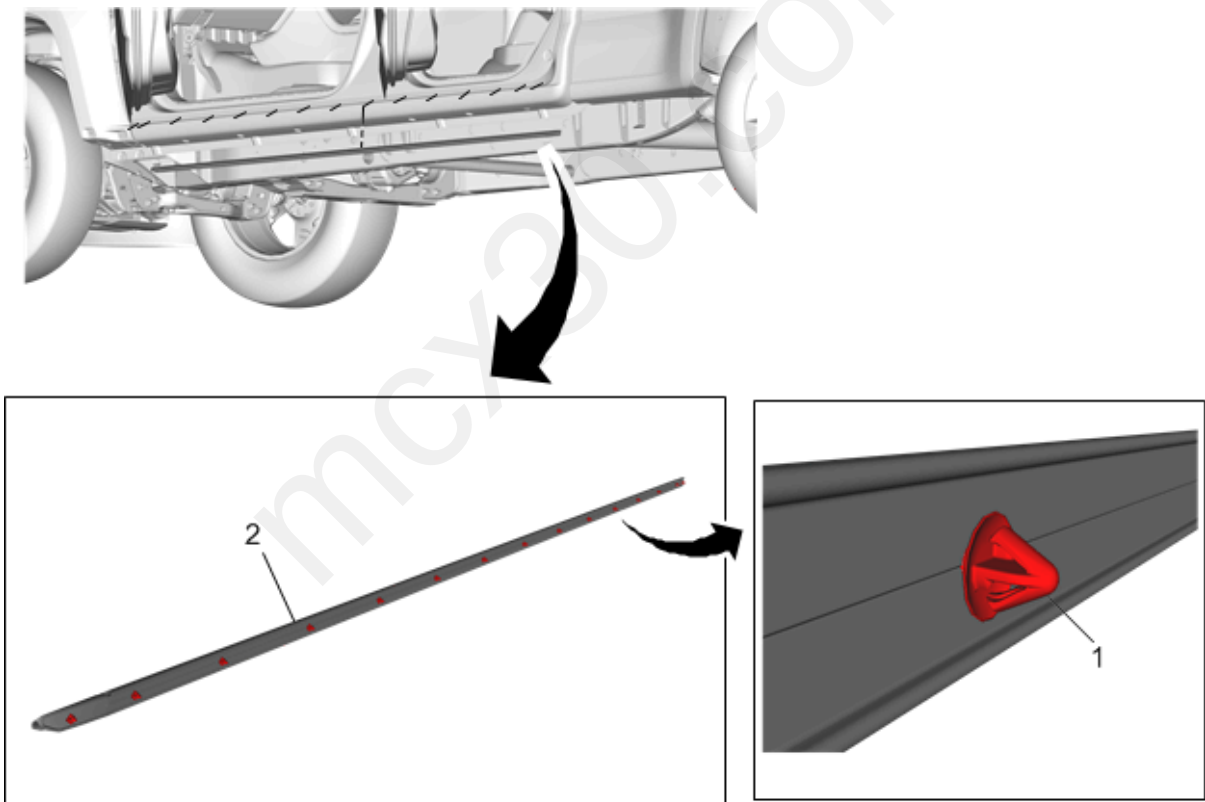


Fig. 54: Front Side Door Lower Auxiliary Weatherstrip
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Open both front and rear side doors.	

Callout	Component Name
1	Front Side Door Lower Auxiliary Weatherstrip Retainer (Qty: 15) Procedure Using the appropriate tool, remove the retainers and front side door lower auxiliary weatherstrip from the body side outer panel.
2	Front Side Door Lower Auxiliary Weatherstrip

