

Hood Ajar Indicator Description and Operation

Hood Ajar Switch

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

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

Hood Ajar Indicator/Message

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

DTC B3006

[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 04	B3006 01	—
Ground	—	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

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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 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.

Diagnostic Aids

The hood ajar switch is serviced as part of the primary hood latch.

Reference Information

Schematic Reference

[Immobilizer Schematics](#)

Connector End View Reference

[Component Connector End Views](#)

Description and Operation

[Keyless Entry System Description and Operation](#)

Electrical Information Reference

- [Circuit Testing](#)
- [Connector Repairs](#)
- [Testing for Intermittent Conditions and Poor Connections](#)
- [Wiring Repairs](#)

Scan Tool Reference

[Control Module References](#) for scan tool information

[Circuit/System Verification](#)

1. Ignition ON.
2. Verify the scan tool Hood Ajar Switch parameter is Open when the hood is open and Closed when the hood is closed.
⇒ **If the parameter does not change**
Refer to Circuit/System Testing.
⇓ **If the parameter changes**
3. All OK.

[Circuit/System Testing](#)

1. Ignition OFF and all vehicle systems OFF, disconnect the harness connector at the B55 Hood Ajar Switch. It may take up to 2 min for all vehicle systems to power down.
2. Test for less than 10 Ω between the ground circuit terminal C and ground.
⇒ **If 10 Ω or greater**
 - 2.1. Ignition OFF
 - 2.2. 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 11.5 V between the signal circuit terminal B and ground.
⇒ **If 11.5 V or less**
 - 4.1. Ignition OFF, disconnect the harness connector at the K9 Body Control Module.

4.2. 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.

4.3. 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 11.5 V**

5. Ignition OFF, disconnect the X4 and X7 harness connector at the K9 Body Control Module, ignition ON.

6. Test for less than 1 V between the signal circuit terminal B and ground.

⇒ **If 1 V or greater**

Repair the short to voltage on the circuit.

↓ **If less than 1 V**

7. Test or replace the B55 Hood Ajar Switch.

Component Testing

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

2. Test for 2738–3350 Ω between the signal terminal A and the signal terminal B with the hood latch in the closed position.

⇒ **If not between 2738–3350 Ω**

Replace the B55 Hood Ajar Switch.

↓ **If between 2738–3350 Ω**

3. Test for 658–806 Ω between the signal terminal A and the ground terminal C with the hood latch in the closed position.

⇒ **If not between 658–806 Ω**

Replace the B55 Hood Ajar Switch.

↓ **If between 658–806 Ω**

4. Test for 2080–2545 Ω between the signal terminal B and the ground terminal C with the hood latch in the closed position.

⇒ **If not between 2080–2545 Ω**

Replace the B55 Hood Ajar Switch.

↓ **If between 2080–2545 Ω**

5. Test for 2738–3350 Ω between the signal terminal A and the signal terminal B with the hood latch in the open position.

⇒ **If not between 2738–3350 Ω**

Replace the B55 Hood Ajar Switch.

↓ **If between 2738–3350 Ω**

6. Test for 2080–2545 Ω between the signal terminal A and the ground terminal C with the hood latch in the open position.

⇒ **If not between 2080–2545 Ω**

Replace the B55 Hood Ajar Switch.

↓ **If between 2080–2545 Ω**

7. Test for 658–806 Ω between the signal terminal B and the ground terminal C with the hood latch in the open position.

⇒ **If not between 658–806 Ω**

Replace the B55 Hood Ajar Switch.

↓ **If between 658–806 Ω**

8. All OK.

Repair Instructions

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

[Control Module References](#) 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.

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

Visual/Physical Inspection

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

Intermittent

Faulty electrical connections or wiring may be the cause of intermittent conditions. Refer to [Testing for Intermittent Conditions and Poor Connections](#).

Symptom List

Refer to [Hood Ajar Indicator/Message Malfunction](#) in order to diagnose the symptom.

Hood Ajar Indicator/Message Malfunction

[Diagnostic Instructions](#)

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

[DTC Descriptors](#)

DTC B3006

Hood Ajar Circuit

For symptom byte information, refer to [Symptom Byte List](#).

[Diagnostic Fault Information](#)

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Ground	—	B3006 04	—	—

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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 will be disabled.

Conditions for Clearing the DTC

- A current DTC will clear when the conditions for setting the DTC are no longer present.
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Diagnostic Aids

The hood ajar switch is serviced as part of the primary hood latch.

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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**
 - 2.1. Ignition OFF
 - 2.2. 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 11.5 V between the signal circuit terminal B and ground.
⇒ **If 11.5 V or less**
 - 4.1. Ignition OFF, disconnect the harness connector at the K9 Body Control Module.

4.2. 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.

4.3. 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 11.5 V**

5. Ignition OFF, disconnect the X4 and X7 harness connector at the K9 Body Control Module, ignition ON.

6. Test for less than 1 V between the signal circuit terminal B and ground.

⇒ **If 1 V or greater**

Repair the short to voltage on the circuit.

↓ **If less than 1 V**

7. Test or replace the B55 Hood Ajar Switch.

Component Testing

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

2. Test for 2738–3350 Ω between the signal terminal A and the signal terminal B with the hood latch in the closed position.

⇒ **If not between 2738–3350 Ω**

Replace the B55 Hood Ajar Switch.

↓ **If between 2738–3350 Ω**

3. Test for 658–806 Ω between the signal terminal A and the ground terminal C with the hood latch in the closed position.

⇒ **If not between 658–806 Ω**

Replace the B55 Hood Ajar Switch.

↓ **If between 658–806 Ω**

4. Test for 2080–2545 Ω between the signal terminal B and the ground terminal C with the hood latch in the closed position.

⇒ **If not between 2080–2545 Ω**

Replace the B55 Hood Ajar Switch.

↓ **If between 2080–2545 Ω**

5. Test for 2738–3350 Ω between the signal terminal A and the signal terminal B with the hood latch in the open position.

⇒ **If not between 2738–3350 Ω**

Replace the B55 Hood Ajar Switch.

↓ **If between 2738–3350 Ω**

6. Test for 2080–2545 Ω between the signal terminal A and the ground terminal C with the hood latch in the open position.

⇒ **If not between 2080–2545 Ω**

Replace the B55 Hood Ajar Switch.

↓ **If between 2080–2545 Ω**

7. Test for 658–806 Ω between the signal terminal B and the ground terminal C with the hood latch in the open position.

⇒ **If not between 658–806 Ω**

Replace the B55 Hood Ajar Switch.

↓ **If between 658–806 Ω**

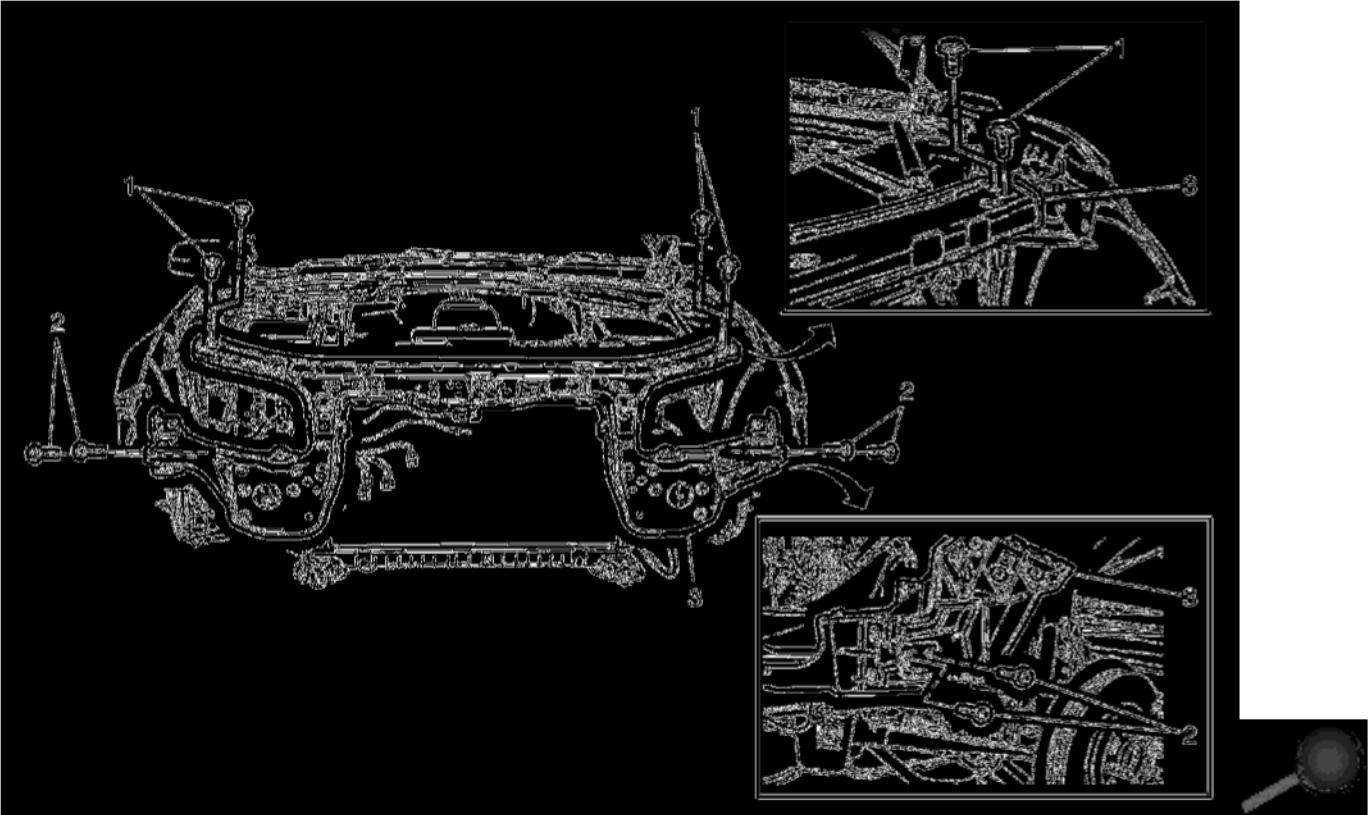
8. All OK.

Repair Instructions

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

[Control Module References](#) for body control module replacement, programming, and setup.

Front End Panel Module Carrier Assembly Replacement (Short Wheelbase)



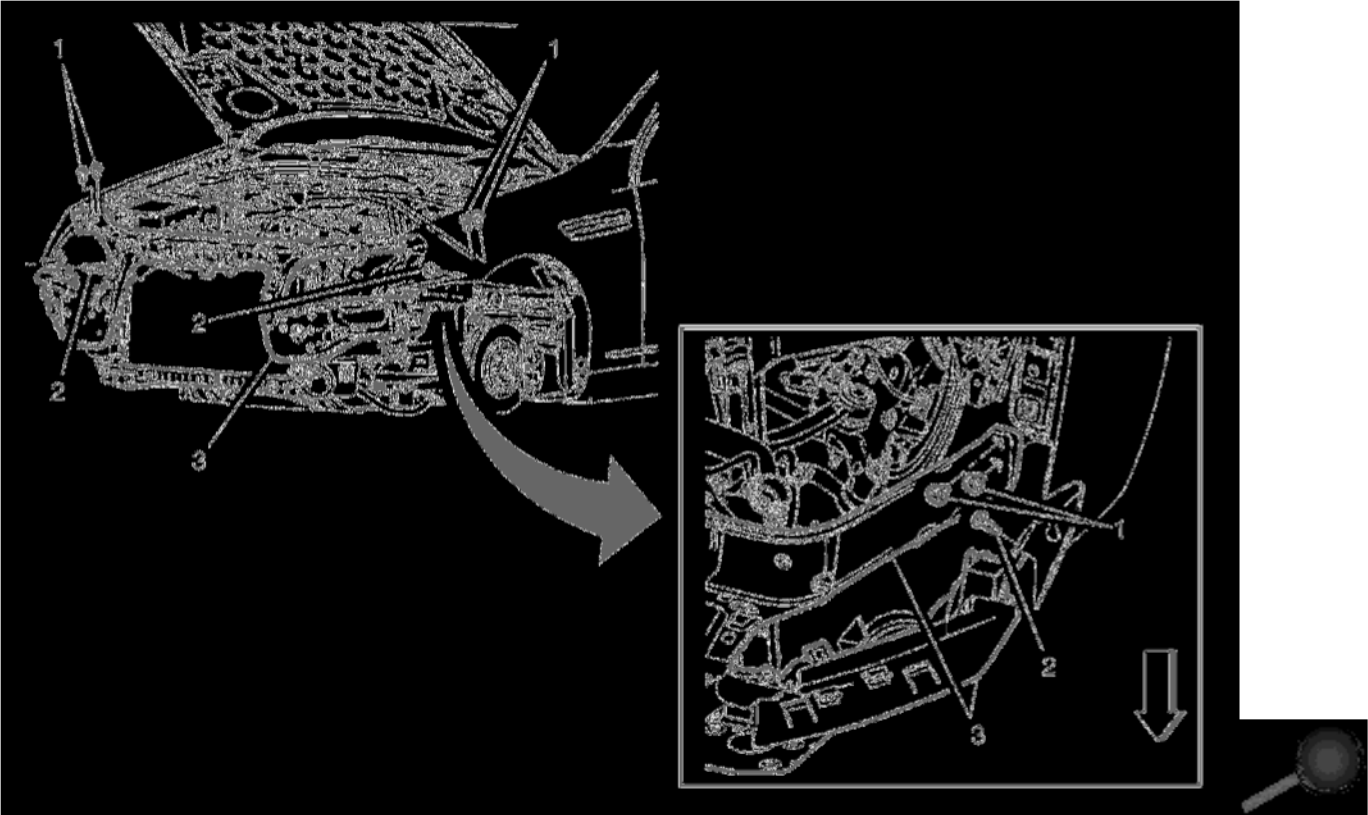
Front End Panel Module Carrier Assembly Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the front bumper fascia . Refer to Front Bumper Fascia Replacement .	
2. Disconnect and reposition the hood primary latch release cable. Refer to Hood Primary Latch Release Cable Replacement .	
3. Remove the front wheelhouse liners. Refer to Front Wheelhouse Liner Replacement	

4. Remove the front headlamps. Refer to [Headlamp Replacement](#)
5. Remove the front impact bar. Refer to [Front Bumper Impact Bar Replacement](#)
6. Disconnect and unclip any wiring harness or connectors as needed.

1	Front End Panel Module Carrier Assembly Upper Bolt (Qty: 4) Caution: Refer to Fastener Caution . Tighten 20 N•m (15 lb ft)
2	Front End Panel Module Carrier Assembly Lower Bolt (Qty 4) Tighten 4.5 N•m (40 lb in)
3	Front End Panel Module Carrier Assembly Procedure Transfer parts as necessary.

Front End Panel Module Carrier Assembly Replacement (Long Wheelbase)



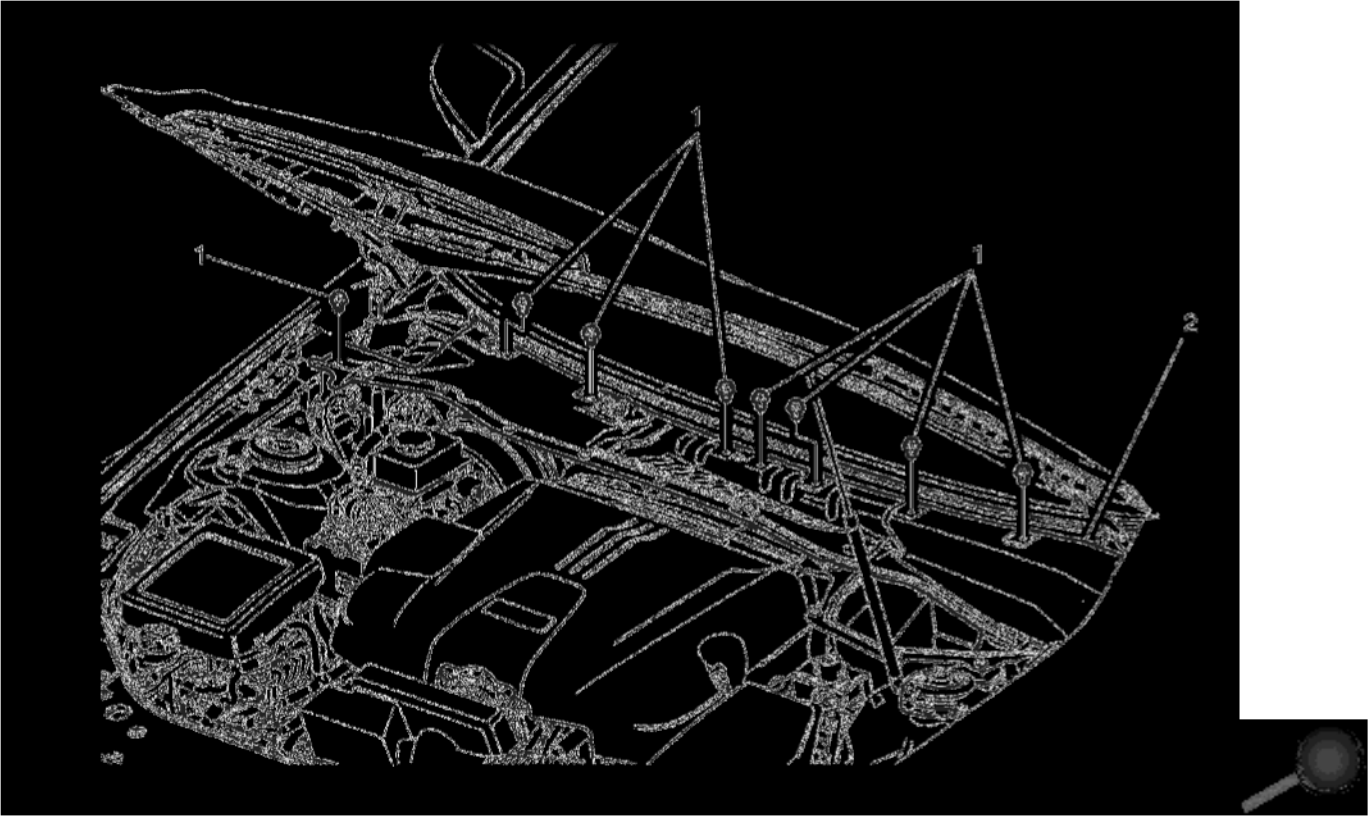
Front End Panel Module Carrier Assembly Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the front bumper fascia . Refer to Front Bumper Fascia Replacement .	
2. Disconnect and reposition the hood primary latch release cable. Refer to Hood Primary Latch Release Cable Replacement .	
3. Remove the front wheelhouse liners. Refer to Front Wheelhouse Liner Replacement	

4. Remove the front headlamps. Refer to [Headlamp Replacement](#)
5. Remove the front impact bar. Refer to [Front Bumper Impact Bar Replacement](#)
6. Disconnect and unclip any wiring harness or connector as needed.

1	Front End Panel Module Carrier Assembly Upper Bolt (Qty: 4) Caution: Refer to Fastener Caution . Tighten 20 N•m (15 lb ft)
2	Front End Panel Module Carrier Assembly Lower Bolt (Qty 2) Tighten 9 N•m (80 lb in)
3	Front End Panel Module Carrier Assembly Procedure Transfer parts as necessary.

Air Inlet Grille Panel Replacement

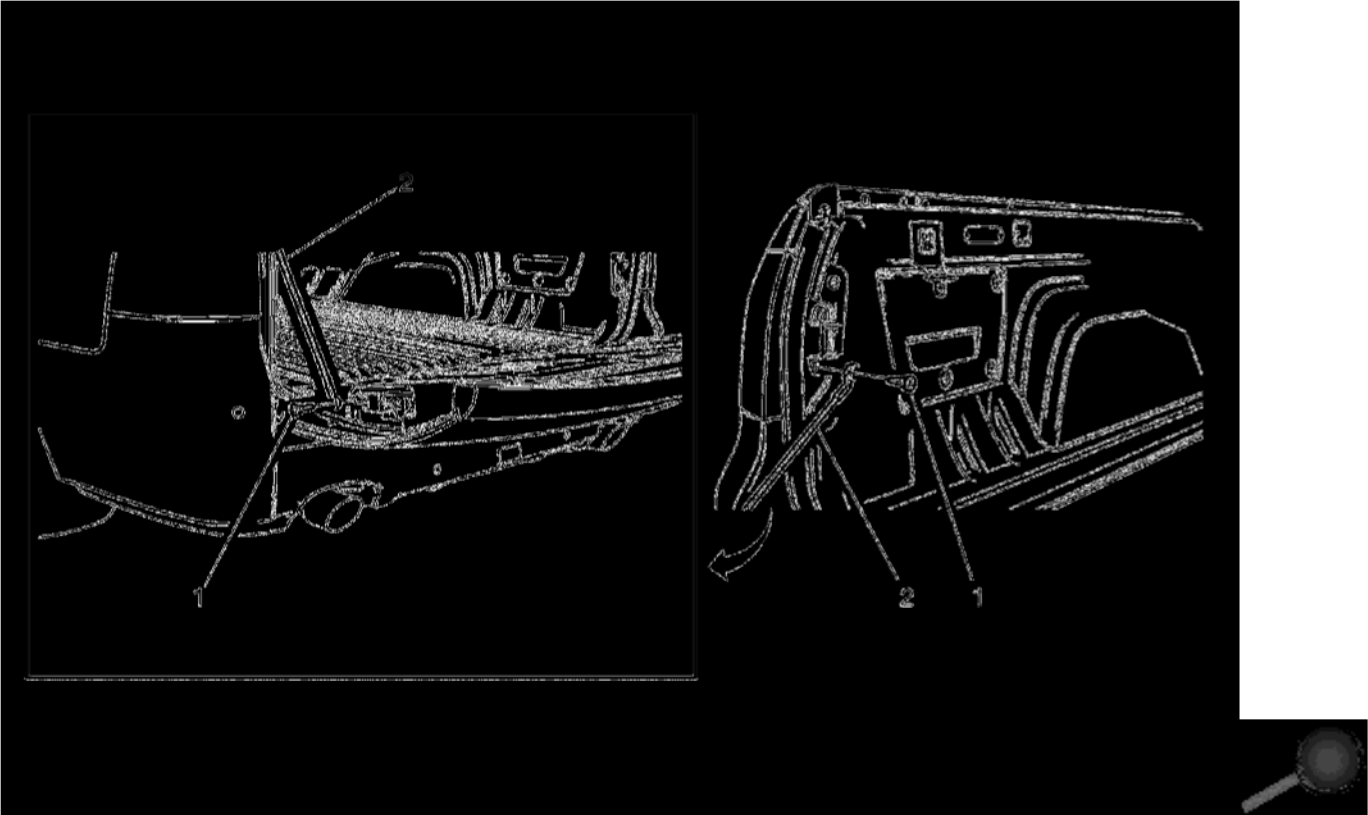


Air Inlet Grille Panel Replacement

Callout	Component Name
Preliminary Procedure Remove the air inlet grille panel. Refer to Air Inlet Grille Panel Replacement .	
	© 2014 General Motors. All rights reserved. Air Inlet Grille Panel Bolt (Qty: 8) Caution: Refer to Fastener Caution .

