

2017 ACCESSORIES & EQUIPMENT**Interior Trim and Paneling - CT6****SPECIFICATIONS****FASTENER SPECIFICATIONS****Single Use Non-Threaded Fasteners/Components****NOTE:**

All fasteners/components listed in this table MUST BE DISCARDED and replaced with NEW after removal.

Application
Body Side Rear Window Garnish Molding Tether Clip
Front Side Door Trim Belt Line Clip
Front Side Door Trim High-Retention Retainer
Rear Side Door Trim Belt Line Clip
Windshield Garnish Molding Tether Clip

Reusable Threaded Fastener Tightening Specifications**NOTE:**

All fasteners listed in this table can be reused after removal.

Application	Specification
	Metric (English)
Cargo Tie Down Loop Fastener	20 N.m (15 lb ft)
Coat Hook Fastener	6 N.m (53 lb in)
Front Side Door Armrest Bracket Bolt	2.5 N.m (22 lb in)
Front Side Door Inside Handle Fastener	2.5 N.m (22 lb in)
Front Side Door Trim Panel Applique Fastener	2.5 N.m (22 lb in)
Front Side Door Trim Panel Fastener	2.5 N.m (22 lb in)
Quarter Panel Upper Applique Fastener	2.5 N.m (22 lb in)
Rear Compartment Lid Inside Handle Fastener	2.5 N.m (22 lb in)
Rear Side Door Armrest Bracket Fastener	2.5 N.m (22 lb in)
Rear Side Door Armrest Pull Cup Bracket Fastener	2.5 N.m (22 lb in)
Rear Side Door Ashtray Fastener	1 N.m (9 lb in)
Rear Side Door Inside Handle Fastener	2.5 N.m (22 lb in)
Rear Side Door Trim Panel Fastener	2.5 N.m (22 lb in)
Rear Side Door Window Inside Sunshade Fastener	2.5 N.m (22 lb in)
Rear Window Inside Sunshade Fastener	2.5 N.m (22 lb in)
Roof Rail Assist Handle Fastener	8 N.m (71 lb in)
Sunshade Fastener	2 N.m (18 lb in)
Sunshade Support Fastener	2.5 N.m (22 lb in)

SCHEMATIC WIRING DIAGRAMS**SUNSHADE WIRING SCHEMATICS****Rear Window Sunshade (DB3)**

REAR WINDOW INSIDE SUNSHADE 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.

Diagnostic Fault Information

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
Rear Window Sunshade Control Module Ignition	2	2	-	-
Rear Window Sunshade Control Module Ground	-	2	-	-
Rear Window Sunshade Motor Control	2	2	2	-
Backup Lamp Signal	B2545 02	1	1	-
Rear Sunshade Switch Express Signal	2	2	2	-
Overhead Console Multifunction Switch Ground	-	3	-	-
Left Rear Door Sunshade Switch Ground	-	4	-	-
Right Rear Door Sunshade Switch Ground	-	5	-	-
1. Rear Window Sunshade Malfunction 2. Rear Window Sunshade Inoperative 3. Rear Window Sunshade Inoperative From Overhead Console Sunshade Switch 4. Rear Window Sunshade Inoperative From Left Rear Window Sunshade Switch 5. Rear Window Sunshade Inoperative From Right Rear Window Sunshade Switch				

Circuit/System Description

The rear window sunshade control module contains the logic for extending or retracting the sunshade based on inputs received from the sunshade switches. The control switches are a momentary type, one is located in the overhead console, the others are located on the left rear and right rear door arm rests. The module activates the sunshade motor based on the inputs received from any switch. When the ignition switch is in the ON position, voltage is applied to the rear window sunshade control module. The rear window sunshade control module controls the rear window sunshade motor direction by changing the polarity of the applied voltage. If the ignition switch is turned to the OFF position while the sunshade is moving, the module enters a "Standby" mode and the shade will complete its cycle. The module will remain in the "Standby" mode and the shade will remain in the position it was in when movement ceased, until the module receives another switch activation input. Movement will then resume, but in the opposite direction from the last activation.

The left rear and right rear door sunshade switches are dual function switches, pressing one side of the switch will command the rear window sunshade to extend or retract, pressing the other side of the switch will command the rear sunroof sunshade to extend or retract.

The rear window sunshade control module also monitors the voltage level in the backup lamp control circuit, if the module detects voltage in the backup lamp circuit while the sunshade is extended, it will command the sunshade motor to retract the sunshade to provide the operator with an unobstructed view through the rear window and will automatically extend when the voltage in the backup lamps drops to 0 volts.

The sunshade motor assembly contains the reversible direct current drive motor and the gear train used to move the shade material to the desired position. The motor also contains a positive temperature coefficient thermal circuit breaker to protect the system from an overload.

Reference Information

Schematic Reference

Sunshade Schematics

Connector End View Reference

COMPONENT CONNECTOR END VIEWS - INDEX

Description and Operation

Rear Window Inside Sunshade Description and Operation

Electrical Information Reference

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

Circuit/System Verification

1. Ignition $\hat{A}$ » On / Vehicle $\hat{A}$ » In Service Mode
2. Verify the rear window sunshade will EXTEND and RETRACT when pressing the rear window sunshade switch on the S48B Multifunction Switch-Overhead Console and pressing the S90LR Sunshade Switch-Left Rear Door and pressing the S90RR Sunshade Switch-Right Rear Door.
 - **If the rear window sunshade EXTEND and RETRACT function does not work from the rear window sunshade switch on the S48B Multifunction Switch-Overhead Console only**

Refer to Circuit/System Testing - Overhead Console Rear Sunshade Switch Inoperative
 - **If the rear window sunshade EXTEND and RETRACT function does not work from the S90LR Sunshade Switch-Left Rear Door**

Refer to Circuit/System Testing - Rear Door Sunshade Switch Inoperative
 - **If the rear window sunshade EXTEND and RETRACT function does not work from the S90RR Sunshade Switch-Right Rear Door**

Refer to Circuit/System Testing - Rear Door Sunshade Switch Inoperative
 - **If the rear window sunshade EXTEND and RETRACT function is inoperative from all switches**

Refer to Circuit/System Testing - Rear Window Sunshade Inoperative
 - **If the rear window sunshade EXTEND and RETRACT functions from all switches**
3. Command the rear window sunshade to EXTEND by pressing the rear window sunshade switch the S48B Multifunction Switch-Overhead Console.
4. Verify the rear window sunshade RETRACT function by commanding the Backup Lamps On with a scan tool.
 - **If the rear window sunshade does not RETRACT**

Refer to Circuit/System Testing - Reverse Override Malfunction
 - **If the rear window sunshade does RETRACT**

5. All OK.

Circuit/System Testing

Overhead Console Rear Sunshade Switch Inoperative

1. Ignition/Vehicle & All vehicle systems $\hat{\mathbf{A}} \gg$ Off Disconnect the harness connector at the S48B Multifunction Switch - Overhead Console. It may take up to 2 minutes for all vehicle systems to power down.
2. Test for less than 10 Ω between the ground circuit terminal 14 and ground.
 - **If 10 Ω or greater**
 1. Ignition/Vehicle $\hat{\mathbf{A}} \gg$ 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 $\hat{\mathbf{A}} \gg$ On / Vehicle $\hat{\mathbf{A}} \gg$ In Service Mode
4. Test for 4.8-5.2 V between the signal circuit terminal 11 and ground.
 - **If less than 4.8 V**
 1. Ignition/Vehicle $\hat{\mathbf{A}} \gg$ Off Disconnect the harness connector at the K50 Rear Window Sunshade 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 K50 Rear Window Sunshade Module.
 - **If greater than 5.2 V**
 1. Ignition/Vehicle $\hat{\mathbf{A}} \gg$ Off Disconnect the harness connector at the K50 Rear Window Sunshade Module, Ignition $\hat{\mathbf{A}} \gg$ On / Vehicle $\hat{\mathbf{A}} \gg$ In Service Mode
 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, replace the K50 Rear Window Sunshade Module.
 - **If between 4.8-5.2 V**
5. Test or replace the S48B Multifunction Switch-Overhead Console.

Rear Door Sunshade Switch Inoperative

1. Ignition/Vehicle & All vehicle systems $\hat{\mathbf{A}} \gg$ Off Disconnect the harness connector at the appropriate left or right S90 Sunshade Switch - Rear Door. It may take up to 2 minutes for all vehicle systems to power down.
2. Test for less than 10 Ω between the ground circuit terminal 5 and ground.
 - **If 10 Ω or greater**
 1. Ignition/Vehicle $\hat{\mathbf{A}} \gg$ 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 $\hat{\mathbf{A}} \gg$ On / Vehicle $\hat{\mathbf{A}} \gg$ In Service Mode
4. Test for 4.8-5.2 V between the signal circuit terminal 2 and ground.
 - **If less than 4.8 V**
 1. Ignition/Vehicle $\hat{\mathbf{A}} \gg$ Off Disconnect the harness connector at the K50 Rear Window Sunshade 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 K50 Rear Window Sunshade Module.
- **If greater than 5.2 V**
 1. Ignition/Vehicle $\hat{A}$ » Off Disconnect the harness connector at the K50 Rear Window Sunshade Module, Ignition $\hat{A}$ » On / Vehicle $\hat{A}$ » In Service Mode
 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, replace the K50 Rear Window Sunshade Module.
- **If between 4.8-5.2 V**
5. Test or replace the S90 Sunshade Switch - Rear Door.

Rear Window Sunshade Inoperative

1. Ignition/Vehicle & All vehicle systems $\hat{A}$ » Off Disconnect the X1 harness connector at the K50 Rear Window Sunshade Module. It may take up to 2 minutes for all vehicle systems to power down.
2. Test for less than 10 Ω between the ground circuit terminal 5 and ground.
 - **If 10 Ω or greater**
 1. Ignition/Vehicle $\hat{A}$ » 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 $\hat{A}$ » On / Vehicle $\hat{A}$ » In Service Mode
4. Verify a test lamp illuminates between the ignition circuit terminal 4 and ground.
 - **If the test lamp does not illuminate and the circuit fuse is good**
 1. Ignition/Vehicle $\hat{A}$ » Off
 2. Test for less than 2 Ω in the ignition circuit end to end.
 - If 2 Ω or greater, repair the open/high resistance in the circuit.
 - If less than 2 Ω , refer to [Retained Accessory Power Malfunction](#) .
 - **If the test lamp does not illuminate and the circuit fuse is open**
 1. Ignition/Vehicle $\hat{A}$ » Off
 2. Test for infinite resistance between the ignition circuit and ground.
 - If less than infinite resistance, repair the short to ground on the circuit.
 - If infinite resistance, replace the K50 Rear Window Sunshade Module
 - **If the test lamp illuminates**
5. Connect a test lamp between the signal circuit terminal 1 and B+.
6. Verify the test lamp turns ON and OFF when pressing the S90LR Sunshade Switch - Left Rear Door, when pressing the S90RR Sunshade Switch - Right Rear Door and when pressing the sunshade switch on the S48B Multifunction Switch-Overhead Console.
 - **If the test lamp is always ON**
 1. Ignition/Vehicle $\hat{A}$ » Off Remove the test lamp, disconnect the harness connector at the S90LR Sunshade Switch - Left Rear Door, the S90RR Sunshade Switch - Right Rear Door and the S48B Multifunction Switch - Overhead Console
 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, test or replace the S90LR Sunshade Switch - Left Rear Door or the S90RR Sunshade Switch - Right Rear Door or the S48B Multifunction Switch-Overhead Console.
- **If the test lamp is always OFF**
 1. Ignition/Vehicle $\hat{A}$ » Off Remove the test lamp, disconnect the harness connector at the S90LR Sunshade Switch - Left Rear Door, the S90RR Sunshade Switch - Right Rear Door and the S48B Multifunction Switch-Overhead Console, Ignition $\hat{A}$ » On / Vehicle $\hat{A}$ » In Service Mode.
 2. Test for less than 1 V between the signal circuit terminal 1 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 , test or replace the S90LR Sunshade Switch-Left Rear Door or the S90RR Sunshade Switch-Right Rear Door or the S48B Multifunction Switch-Overhead Console
- **If the test lamp turns ON and OFF**
 7. Ignition/Vehicle & All vehicle systems $\hat{A}$ » Off Connect the X1 harness connector at the K50 Rear Window Sunshade Module and disconnect the harness connector at the M44 Rear Window Sunshade Motor. It may take up to 2 minutes for all vehicle systems to power down
 8. Test for less than 35 Ω between the control circuit terminal 1 and ground.
 - **If 35 Ω or greater**

Replace the K50 Rear Window Sunshade Module.
 - **If less than 35 Ω**
 9. Test for less than 35 Ω between the control circuit terminal 2 and ground.
 - **If 35 Ω or greater**

Replace the K50 Rear Window Sunshade Module.
 - **If less than 35 Ω**
 10. Connect a test lamp between control circuit terminal 1 and control circuit terminal 2. Ignition $\hat{A}$ » On / Vehicle $\hat{A}$ » In Service Mode
 11. Verify the test lamp turns ON when pressing the sunshade switch on the S48B Multifunction Switch-Overhead Console
 - **If the test lamp remains OFF during either of the commands**

Replace the K50 Rear Window Sunshade Module.
 - **If the test lamp turns ON during each of the commands**
 12. Test or replace the M44 Rear Window Sunshade Motor.

Reverse Override Malfunction

1. Ignition/Vehicle $\hat{A}$ » Off Disconnect the X1 harness connector at the K50 Rear Window Sunshade Module. Ignition $\hat{A}$ » On / Vehicle $\hat{A}$ » In Service Mode
2. Connect a test lamp between the control circuit terminal 3 and the ground circuit terminal 5.
3. Verify the test lamp turns ON and OFF when commanding the Backup Lamps On and Off with a scan tool.
 - **If the test lamp does not turn ON**
 1. Ignition/Vehicle $\hat{A}$ » Off Remove the test lamp, disconnect the X7 harness connector at the K9 Body Control Module.
 2. Test for infinite resistance between the control circuit terminal 3 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 control circuit end to end.

- If 2 Ω or greater, repair the open/high resistance in the circuit.
- If less than 2 Ω , refer to [Backup Lamps Malfunction](#).

• **If the test lamp does not turn OFF**

1. Ignition/Vehicle $\hat{\mathbf{A}}$ » Off Remove the test lamp, disconnect the X7 harness connector at the K9 Body Control Module. Ignition $\hat{\mathbf{A}}$ » On / Vehicle $\hat{\mathbf{A}}$ » In Service Mode

2. Test for less than 1 V between the control circuit and ground.

- If 1 V or greater, repair the short to voltage on the circuit.
- If less than 1 V, refer to [Backup Lamps Malfunction](#).

• **If the test lamp turns ON and OFF**

4. Test or replace the K50 Rear Window Sunshade Module.

Component Testing

Rear Door Sunshade Switch

1. Ignition/Vehicle $\hat{\mathbf{A}}$ » Off Disconnect the harness connector at the appropriate left or right S90 Sunshade Switch- Rear Door.

2. Test for infinite resistance between the signal terminal 2 and the ground terminal 5 with the switch in the open position.

• **If less than infinite resistance**

Replace the S90 Sunshade Switch- Rear Door.

• **If infinite resistance**

3. Test for less than 3 Ω between the signal terminal 2 and the ground terminal 5 with the switch in the closed position.

• **If 3 Ω or greater**

Replace the S90 Sunshade Switch - Rear Door.

• **If less than 3 Ω**

4. All OK.

Overhead Console Sunshade Switch

1. Ignition/Vehicle $\hat{\mathbf{A}}$ » Off Disconnect the harness connector at the S48B Multifunction Switch-Overhead Console

2. Test for infinite resistance between the signal terminal 11 and the ground terminal 14 with the switch in the open position.

• **If less than infinite resistance**

Replace the S48B Multifunction Switch-Overhead Console.

• **If infinite resistance**

3. Test for less than 3 Ω between the signal terminal 11 and the ground terminal 14 with the switch in the closed position.

• **If 3 Ω or greater**

Replace the S48B Multifunction Switch-Overhead Console.

• **If less than 3 Ω**

4. All OK.

Rear Window Sunshade Motor

1. Ignition/Vehicle $\hat{\mathbf{A}}$ » Off Disconnect the harness connector at the M44 Rear Window Sunshade Motor.

2. Install a 10 A fused jumper wire between one of the control terminals and 12 V. Momentarily install a jumper wire between the other control terminal and ground. Reverse the jumper wires at least two times, the M44 Rear Window Sunshade Motor should EXTEND and RETRACT functions.

- If the function does not perform the EXTEND and RETRACT functions

Replace the M44 Rear Window Sunshade Motor.

- If the function performs the EXTEND and RETRACT functions

3. All OK.

Repair Instructions

Perform the [Diagnostic Repair Verification](#) after completing the repair.

- [Interior Lamp Switch Replacement](#)
- [Rear Window Inside Sunshade Replacement](#)

REPAIR INSTRUCTIONS

FRONT SIDE DOOR ARMREST SWITCH MOUNT PLATE REPLACEMENT (DRIVERS SIDE)

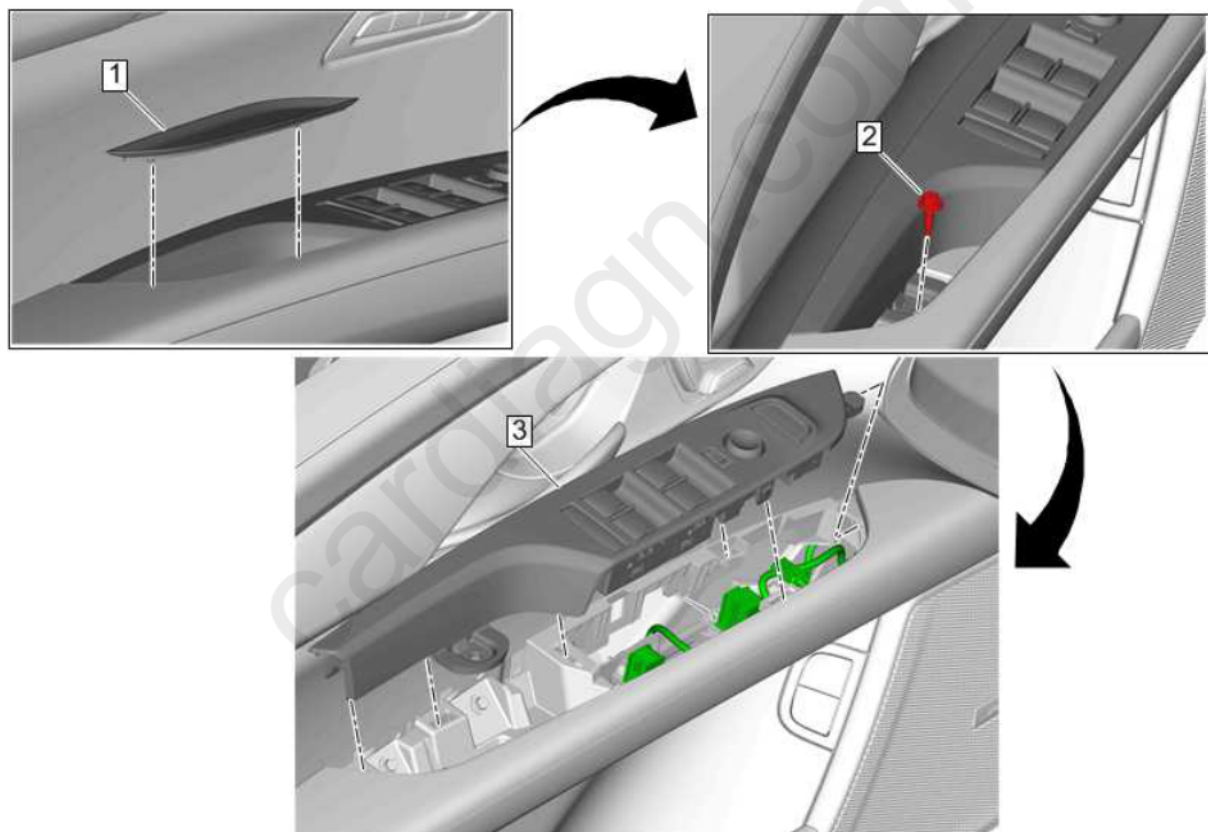


Fig. 2: Front Side Door Armrest Switch Mount Plate (Drivers Side)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Side Door Armrest Pull Cup Bolt Cap
2	Front Side Door Armrest Bracket Bolt CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)

Callout	Component Name
3	Front Side Door Armrest Switch Mount Plate Procedure 1. Using a flat bladed plastic trim tool, start at the rear of the armrest switch plate and gently insert trim tool to lift the front side door armrest switch mount plate from the door trim. 2. Rotate the armrest switch mount plate up and rearward to unhook the front retaining feature. 3. Disconnect all electrical connectors. 4. Transfer components as necessary.