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

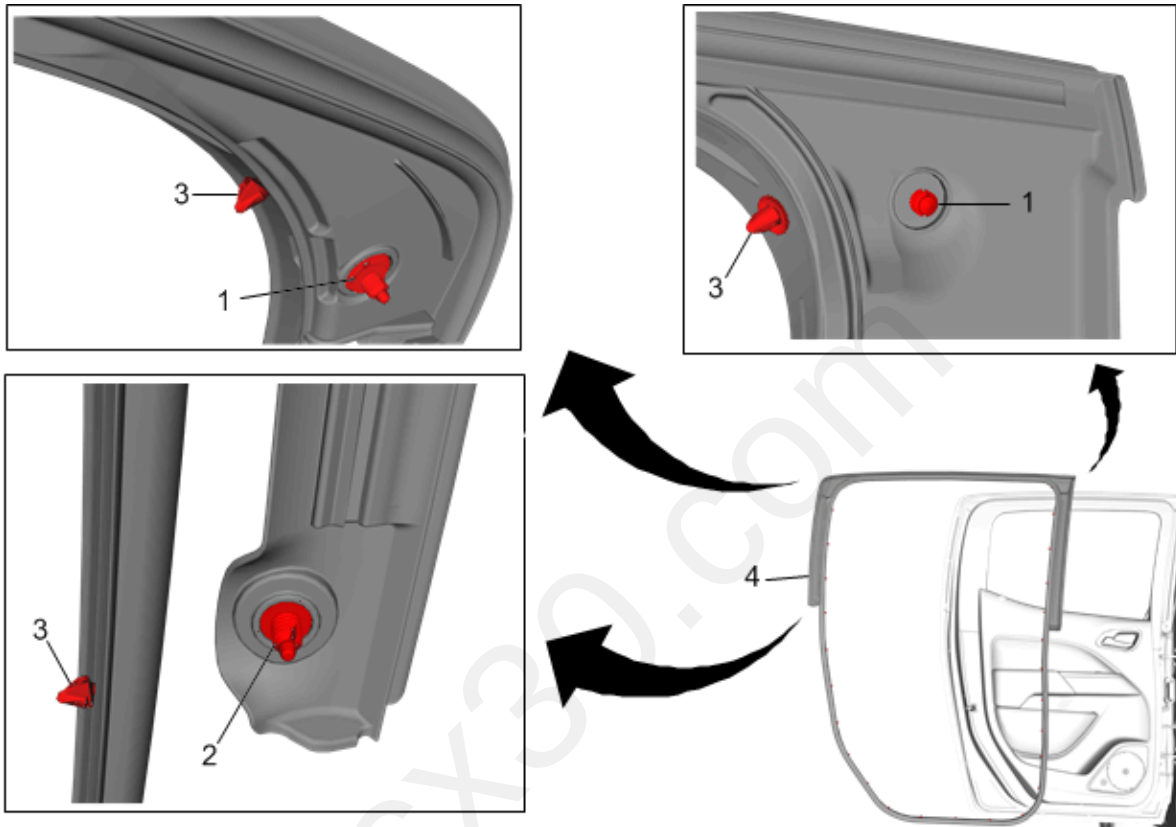


Fig. 55: Rear Side Door Weatherstrip - Door Side (Crew Cab)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures	
1. Open the rear side door to the full open position. 2. Remove the rear side door check link bolt. Refer to Rear Side Door Check Link Replacement (Crew Cab) .	
1	Rear Side Door Weatherstrip Upper Retainer (Qty: 2) Procedure Using the appropriate tool, remove the retainers from the upper corners of the door.
2	Rear Side Door Weatherstrip Center Retainer (Qty: 2) Procedure Using the appropriate tool, remove the retainers from the center corners of the door.
3	Rear Side Door Weatherstrip Retainer (Qty: 32) Procedure Using the appropriate tool, remove the retainers from around the door.

Callout	Component Name
4	Rear Side Door Weatherstrip to Door Side Procedures 1. Pull the weatherstrip out of the door frame. 2. Ensure that the weatherstrip is fully seated in the door frame. NOTE: • Not all integral retainers are shown for clarity. • Inspect the door to ensure a proper seal after the weatherstrip has been replaced.