1	Tighten 9 N•m (80 lb in)
2	Air Inlet Grille Panel

Endgate Cable Replacement (Ute)

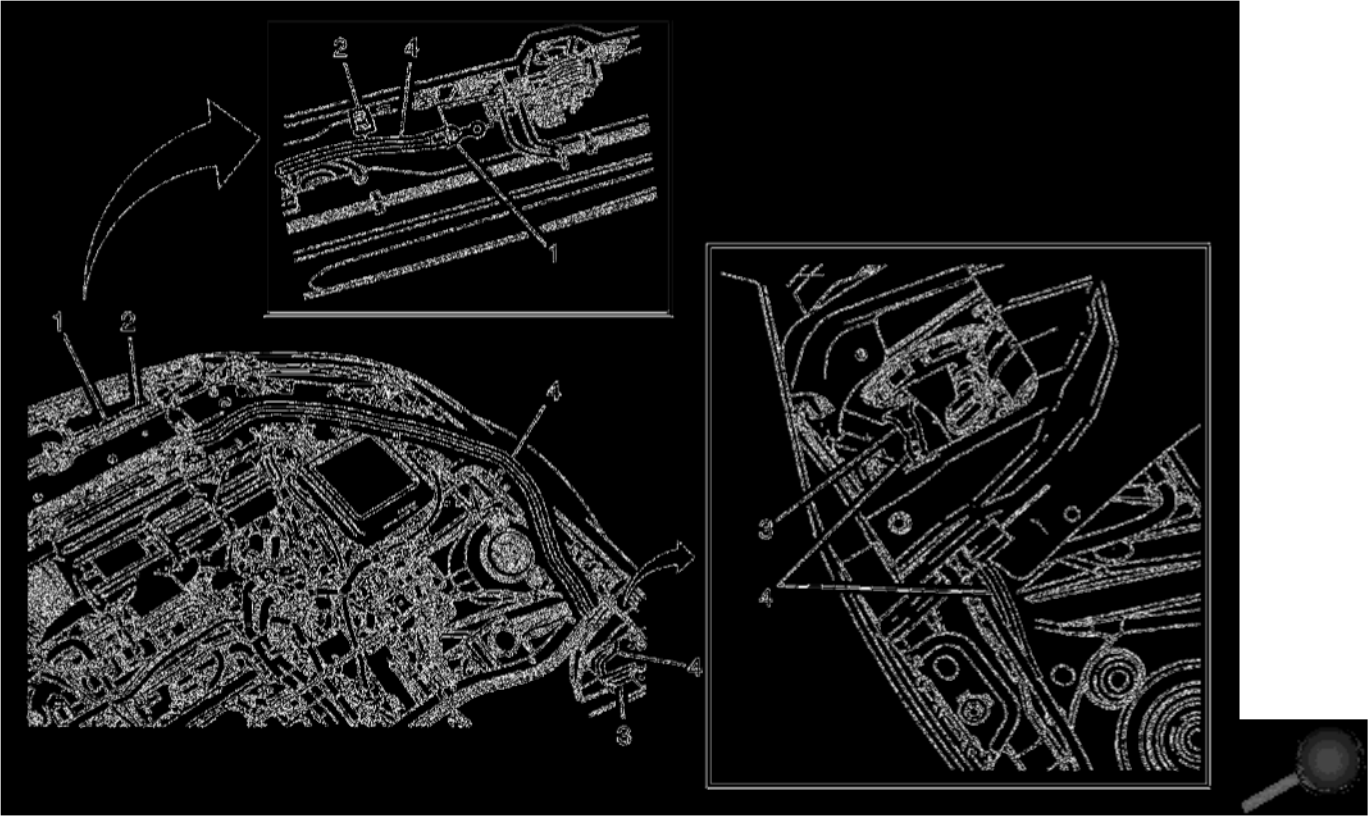


Endgate Cable Replacement

Callout	Component Name
Preliminary Procedure Open and support the endgate.	
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	Endgate Cable Bolt (Qty 2) Caution: Refer to Fastener Caution .

1	1. Remove the endgate latch lower bolt. 2. Remove the pickup box endgate striker lower bolt. Tighten 27 N•m (20 lb ft)
2	Endgate Cable Note: Release the endgate cable from the endgate cable bolt using a small flat bladed screwdriver.

Hood Primary Latch Release Cable Replacement (Short Wheelbase)



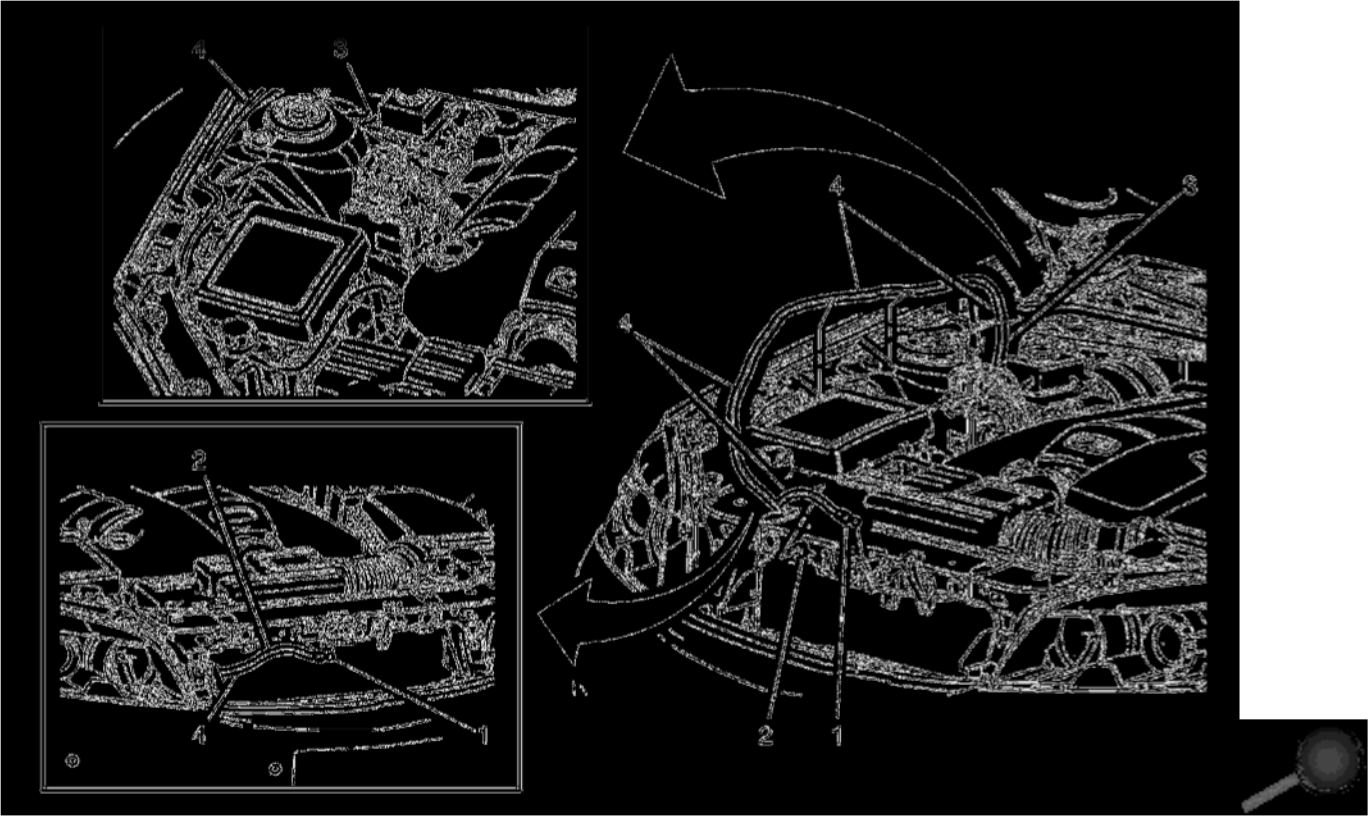
Hood Primary Latch Release Cable Replacement

Callout	Component Name
Preliminary Procedure	
1. Remove the radiator opening upper cover. Refer to Front Opening Upper Cover Replacement	
2. Remove the air inlet grille panel. Refer to Air Inlet Grille Panel Replacement	
3. Remove the body hinge pillar garnish moulding. Refer to Body Hinge Pillar Garnish Molding Replacement	

4. Remove the hood primary latch release cable handle. Refer to [Hood Primary Latch Release Cable Handle 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 Procedure Disconnect the hood primary latch release cable from the hood primary latch release cable retainer.
3	Hood Primary Latch Release Cable Grommet
4	Hood Primary Latch Release Cable Procedure Disconnect the hood primary latch release cable handle from the hood primary latch release cable.

Hood Primary Latch Release Cable Replacement (Long Wheelbase)

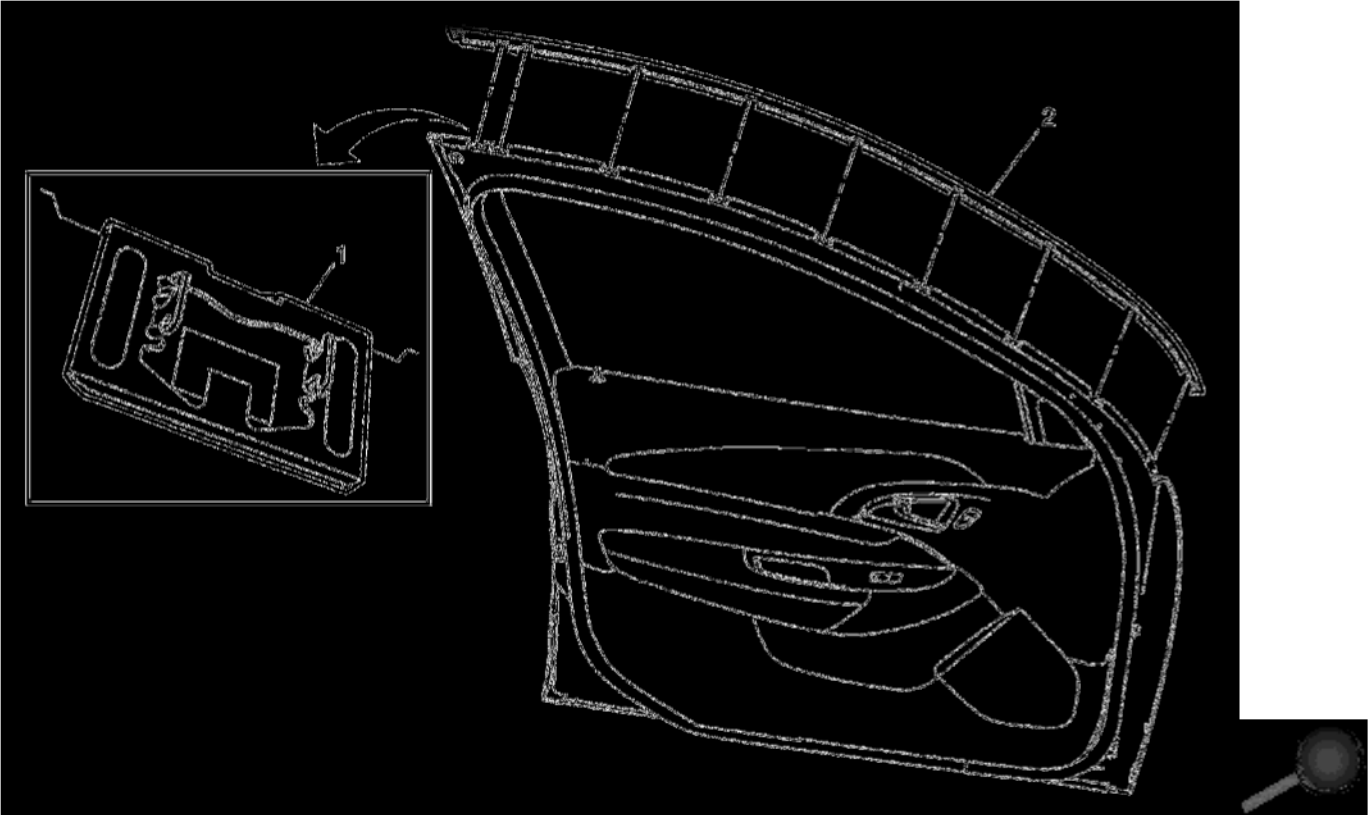


Hood Primary Latch Release Cable Replacement

Callout	Component Name
Preliminary Procedure	
1. Remove the air inlet grille panel. Refer to Air Inlet Grille Panel Replacement . All rights reserved.	
	Hood Primary Latch Cable

1	Procedure Disconnect the hood primary latch release cable from the primary hood latch.
2	Hood Primary Latch Release Cable Retainer Procedure Disconnect the hood primary latch release cable from the hood primary latch release cable retainer.
3	Hood Primary Latch Release Cable Grommet
4	Hood Primary Latch Release Cable Procedure Disconnect the hood primary latch release cable handle from the hood primary latch release cable.

Front Side Door Window Garnish Molding Replacement



Front Side Door Window Garnish Molding Replacement

Callout	Component Name
Preliminary Procedure Remove the front side door upper auxiliary weatherstrip. Refer to Front or Rear Side Door Upper Auxiliary Weatherstrip Replacement .	
1	Front Side Door Window Garnish Molding Clip (Qty: 8)

Front Side Door Window Garnish Molding

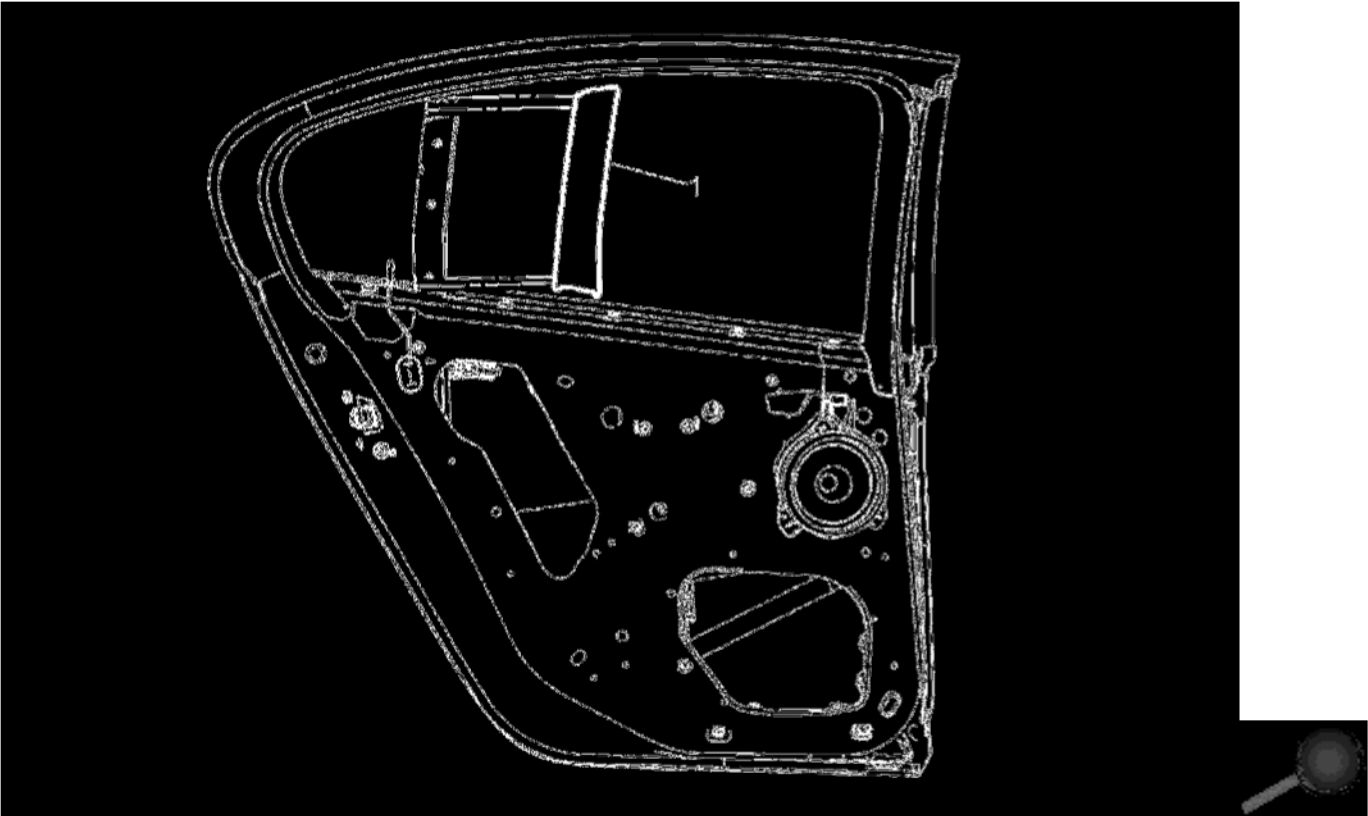
Procedure

2

1. Open the front side door to the full open position.
2. Using the appropriate tool, unclip the front side door window garnish molding from the front side door.

Note: Inspect the door for proper operation.

Rear Side Door Upper Cover Replacement

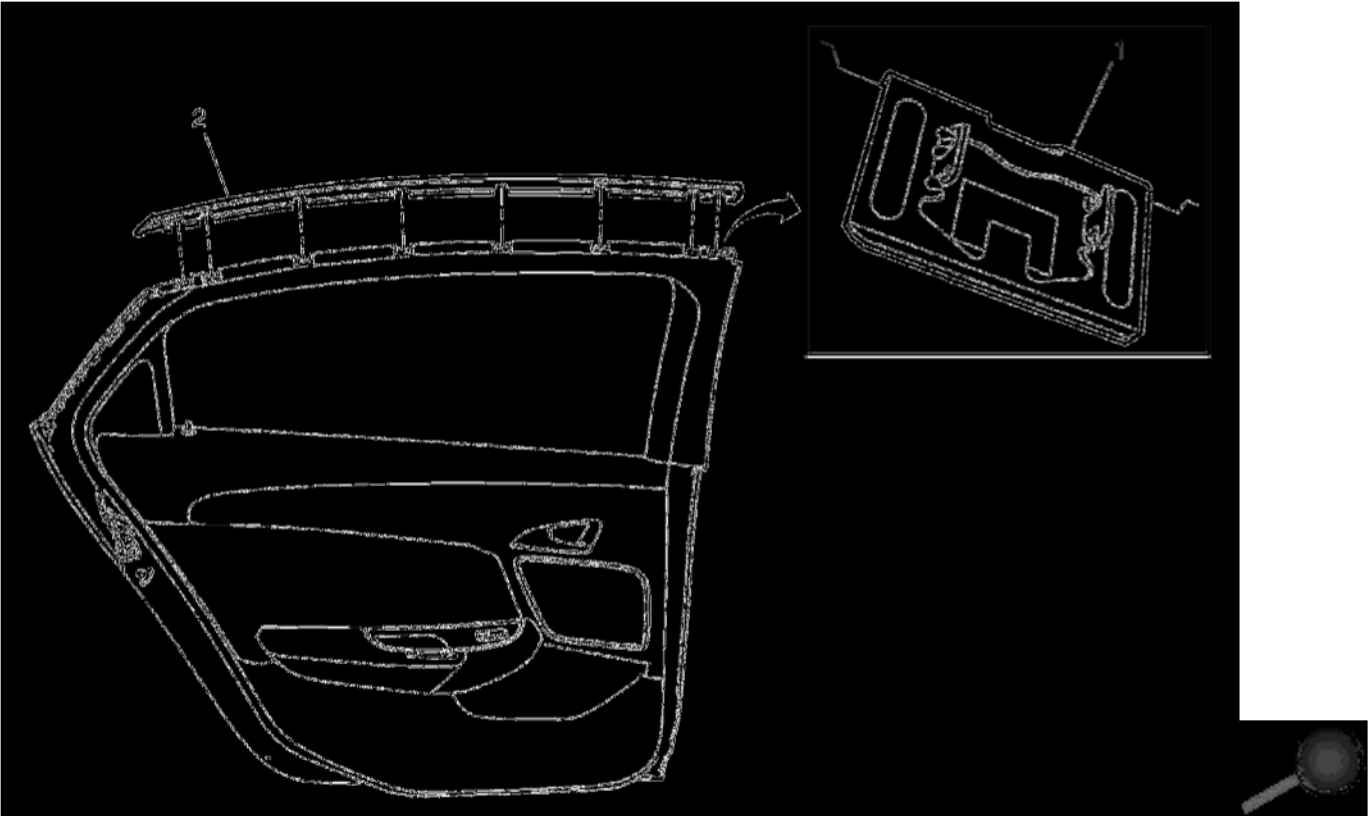


Rear Side Door Upper Cover Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the rear side door upper auxiliary weatherstrip. Refer to Front or Rear Side Door Upper Auxiliary Weatherstrip Replacement .	
2. Remove the rear side door trim. Refer to Rear Side Door Trim Replacement .	