FRONT SIDE DOOR ARMREST SWITCH MOUNT PLATE REPLACEMENT (PASSENGER SIDE)

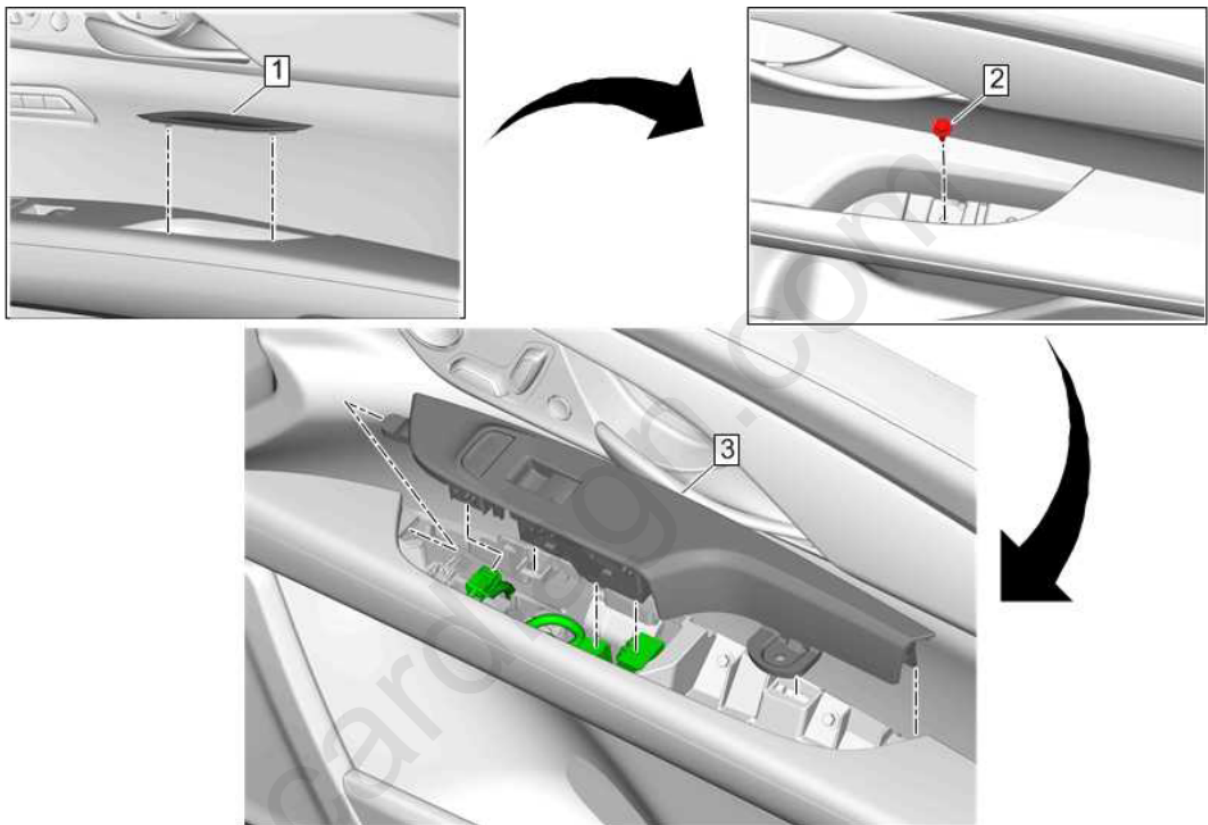


Fig. 3: Front Side Door Armrest Switch Mount Plate (Passenger Side)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Side Door Armrest Pull Cup Bolt Cap
2	Front Side Door Armrest Bracket Bolt CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)

Callout	Component Name
3	Front Side Door Armrest Switch Mount Plate Procedure 1. Using a flat bladed plastic trim tool, start at the rear of the armrest switch plate and gently insert trim tool to lift the front side door armrest switch mount plate from the door trim. 2. Rotate the armrest switch mount plate up and rearward to unhook the front retaining feature. 3. Disconnect all electrical connectors. 4. Transfer components as necessary.

REAR SIDE DOOR ARMREST PULL CUP BRACKET REPLACEMENT

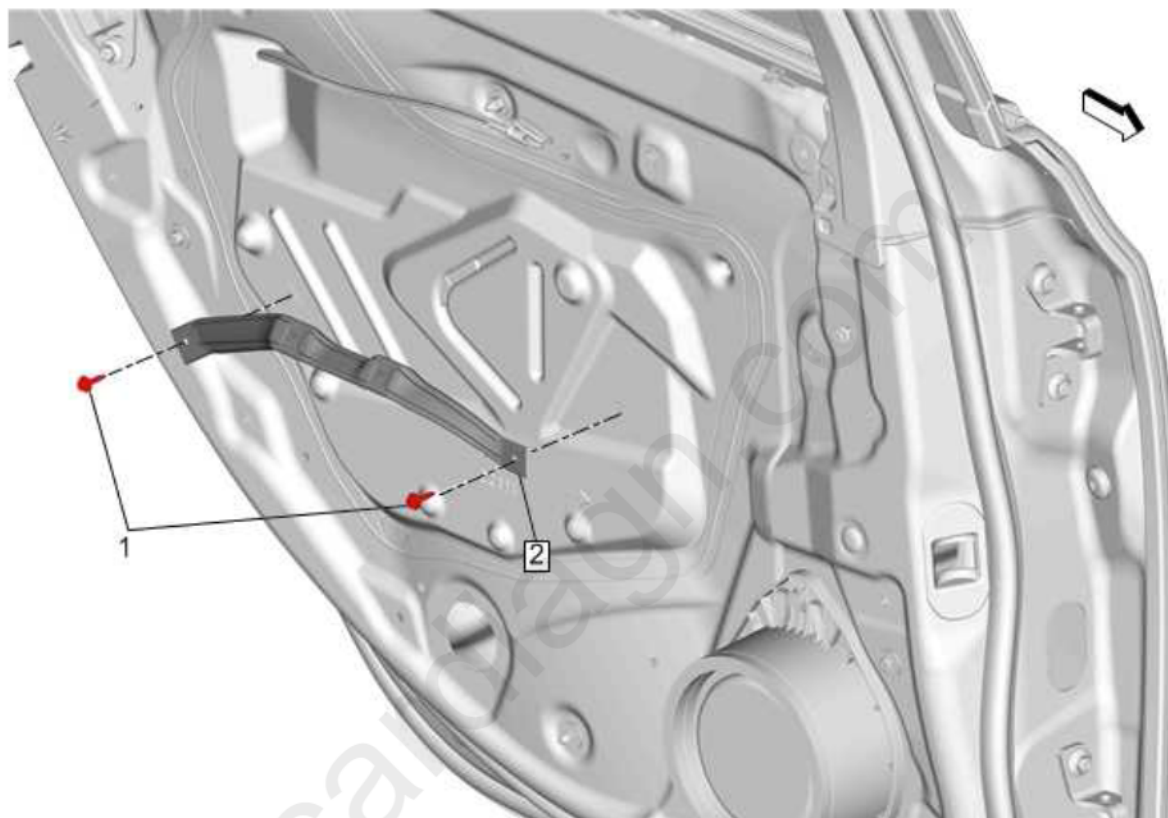


Fig. 4: Rear Side Door Armrest Pull Cup Bracket
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Rear Side Door Trim Replacement	
1	Rear Side Door Armrest Pull Cup Bracket Fastener [2x] CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
2	Rear Side Door Armrest Pull Cup Bracket

FRONT SIDE DOOR TRIM REPLACEMENT

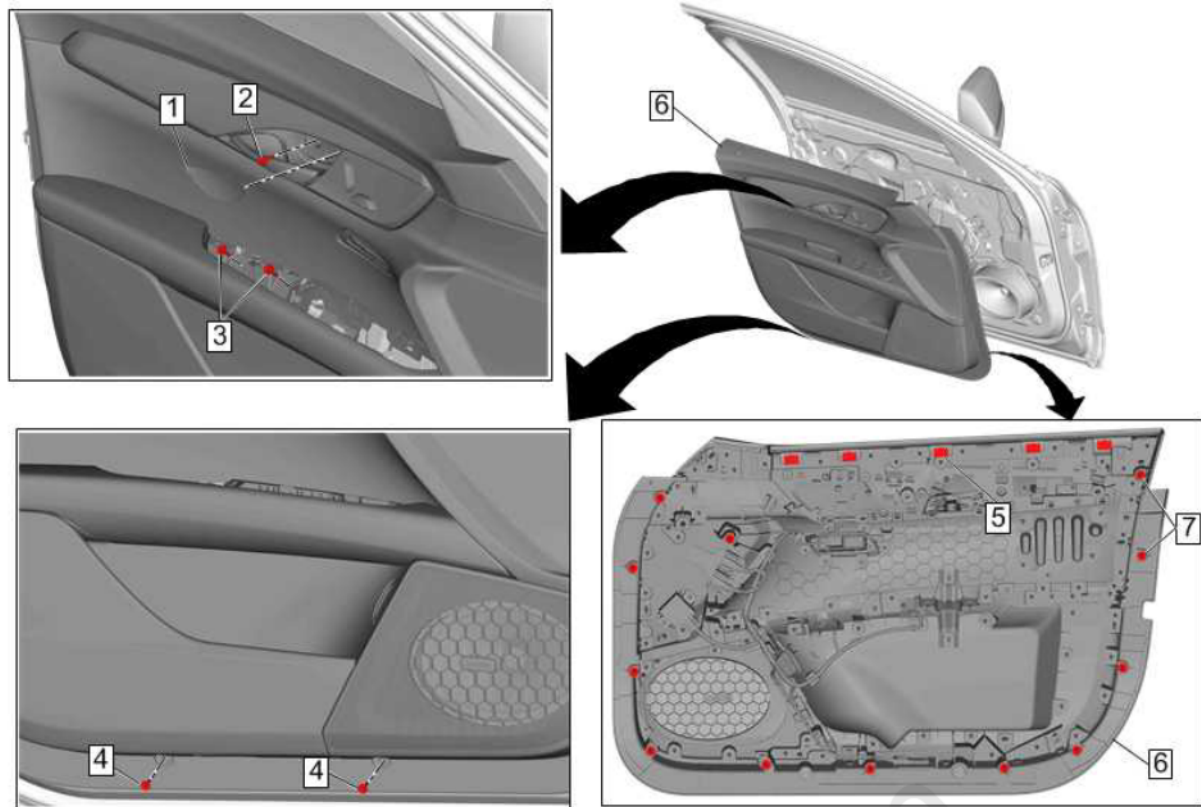


Fig. 5: Front Side Door Trim

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Front Side Door Armrest Switch Mount Plate Replacement (Drivers Side) Front Side Door Armrest Switch Mount Plate Replacement (Passenger Side)	
1	Front Side Door Inside Handle Bolt Finish Cap NOTE: Use a suitable tool, place the tool between the notch located at the top of the door handle cap and the door handle. Turn the suitable tool clockwise releasing the door handle cap, exposing the handle fastener.
2	Front Side Door Inside Handle Fastener CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
3	Front Side Door Armrest Bracket Bolt [2x] Tighten 2.5 N.m (22 lb in)
4	Front Side Door Trim Panel Fastener [2x] Tighten 2.5 N.m (22 lb in)
5	Front Side Door Trim Belt Line Clip [5x] NOTE: Make sure the belt line clips are replaced with new clips before re-attaching the door trim, even if they weren't damaged.

Callout	Component Name
6	Front Side Door Trim Procedure 1. Using the appropriate plastic trim tool loosen the retainers along the bottom of the door trim panel. 2. When the panel is sufficiently loosened, place inner hand behind panel and pull towards you to disengage integral retainers and clips. 3. While lifting out at the bottom, tilt the inner corner of panel down and with a short hard tap disengage clip from trim, leaving clip in metal. 4. Using appropriate tool, remove clip from sheet metal. 5. Disconnect the door lock retainer cable from the door trim panel and the inside handle. 6. Disconnect the electrical connector. 7. Place the door trim panel on a clean flat surface.
7	Front Side Door Trim High-Retention Retainer [2x] NOTE: • The two high retention retainers at the upper rear edge of the door trim will be destroyed during removal. It will require more than 67 pound feet of force to remove the fasteners, breaking them in the process • The lower high-retention fastener fits into a hole in the door frame and should be installed after the upper retainer is correctly located in the slot. Then reinsert the rest of the fasteners on the door trim moving from the rear to the front. • The high-retention retainers that are destroyed during removal must be replaced with new high-retention retainers to properly reattach the door trim.

FRONT SIDE DOOR TRIM PANEL APPLIQUE REPLACEMENT

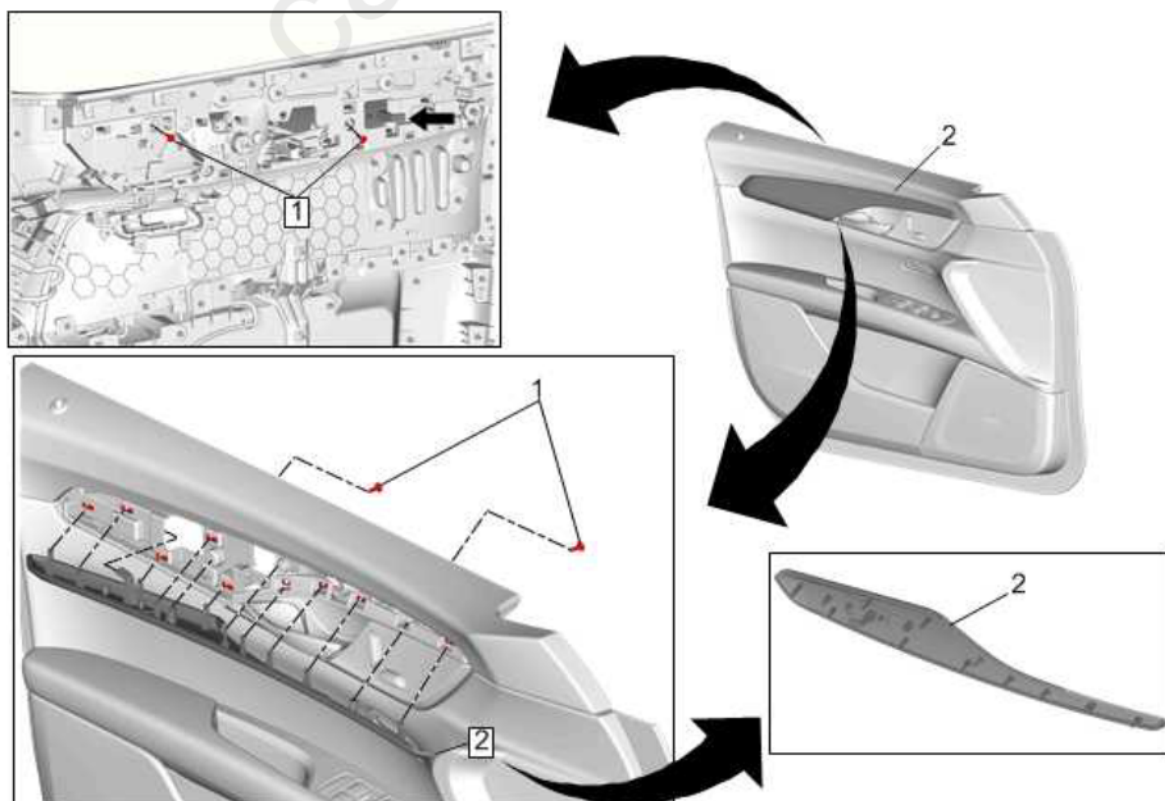


Fig. 6: Front Side Door Trim Panel Applique
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Front Side Door Trim Replacement - Reposition insulator, as required.	
1	Front Side Door Trim Panel Applique Fastener [2x] CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
2	Front Side Door Trim Panel Applique Procedure Using a flat-bladed plastic trim tool, start at the rear of the door trim panel applique and gently insert trim tool to lift the front side door trim panel applique from the door trim assembly. Pull forward to disengage foot on the rear of the front side door trim panel applique.

REAR SIDE DOOR TRIM PANEL APPLIQUE REPLACEMENT

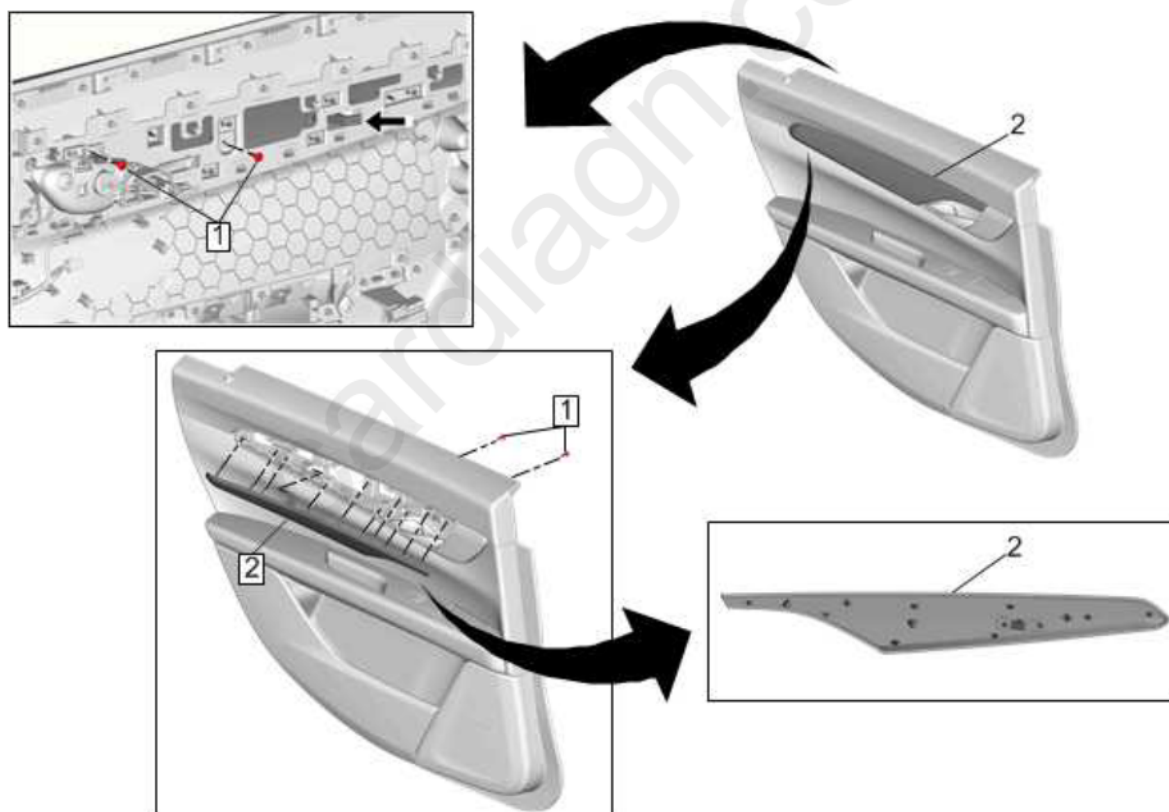


Fig. 7: Rear Side Door Trim Panel Applique
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Rear Side Door Trim Replacement - Reposition insulator, as required.	
Empty row for content	

Callout	Component Name
1	Rear Side Door Trim Panel Fastener [2x] CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
2	Rear Side Door Trim Panel Applique Procedure Using a flat-bladed plastic trim tool, start at the rear of the door trim panel applique and gently insert trim tool to lift the rear side door trim panel applique from the door trim assembly. Pull forward to disengage foot on the rear of the rear side door trim panel applique.