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

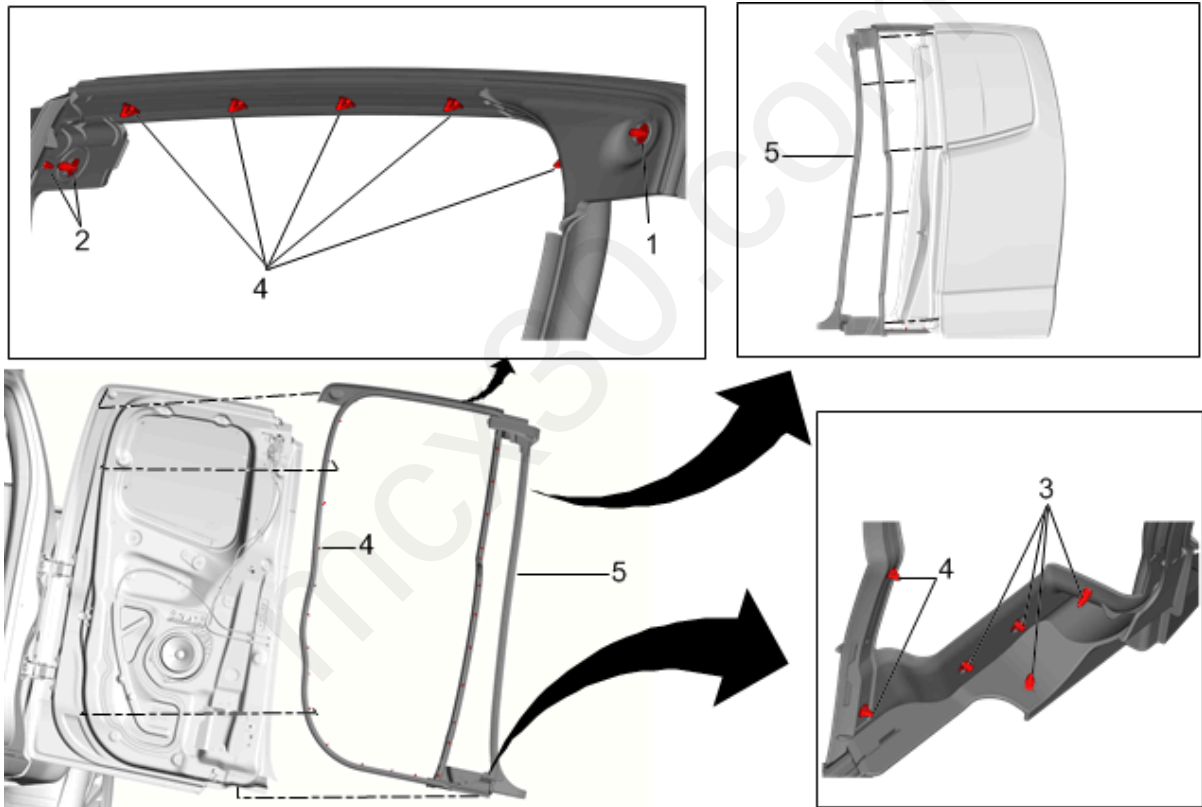


Fig. 56: Rear Side Door Weatherstrip - Door Side (Extended Cab)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name

Component Name

Preliminary Procedures

1. Open the doors to the full open position.
2. Remove the rear side door check link bolt. Refer to [Rear Side Door Check Link Replacement \(Extended Cab\)](#).
3. Reposition the rear side door latch control to gain access to the weatherstrip. It is not necessary to completely remove the rear side door latch control. Refer to [Rear Side Door Latch Control Replacement](#).

1	Rear Side Door Weatherstrip Upper Inside Retainer Procedure Using the appropriate tool, remove the retainer from the upper inside corner of the door.
2	Rear Side Door Weatherstrip Upper Outside Retainer (Qty: 2) Procedure Using the appropriate tool, remove the retainers from the upper outside corner of the door.
3	Rear Side Door Weatherstrip Lower Outer Retainer (Qty: 4) Procedure Using the appropriate tool, remove the retainers from the lower outside corner of the door.
4	Rear Side Door Weatherstrip Retainer (Qty: 30) Procedure Using the appropriate tool, remove the retainers from around the door.
5	Rear Side Door Weatherstrip To Door Side Procedure 1. Pull the weatherstrip away from the door frame. 2. Slide the weatherstrip forward from the door frame. 3. Slide the weatherstrip rearward on the door frame and press firmly to ensure adhesion to the door frame. 4. Ensure that the weatherstrip is fully seated in the door frame. NOTE: • Not all integral retainers are shown for clarity. • Inspect the door to ensure a proper seal after the weatherstrip has been replaced.