1	Rear Side Door Upper Cover Procedure Using a suitable tool, remove the rear side door upper cover from the door frame. Note: Inspect the door for proper operation before installing the door trim.
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Rear Side Door Window Garnish Molding Replacement (Long Wheelbase)



Rear Side Door Window Garnish Molding Replacement

Callout	Component Name
Preliminary Procedure Remove the rear side door upper auxiliary weatherstrip. Refer to Front or Rear Side Door Upper Auxiliary Weatherstrip Replacement .	
1	Rear Side Door Window Garnish Molding Clips (Qty: 8)

Rear Side Door Window Garnish Molding

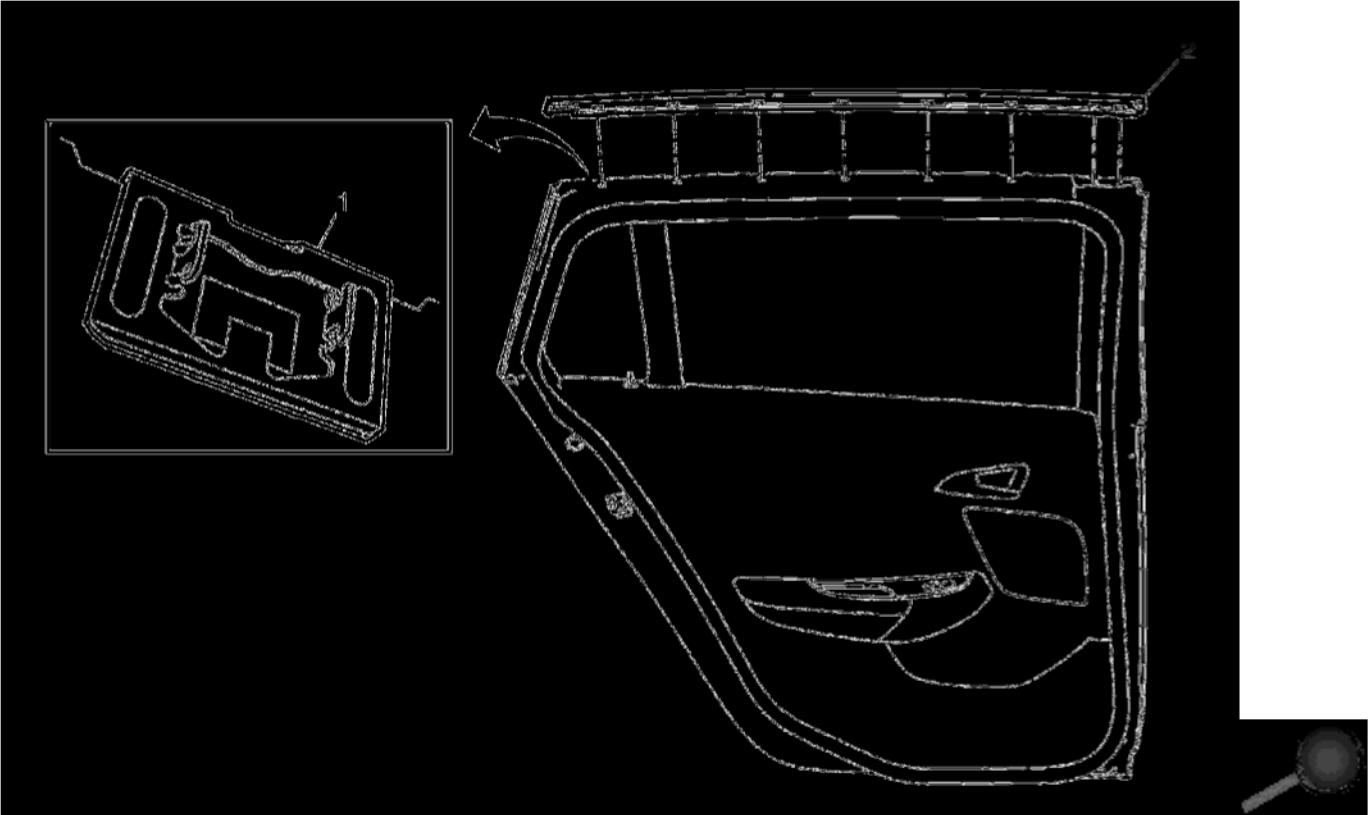
Procedure

2

1. Open the rear side door to the full open position.
2. Using a suitable tool, unclip the rear side door window garnish molding from the rear side door.

Note: Inspect the door for proper operation.

Rear Side Door Window Garnish Molding Replacement (Sportwagon)



Rear Side Door Window Garnish Molding Replacement

Callout	Component Name
Preliminary Procedure Remove the rear side door upper auxiliary weatherstrip. Refer to Front or Rear Side Door Upper Auxiliary Weatherstrip Replacement .	
1	Rear Side Door Window Garnish Molding Clips (Qty: 8)

Rear Side Door Window Garnish Molding

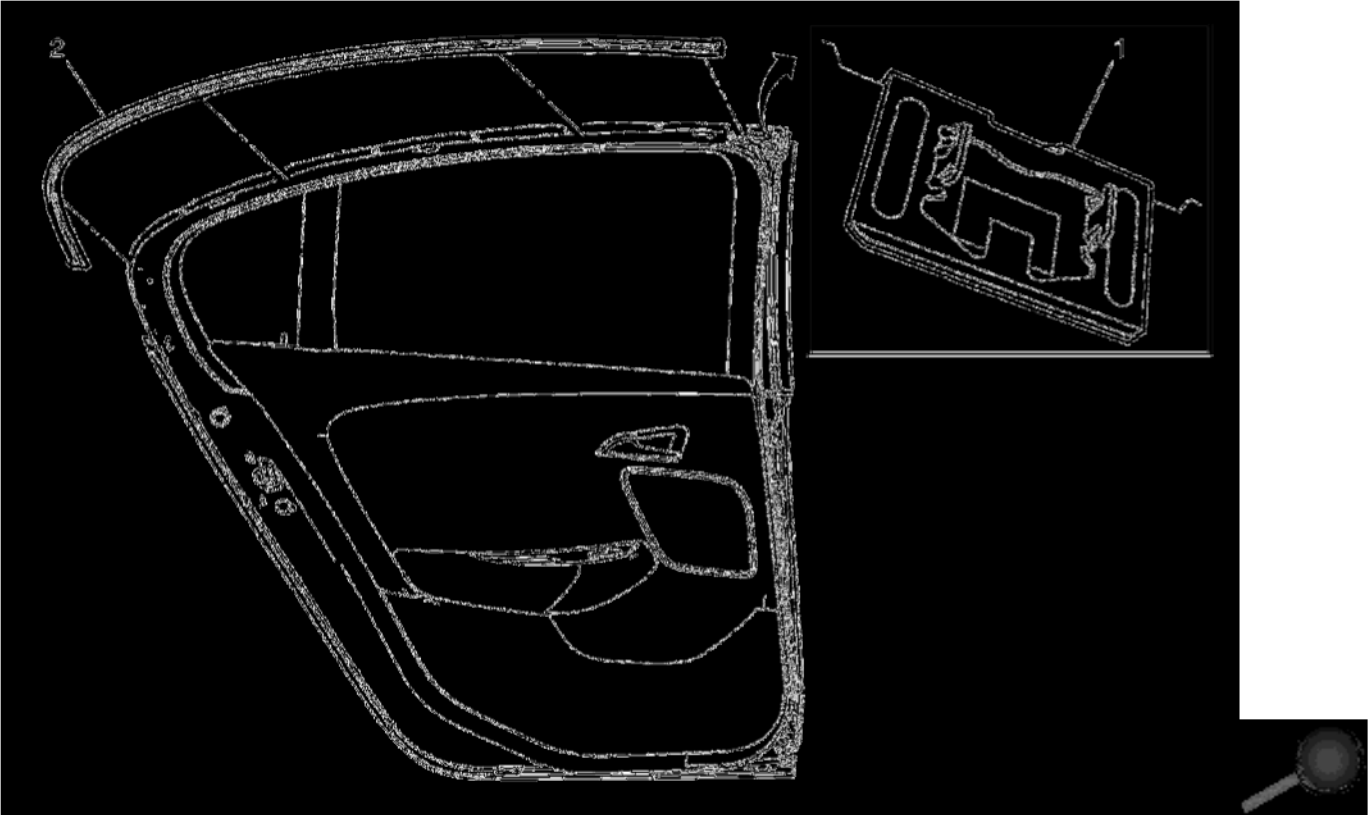
Procedure

2

1. Open the rear side door to the full open position.
2. Using a suitable tool, unclip the rear side door window garnish molding from the rear side door.

Note: Inspect the door for proper operation.

Rear Side Door Window Garnish Molding Replacement (Short Wheelbase)



Rear Side Door Window Garnish Molding Replacement

Callout	Component Name
Preliminary Procedure Remove the rear side door upper auxiliary weatherstrip. Refer to Front or Rear Side Door Upper Auxiliary Weatherstrip Replacement .	
1	Rear Side Door Window Garnish Molding Clips (Qty: 10)

Rear Side Door Window Garnish Molding

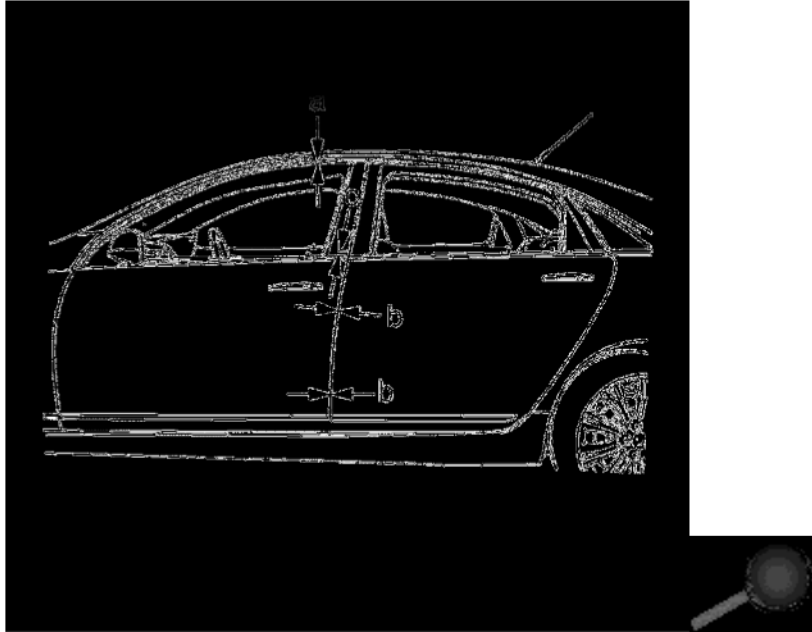
Procedure

2

1. Open the rear side door to the full open position.
2. Using a suitable tool, unclip the rear side door window garnish molding from the rear side door.

Note: Inspect the door for proper operation.

Front Side Door Adjustment



1. Loosen the door hinge to pillar retaining bolts. This will allow adjustment of the door at the hinge pillar in the following directions:
 - Up or down (a), 6.5 mm equal gap.
 - Fore or aft (b), 3.5 mm equal gap.
 - Up or down (c), 5 mm upwards.
2. Reposition the door as needed.
- Caution:** Refer to [Fastener Caution](#).
3. Position the door fore or aft at the hinge pillar attachment. Perform the following steps as needed:
 - 3.1. Loosen the bolts.
 - 3.2. Reposition the door.
 - 3.3. Tighten the bolts.

Tighten

Tighten the bolts to 28 N•m (21 lb ft).

4. Verify the doors are flush to within 3.5 mm, with a flushing magnet located in the striker area below the beltline.
5. If in or out adjustment is needed, loosen the door hinge to door retaining bolts.
6. Align the front door to the front fender first, if needed.
7. Position the door in or out. Perform the following steps as needed:
 - 7.1. Loosen the bolts.
 - 7.2. Reposition the door.
 - 7.3. Tighten the bolts.

Tighten

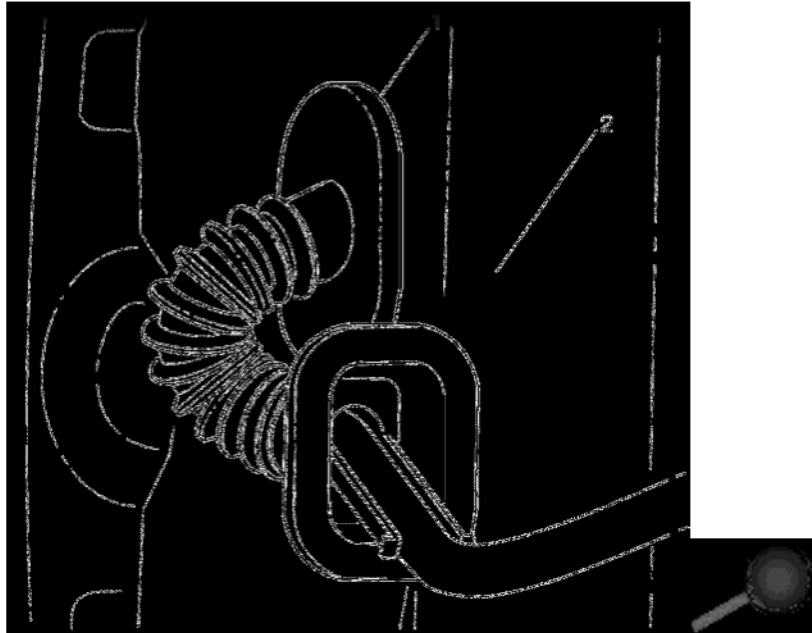
Tighten the bolts to 28 N•m (21 lb ft).

8. Verify all door gaps are within specifications.
9. Adjust the front side door lock striker. Refer to [Front Side Door Lock Striker Adjustment](#).

Front Side Door Replacement

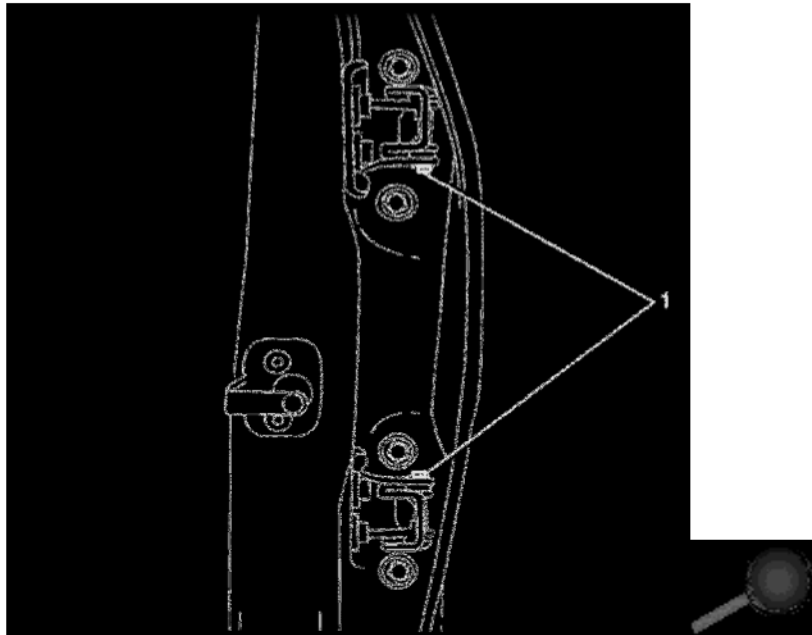
[Removal Procedure](#)

1. Remove the check link to pillar retaining bolt. Refer to [Front Side Door Check Link Replacement](#).

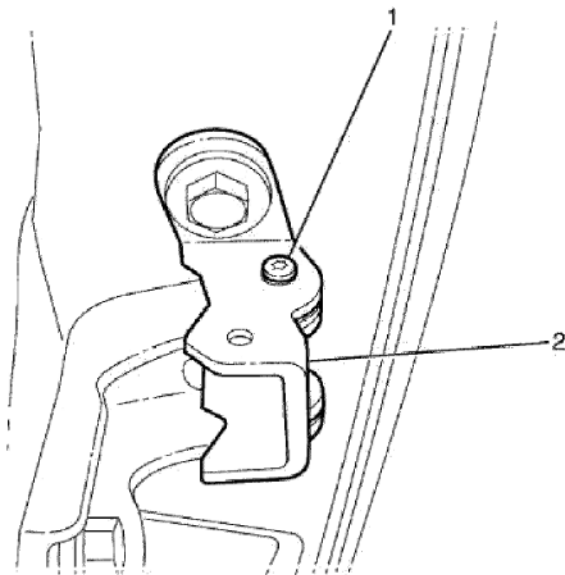


Note: Pull the rubber conduit (1) from the pillar (2) to expose the door to body wiring harness plug.

2. Remove the rubber conduit (1) from the pillar (2).
3. Disconnect the door wiring harness to body wiring harness electrical connector.



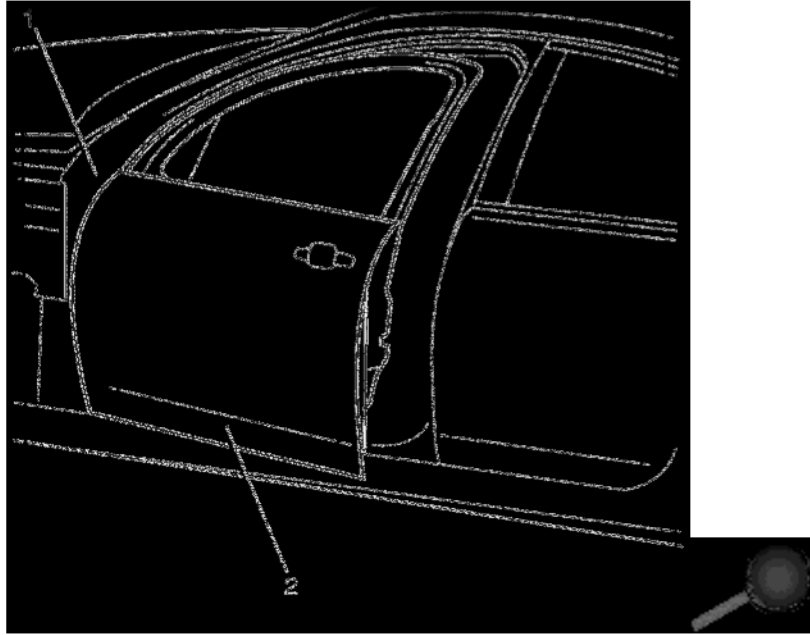
4. The keeper bolts (1) are located in the door hinges with the top door hinge keeper bolt facing downwards and the lower door hinge keeper bolt facing upwards.



Note: The keeper bolts (1) are single use parts and must be discarded after use.

5. Remove the keeper bolts (1) from the door hinges (2).

Discard the bolts.

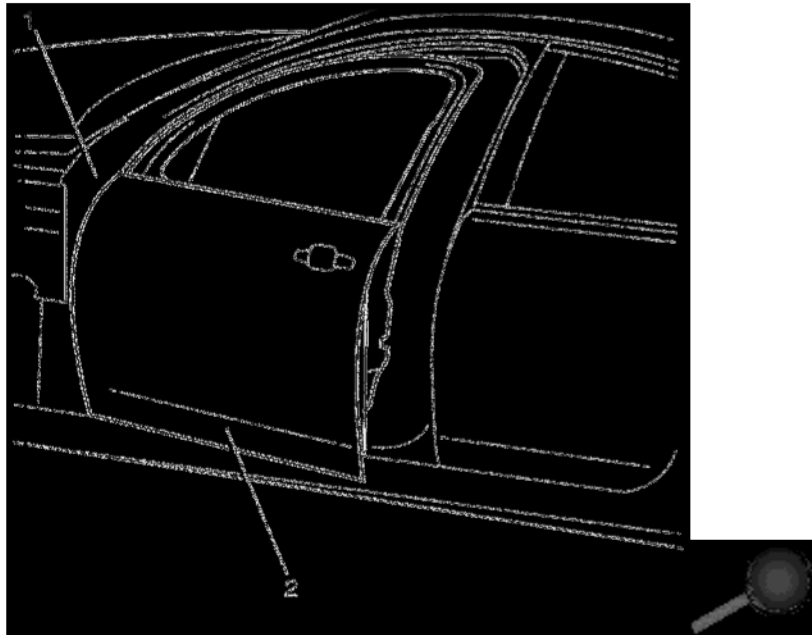


Note: The door (2) can only be removed when it is opened to 50 degrees.

Note: Lift the door (2) upwards and outwards to disengage it from the vehicle (1).

6. Remove the door (2) from the vehicle (1) with the aid of an assistant.

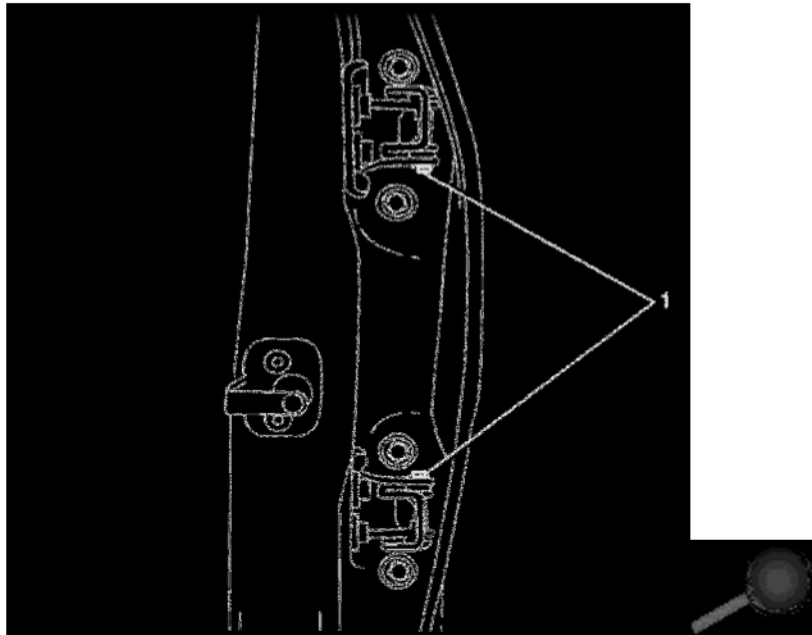
Installation Procedure



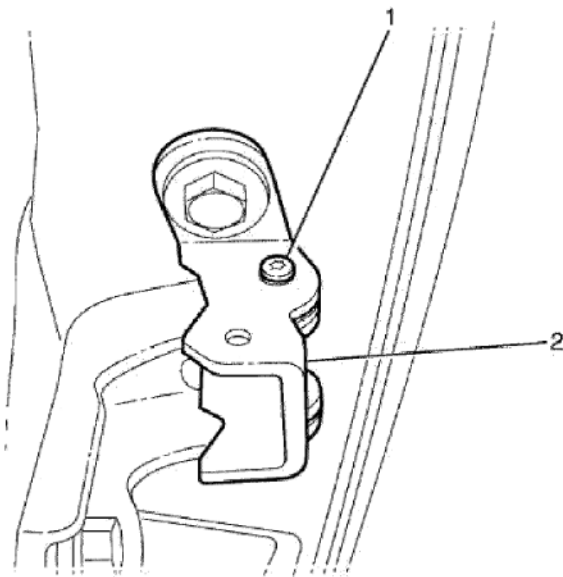
Note: The door (2) can only be installed when it is opened to 50 degrees.