REAR SIDE DOOR WINDOW GARNISH MOLDING REPLACEMENT

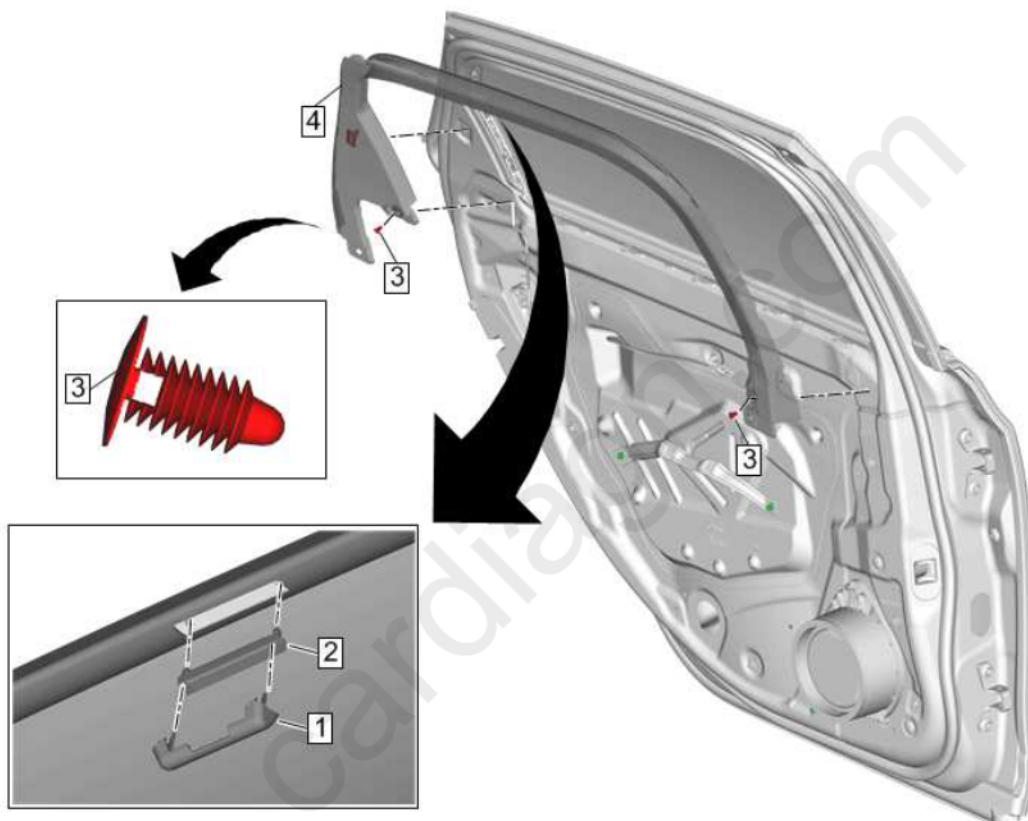


Fig. 8: Rear Side Door Window Garnish Molding

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Rear Side Door Trim Replacement	
1	Rear Side Door Window Inside Sunshade Hook
2	Rear Side Door Window Inside Sunshade Hook Retainer
3	Rear Side Door Window Garnish Molding Retainer [2x] Procedure Use a flat bladed plastic tool to remove the push-in retainers.

Callout	Component Name
4	Rear Side Door Window Garnish Molding Procedure 1. Pull outward starting at the front and moving slowly rearward to remove the molding. 2. Ensure that the door weatherstrip is not trapped below the garnish molding once completely installed. Reposition the weatherstrip as necessary. NOTE: There is a metal retainer on the backside of the rear portion of the garnish molding.

FRONT SIDE DOOR WINDOW GARNISH MOLDING REPLACEMENT

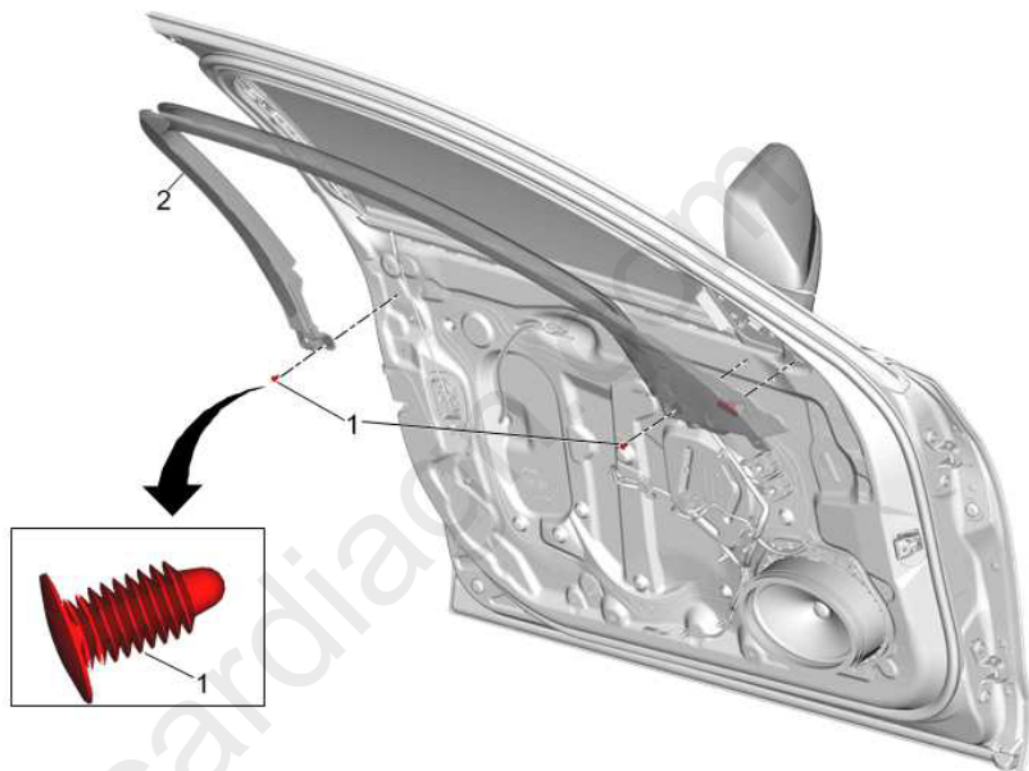


Fig. 9: Front Side Door Window Garnish Molding
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Front Side Door Trim Replacement	
1	Front Side Door Window Garnish Molding Retainer [2x] Procedure Use a flat bladed plastic tool to remove the push-in retainers.

Callout	Component Name
	Front Side Door Window Garnish Molding
	Procedure 1. Pull outward starting at the front and moving slowly rearward to remove the molding. 2. Ensure that the door weatherstrip is not trapped below the garnish molding once completely installed. Reposition the weatherstrip as necessary.
2	NOTE: There is a metal retainer on the backside of the front portion of the garnish molding.

FRONT SIDE DOOR ARMREST BRACKET REPLACEMENT

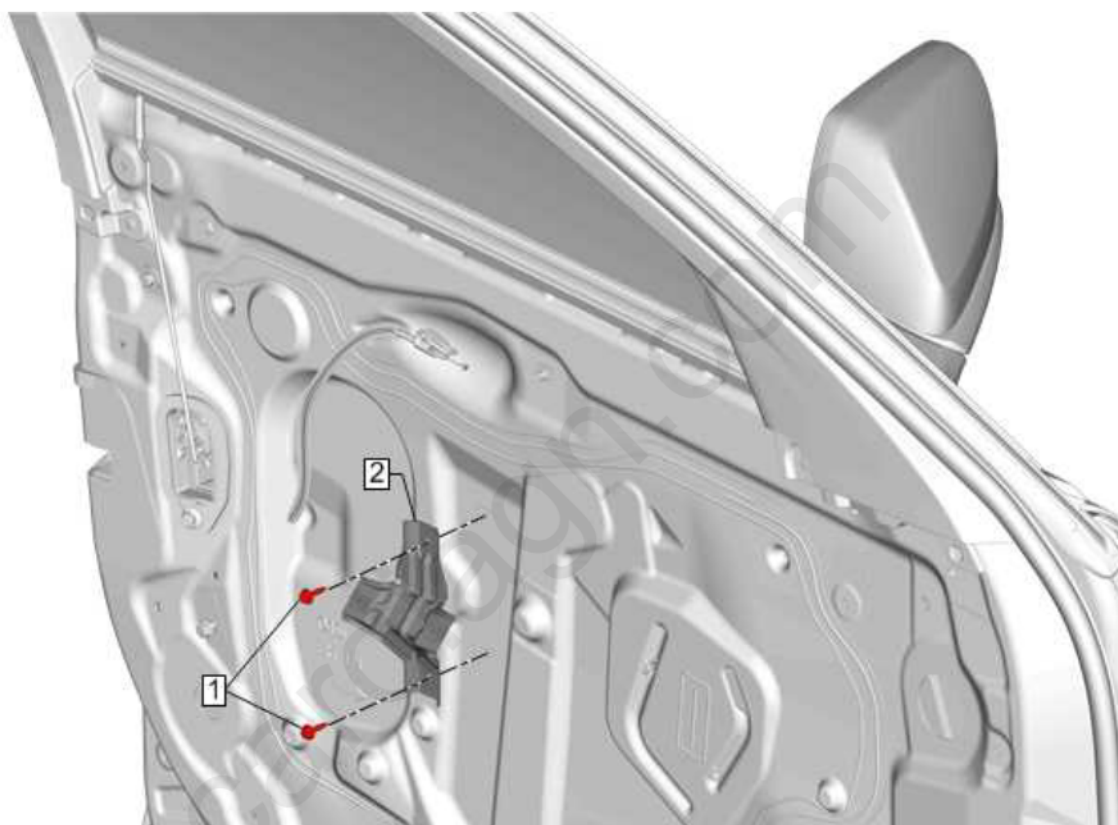


Fig. 10: Front Side Door Armrest Bracket
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Front Side Door Trim Replacement	
1	Front Side Door Armrest Bracket Fastener [2x] CAUTION: Refer to <u>Fastener Caution</u> Tighten 2.5 N.m (22 lb in)
2	Front Side Door Armrest Bracket

REAR SIDE DOOR ARMREST SWITCH MOUNT PLATE REPLACEMENT

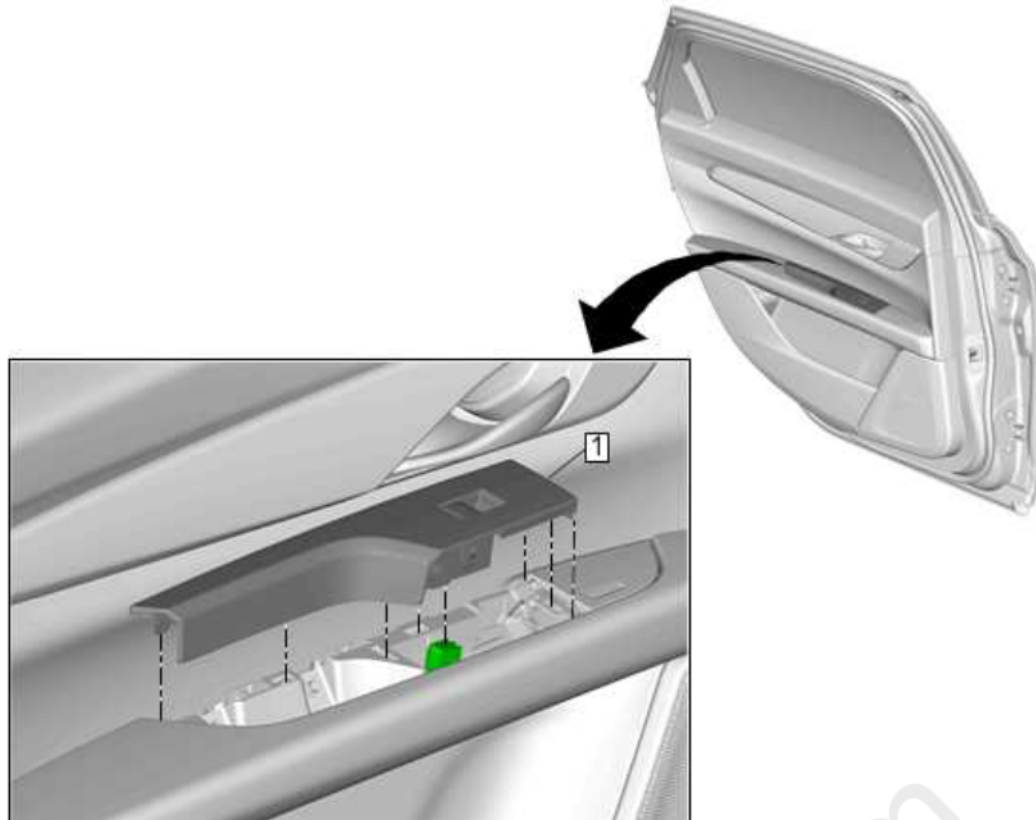


Fig. 11: Rear Side Door Armrest Switch Mount Plate
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Rear Side Door Armrest Switch Mount Plate Procedure 1. Using a flat-bladed plastic trim tool, start at the rear of the armrest switch mount plate and gently insert trim tool to lift the rear side door armrest switch mount plate from the door trim assembly. 2. Disconnect the electrical connector. 3. Transfer components as necessary.

REAR SIDE DOOR ASHTRAY REPLACEMENT

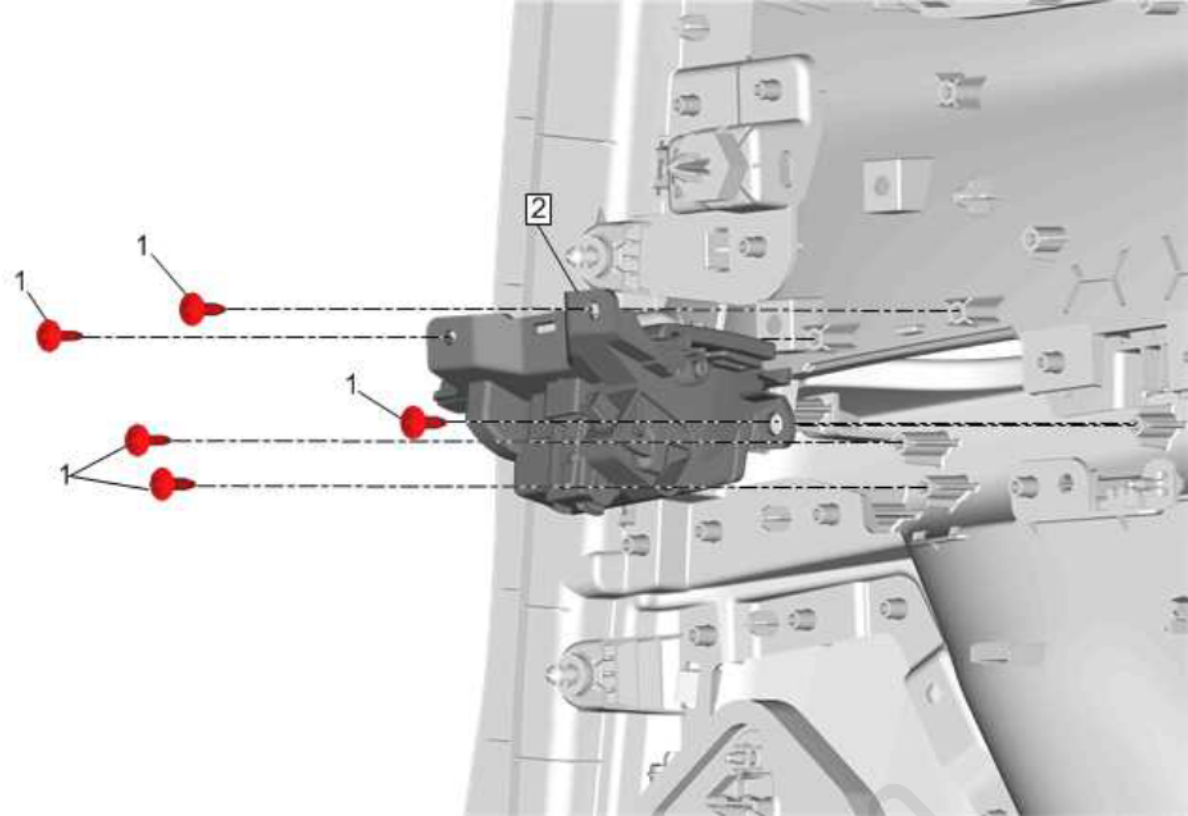


Fig. 12: Rear Side Door Ashtray

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Rear Side Door Trim Replacement	
1	Rear Side Door Ashtray Fastener [5x] CAUTION: Refer to Fastener Caution . Procedure Reposition rear side door trim panel insulator, as needed. Tighten 1 N.m (9 lb in)
2	Rear Side Door Ashtray

FRONT SIDE DOOR SILL GARNISH MOLDING REPLACEMENT



Fig. 13: Front Side Door Sill Garnish Molding
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Side Door Sill Trim Plate Procedure 1. Starting at the rear of the garnish molding, pull upward at the B-Pillar joint to disengage garnish molding. 2. Work your way forward disengaging all of the garnish molding clips then pull rearward to disengage the 2 clips on the forward vertical wall. 3. Reposition the front floor panel carpet as needed. 4. Disconnect electrical connections, if applicable.

ROOF RAIL ASSIST HANDLE REPLACEMENT (FRONT)

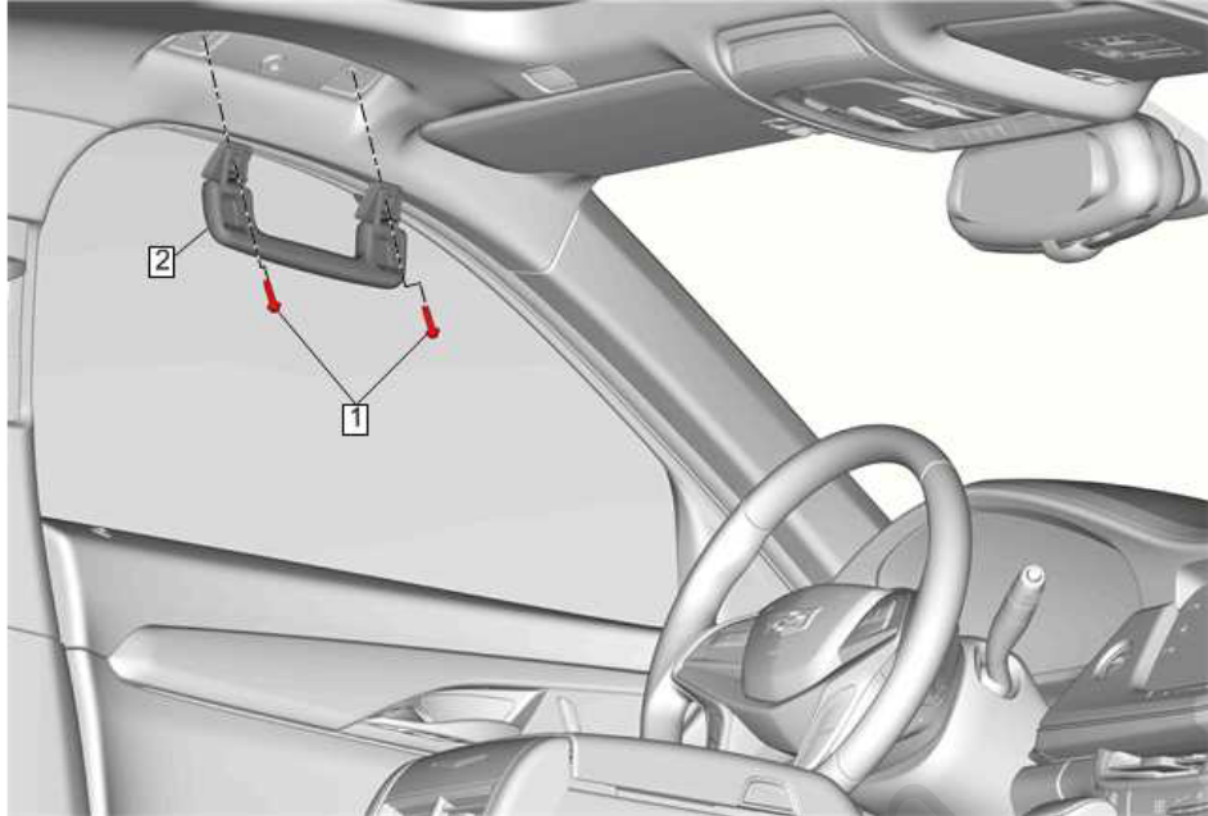


Fig. 14: Roof Rail Assist Handle (Front)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Roof Rail Assist Handle Fastener [2x] CAUTION: Refer to Fastener Caution . Procedure 1. Fold the roof rail assist handle downward and hold. 2. Use a small flat-bladed tool to open the roof rail assist handle covers to access the bolt. Tighten 8 N.m (71 lb in)
2	Roof Rail Assist Handle

ROOF RAIL ASSIST HANDLE REPLACEMENT (REAR)