REAR SIDE DOOR WEATHERSTRIP REPLACEMENT - BODY SIDE

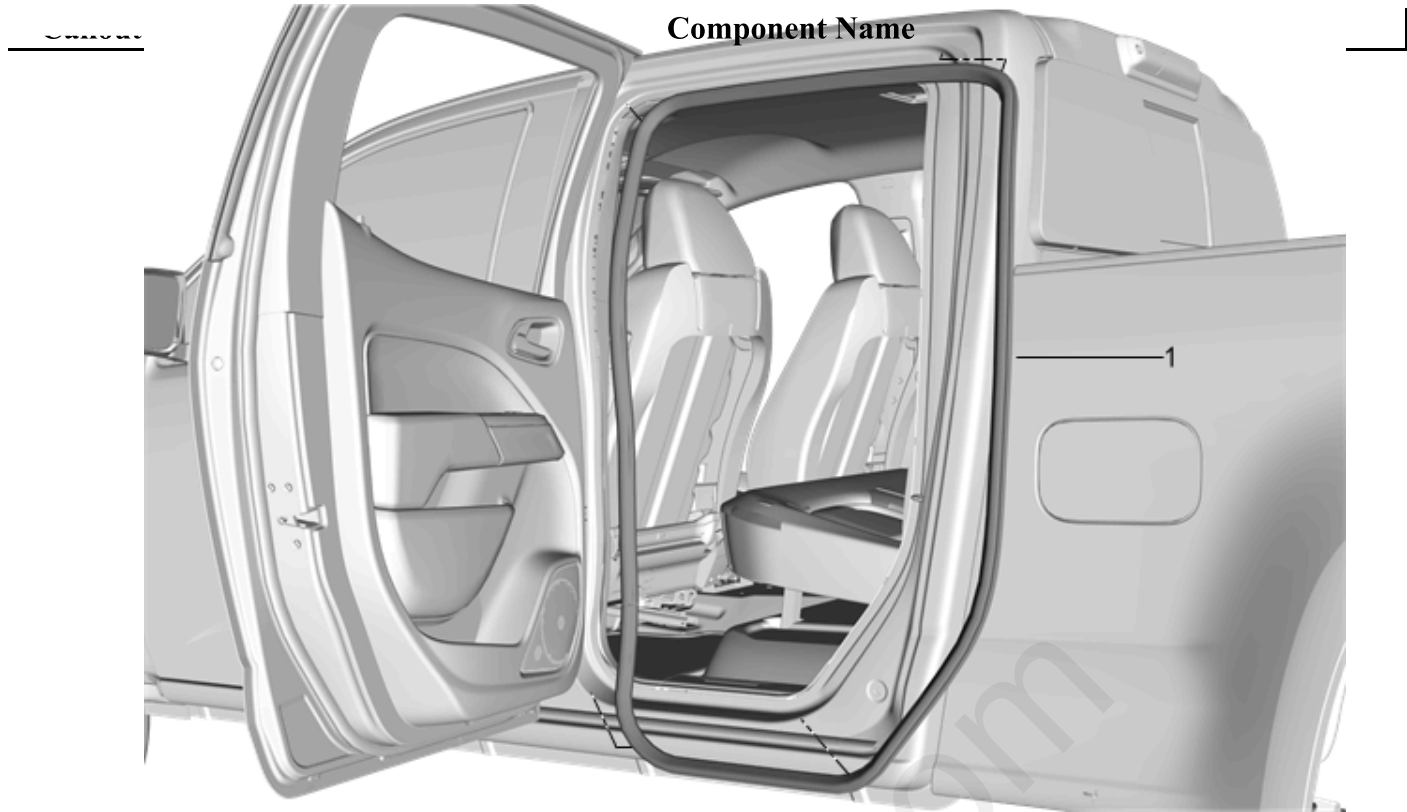


Fig. 57: Rear Side Door Weatherstrip - Body Side
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Rear Side Door Weatherstrip to 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. Using the appropriate tool, reposition the interior trim as necessary. 4. Working downward along the front edge, install the weatherstrip on the door opening flange ensuring that the carrier is fully seated in the corners. 5. 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

ch 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.

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