Note: Lower the door (2) downwards and inwards to engage it to the vehicle (1).

1. Install the door (2) to the vehicle (1) with the aid of an assistant.



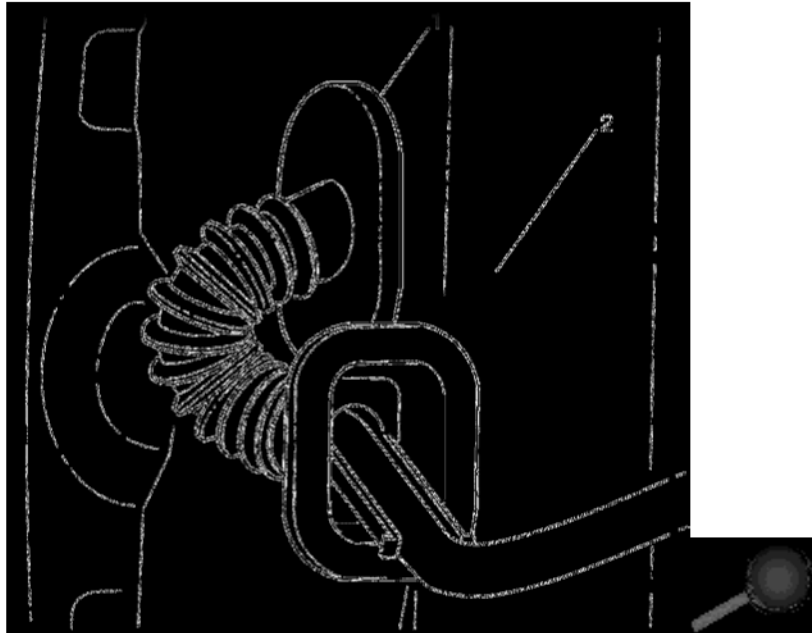
2. The keeper bolts (1) are located in the door hinges with the top door hinge keeper bolt facing downwards and the lower door hinge keeper bolt facing upwards.



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

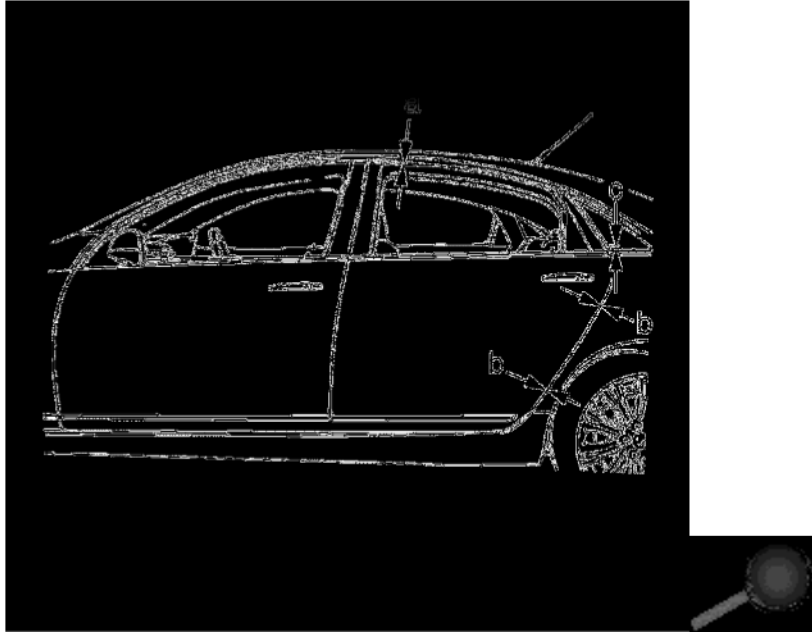
Note: Do Not over tighten the NEW keeper bolts as this will cause the door hinges to squeak.

3. Install the NEW keeper bolts (1) to the door hinges (2) and tighten to **3 N•m (27 lb in)**.
4. Connect the door wiring harness to body wiring harness electrical connector.



5. Install the rubber conduit (1) to the pillar (2).
6. Install the check link to pillar retaining bolt. Refer to [Front Side Door Check Link Replacement](#).

Rear Side Door Adjustment



1. Align the front door to the front fender first, if needed. Refer to [Front Side Door Adjustment](#)
 2. Loosen the door hinge to center pillar retaining bolts. This will allow adjustment of the rear door at the center pillar in the following directions:
 - Up or down (a), 6.5 mm equal gap.
 - Fore or aft (b), 3.5 mm equal gap.
 - Up or down (c), 5 mm upwards.
 3. Reposition the door as needed.
- Caution:** Refer to [Fastener Caution](#).
4. Position the door fore or aft at the center pillar attachment. Perform the following steps as needed:
 - 4.1. Loosen the bolts.
 - 4.2. Reposition the door.

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4.3. Tighten the bolts.

Tighten

Tighten the bolts to 28 N•m (21 lb ft).

5. Verify the rear doors are flush to within 3.5 mm, with a flushing magnet located in the striker area below the beltline.

6. If in or out adjustment is needed, loosen the door hinge to door retaining bolts.

7. Position the door in or out. Perform the following steps as needed:

7.1. Loosen the bolts.

7.2. Reposition the door.

7.3. Tighten the bolts.

Tighten

Tighten the bolts to 28 N•m (21 lb ft).

8. Align the door to the front door and rear quarter, if needed.

9. Position the door in or out. Perform the following steps as needed:

9.1. Loosen the bolts.

9.2. Reposition the door.

9.3. Tighten the bolts.

Tighten

Tighten the bolts to 28 N•m (21 lb ft).

10. Verify door header to door header at the center pillar is flush to within 3.5 mm. Adjust the door headers if necessary.

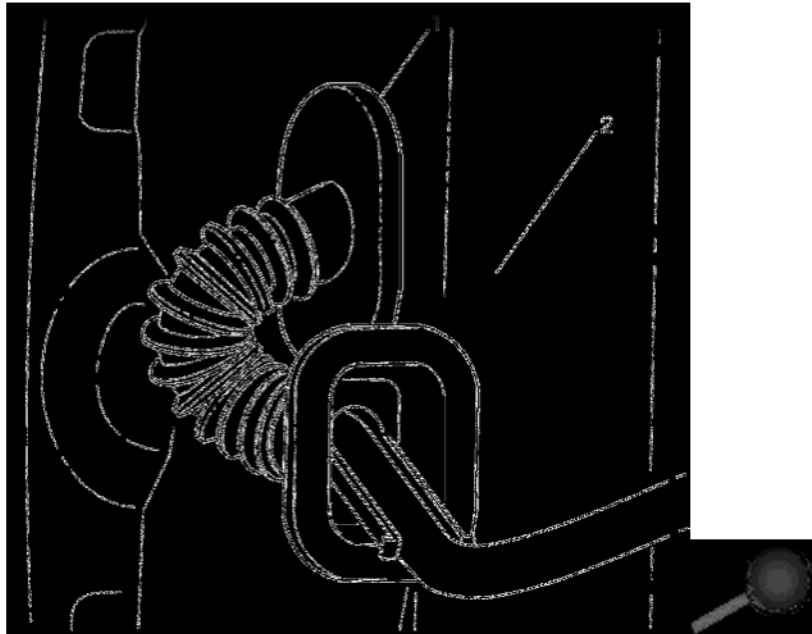
11. Verify all door gaps are within specifications.

12. Adjust the rear side door lock striker. Refer to [Rear Side Door Lock Striker Replacement](#).

Rear Side Door Replacement

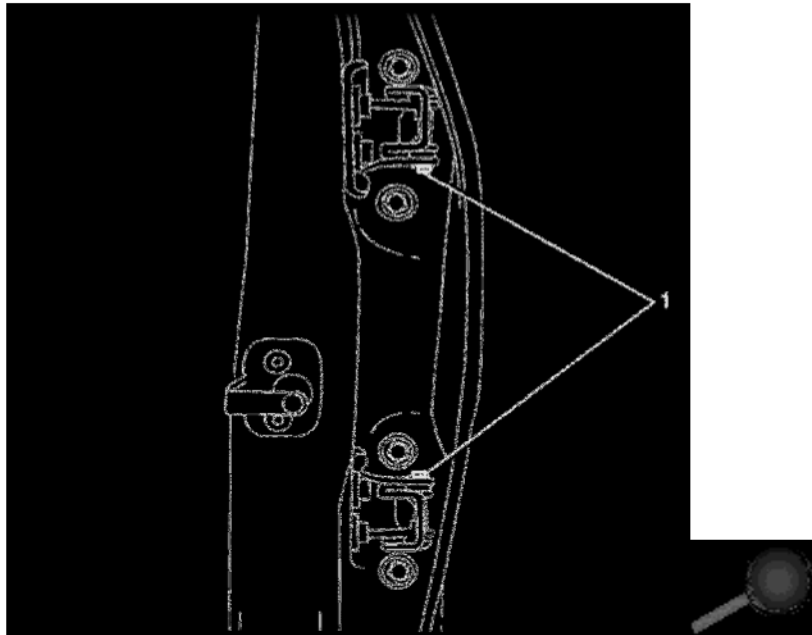
Removal Procedure

1. Remove the check link to pillar retaining bolt. Refer to [Rear Side Door Check Link Replacement](#).

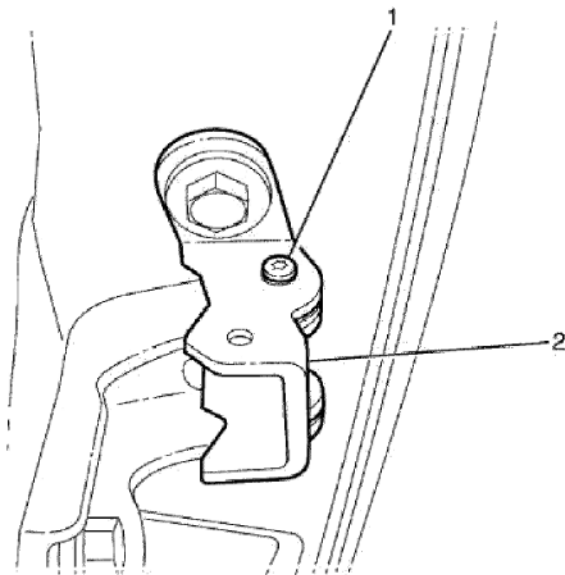


Note: Pull the rubber conduit (1) from the pillar (2) to expose the door to body wiring harness plug.

2. Remove the rubber conduit (1) from the pillar (2).
3. Disconnect the door wiring harness to body wiring harness electrical connector.

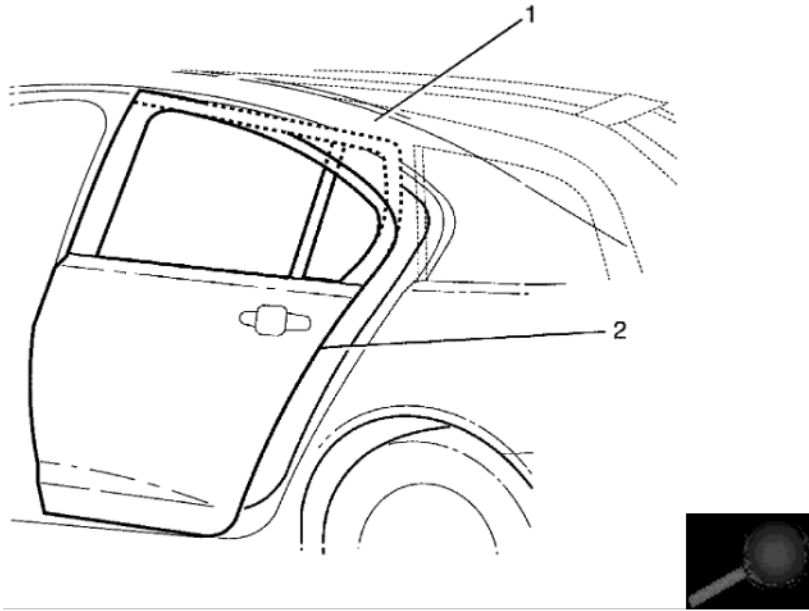


4. The keeper bolts (1) are located in the door hinges with the top door hinge keeper bolt facing downwards and the lower door hinge keeper bolt facing upwards.



Note: The keeper bolts (1) are single use parts and must be discarded after use.

5. Remove the keeper bolts (1) from the door hinges (2).
Discard the bolts.



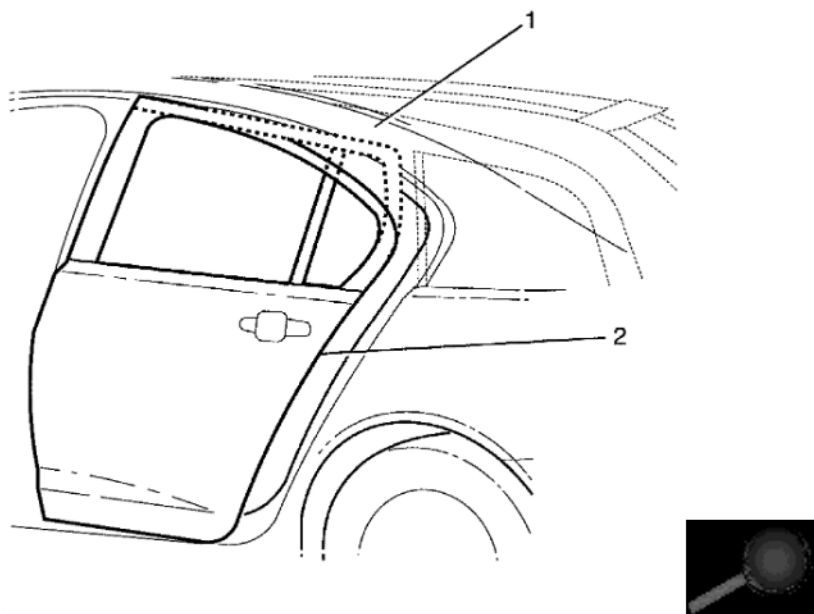
Note: The door (1) can only be removed when it is opened to 50 degrees.

Note: Lift the door (2) upwards and outwards to disengage it from the vehicle (1).

6. Remove the door (2) from the vehicle (1) with the aid of an assistant.

Installation Procedure

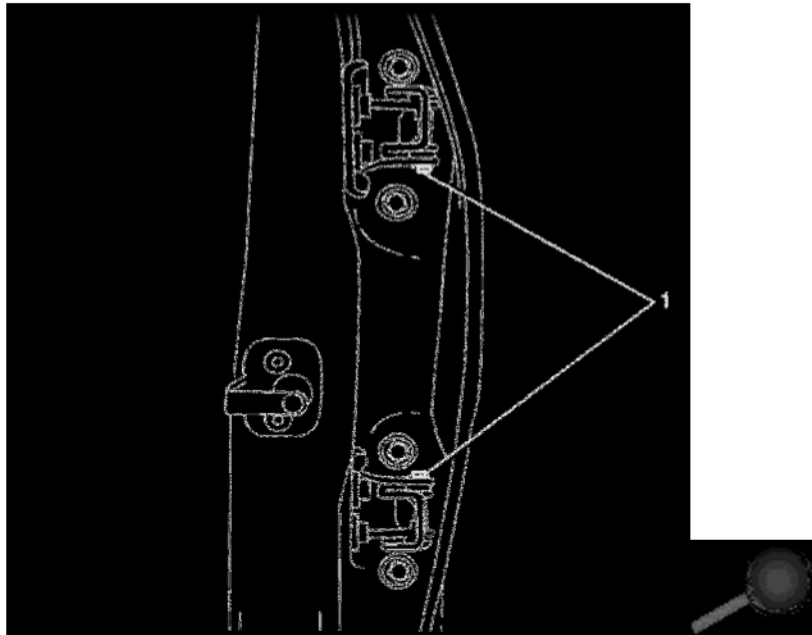
1. Transfer all necessary components.



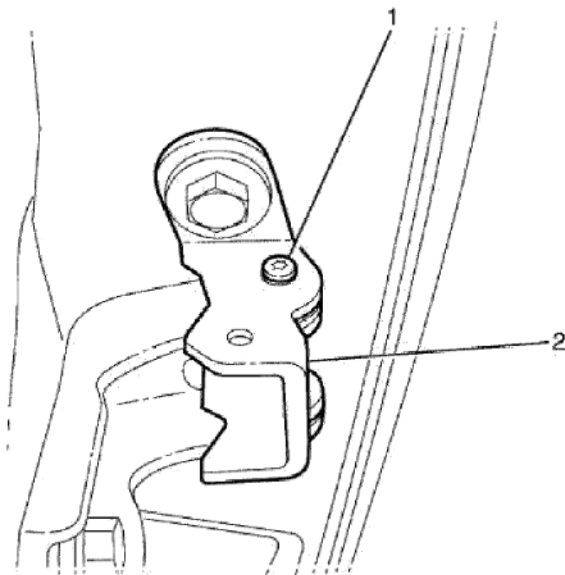
Note: The door (1) can only be installed when it is opened to 50 degrees.

Note: Lower the door (2) downwards and inwards to engage it to the vehicle (1).

2. Install the door (2) to the vehicle (1) with the aid of an assistant.



3. The keeper bolts (1) are located in the door hinges with the top door hinge keeper bolt facing downwards and the lower door hinge keeper bolt facing upwards.



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

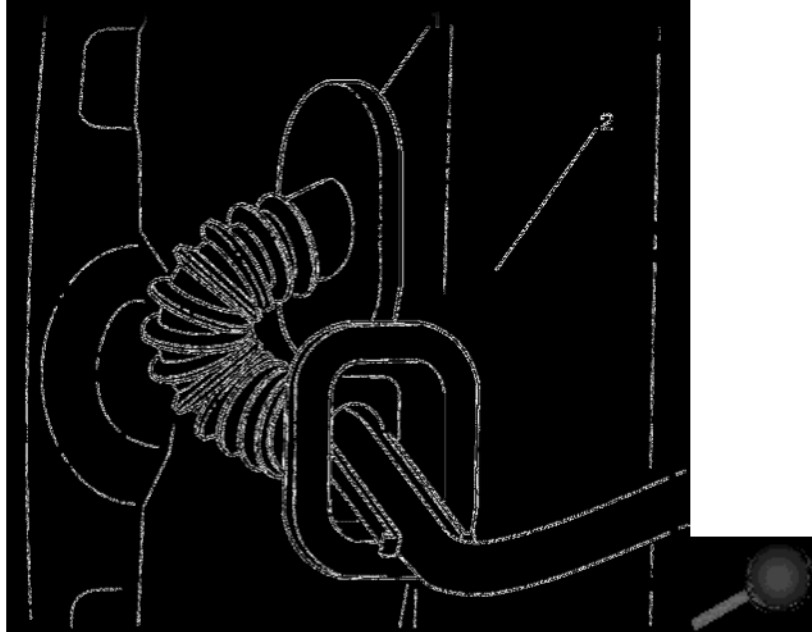
Note: Do Not over tighten the NEW keeper bolts as this will cause the door hinges to squeak.

4. Install the NEW keeper bolts (1) to the door hinges (2).

Tighten

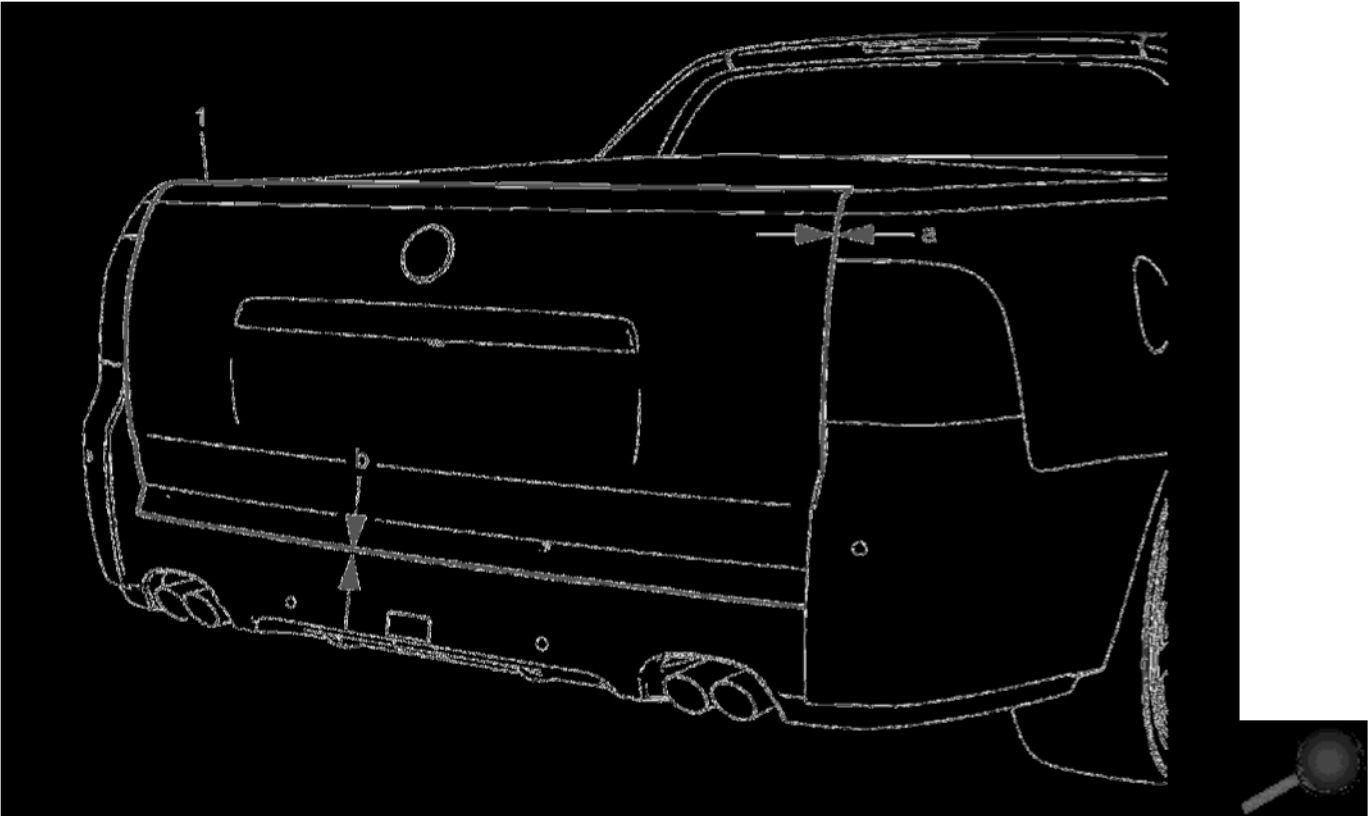
Tighten the bolts to 3 N·m (27 lb in).