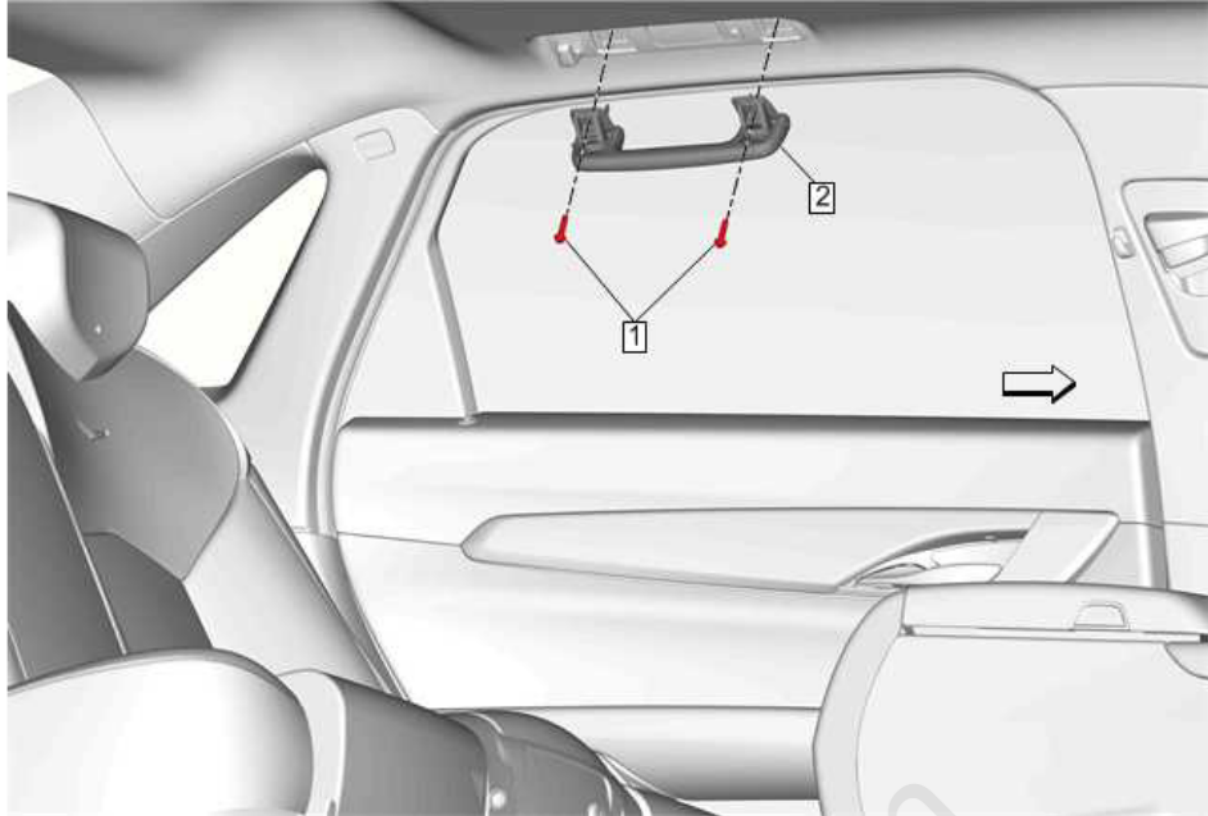


Fig. 15: Roof Rail Assist Handle (Rear)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Roof Rail Assist Handle Fastener [2x] CAUTION: Refer to Fastener Caution . Procedure 1. Fold the roof rail assist handle downward and hold. 2. Use a small flat-bladed tool to open the roof rail assist handle covers to access the bolt. Tighten 8 N.m (71 lb in)
2	Roof Rail Assist Handle

COAT HOOK REPLACEMENT

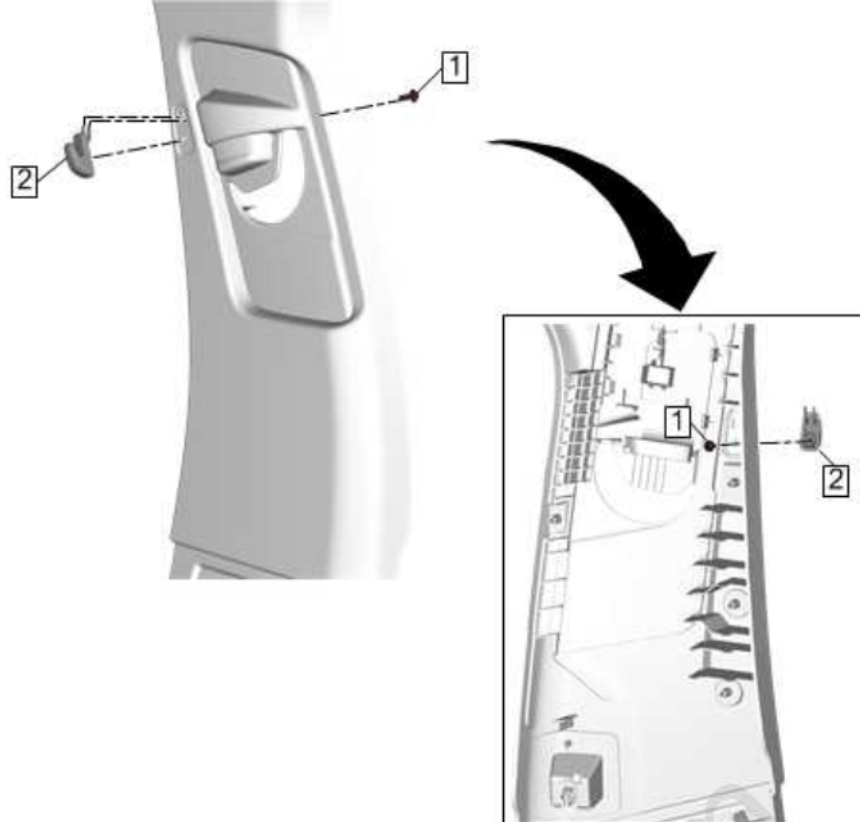


Fig. 16: Coat Hook

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Center Pillar Upper Trim Panel Replacement</u>	
1	Coat Hook Fastener CAUTION: Refer to <u>Fastener Caution</u> . NOTE: Coat Hook Fastener is located on the backside of the center pillar upper. Tighten 6 N.m (53 lb in)
2	Coat Hook

SUNSHADE REPLACEMENT

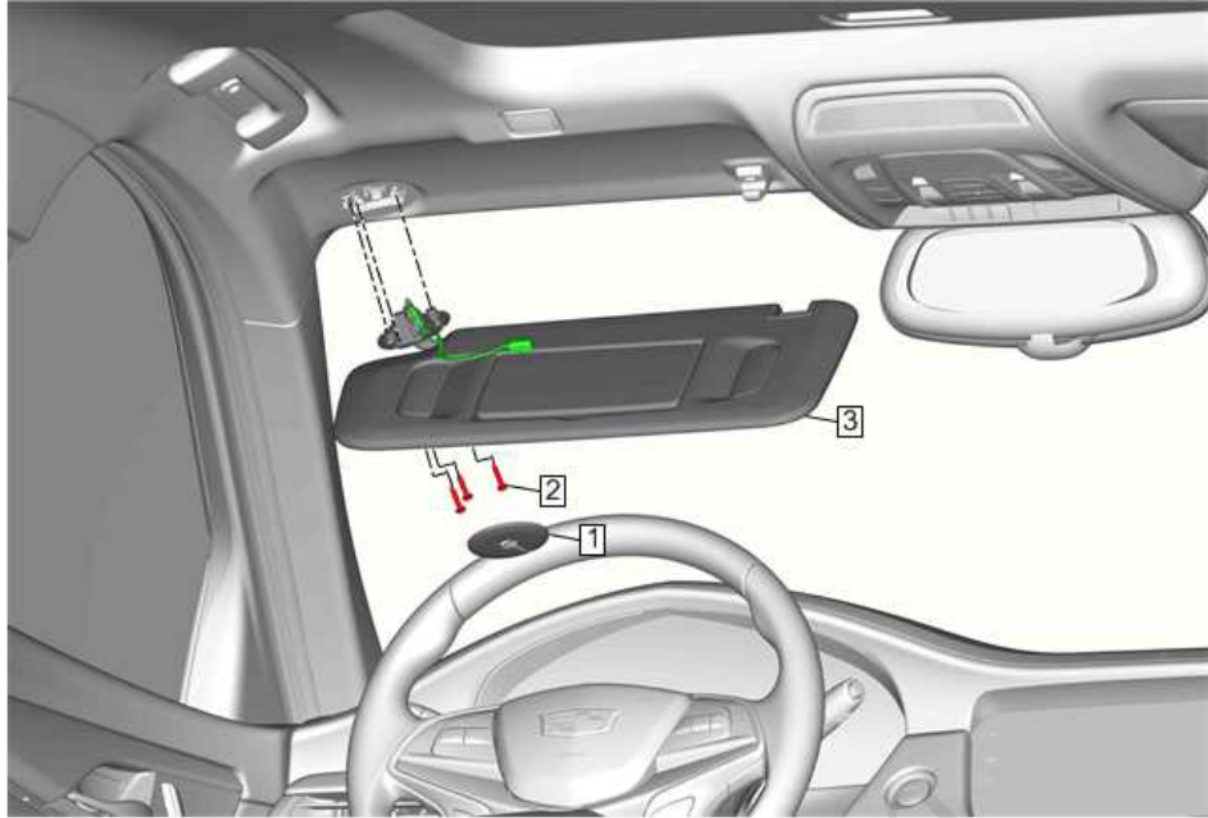


Fig. 17: Sunshade

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Lower the front portion of the headliner to access the sunshade electrical connector and sunshade retainer. Refer to Headlining Trim Panel Replacement (Without C3U) Headlining Trim Panel Replacement (With C3U) .	
1	Sunshade Retainer Bolt Cover
2	Sunshade Fastener [3x] CAUTION: Refer to Fastener Caution . Tighten 2 N.m (18 lb in)
3	Sunshade Procedure 1. Squeeze the tabs at the base of the sunshade assembly to detach it from the roof panel and allow the headliner with the sunshade attached to be lowered. 2. Disconnect the electrical connector. 3. Release the retainer attaching the sunshade to the headliner assembly.

SUNSHADE SUPPORT REPLACEMENT



Fig. 18: Sunshade Support

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Sunshade Support Fastener CAUTION: Refer to Fastener Caution . Procedure Open the sunshade support screw access cover with a appropriate tool. Tighten 2.5 N.m (22 lb in)
2	Sunshade Support Procedure Unclip the sunshade from the support and reposition.

WINDSHIELD GARNISH MOLDING REPLACEMENT

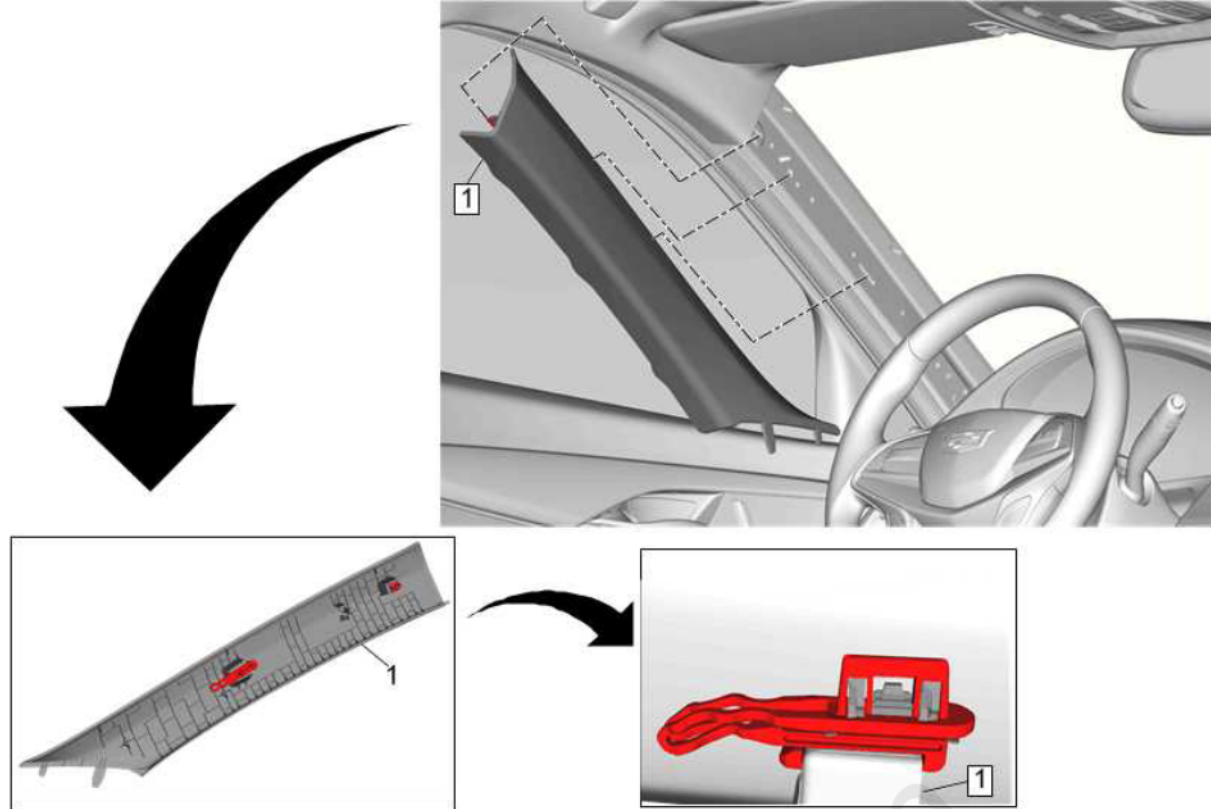


Fig. 19: Windshield Garnish Molding
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAUTION:	If a vehicle is equipped with a head curtain inflator module ensure that the inflator module and tether are undamaged. If tether or curtain airbag are damaged in any way, they must be replaced. CAUTION: Use care when working around the head curtain inflator module. Sharp tools may puncture the curtain airbag. If the head curtain inflator module is damaged in any way, it must be replaced. CAUTION: Whenever the windshield side garnish molding is removed or replaced, the upper retaining clip and tether must be replaced with a new one-piece service retainer clip. Failure to replace clip may cause the windshield side garnish molding to not fit or function as designed. Do not reuse the old clip, it is a one time only use design. Do not separate the two halves of the service retainer clip. Preliminary Procedure Disable the SIR system. Refer to SIR Disabling and Enabling .

Callout	Component Name
1	Windshield Garnish Molding Procedure 1. Pull the top of the A-Pillar inward to disengage the upper clip. 2. Pull upward to disengage from the instrument panel. 3. Remove the tether metal retainer from the bodyside by sliding a small flat-bladed tool on the outboard side to disengage the center tether retainer while sliding another small flat-bladed tool on the opposite side of the retainer to depress the outer tabs, maintain pressure on the tabs. 4. Rotate the tether metal retainer out parallel to the upper reinforcement body hinge pillar. 5. The tether clip at the center portion of the windshield garnish molding MUST be replaced every time the windshield garnish molding is removed. 6. Enable the SIR System. Refer to SIR Disabling and Enabling NOTE: Take care not to drop any portion of the retaining clip into the bodyside hinge pillar. This could cause an irreversible rattle condition.

BODY SIDE REAR WINDOW LOWER GARNISH MOLDING REPLACEMENT

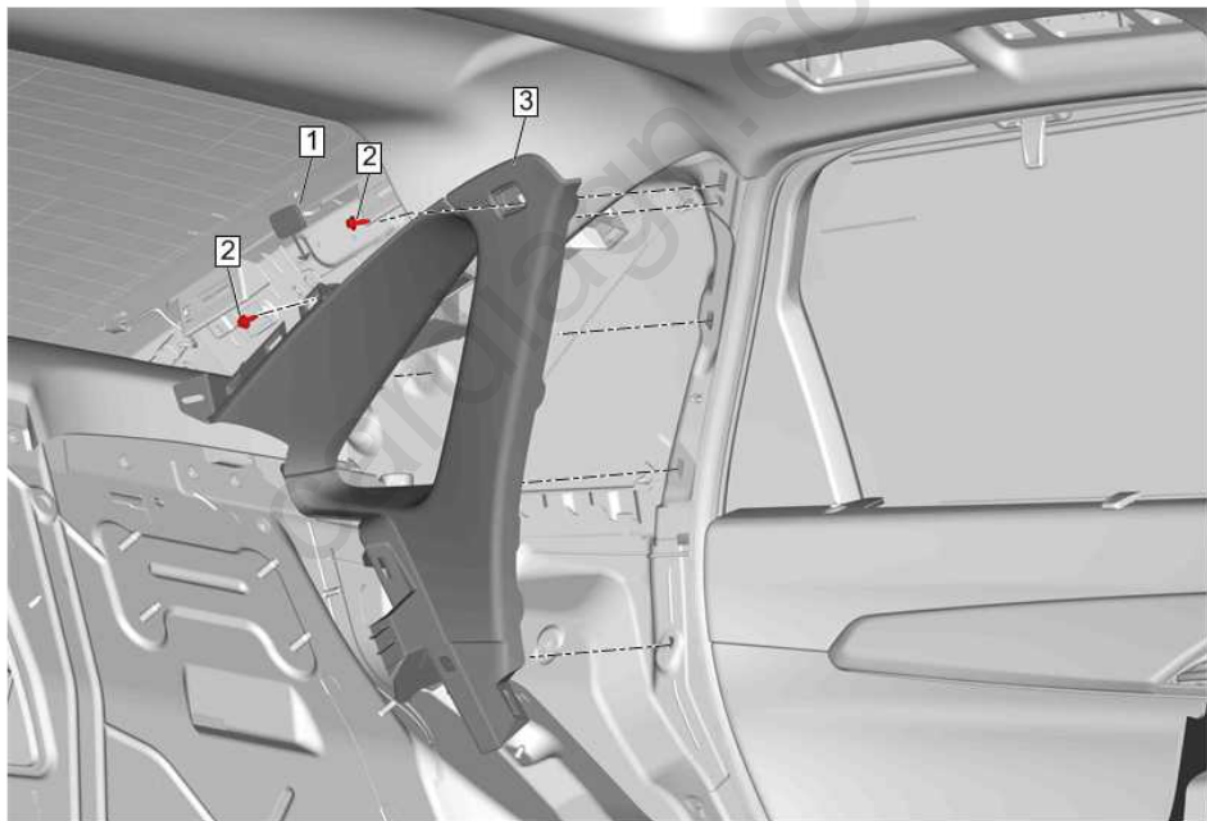


Fig. 20: Body Side Rear Window Lower Garnish Molding

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Rear Seat Belt Guide Trim Cover Replacement (except Platinum) Rear Seat Belt Guide Trim Cover Replacement (Platinum)	
1	Body Side Window Reveal Molding Cap Procedure Use a flat-bladed trim tool to open the molding cap.

Callout	Component Name
2	Quarter Panel Upper Applique Fastener CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
3	Body Side Rear Window Lower Garnish Molding Procedure Use a flat-bladed plastic trim tool to remove.

CENTER PILLAR UPPER TRIM PANEL REPLACEMENT

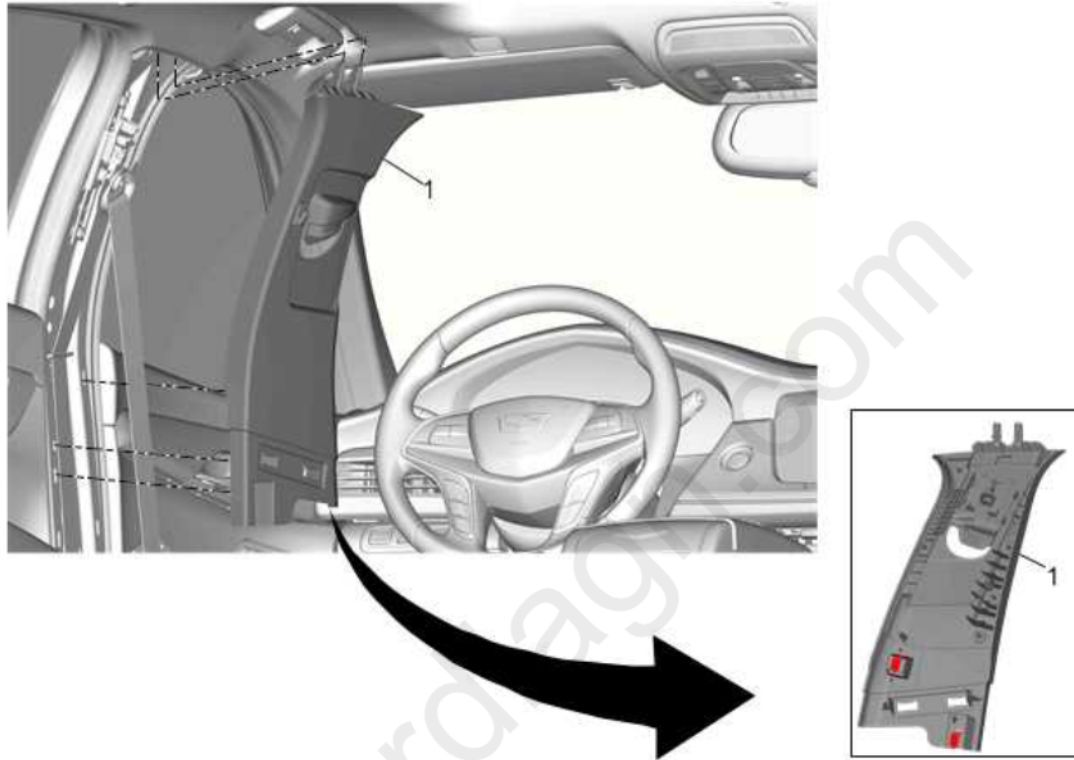


Fig. 21: Center Pillar Upper Trim Panel

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures Center Pillar Lower Trim Panel Replacement - Remove the driver or passenger seat belt anchor plate tensioner cover and fastener. Refer to Front Seat Belt Retractor Replacement - Move the seat to the full forward position.	
1	Center Pillar Upper Trim Panel Procedure - Pull the trim panel toward the inside of the vehicle to disengage the retainers. - When replacing the center pillar upper trim panel, feed the seat belt through the panel.

CENTER PILLAR LOWER TRIM PANEL REPLACEMENT

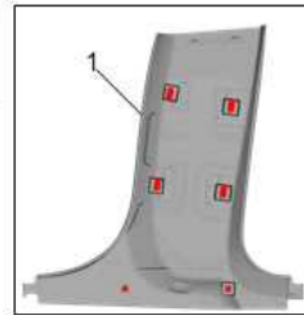
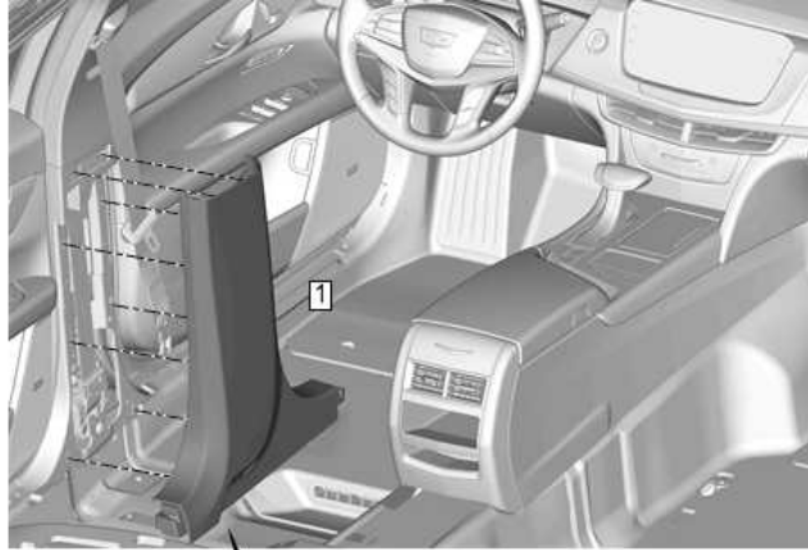


Fig. 22: Center Pillar Lower Trim Panel
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures <u>Front Side Door Sill Garnish Molding Replacement</u> <u>Body Lock Pillar Garnish Molding Replacement</u> - Move the seat to the full forward position.	
1	Center Pillar Lower Trim Panel Assembly Procedure - Pull the trim panel toward the inside of the vehicle to disengage the retainers. - Ensure the seat belt webbing does not become trapped during installation.

BODY SIDE LOWER TRIM PANEL NET REPLACEMENT

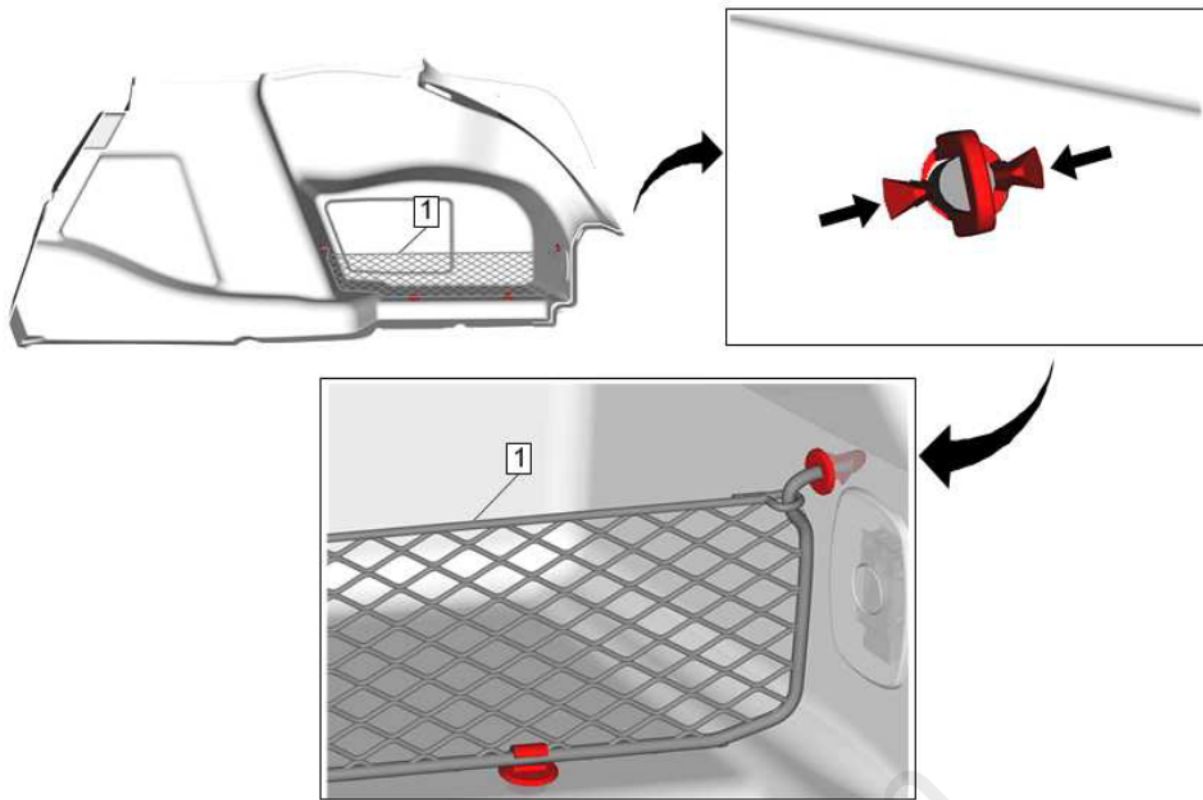


Fig. 23: Body Side Lower Trim Panel Net
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Rear Compartment Side Trim Replacement - Right Side (Without HP9)</u> <u>Rear Compartment Side Trim Replacement - Right Side (With HP9)</u>	
1	Body Side Lower Trim Panel Net Procedure 1. Unclip net from quarter turn rod clips. 2. Reposition insulator, as required. 3. From the backside of the rear compartment side trim, depress the tabs on both sides of the push rod clip to disengage.

REAR WINDOW PANEL TRIM REPLACEMENT (WITHOUT PLATINUM)

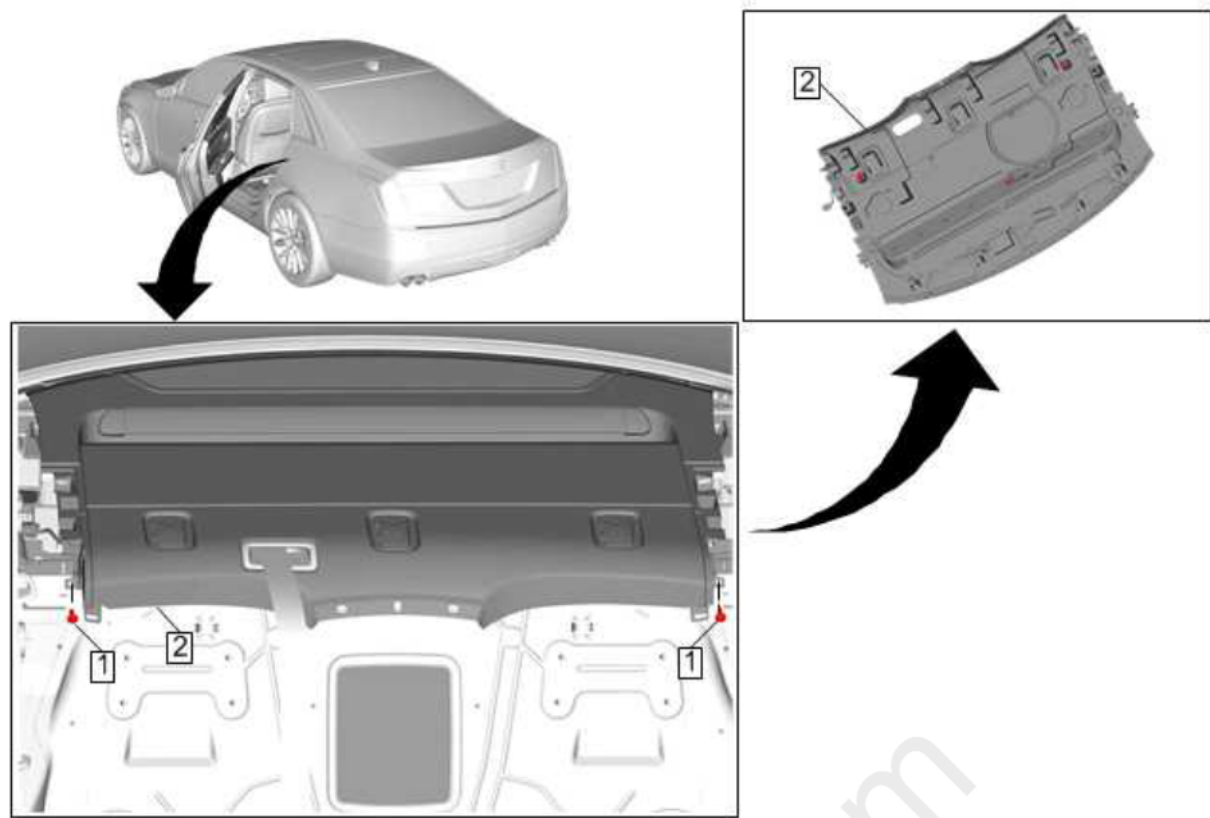


Fig. 24: Rear Window Panel Trim

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures	
<u>Rear Seat Belt Guide Trim Cover Replacement (except Platinum)</u>	
1	Rear Window Panel Trim Retainer [2x] Procedure Use a flat bladed plastic trim tool.
2	Rear Window Panel Trim Procedure 1. Loosen the 3 integral nuts in the panel rear window sheet metal and slide rear window panel trim forward slightly to clear keyhole slots. 2. Disconnect the electrical connector. 3. Lift up on the rear window panel to release the retainers under the forward portion of the panel. 4. With the aid of an assistant, guide the rear window panel forward in the vehicle and upwards to clear the speaker system. 5. When replacing the rear window panel trim assembly, transfer all necessary components.

REAR WINDOW PANEL TRIM REPLACEMENT (WITH PLATINUM)

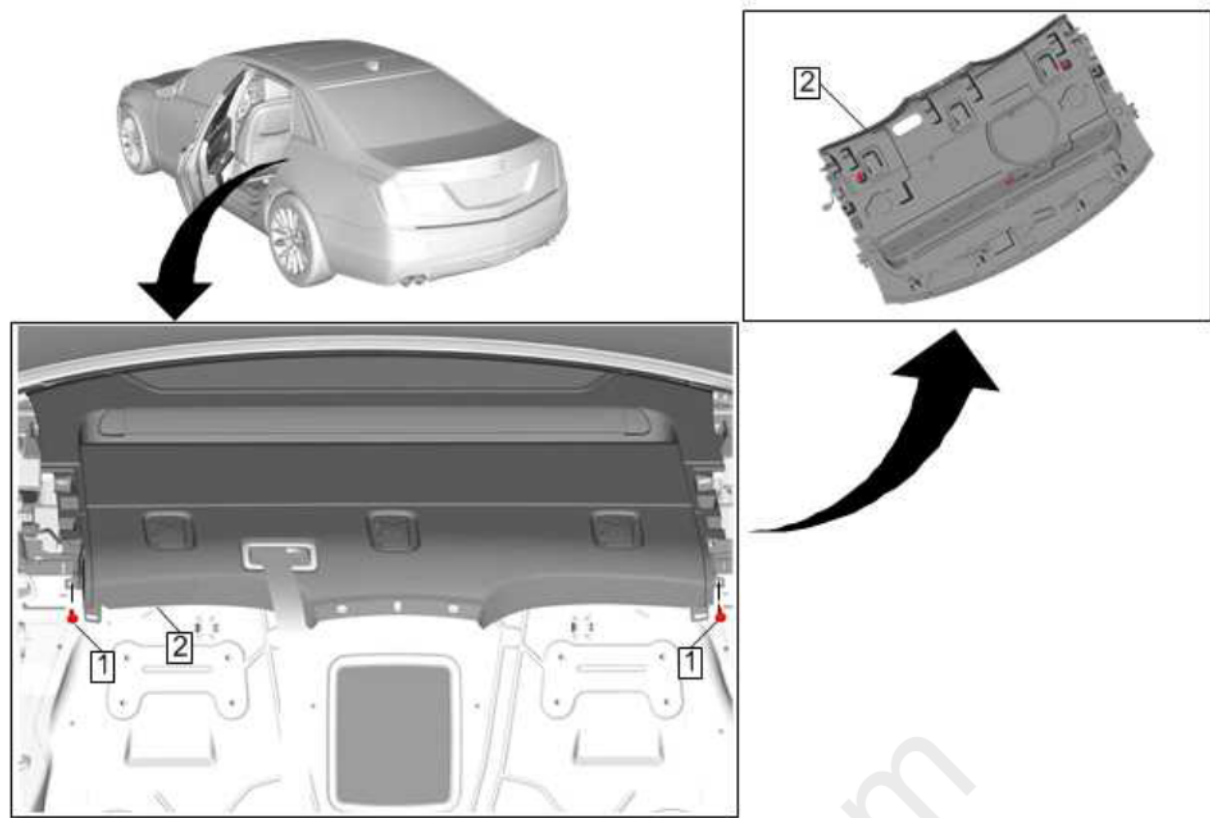


Fig. 25: Rear Window Panel Trim

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures <u>Rear Seat Belt Guide Trim Cover Replacement (Platinum)</u> <u>Rear Seat Back Center Panel Replacement</u> <u>Auxiliary Air Conditioning Air Outlet Replacement (Left) Auxiliary Air Conditioning Air Outlet Replacement (Right)</u>	
1	Rear Window Panel Trim Retainer [2x] Procedure Use a flat bladed plastic trim tool.
2	Rear Window Panel Trim Procedure - Loosen the 3 integral nuts in the panel rear window sheet metal and slide rear window panel trim forward slightly to clear keyhole slots. - Disconnect the electrical connector. - Lift up on the rear window panel to release the retainers under the forward portion of the panel. - With the aid of an assistant, guide the rear window panel forward in the vehicle and upwards to clear the speaker system. - When replacing the rear window panel trim assembly, transfer all necessary components.

REAR END TRIM FINISH PANEL REPLACEMENT

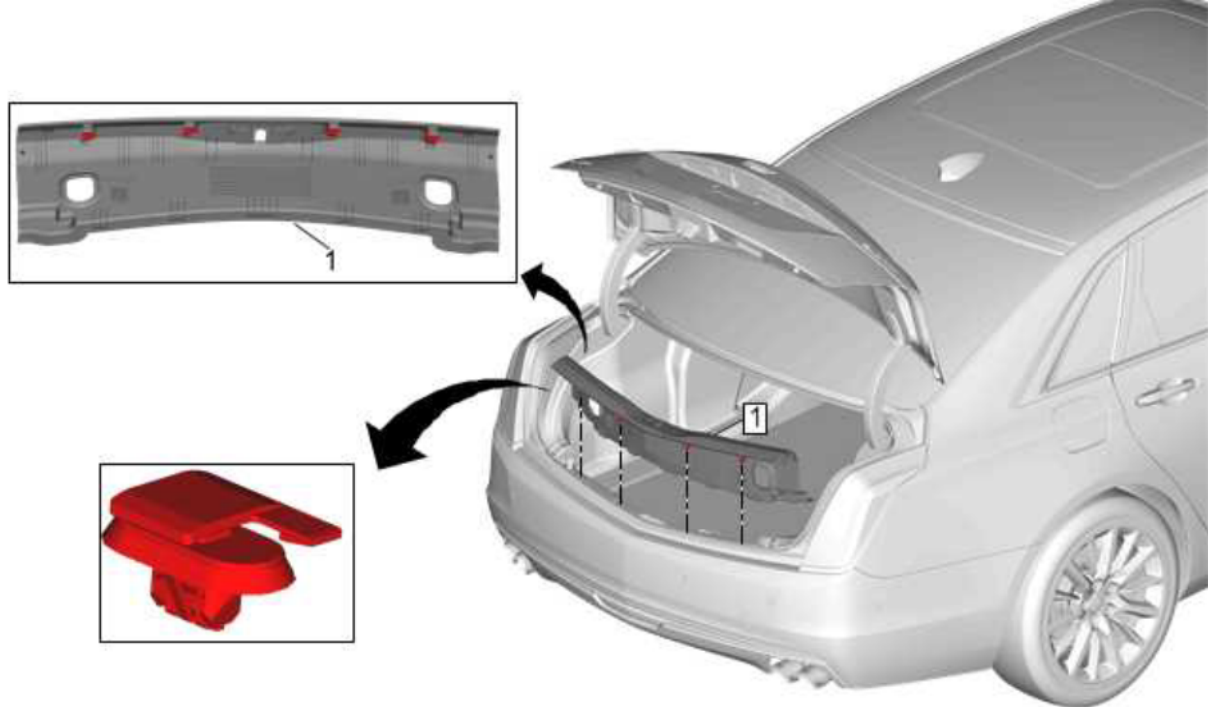


Fig. 26: Rear End Trim Finish Panel
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures	
1. <u>Rear Compartment Floor Panel Trim Replacement (Without HP9)</u> <u>Rear Compartment Floor Panel Trim Replacement (With HP9)</u> 2. <u>Cargo Tie Down Loop Replacement</u>	
1	Rear End Trim Finish Panel Procedure Grasp and gently pull up on the rear end trim finish panel in order to release the integral retaining clips.

REAR COMPARTMENT FLOOR STOWAGE COMPARTMENT COVER REPLACEMENT (WITHOUT HP9)

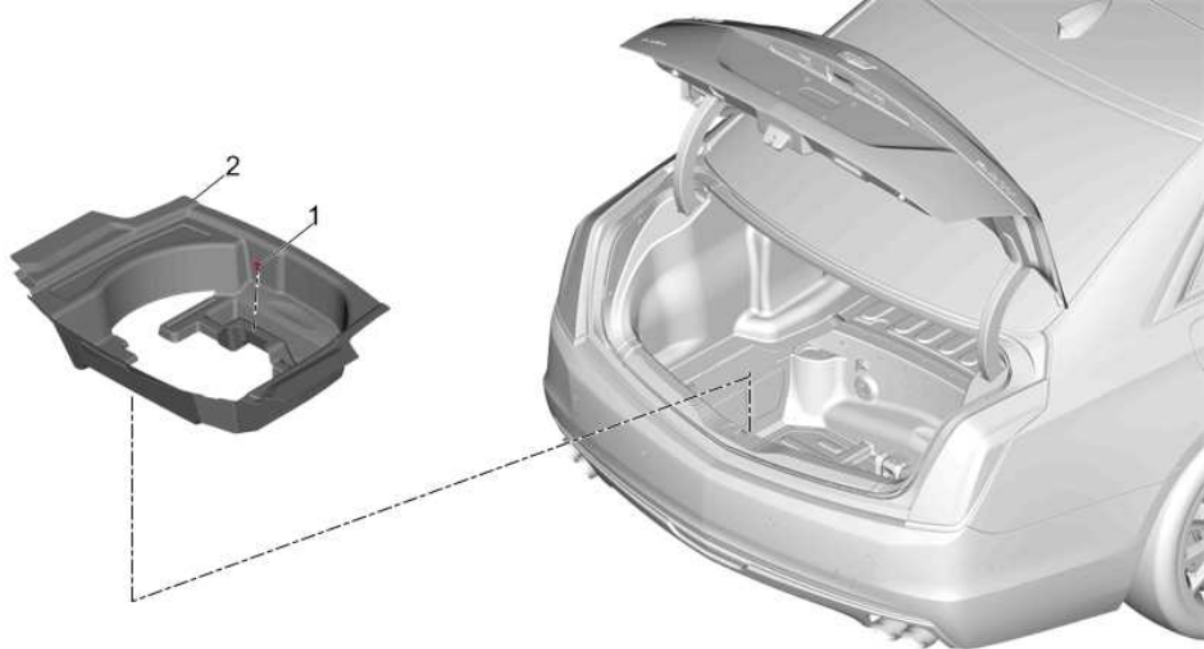


Fig. 27: Rear Compartment Floor Stowage Compartment Cover
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures <u>Rear Compartment Floor Panel Trim Replacement (Without HP9)</u> - Remove spare tire.	
1	Load Floor Stowage Compartment Cover Retainer Procedure Use a flat bladed plastic trim tool.
2	Rear Compartment Floor Stowage Compartment Cover Procedure Reposition the rear compartment floor stowage compartment cover from under the rear end trim finish panel. Untuck and tuck back in when reinstalling.