5. Connect the door wiring harness to the body wiring harness electrical connector.



6. Install the rubber conduit (1) to the pillar (2).
7. Install the check link to pillar retaining bolt. Refer to [Rear Side Door Check Link Replacement](#).

Endgate Adjustment



Endgate Adjustment

Callout	Component Name
	Endgate Caution: Refer to Fastener Caution. Procedure 1. Loosen the 4 endgate hinge bolts to adjust the endgate.

1

2. Adjust the endgate in order to obtain an even gap between the endgate and the quarter panel, the endgate to rear bumper fascia so that the endgate is flush with the quarter panel, and the rear bumper fascia.

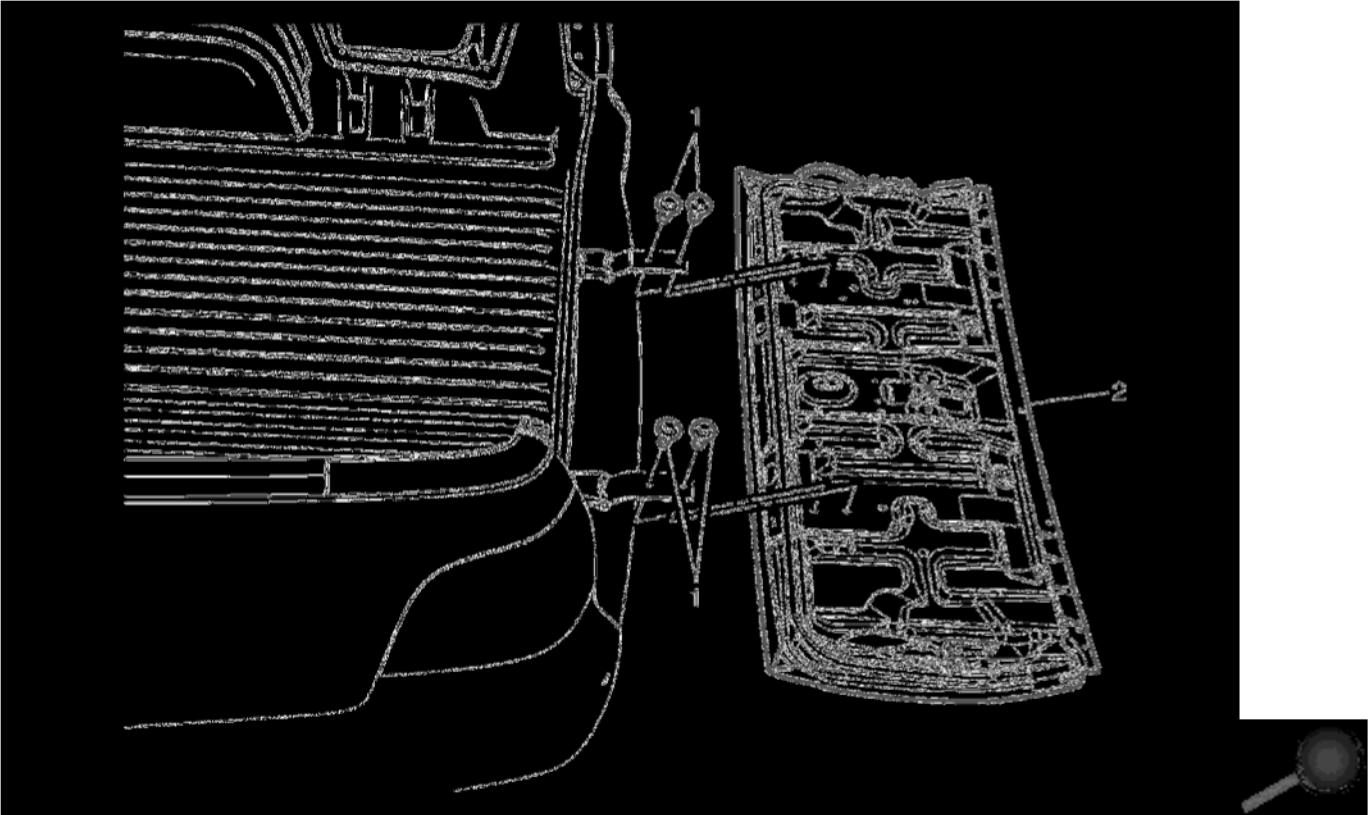
Adjustment:

- Align the endgate in order to achieve an equal gap of 2.25 to 3.75 mm (0.9 to 0.15 in) (a) around the endgate to the rear quarter panels.
- Align the endgate in order to achieve an equal gap of 5 to 7 mm (0.2 to 0.28 in) (b) from the endgate to the rear bumper fascia.

Tighten

12 N•m (9 lb ft)

Endgate Replacement (Ute)

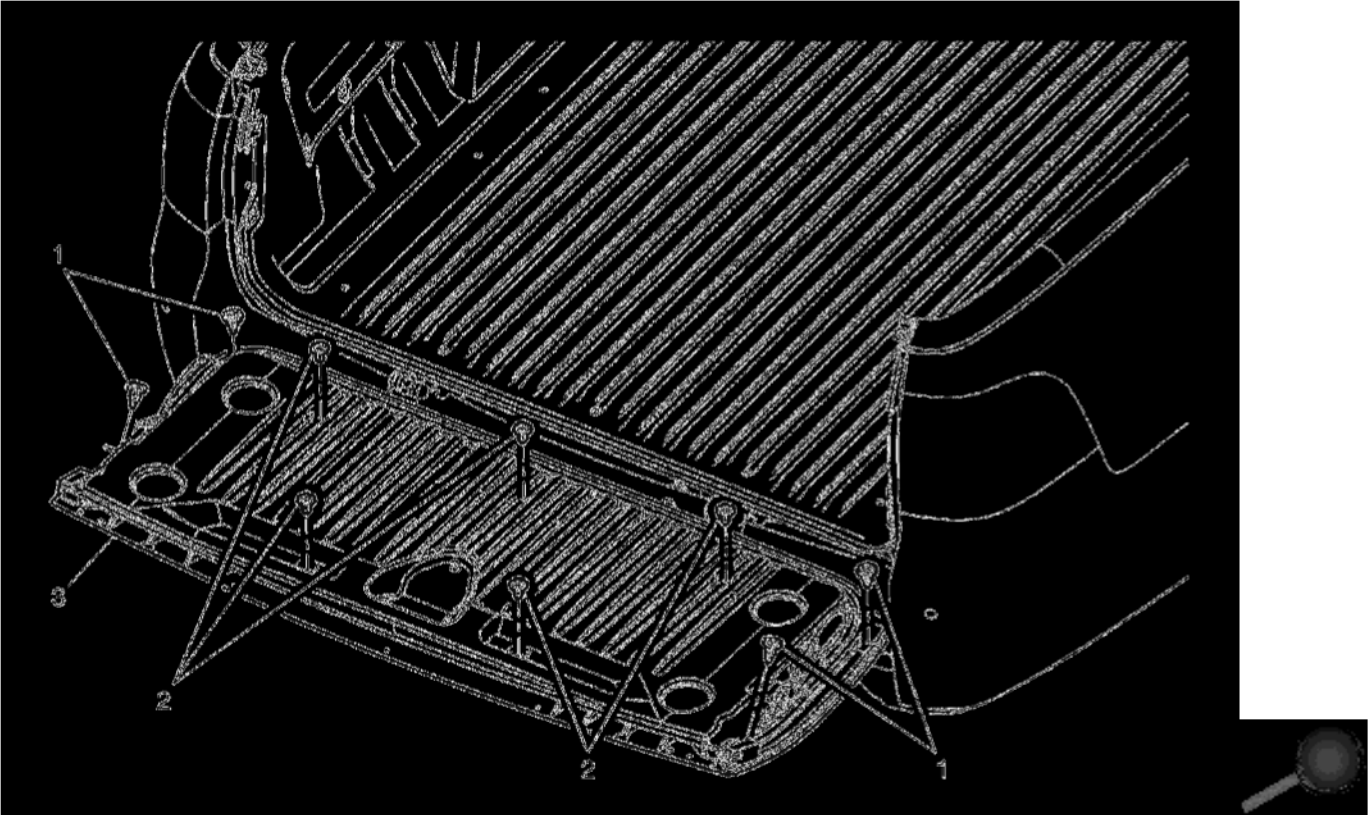


Endgate Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the endgate liner. Refer to Pickup Box Endgate Liner Replacement	
2. Remove the endgate cable. Refer to Endgate Cable Replacement	
3. With the aid of an assistant, support the endgate.	

1	Endgate Bolt (Qty 4) Caution: Refer to Fastener Caution . Tighten 22 N•m (16 lb ft)
2	Pickup Box Endgate When adjustments are needed. Refer to Endgate Adjustment

Pickup Box Endgate Liner Replacement

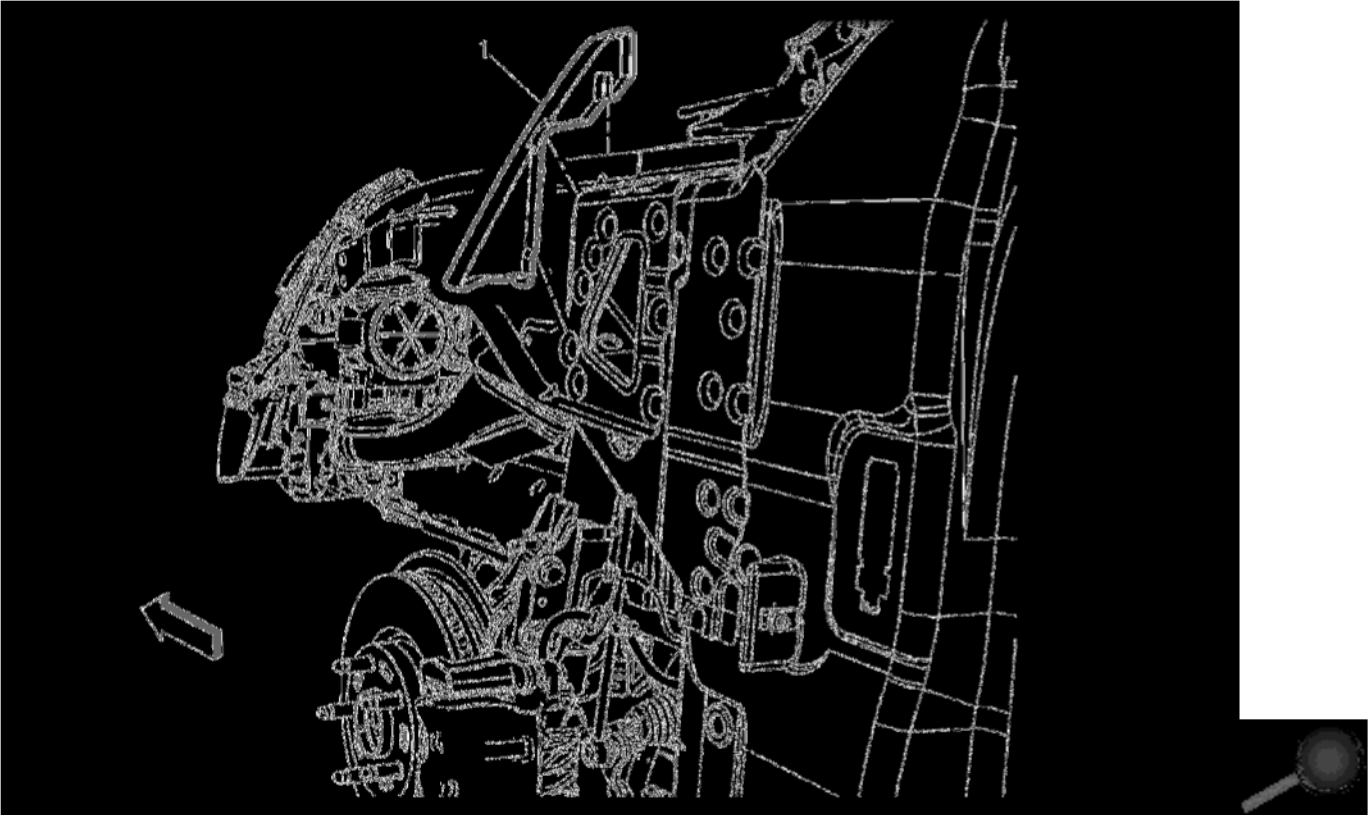


Pickup Box Endgate Liner Replacement

Callout	Component Name
Preliminary Procedure Open the end gate in order to remove the end gate liner assembly. © 2014 General Motors. All rights reserved.	
1	Pick Up Box End Gate Liner Retainer (Qty 4)

2	Pick Up Box End Gate Liner Bolt (Qty: 5) Caution: Refer to Fastener Caution .
3	Pick Up Box End Gate Liner Note: Pull the top endgate liner edge from under the end gate upper finish molding end cap.

Front Compartment Side Rail Wheelhouse Panel Baffle Replacement



Front Compartment Side Rail Wheelhouse Panel Baffle Replacement

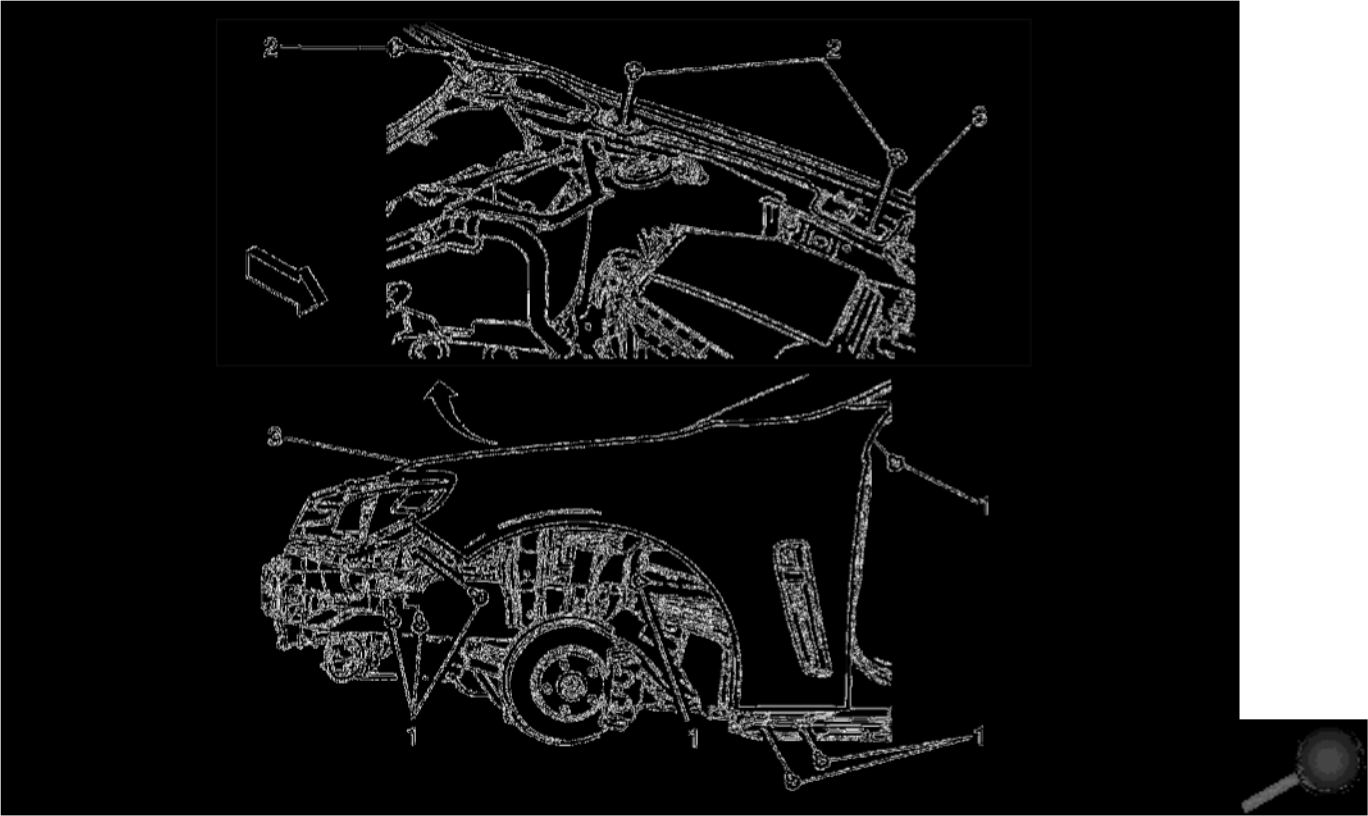
Callout	Component Name
Preliminary Procedure Remove the front fender. Refer to Front Fender Replacement	
	© 2014 General Motors. All rights reserved. Front Compartment Side Rail Wheelhouse Panel Baffle
	Procedure

1

1. Carefully pull the lower half of the front compartment side rail wheelhouse panel baffle to release the pins.
2. Pull the front compartment side rail wheelhouse panel baffle upward.

Note: When reusing the fender, you need to touch up paint the location of the old baffel seal to prevent corrosion from developing on the fender.

Front Fender Replacement (Short Wheelbase)



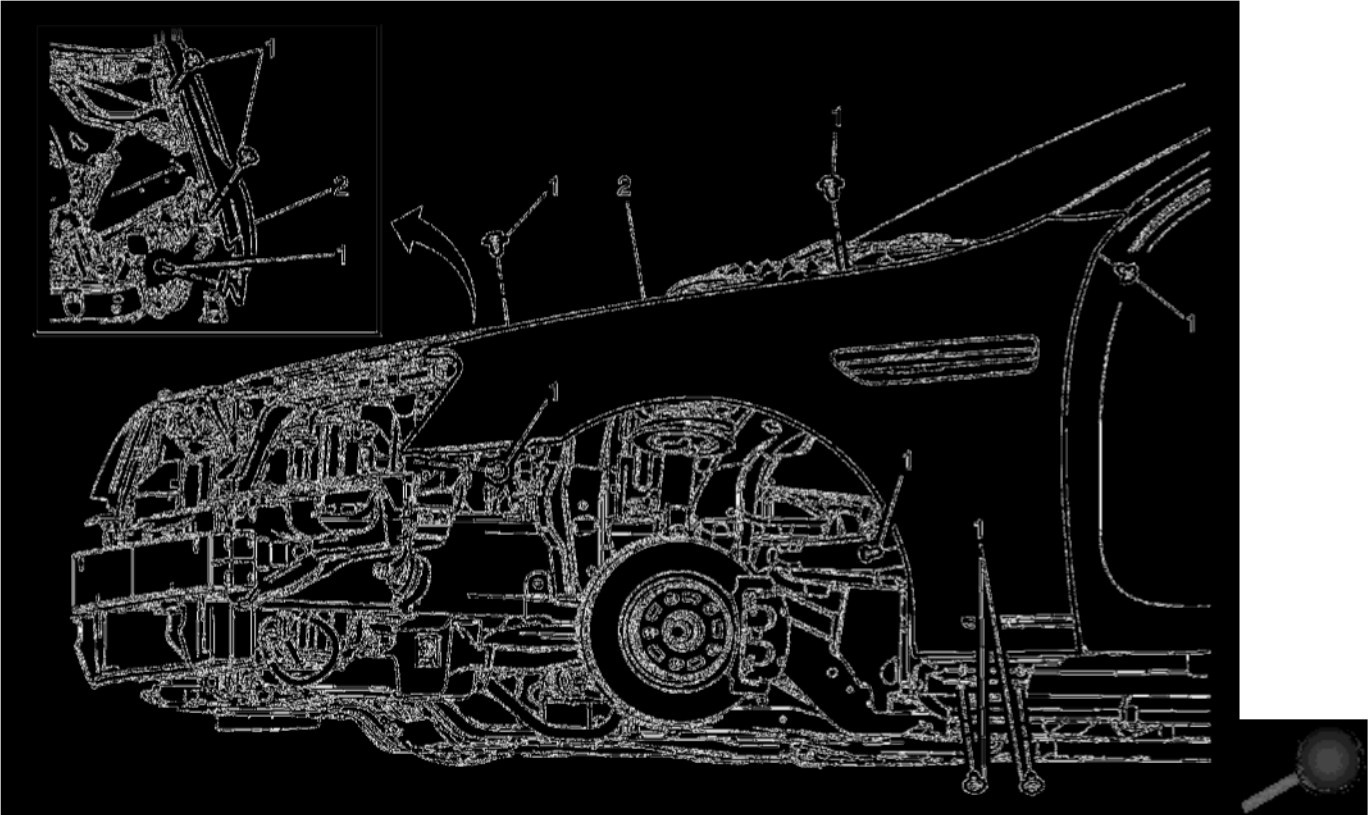
Front Fender Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the front bumper fascia. Refer to Front Bumper Fascia Replacement .	
2. Remove the rocker panel. Refer to Rocker Panel Molding Replacement .	
3. Remove the front wheelhouse front liner. Refer to Front Wheelhouse Liner Replacement .	

4. Remove the air inlet grille panel. Refer to [Air Inlet Grille Panel Replacement](#).

1	Front Fender Bolt (Qty 7) Caution: Refer to Fastener Caution . Tighten 9 N•m (80 lb in)
2	Front Fender Upper Bolt (Qty 3) Tighten 9 N•m (80 lb in)
3	Front Fender Procedure Transfer parts as needed. Note: When reusing the fender, you need to apply touch up paint the location of the old baffle seal to prevent corrosion from developing on the fender.

Front Fender Replacement (Long Wheelbase)



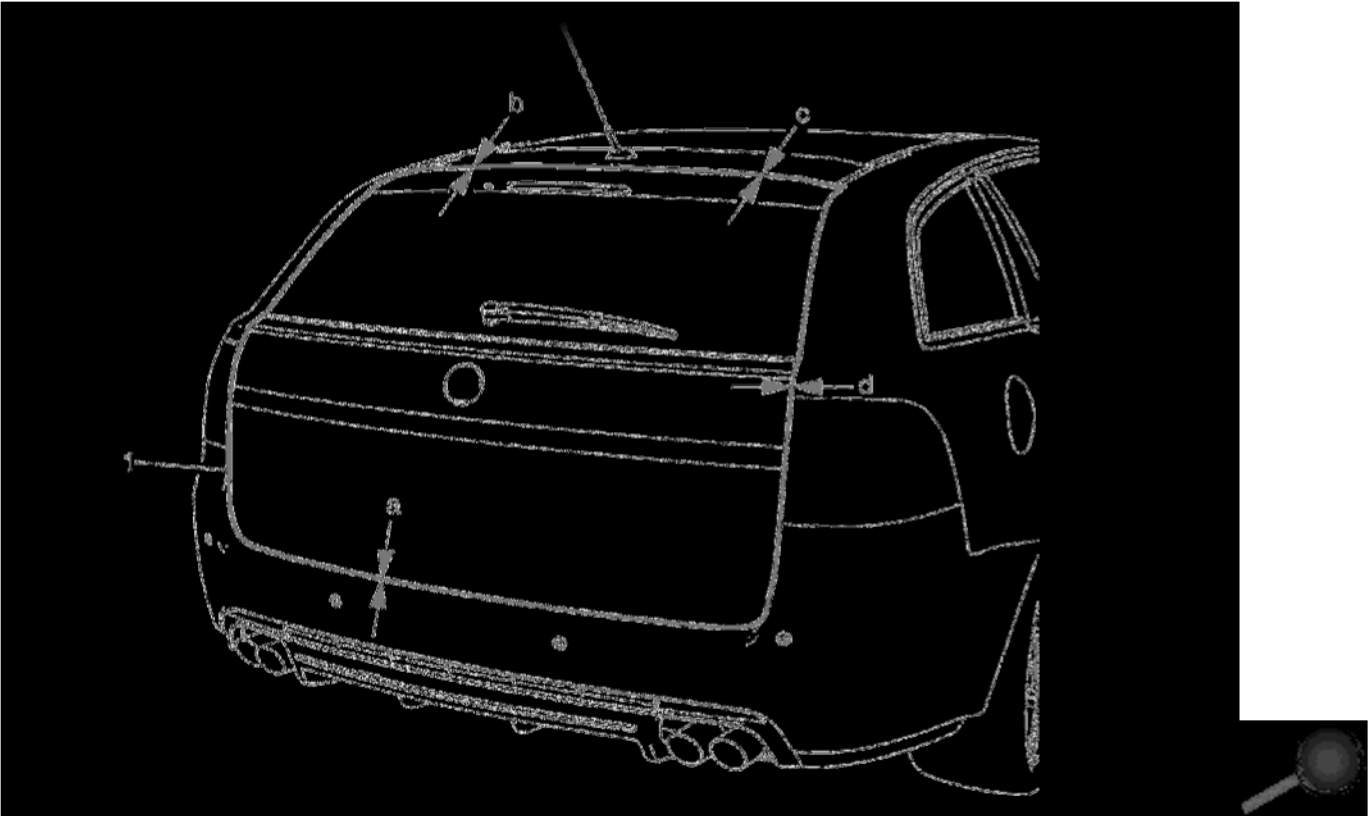
Front Fender Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the front bumper fascia. Refer to Front Bumper Fascia Replacement .	
2. Remove the headlamp. Refer to Headlamp Replacement .	
3. Remove the rocker panel. Refer to Rocker Panel Molding Replacement .	

4. Remove the front wheelhouse front liner. Refer to [Front Wheelhouse Liner Replacement](#).
5. Remove the air inlet grille panel. Refer to [Air Inlet Grille Panel Replacement](#).

1	Front Fender Bolt (Qty 7) Caution: Refer to Fastener Caution . Tighten 9 N•m (80 lb in)
2	Front Fender Procedure Transfer parts as needed. Note: When reusing the fender, you need to apply touch up paint the location of the old baffle seal to prevent corrosion from developing on the fender.

Liftgate Adjustment



Liftgate Adjustment

Callout	Component Name
	Liftgate Procedure © 2014 General Motors. All rights reserved. 1. Loosen the liftgate hinge bolts (Qty: 4) to adjust the liftgate. 2. Adjust the liftgate lid in order to obtain an even gap between the liftgate and the rear bumper fascia, the roof

1

panel, and with the quarter outer panel.

Adjustment

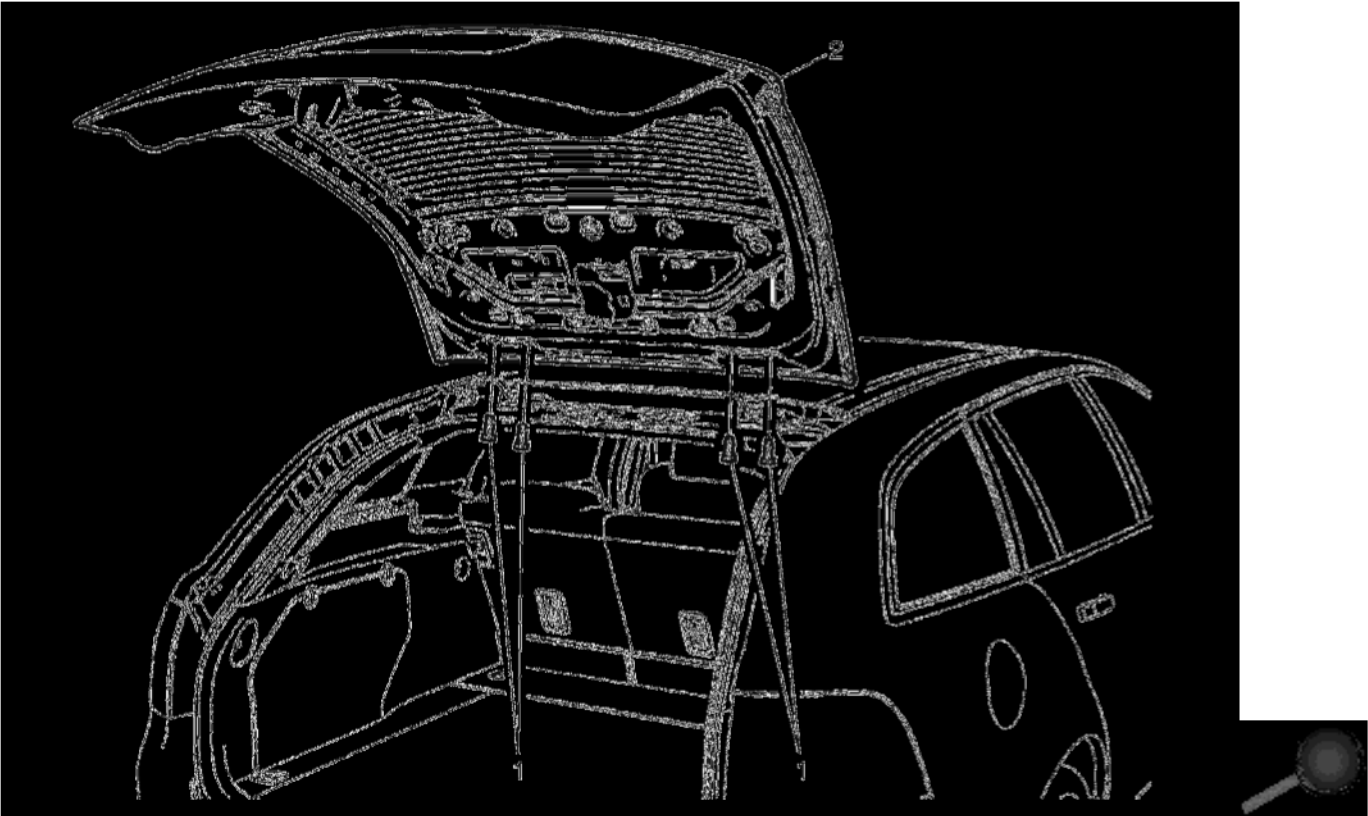
- Align the liftgate in order to achieve an equal gap of 6.7 mm from the liftgate to the rear bumper fascia (a).
- Align the liftgate in order to achieve an equal gap of 6.5 mm from the liftgate to the roof panel (b,c).
- Align the liftgate in order to achieve an equal gap of 4.5 mm from the liftgate to the rear quarter panels (d).

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

Tighten

58 N•m (43 lb ft)

Liftgate Replacement (Sportwagon)



Liftgate Replacement

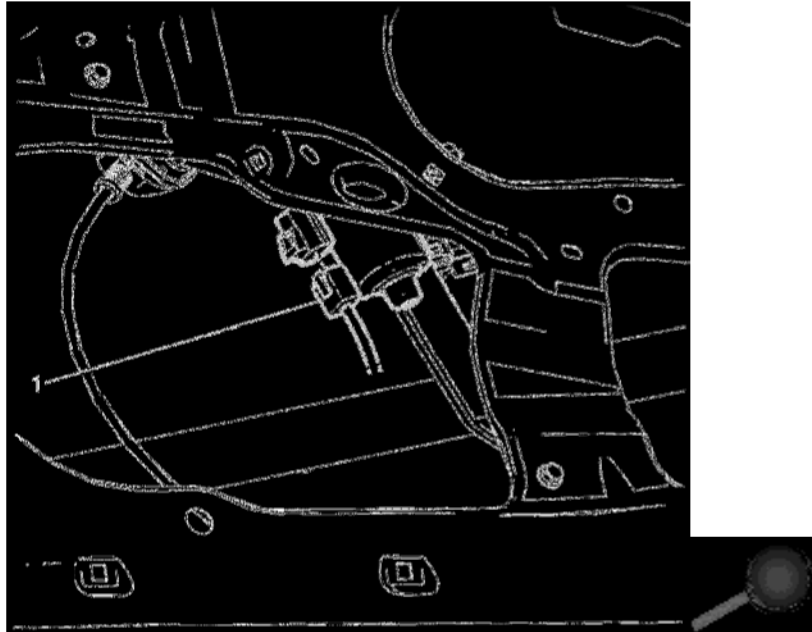
Callout	Component Name
Preliminary Procedures	
1. Disconnect the battery. Refer to Battery Negative Cable Disconnection and Connection .	
2. Disconnect the liftgate wiring harness. Refer to Liftgate Wiring Harness Replacement .	
3. Disconnect the liftgate strut. Refer to Liftgate Strut Replacement .	

1	Liftgate Hinge Bolt (Qty: 4) Caution: Refer to Fastener Caution . Tighten 58 N•m (43 lb ft)
2	Liftgate Procedure 1. Transfer parts as needed. 2. Adjust the liftgate if needed. Refer to Liftgate Adjustment

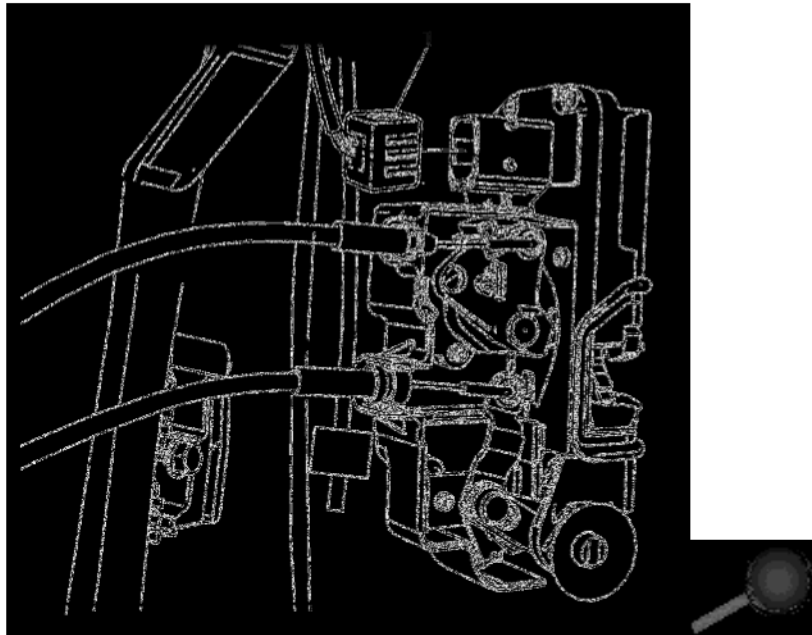
Front Side Door Wiring Harness Replacement

Removal Procedure

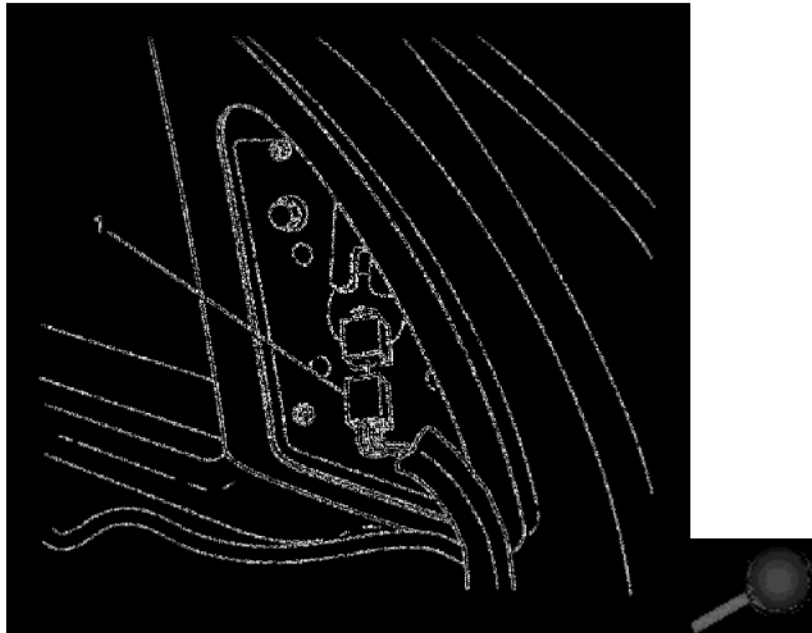
1. Remove the door trim. Refer to [Front Side Door Trim Replacement](#).
2. Remove the speaker. Refer to [Radio Front Side Door Speaker Replacement](#).
3. Remove the water deflector.



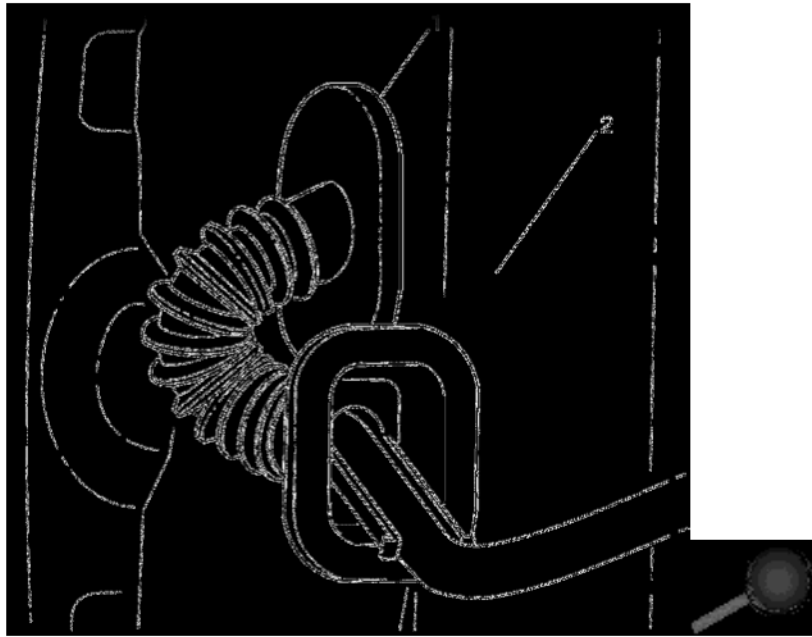
4. Disconnect the window regulator electrical connector (1).



5. Disconnect the door latch electrical connector (1).

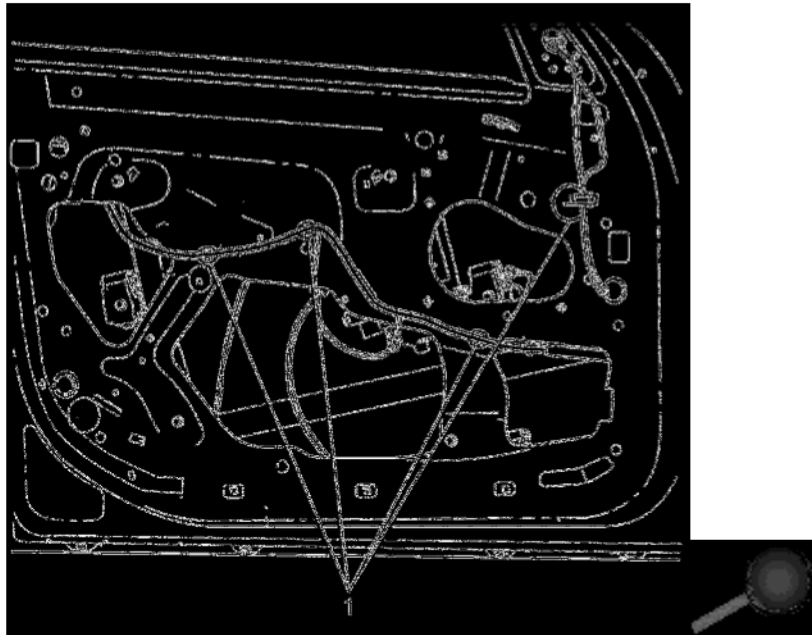


6. Disconnect the outside rearview mirror electrical connector (1).



Note: Pull the rubber conduit (1) from the pillar (2) to expose the door to body wiring harness plug.

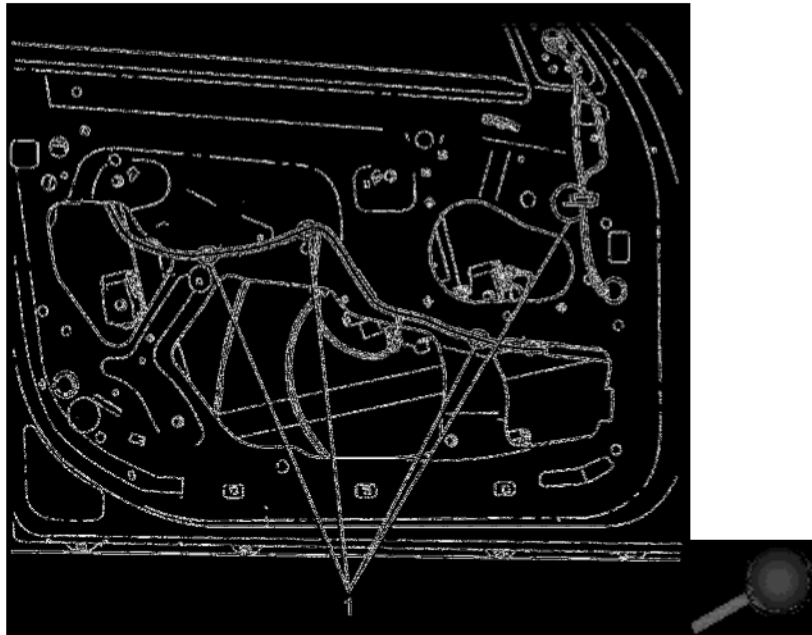
7. Remove the rubber conduit (1) from the from the pillar (2).
8. Disconnect the door wiring harness from the body wiring harness.
9. Push the wiring harness grommet and connector into the door cavity.



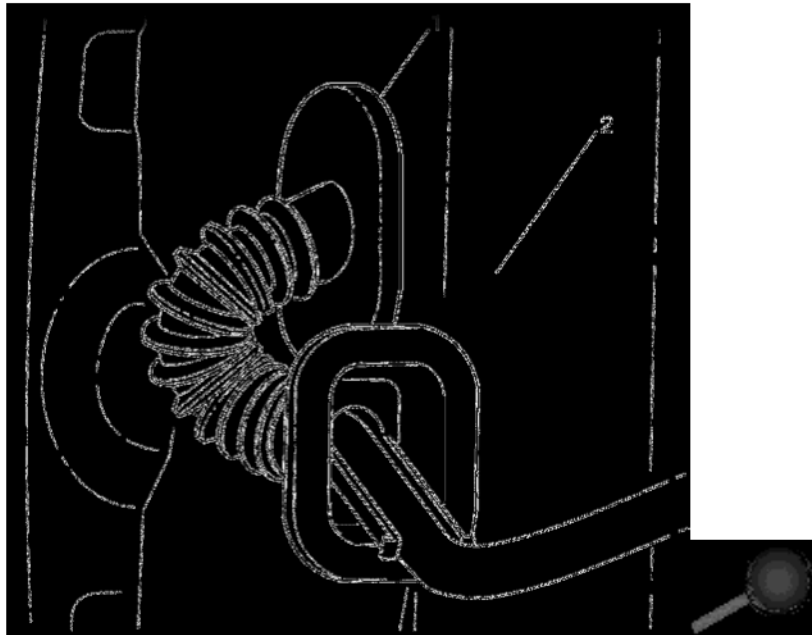
10. Disconnect the retainers securing the wiring harness (1) to the door.
11. Remove the wiring harness from the door.