REAR COMPARTMENT FLOOR STOWAGE COMPARTMENT TRAY REPLACEMENT (WITH HP9)

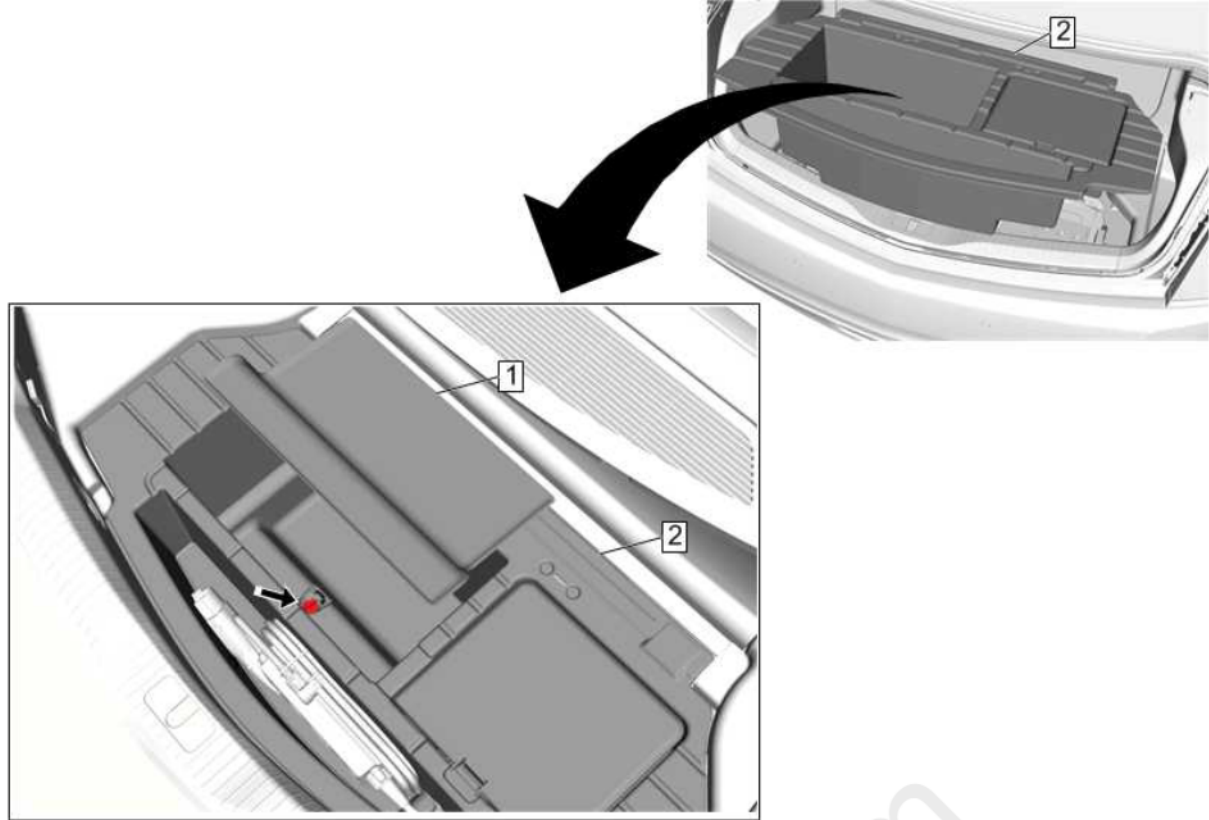


Fig. 28: Rear Compartment Floor Stowage Compartment Tray (With HP9)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures <u>Rear Compartment Floor Panel Trim Replacement (With HP9)</u> - Remove the drive motor battery charger cable.	
1	Cargo Container Mat Procedure - Remove or reposition rubber mat. - Rotate integral rotary lock knob clockwise to disengage.
2	Rear Compartment Floor Stowage Compartment Tray

DRIVE MOTOR BATTERY COVER REPLACEMENT (WITH HP9)

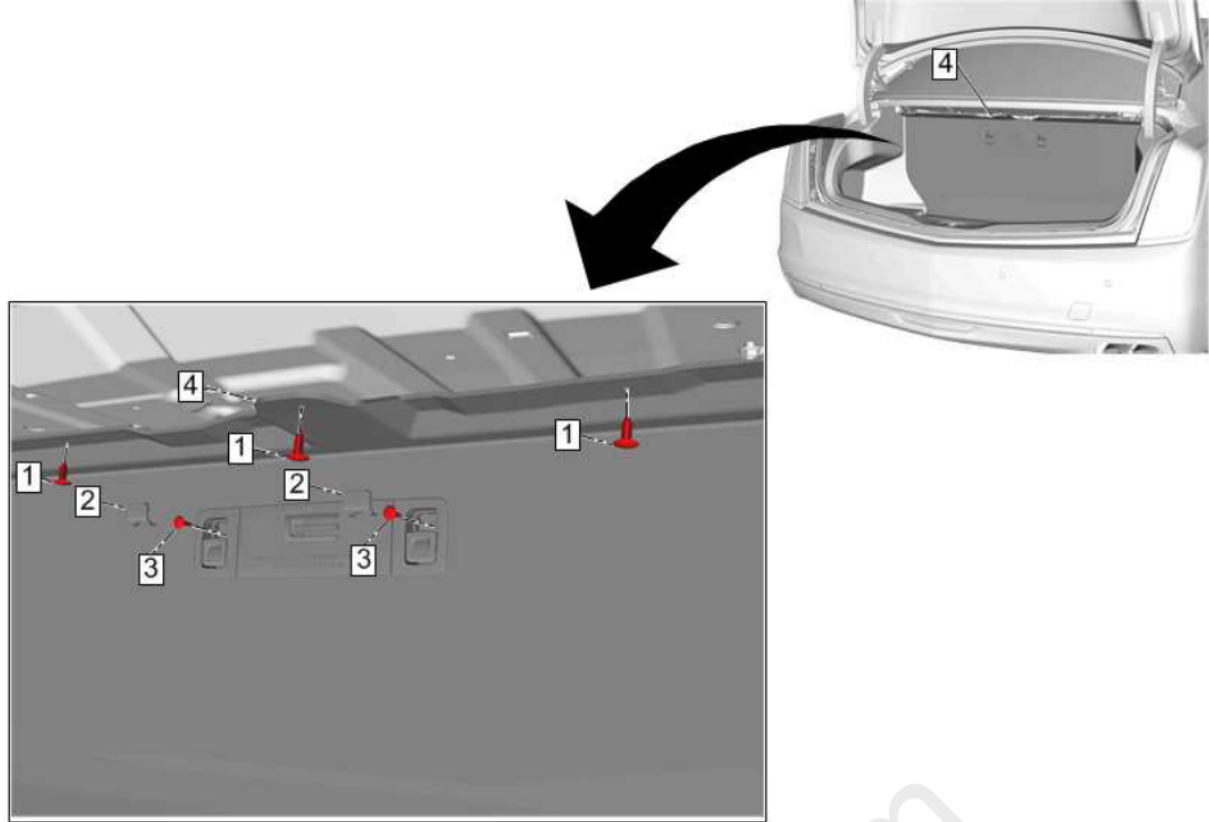


Fig. 29: Drive Motor Battery Cover (With HP9)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure	
<u>Rear Compartment Floor Panel Trim Replacement (With HP9)</u>	
1	Drive Motor Battery Cover Retainer [3x] Procedure Use a flat bladed plastic trim tool.
2	Drive Motor Battery Impact Absorber Fastener Cover [2x] Procedure Use a flat bladed plastic trim tool.
3	Drive Motor Battery Impact Absorber Fastener [2x] CAUTION: Refer to <u>Fastener Caution</u> . Tighten 2.5 N.m (22 lb in)
4	Drive Motor Battery Cover

REAR COMPARTMENT FLOOR PANEL TRIM REPLACEMENT (WITHOUT HP9)

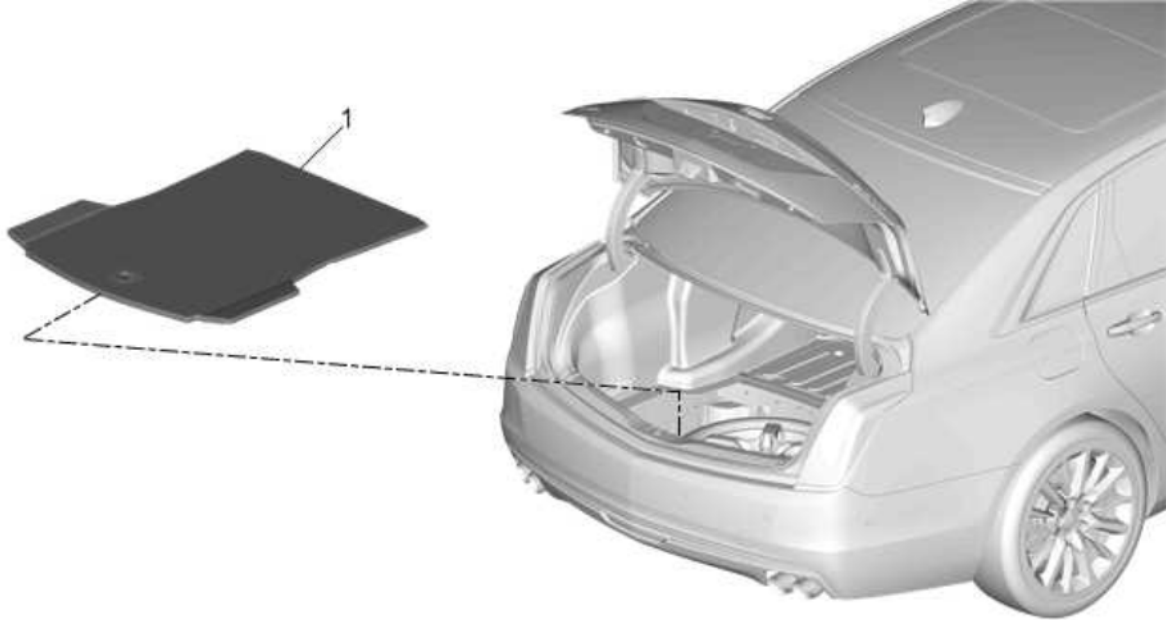


Fig. 30: Rear Compartment Floor Panel Trim (Without HP9)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Rear Compartment Floor Panel Trim

REAR COMPARTMENT FLOOR PANEL TRIM REPLACEMENT (WITH HP9)

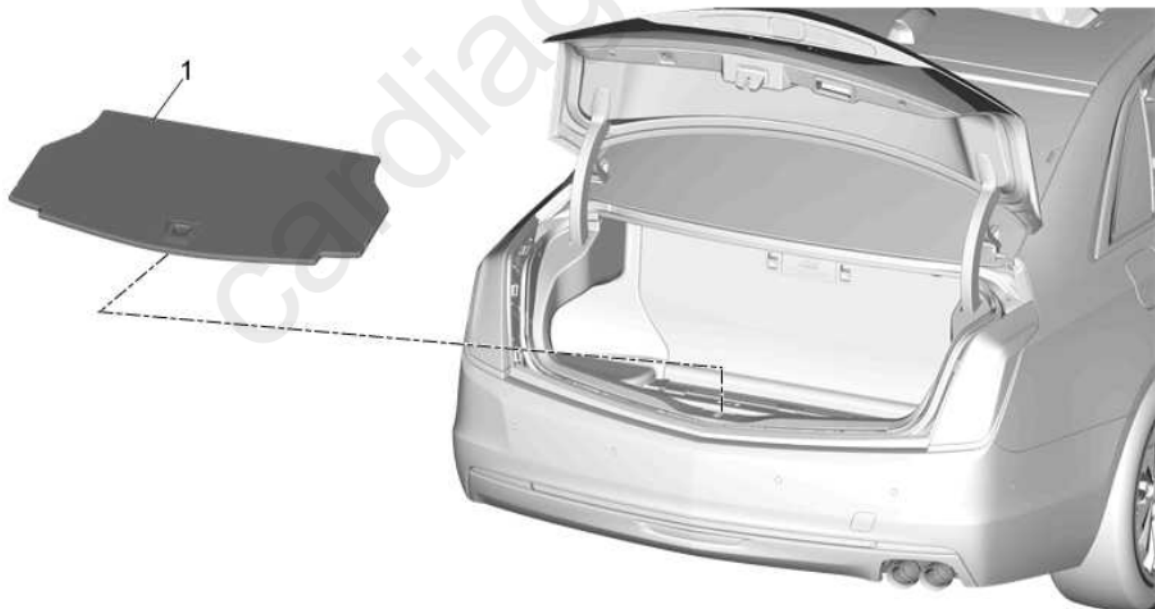


Fig. 31: Rear Compartment Floor Panel Trim (With HP9)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Rear Compartment Floor Panel Trim

REAR SIDE DOOR TRIM REPLACEMENT

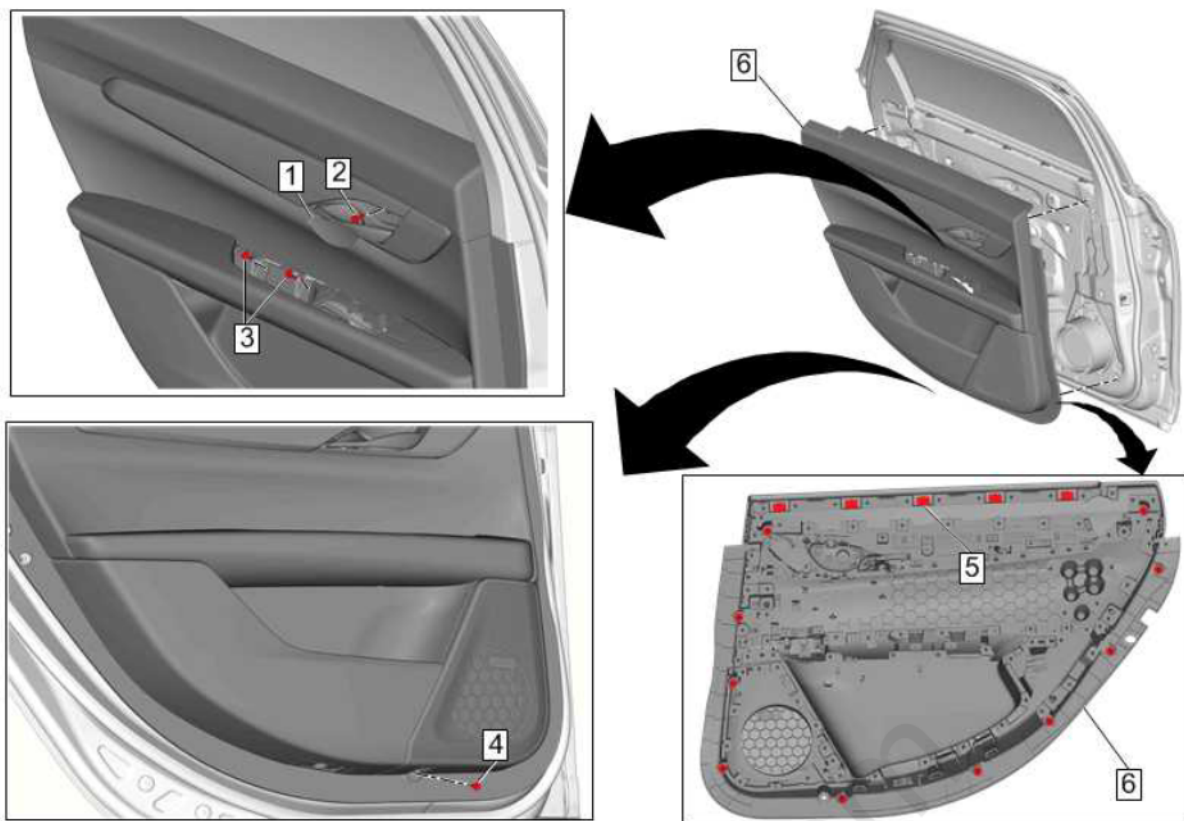


Fig. 32: Rear Side Door Trim

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure	
<u>Rear Side Door Armrest Switch Mount Plate Replacement</u>	
1	Rear Side Door Inside Handle Bolt Cap NOTE: Use a suitable tool, place the tool between the notch located at the top of the door handle cap and the door handle. Turn the suitable tool clockwise releasing the door handle cap, exposing the handle fastener.
2	Rear Side Door Inside Handle Fastener CAUTION: Refer to <u>Fastener Caution</u> . Tighten 2.5 N.m (22 lb in)
3	Rear Side Door Armrest Bracket Fastener [2x] Tighten 2.5 N.m (22 lb in)
4	Rear Side Door Trim Panel Fastener Tighten 2.5 N.m (22 lb in)
5	Rear Side Door Trim Belt Line Clip [5x] NOTE: Make sure the belt line clips are replaced with new clips before re-attaching the door trim, even if they weren't damaged.

Callout	Component Name
6	Rear Side Door Trim Procedure 1. Using the appropriate plastic trim tool loosen the retainers along the bottom of the door trim panel. 2. When the panel is sufficiently loosened, place inner hand behind panel and pull towards you to disengage integral retainers and clips. 3. While lifting out at the bottom, tilt the inner corner of panel down and with a short hard tap disengage clip from trim, leaving clip in metal. 4. Using appropriate tool, remove clip from sheet metal. 5. Disconnect the door lock retainer cable from the door trim panel and the inside handle. 6. Disconnect the electrical connector. 7. Place the door trim panel on a clean flat surface.

REAR SIDE DOOR WINDOW INSIDE SUNSHADE REPLACEMENT

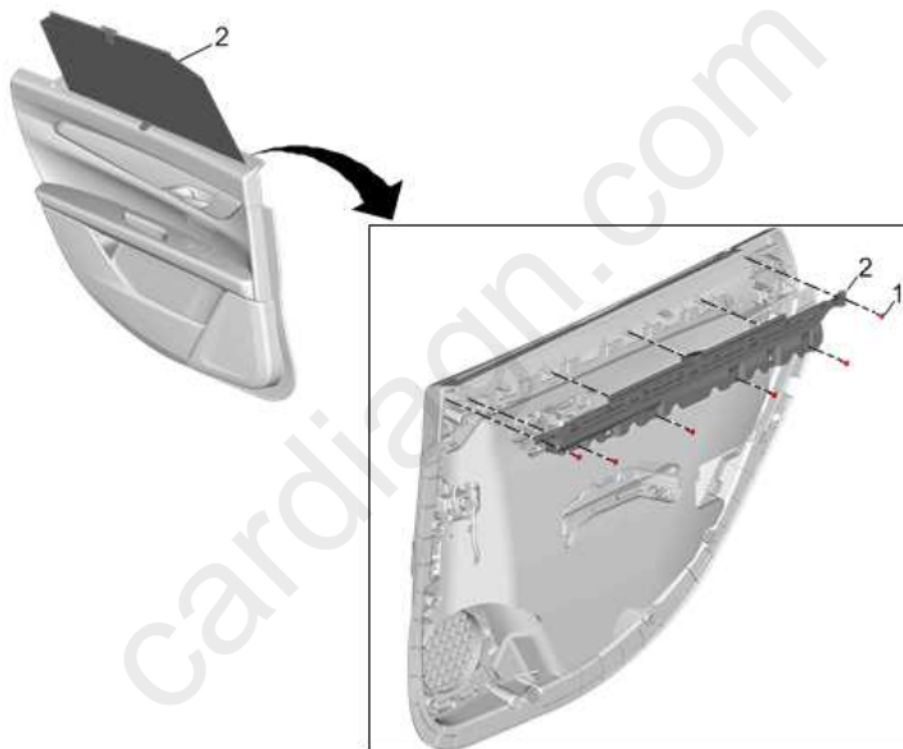


Fig. 33: Rear Side Door Window Inside Sunshade
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure 1. <u>Rear Side Door Trim Replacement</u> 2. Reposition insulator, as required.	

Callout	Component Name
1	Rear Side Door Window Inside Sunshade Fastener [6x] CAUTION: Refer to Fastener Caution . NOTE: The six screws are located on the backside of the trim panel. Tighten 2.5 N.m (22 lb in)
2	Rear Side Door Window Inside Sunshade Procedure Use an appropriate trim tool to release the integral tabs all along the edge of the sunshade bezel which retain the upper rear side door window inside sunshade to the door trim panel. NOTE: Use care when releasing the hook feature at the top portion of the sunshade.