Installation Procedure

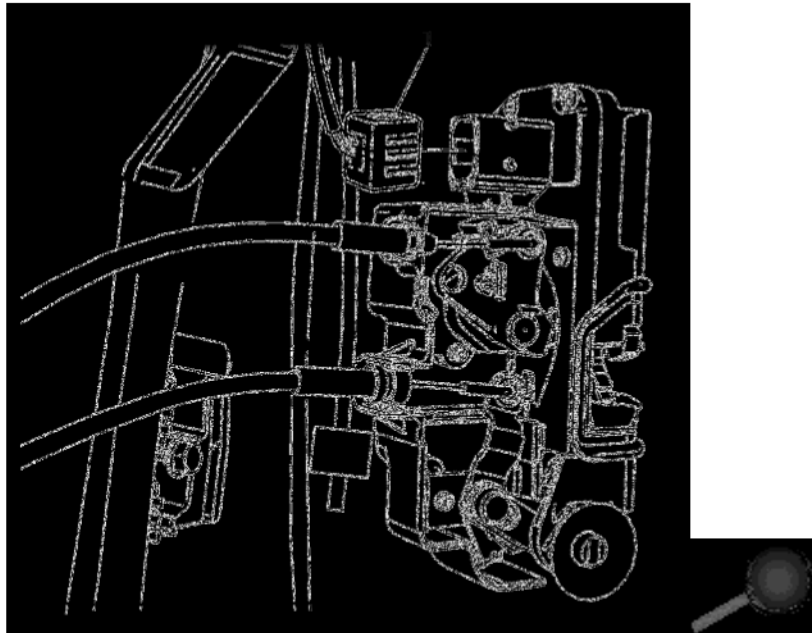
1. Position the door wiring harness into the door cavity.



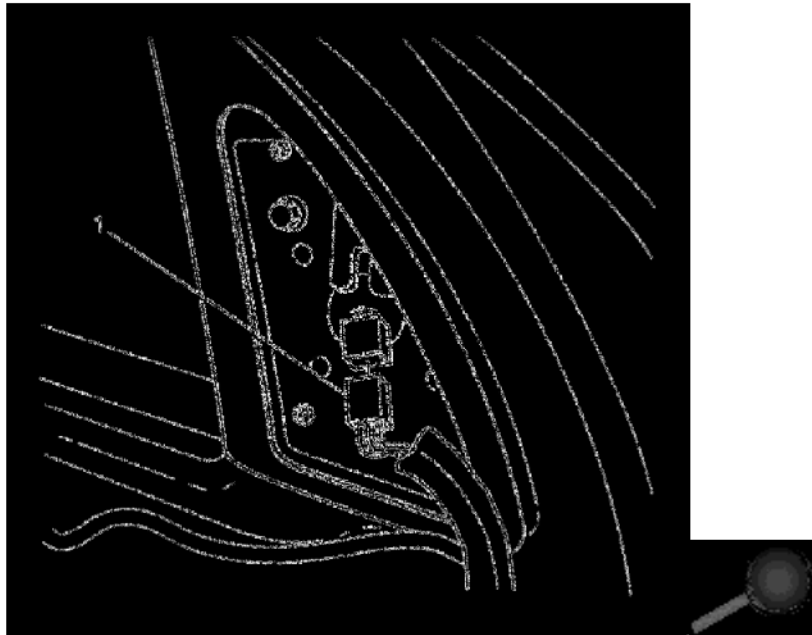
2. Connect the wiring harness retainers (1) to the door.
3. Feed the door trim connectors through the door.
4. Connect the door wiring harness to body wiring harness electrical connector.



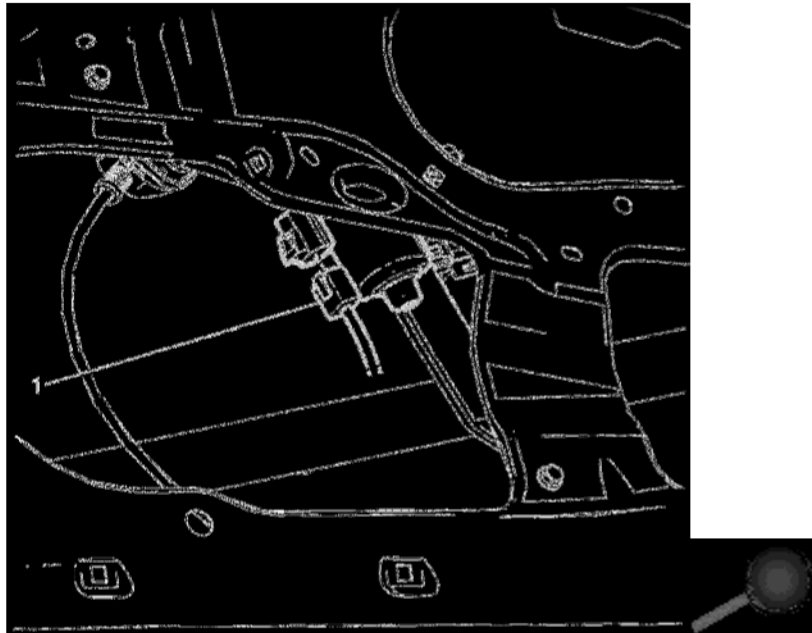
5. Install the rubber conduit (1) to the pillar (2).



6. Connect the door latch electrical connector (1).



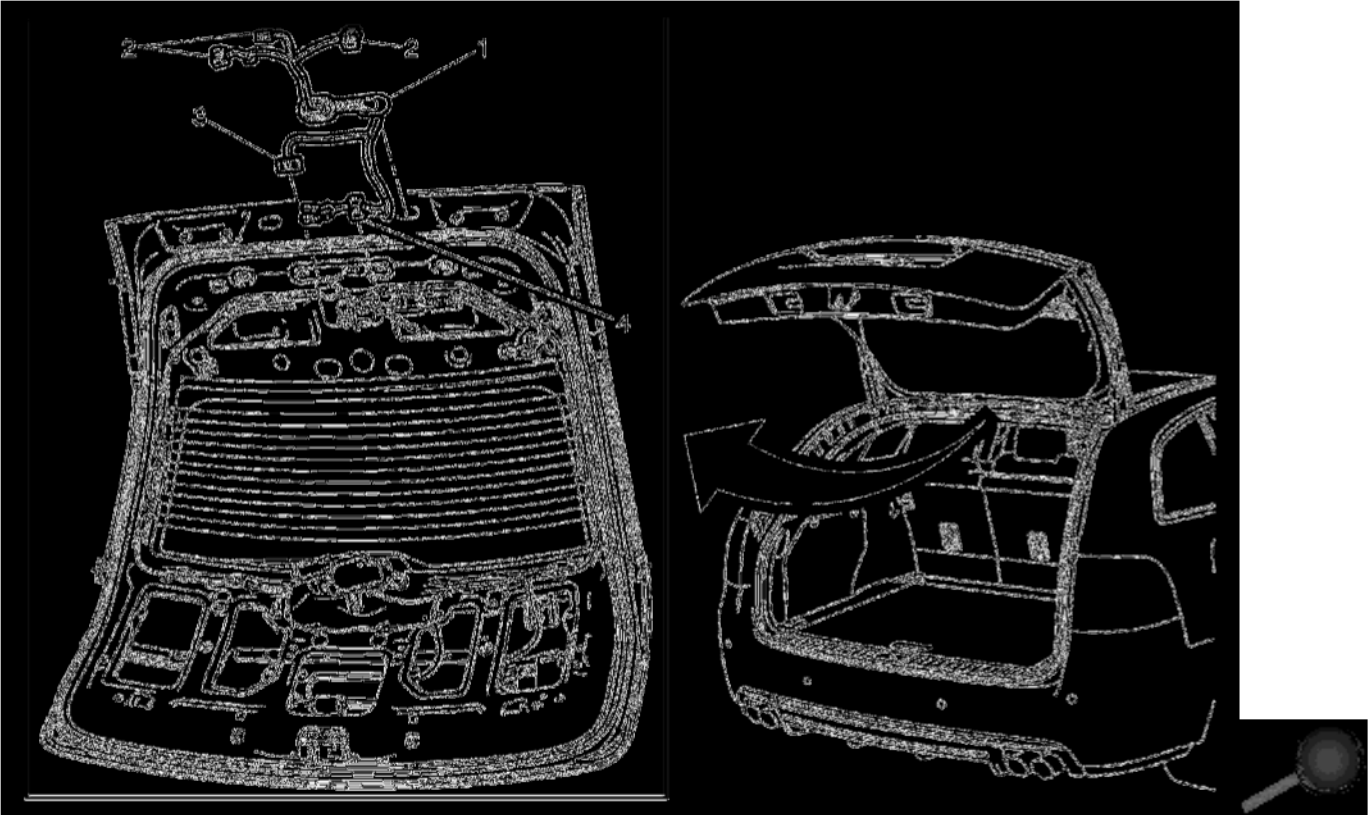
7. Connect the outside rearview mirror electrical connector (1).



8. Connect the window regulator electrical connector (1).

9. Install the water deflector.
10. Install the speaker. Refer to [Radio Front Side Door Speaker Replacement](#).
11. Install the door trim. Refer to [Front Side Door Trim Replacement](#).

Liftgate Wiring Harness Replacement (Sportwagon)



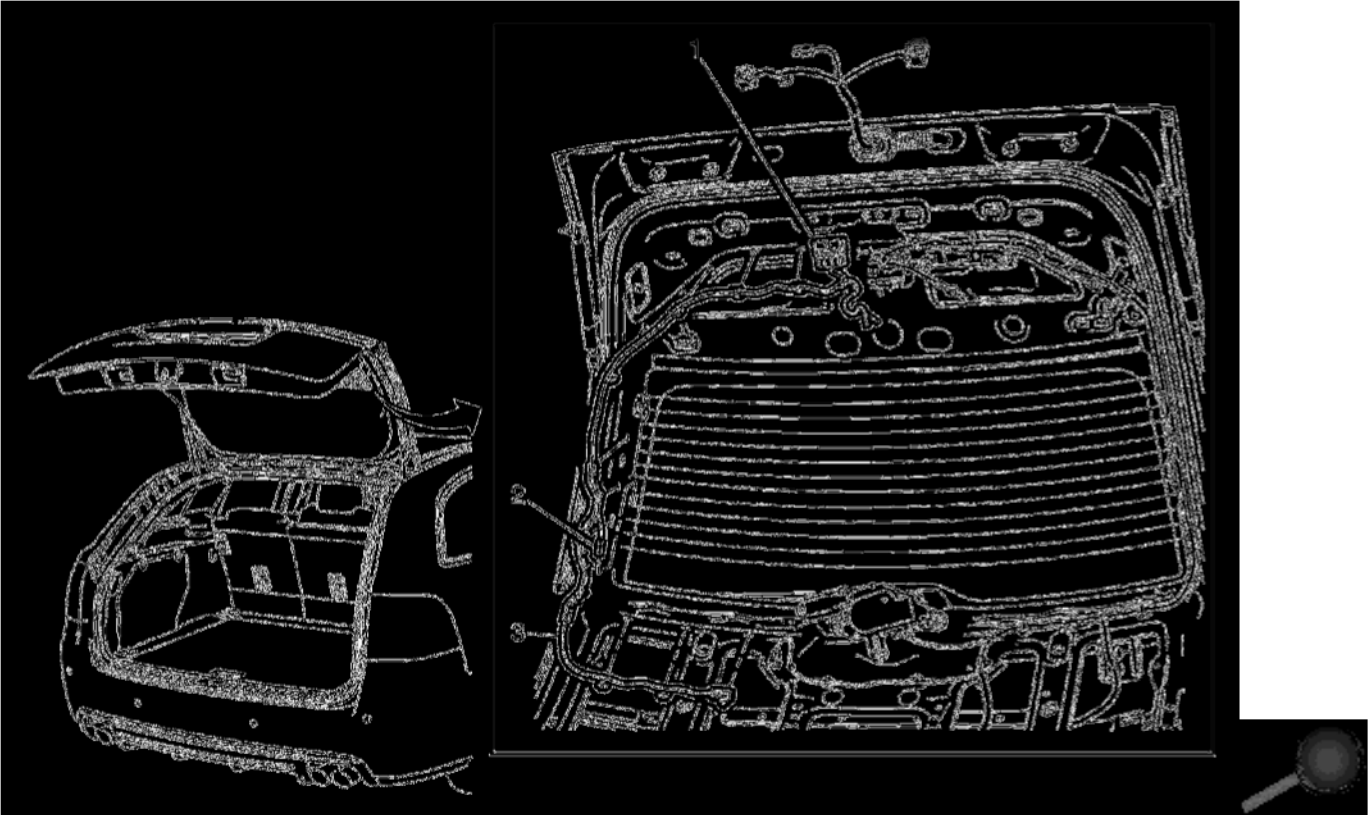
Liftgate Wiring Harness Replacement

Callout	Component Name
Preliminary Procedures	
1. Disconnect the negative battery cable. Refer to Battery Negative Cable Disconnection and Connection	
2. Remove the lower liftgate trim finish panel. Refer to Liftgate Lower Trim Finish Panel Replacement .	
3. Remove the liftgate upper side trim finish panel. Refer to Liftgate Upper Side Trim Finish Panel Replacement .	

4. Partially loosen the headliner trim panel. Refer to [Headlining Trim Panel Replacement](#).

1	Liftgate Wiring Harness Grommet Procedure Disconnect the grommet from the liftgate and body.
2	Liftgate Wiring Harness Connector (Qty 3) Procedure Disconnect the Three liftgate wiring harness connector to body harness connectors.
3	Liftgate Wiring Harness Connector Right Hand Harness Procedure Disconnect the liftgate wiring harness connector to Right hand liftgate harness.
4	Liftgate Wiring Harness Connector Left Hand Harness Procedure Disconnect the liftgate wiring harness connector to left hand liftgate harness.

Liftgate Wiring Harness Replacement - Right Side (Sportwagon)

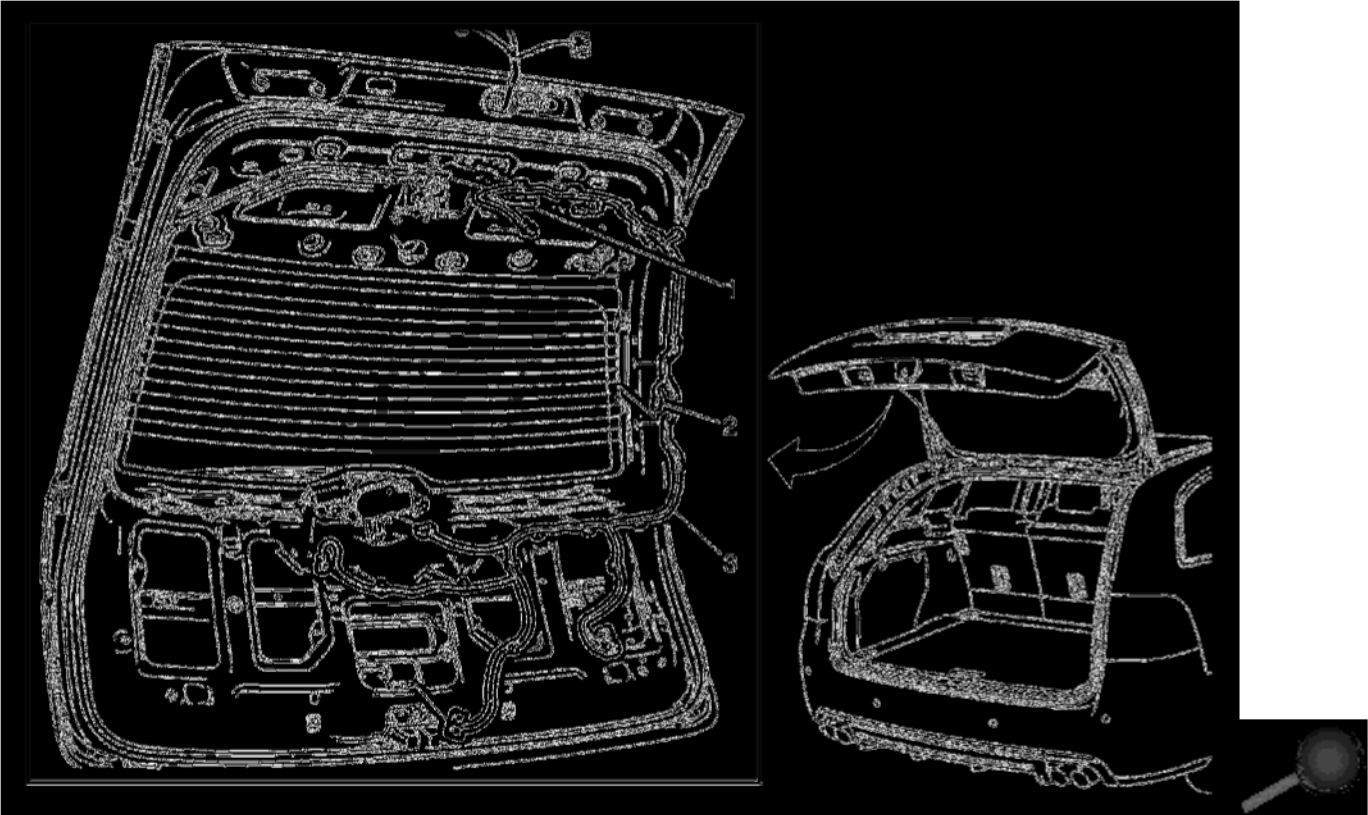


Liftgate Wiring Harness Replacement - Right Side

Callout	Component Name
Preliminary Procedures	
1. Disconnect the negative battery cable. Refer to Battery Negative Cable Disconnection and Connection	
2. Remove the lower liftgate trim finish panel. Refer to Liftgate Lower Trim Finish Panel Replacement .	
3. Remove the liftgate upper side trim finish panel. Refer to Liftgate Upper Side Trim Finish Panel Replacement .	

1	Liftgate Wiring Harness Connector Procedure Disconnect the connector to the liftgate wiring harness.
2	Liftgate Wiring Harness Connector Procedure Disconnect the liftgate wiring harness right side connector to rear window defogger.
3	Liftgate Wiring Harness Right Side Procedure Disconnect the liftgate wiring harness right side retainers.

Liftgate Wiring Harness Replacement - Left Side (Sportwagon)



Liftgate Wiring Harness Replacement - Left Side

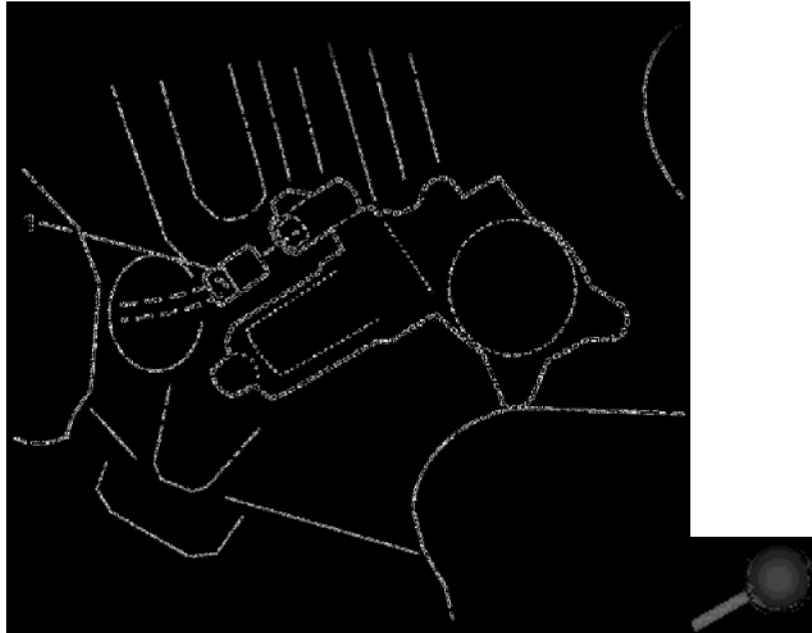
Callout	Component Name
Preliminary Procedures	
1. Disconnect the negative battery cable. Refer to Battery Negative Cable Disconnection and Connection	
2. Remove the lower liftgate trim finish panel. Refer to Liftgate Lower Trim Finish Panel Replacement .	
3. Remove the liftgate upper side trim finish panel. Refer to Liftgate Upper Side Trim Finish Panel Replacement .	

1	Liftgate Wiring Harness Connector Procedure Disconnect the connector to the liftgate wiring harness.
2	Liftgate Wiring Harness Connector Procedure Disconnect the liftgate wiring harness left side connector to rear window defogger.
3	Liftgate Wiring Harness Left Side Procedure 1. Disconnect the rear window wiper motor connector. 2. Disconnect the rear liftgate latch connector. 3. Disconnect the module liftgate connector. 4. Disconnect the connector to the right side liftgate harness. 5. Disconnect the liftgate wiring harness left side retainers. 6. Transfer parts as needed.

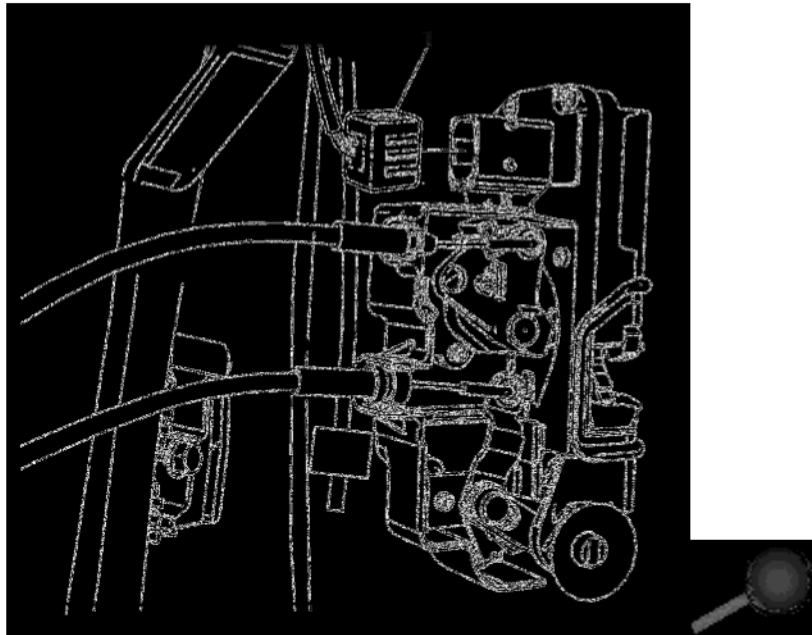
Rear Side Door Wiring Harness Replacement

Removal Procedure

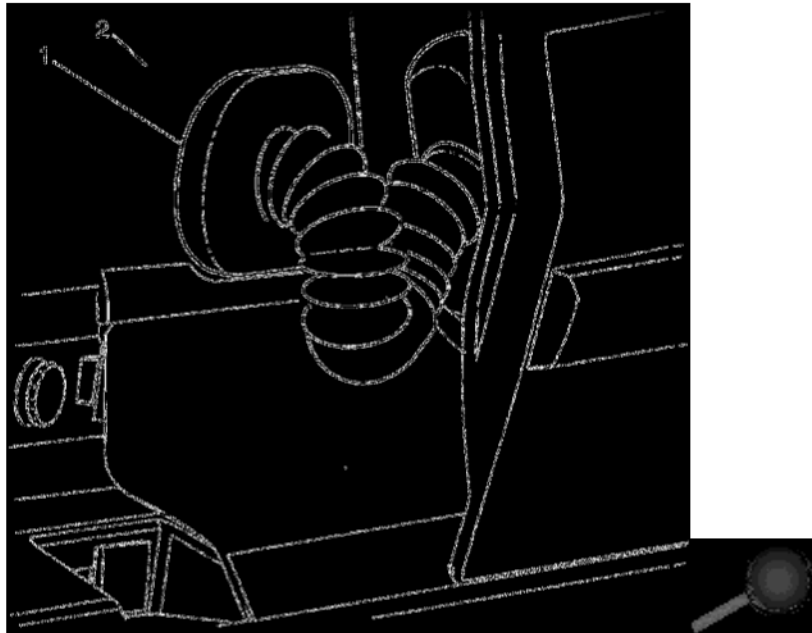
1. Remove the door trim. Refer to [Rear Side Door Trim Replacement](#).
2. Remove the speaker. Refer to [Radio Rear Side Door Speaker Replacement](#).
3. Remove the water deflector.