REAR WINDOW INSIDE SUNSHADE REPLACEMENT

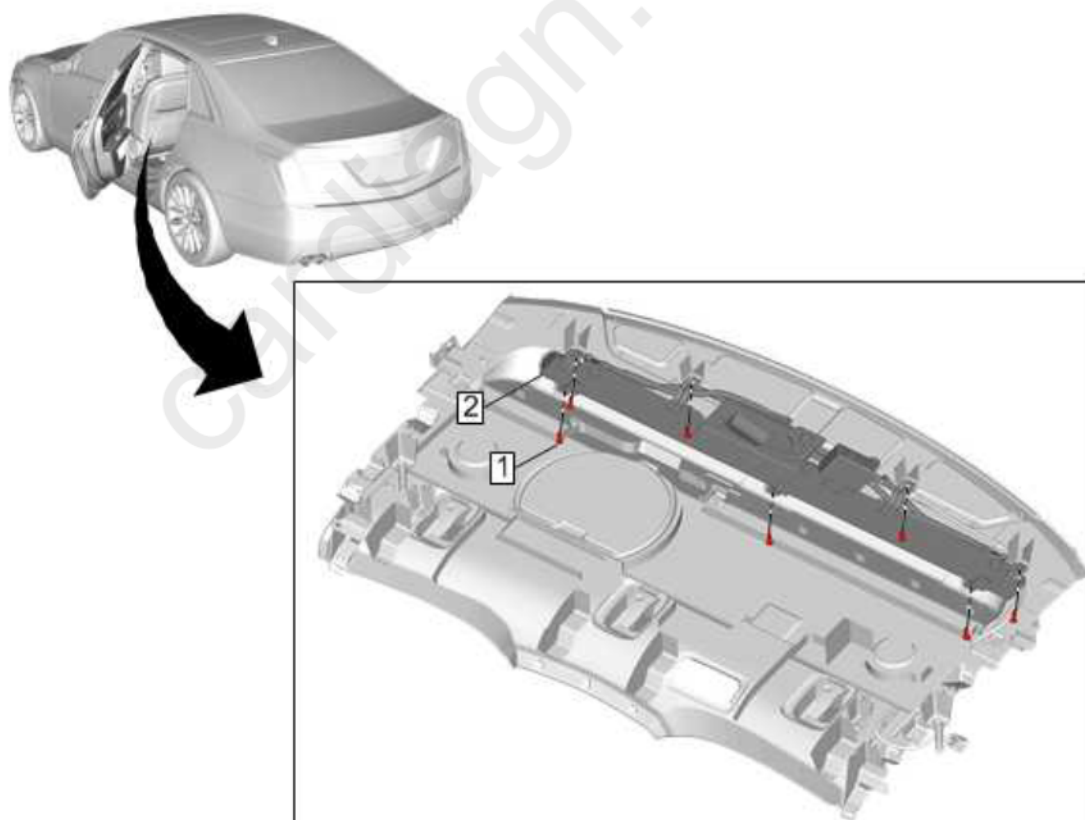


Fig. 34: Rear Window Inside Sunshade

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Rear Window Panel Trim Replacement	

Callout	Component Name
1	Rear Window Inside Sunshade Fastener [7x] CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
2	Rear Window Inside Sunshade Assembly Procedure 1. Disconnect the electrical connector. 2. Manually extend the shade and slide the shade over to one side while tipping the opposite side down. 3. Remove carefully through the opening in the rear window panel trim.

REAR COMPARTMENT LID INNER PANEL TRIM REPLACEMENT

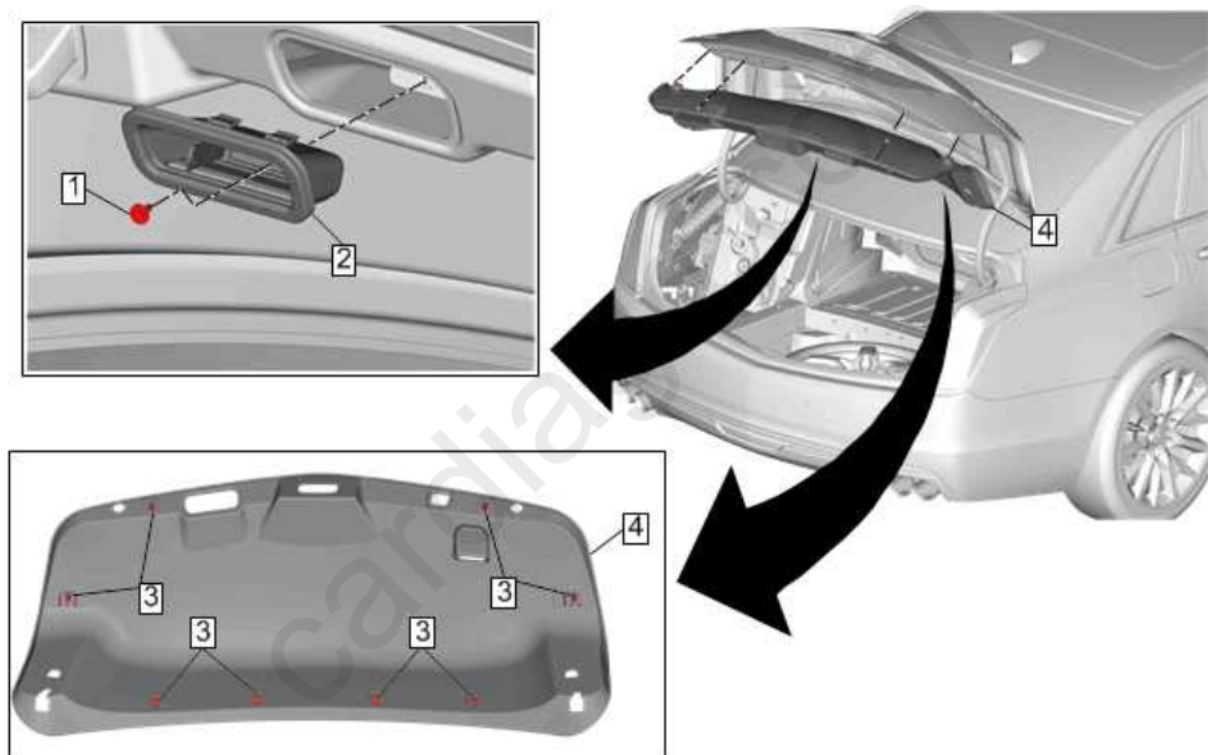


Fig. 35: Rear Compartment Lid Inner Panel Trim
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure 1. Rear Compartment Lid Latch Cover Replacement 2. Rear Compartment Lid Hinge Cover Replacement (Left Hand) Rear Compartment Lid Hinge Cover Replacement (Right Hand) 3. Liftgate Close Switch Replacement	

Callout	Component Name
1	Rear Compartment Lid Inside Handle Fastener CAUTION: Refer to Fastener Caution . Procedure Use a small flat bladed tool to open the integral handle cover and access fastener. Tighten 2.5 N.m (22 lb in)
2	Rear Compartment Lid Inside Handle
3	Rear Compartment Lid Inner Panel Trim Retainer [8x] NOTE: Retainers are integral to backside of rear compartment lid inner panel trim.
4	Rear Compartment Lid Inner Panel Trim Procedure Use a flat bladed plastic trim tool. NOTE: Ensure the auxiliary rear compartment latch release handle is routed through the rear compartment lid inner panel trim.

REAR COMPARTMENT LID LATCH COVER REPLACEMENT

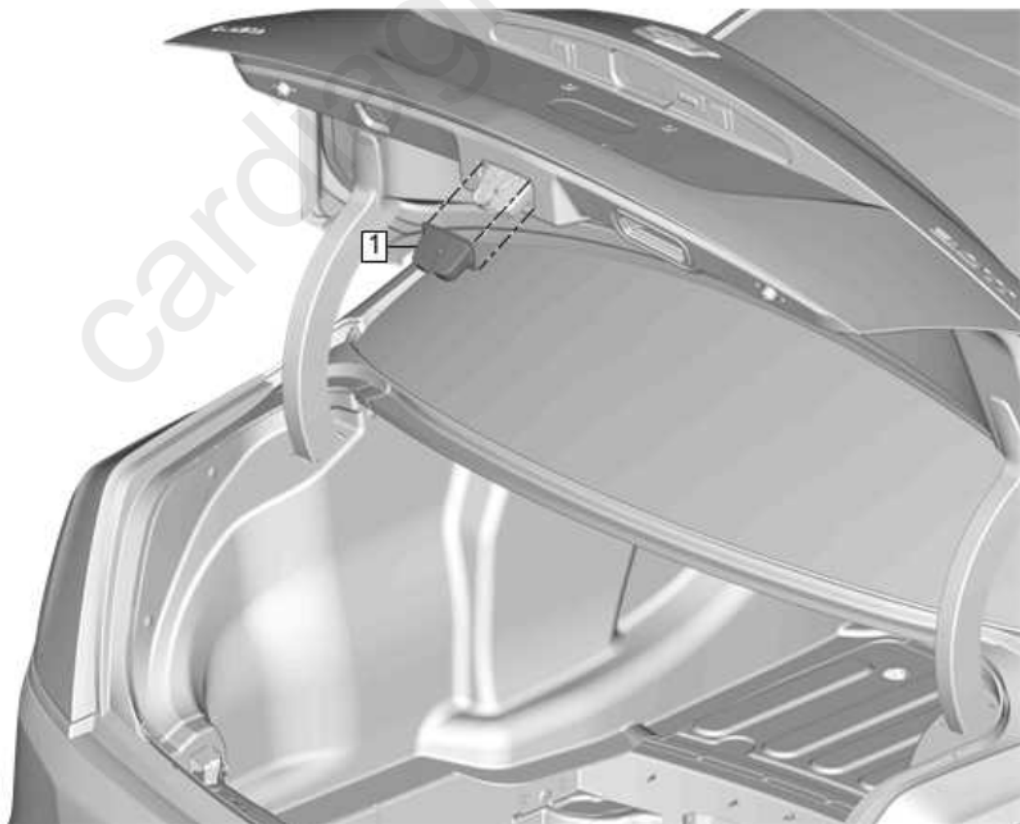


Fig. 36: Rear Compartment Lid Latch Cover
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Rear Compartment Lid Latch Cover Procedure Use a small flat-bladed tool to pull and release the rear compartment latch cover.

REAR COMPARTMENT SIDE TRIM REPLACEMENT - LEFT SIDE (WITHOUT HP9)

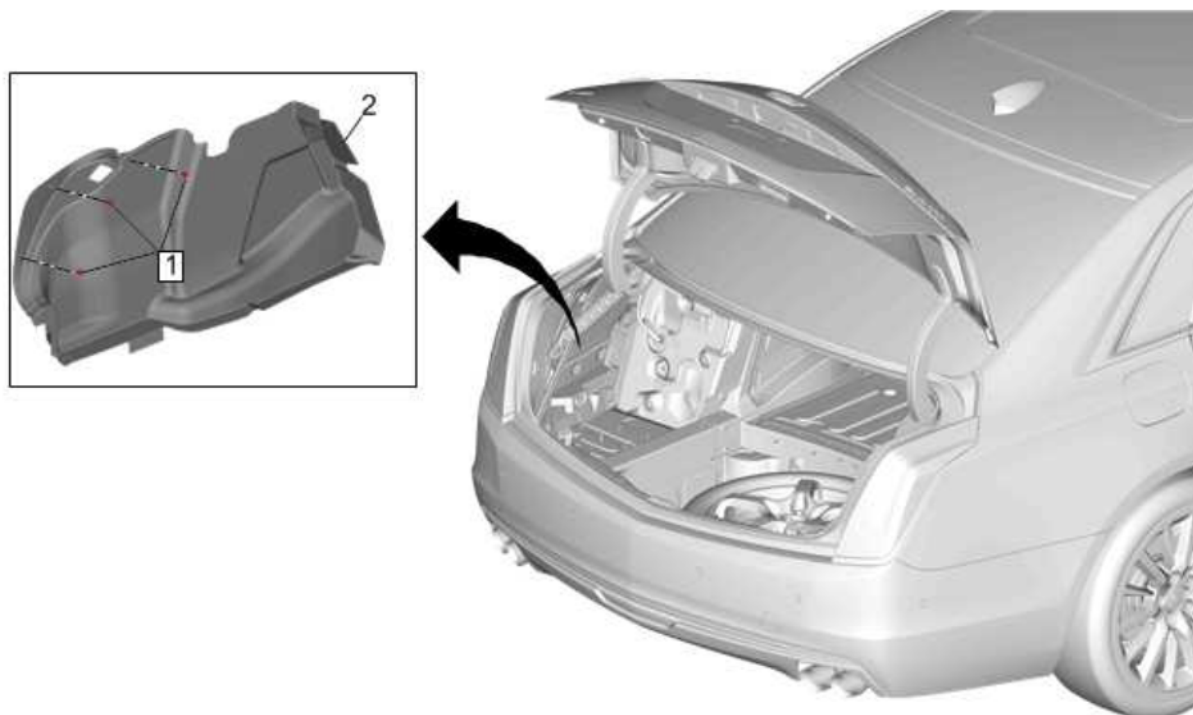


Fig. 37: Rear Compartment Side Trim - Left Side (Without HP9)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. <u>Rear Compartment Floor Panel Trim Replacement (Without HP9)</u> 2. <u>Rear End Trim Finish Panel Replacement</u> 3. <u>Rear Compartment Front Trim Replacement (Without HP9)</u>	
1	Rear Compartment Side Trim Retainer [3x] Procedure Use a flat bladed plastic trim tool.
2	Rear Compartment Side Trim Procedure Disconnect electrical connections, if applicable. NOTE: Carefully manipulate the deck lid hinge opening of the side trim past the hinge cover.

REAR COMPARTMENT SIDE TRIM REPLACEMENT - LEFT SIDE (WITH HP9)

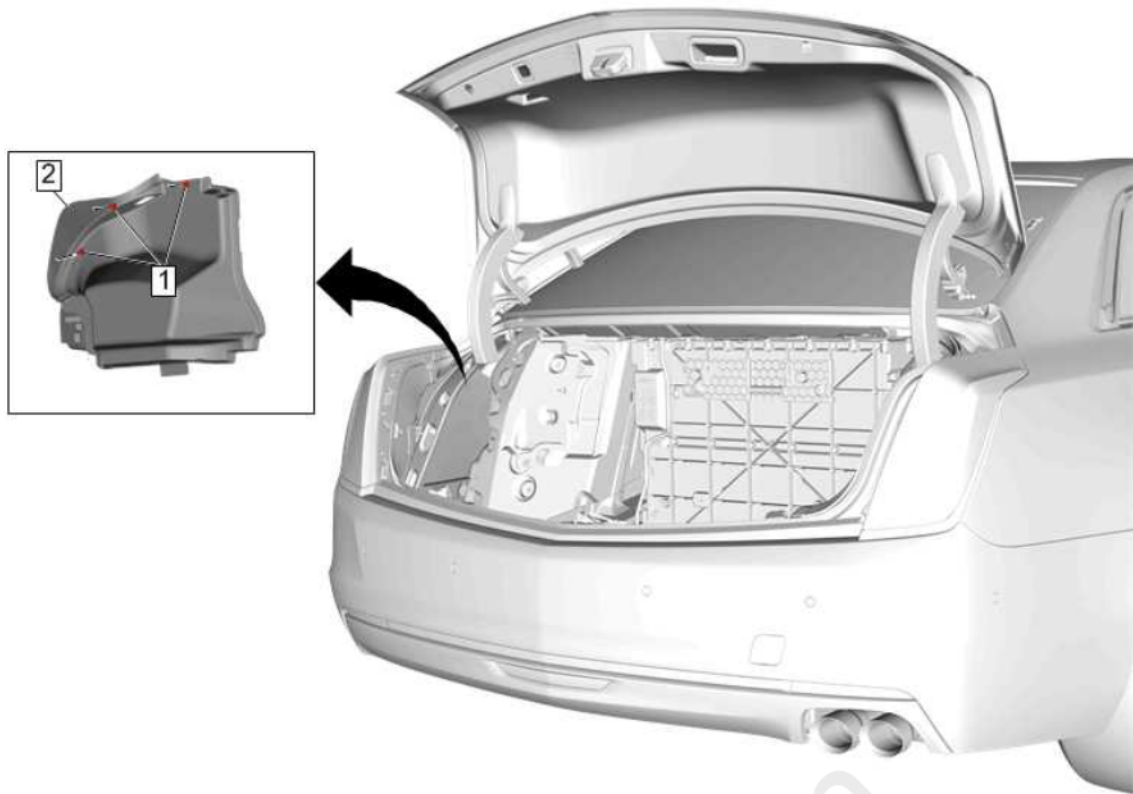


Fig. 38: Rear Compartment Side Trim - Left Side (With HP9)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures <u>Rear End Trim Finish Panel Replacement</u> <u>Rear Compartment Floor Stowage Compartment Tray Replacement (With HP9)</u> <u>Drive Motor Battery Cover Replacement (With HP9)</u>	
1	Rear Compartment Side Trim Retainer [3x] Procedure Use a flat bladed plastic trim tool.
2	Rear Compartment Side Trim - Left Side Procedure Disconnect electrical connections, if applicable. NOTE: Carefully manipulate the deck lid hinge opening of the side trim past the hinge cover.

REAR COMPARTMENT SIDE TRIM REPLACEMENT - RIGHT SIDE (WITHOUT HP9)



Fig. 39: Rear Compartment Side Trim - Right Side (Without HP9)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Rear Compartment Floor Panel Trim Replacement (Without HP9) 2. Rear End Trim Finish Panel Replacement 3. Rear Compartment Front Trim Replacement (Without HP9)	
1	Rear Compartment Side Trim Retainer [3x] Procedure Use a flat bladed plastic trim tool.
2	Rear Compartment Side Trim Procedure Disconnect electrical connections, if applicable. NOTE: Carefully manipulate the deck lid hinge opening of the side trim past the hinge cover.

REAR COMPARTMENT SIDE TRIM REPLACEMENT - RIGHT SIDE (WITH HP9)

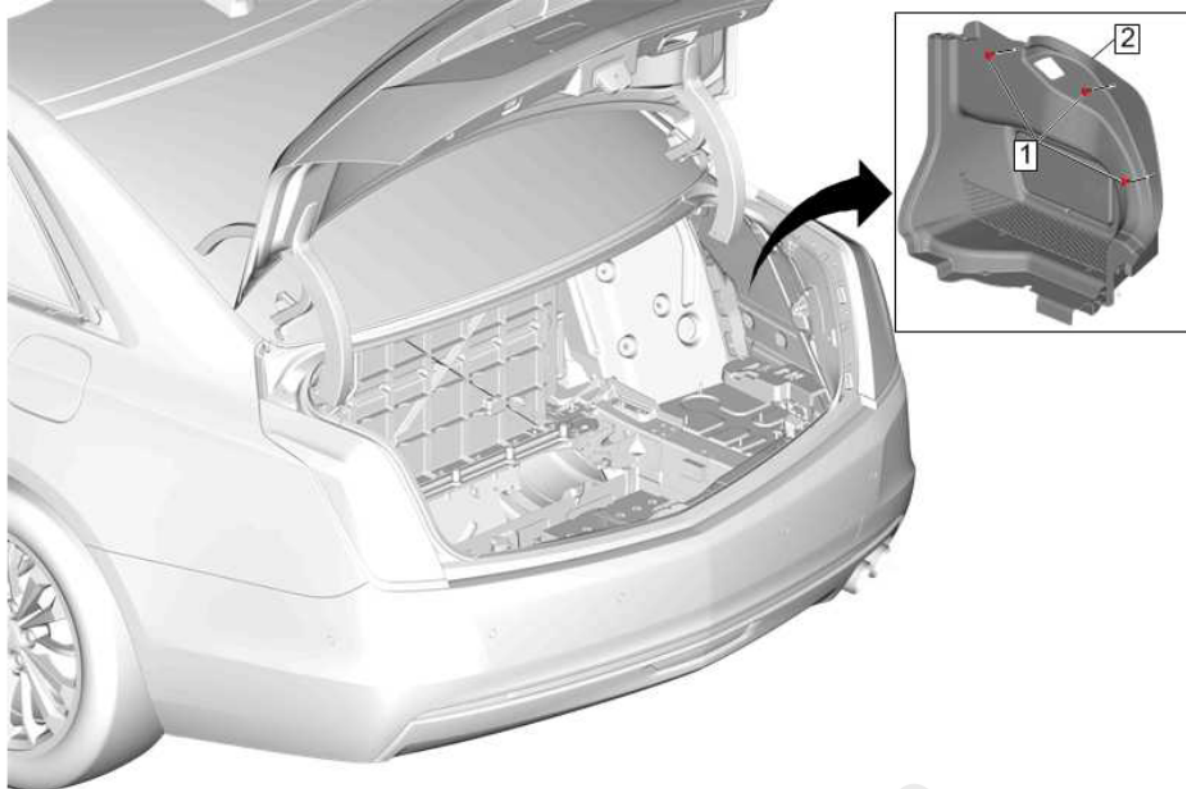


Fig. 40: Rear Compartment Side Trim - Right Side (With HP9)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures <u>Rear End Trim Finish Panel Replacement</u> <u>Rear Compartment Floor Stowage Compartment Tray Replacement (With HP9)</u> <u>Drive Motor Battery Cover Replacement (With HP9)</u>	
1	Rear Compartment Side Trim Retainer [3x] Procedure Use a flat bladed plastic trim tool.
2	Rear Compartment Side Trim - Right Side Procedure Disconnect electrical connections, if applicable. NOTE: Carefully manipulate the deck lid hinge opening of the side trim past the hinge cover.

CARGO TIE DOWN LOOP REPLACEMENT

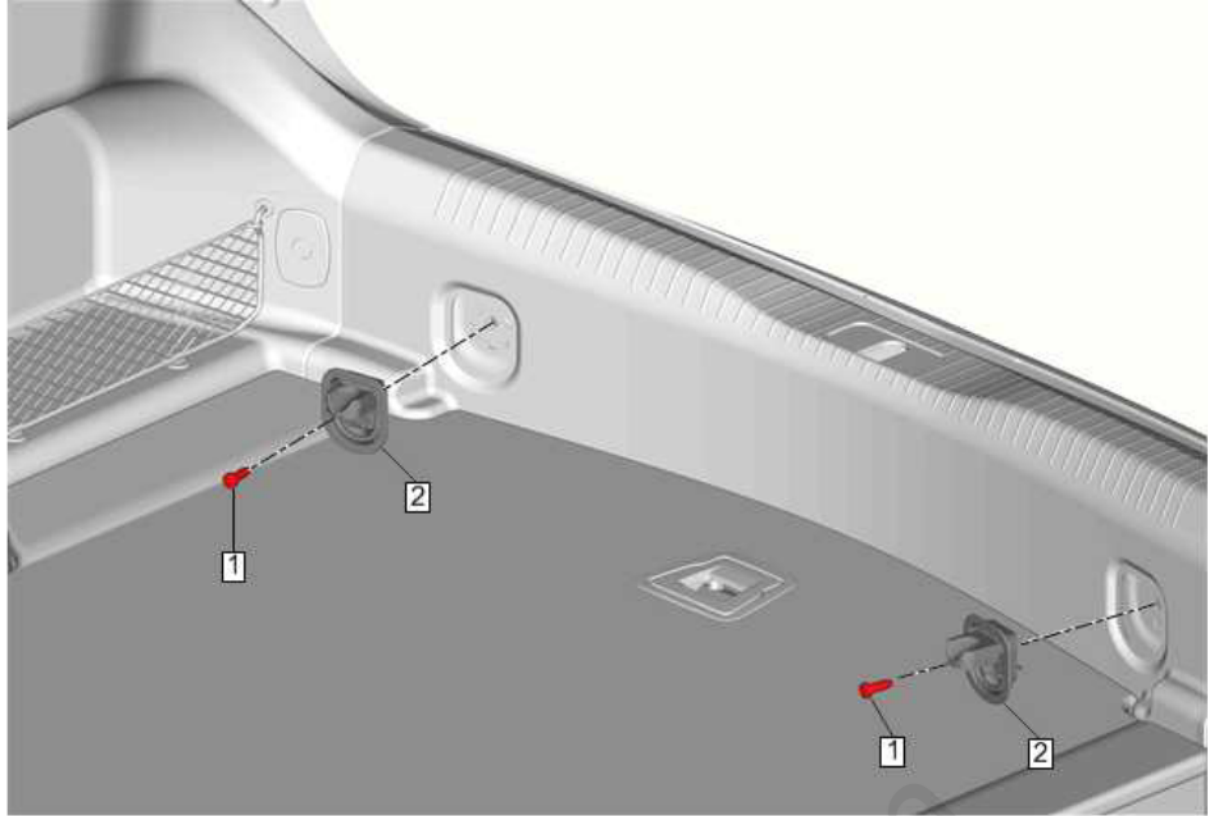


Fig. 41: Cargo Tie Down Loop

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Cargo Tie Down Loop Fastener [2x] CAUTION: Refer to Fastener Caution . Procedure Use a small flat-bladed tool to open cargo tie down loop bolt cap to gain access to cargo tie down loop fastener. Tighten 20 N.m (15 lb ft)
2	Cargo Tie Down Loop Assembly [2x]

REAR COMPARTMENT FRONT TRIM REPLACEMENT (WITHOUT HP9)

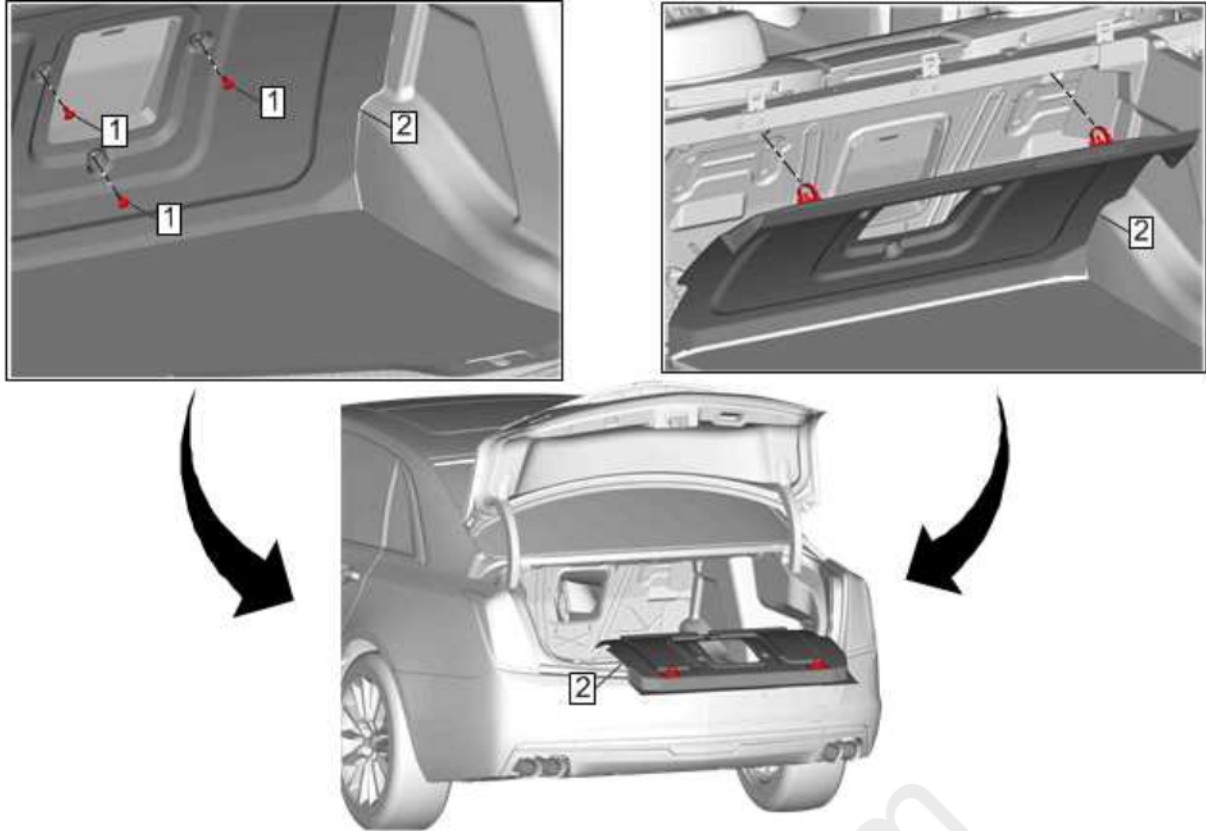


Fig. 42: Rear Compartment Front Trim (Without HP9)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Rear Compartment Front Trim Retainer [3x] Procedure Use a flat bladed plastic trim tool.
2	Rear Compartment Front Trim

LIFTGATE LOCK ACTUATOR BUTTON BEZEL REPLACEMENT

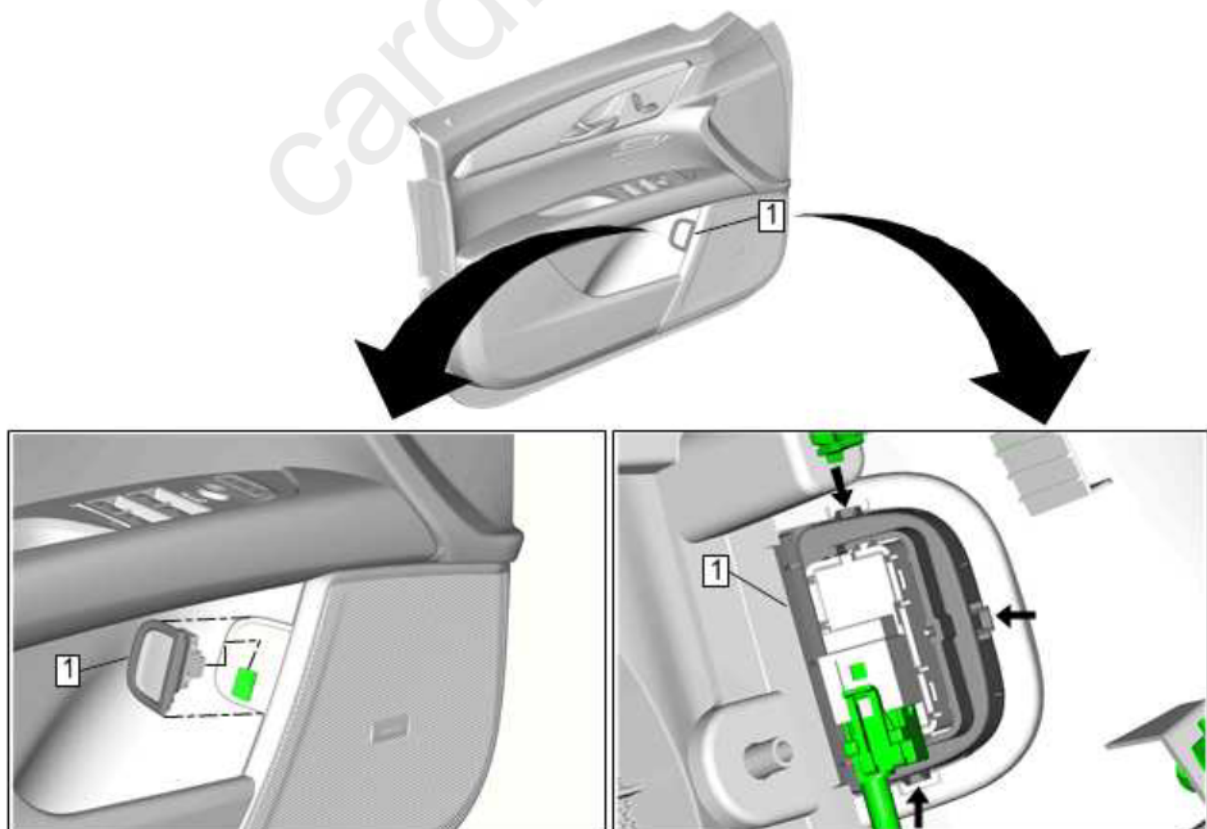


Fig. 43: Liftgate Lock Actuator Button Bezel

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Front Side Door Trim Replacement	
1	Liftgate Lock Actuator Button Bezel Procedure 1. Release the switch assembly from the switch mount plate by depressing the tabs along each side of the switch. 2. Control Module References for programming and setup information, if required. 3. Transfer components as necessary.

BODY LOCK PILLAR GARNISH MOLDING REPLACEMENT



Fig. 44: Body Lock Pillar Garnish Molding
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Body Lock Pillar Garnish Molding Procedure 1. Work your way forward disengaging all of the garnish molding clips then pull rearward to disengage. 2. Disconnect electrical connections, if applicable.

BODY SIDE REAR WINDOW GARNISH MOLDING REPLACEMENT

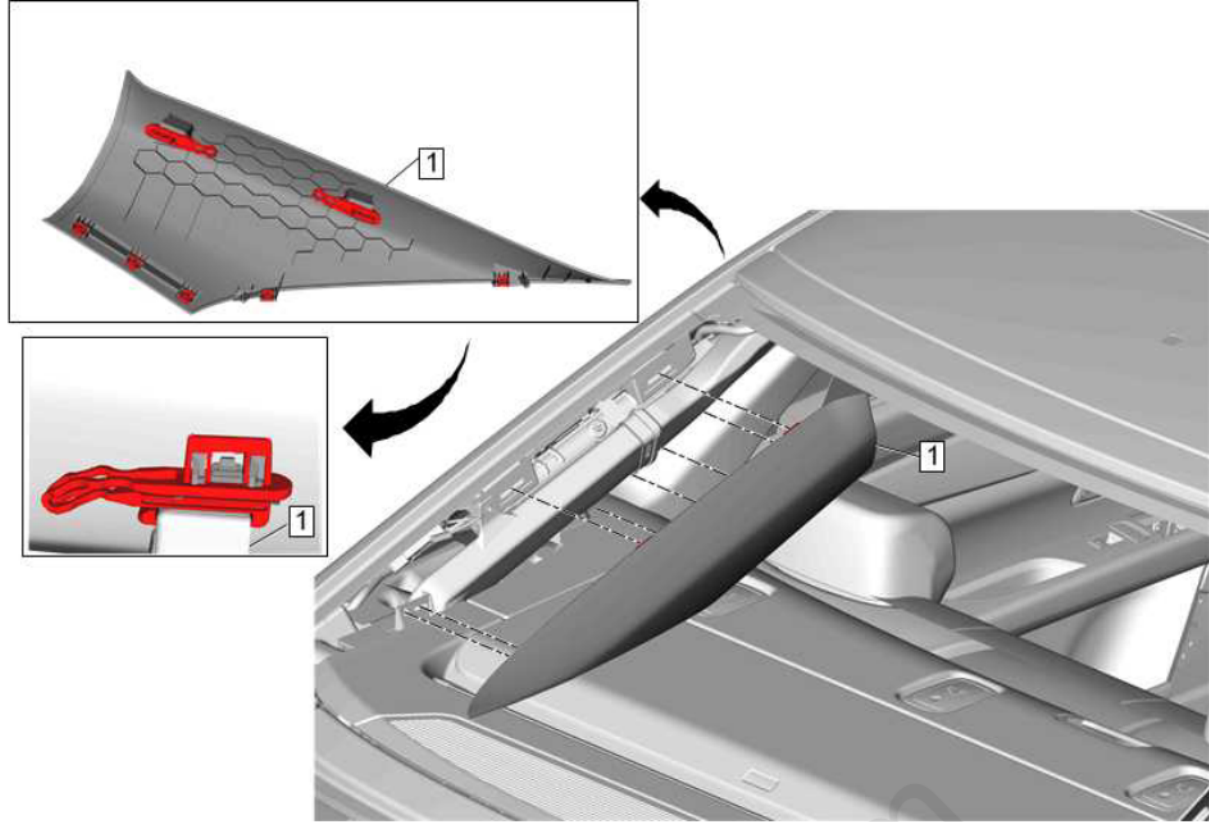


Fig. 45: Body Side Rear Window Garnish Molding
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAUTION: If a vehicle is equipped with a head curtain inflator module ensure that the inflator module and tether are undamaged. If tether or curtain airbag are damaged in any way, they must be replaced. CAUTION: Use care when working around the head curtain inflator module. Sharp tools may puncture the curtain airbag. If the head curtain inflator module is damaged in any way, it must be replaced. CAUTION: Whenever the body side rear window garnish molding clips are removed or replaced, the retaining clips and tether must be replaced with a new one-piece service retainer clip. Failure to replace the retaining clips and tether may cause the body side rear window garnish molding to not fit or function as designed. Do not reuse the old clips, they are a one-time only use design. Do not separate the two halves of the service retainer clip. Preliminary Procedure Disable the SIR system. Refer to SIR Disabling and Enabling	

Callout	Component Name
1	Body Side Rear Window Garnish Molding Procedure 1. Pull outward to release the upper portion of the molding, then move forward and upward to release the tabs which hook into rear window panel trim. 2. Remove the tether metal retainer from the body side by sliding a small flat-bladed tool on the outboard side to disengage the center tether retainer while sliding another small flat-bladed tool on the opposite side of the retainer to depress the outer tabs, maintain pressure on the tabs. 3. Rotate the tether metal retainer out parallel to the quarter trim upper bracket. 4. The tether clips at the upper portion of the body side rear window garnish molding MUST be replaced every time the body side rear window garnish molding is removed. 5. Enable the SIR System. Refer to SIR Disabling and Enabling

BODY AIR OUTLET DEFLECTOR REPLACEMENT



Fig. 46: Body Air Outlet Deflector

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Rear Bumper Fascia Replacement	
1	Body Air Outlet Deflector [2x] Procedure 1. Use a flat-bladed tool to release the locking tabs on the body air outlet deflector at the two upper and two lower locations. 2. Press the body air outlet deflector into the quarter panel until the locking tabs lock in place at both the upper and lower locations.

DESCRIPTION AND OPERATION

Rear Window Sunshade System Components

The rear window power sunshade system consists of the following components:

- Rear window sunshade module
- Left rear door sunshade switch
- Right rear door sunshade switch
- Overhead console multifunction switch
- Rear window sunshade motor
- Body control module

Rear Window Sunshade Operation

The rear window power sunshade is controlled by the sunshade module. In order for the sunshade to function, the module must receive an input from the sunshade switch that is located in the roof console or from either the left rear or right rear door sunshade switches. Only express movements are available. The sunshade switches are a momentary design type of switch and has two positions available to the operator:

- Normal off position
- Momentary sunshade activate position.

The sunshade will only operate when the ignition is in the Run or Accessory modes and when the transmission selector is in any position except R (reverse). When the system is powered up, the sunshade functions in 5 different modes.

- Standby Mode
- Express Extend
- Express Retract
- Express Reverse
- Reverse Override

Standby Mode

The sunshade is in a standby mode whenever the module is powered up and no inputs are being received from the sunshade switches.

Express Extend

When the sunshade is down or retracted and the transmission selector is in any position but R (reverse) and a sunshade switch is pressed, the module will activate the rear window sunshade motor to move the sunshade to the fully extended position. If the transmission selector is in R (reverse) the express extend function will be disabled.

Express Retract

When the sunshade is up or, extended and a sunshade switch is pressed, the module will activate the rear window sunshade motor to move the sunshade to the fully retracted position.

When the sunshade is up or extended and the transmission selector is shifted into R (reverse), the module will activate the rear sunshade motor to move the sunshade to the fully retracted position

Reverse Override

When the sunshade is up or extended and the transmission selector is put into Reverse the sunshade will automatically retract. Sunshade switch input cannot over-ride shade position while vehicle is reverse.

Circuit Description

The rear window sunshade control module contains the logic for extending or retracting the sunshade based on inputs received from the sunshade switches. The control switches are a momentary type, one is located in the overhead console, the others are located on the left rear and right rear door arm rests. The module activates the sunshade motor based on the inputs received from any switch. When the ignition switch is in the ON position, voltage is applied to the rear window sunshade control module. The rear window sunshade control module controls the rear window sunshade motor direction by changing the polarity of the applied voltage. If the ignition switch is turned to the OFF position while the sunshade is moving, the module enters a "Standby" mode and the shade will complete its cycle. The module will remain in the "Standby" mode and the shade will remain in the position it was in when movement ceased, until the module receives another switch activation input. Movement will then resume, but in the opposite direction from the last activation.

The left rear and right rear door sunshade switches are dual function switches, pressing one side of the switch will command the rear window sunshade to extend or retract, pressing the other side of the switch will command the rear sunroof sunshade to extend or retract.

The rear window sunshade control module also monitors the voltage level in the backup lamp control circuit, if the module detects voltage in the backup lamp circuit while the sunshade is extended, it will command the sunshade motor to retract the sunshade to provide the operator with an unobstructed view through the rear window and will automatically extend when the voltage in the backup lamps drops to 0 volts.

The sunshade motor assembly contains the reversible direct current drive motor and the gear train used to move the shade material to the desired position. The motor also contains a positive temperature coefficient thermal circuit breaker to protect the system from an overload.