4. Disconnect the window regulator electrical connector (1).

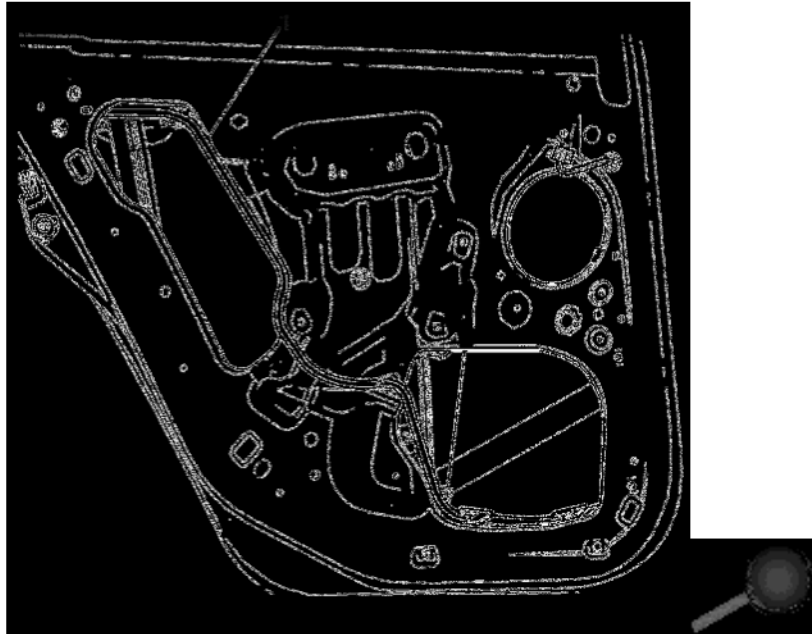


5. Disconnect the door latch electrical connector (1).



Note: Pull the rubber conduit (1) from the pillar (2) to expose the door to body wiring harness plug.

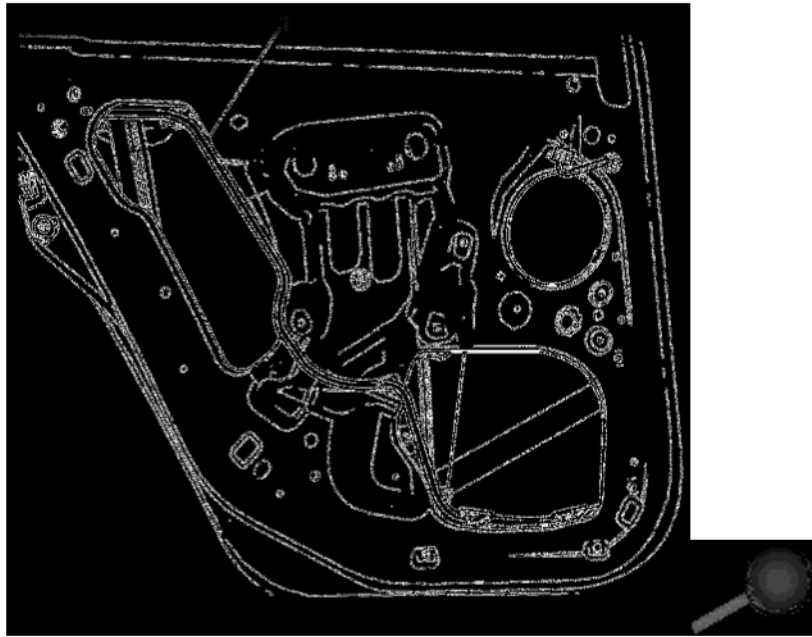
6. Remove the rubber conduit (1) from the from the pillar (2).
7. Disconnect the door wiring harness from the body wiring harness.
8. Push the wiring harness grommet and connector into the door cavity.



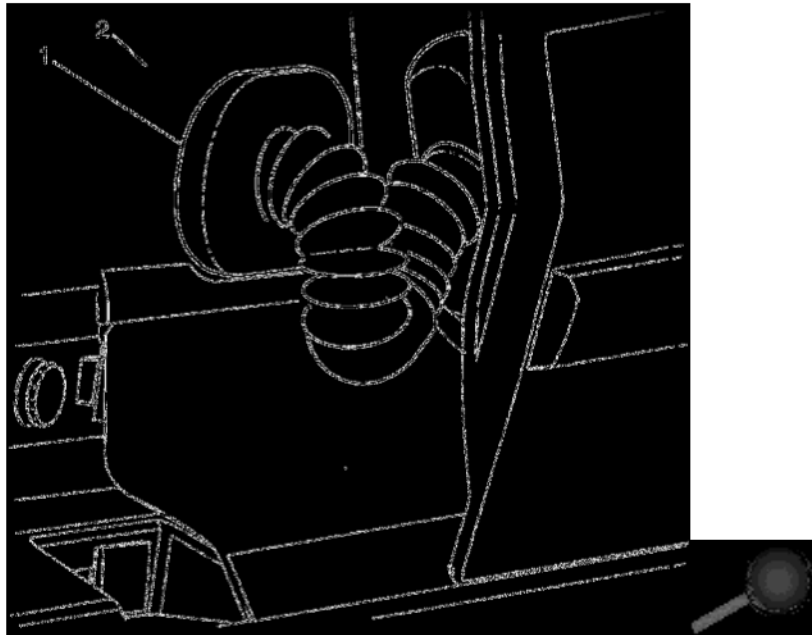
9. Disconnect the retainers securing the wiring harness (1) to the door.
10. Remove the wiring harness (1) from the door.

Installation Procedure

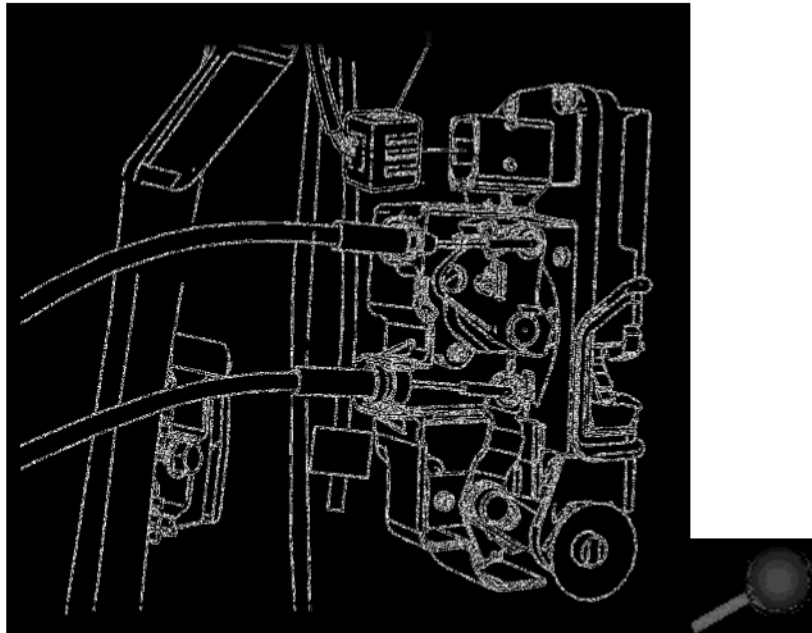
1. Position the door wiring harness into the door cavity.



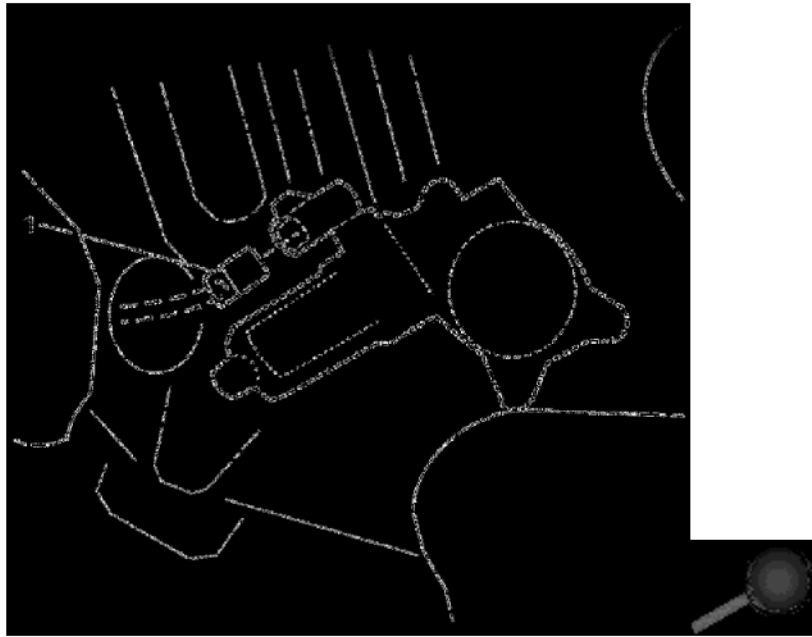
2. Connect the wiring harness (1) retainers to the door.
3. Feed the door trim connectors through the door.
4. Connect the door wiring harness to body wiring harness electrical connector.



5. Install the rubber conduit (1) to the pillar (2).

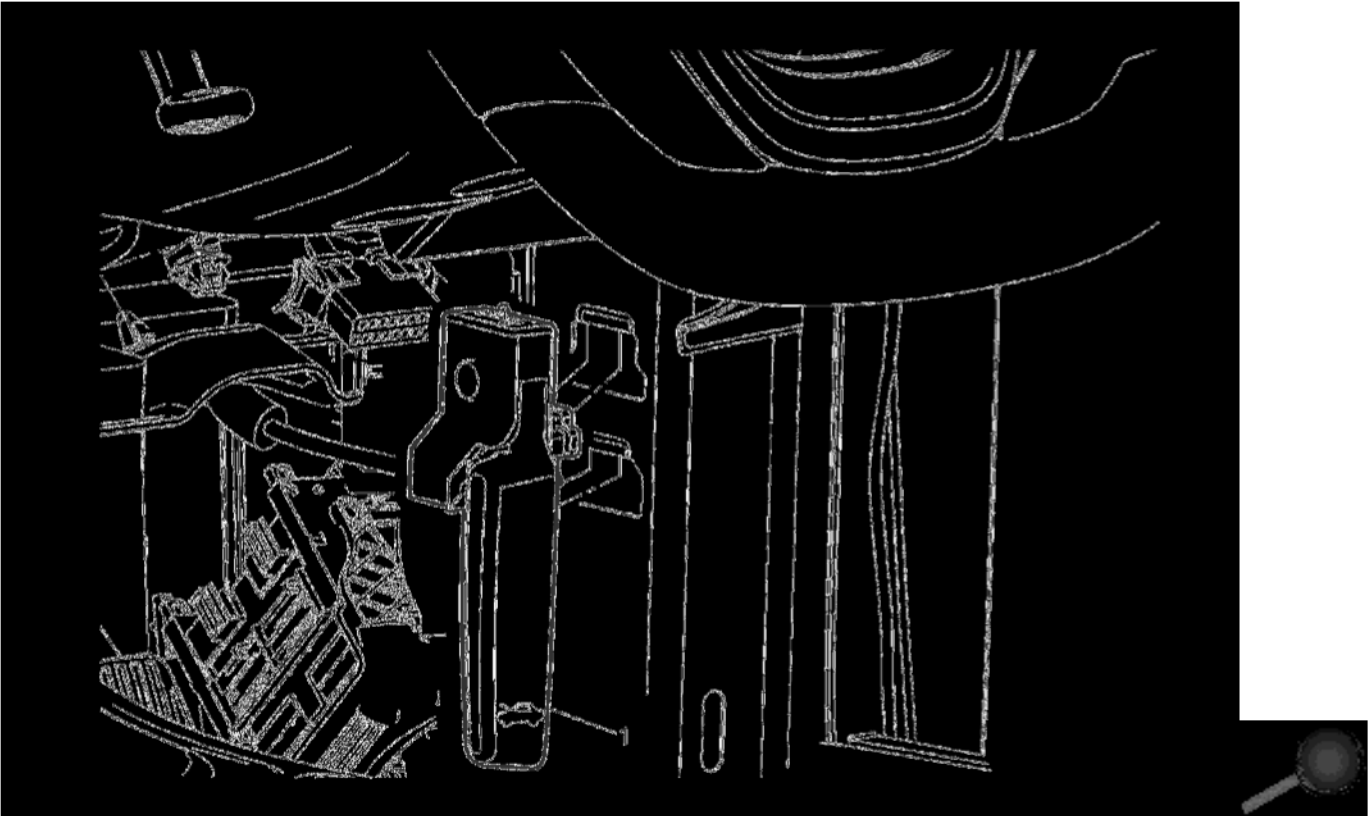


6. Connect the door latch electrical connector (1).



7. Connect the window regulator electrical connector (1).
8. Install the water deflector.
9. Install the speaker. Refer to [Radio Rear Side Door Speaker Replacement](#).
10. Install the door trim. Refer to [Rear Side Door Trim Replacement](#).

Hood Primary Latch Release Cable Handle Replacement

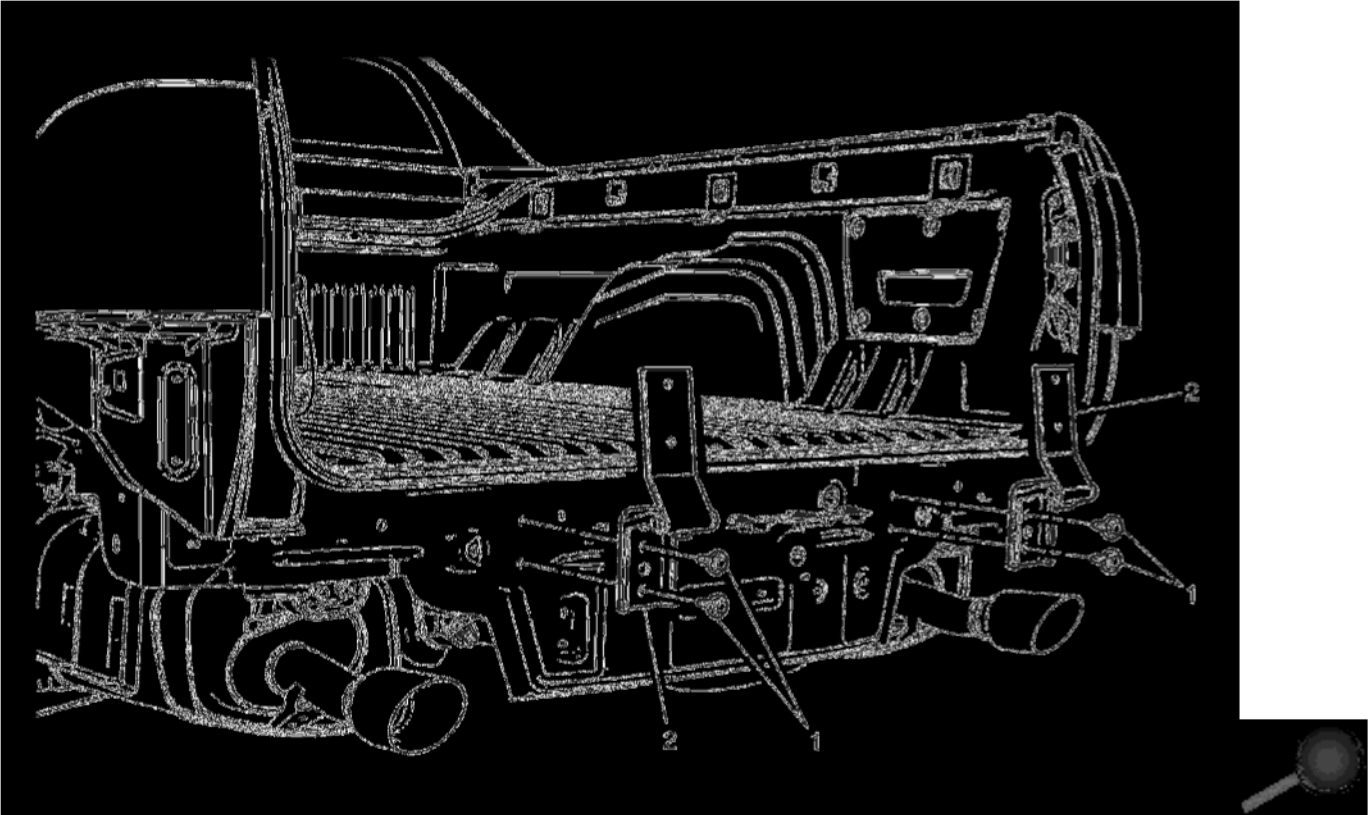


Hood Primary Latch Release Cable Handle Replacement

Callout	Component Name
1	Hood Primary Latch Release Cable Handle Procedure © 2014 General Motors. All rights reserved. 1. Press the release cable handle downward and pull outward to release the retainers from the instrument panel bracket.

2. Disconnect the hood release cable from the hood release handle.

Endgate Hinge Replacement

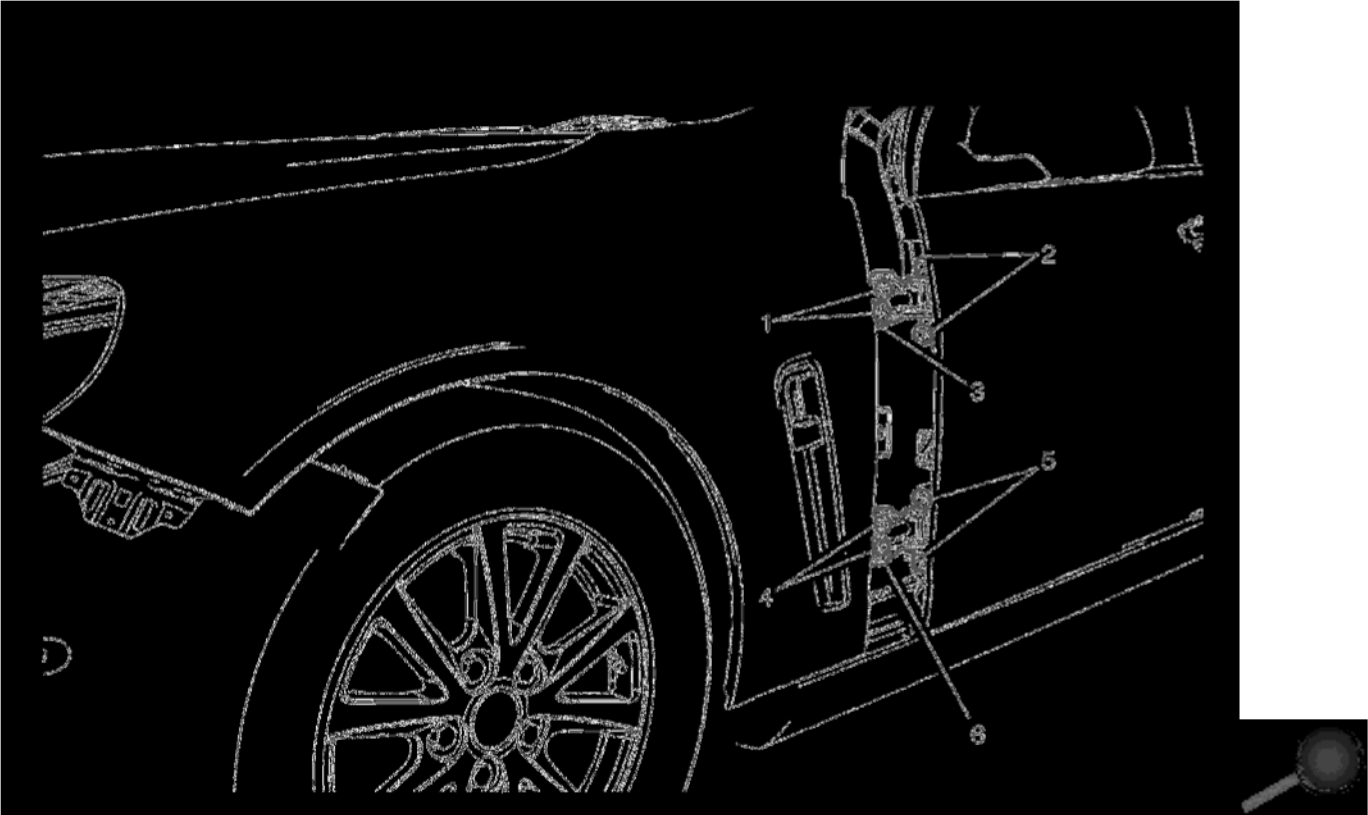


Endgate Hinge Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the pickup box endgate. Refer to Endgate Replacement .	
2. Remove the rear bumper fascia. Refer to Rear Bumper Fascia Replacement .	

1	Endgate Hinge Bolt (Qty: 4) Caution: Refer to Fastener Caution . Tighten 22 N•m (16 lb ft)
2	Endgate Hinge Note: If necessary, adjust the hinges. Refer to Endgate Adjustment .

Front Side Door Upper Hinge and Lower Hinge Replacement (Short Wheelbase)

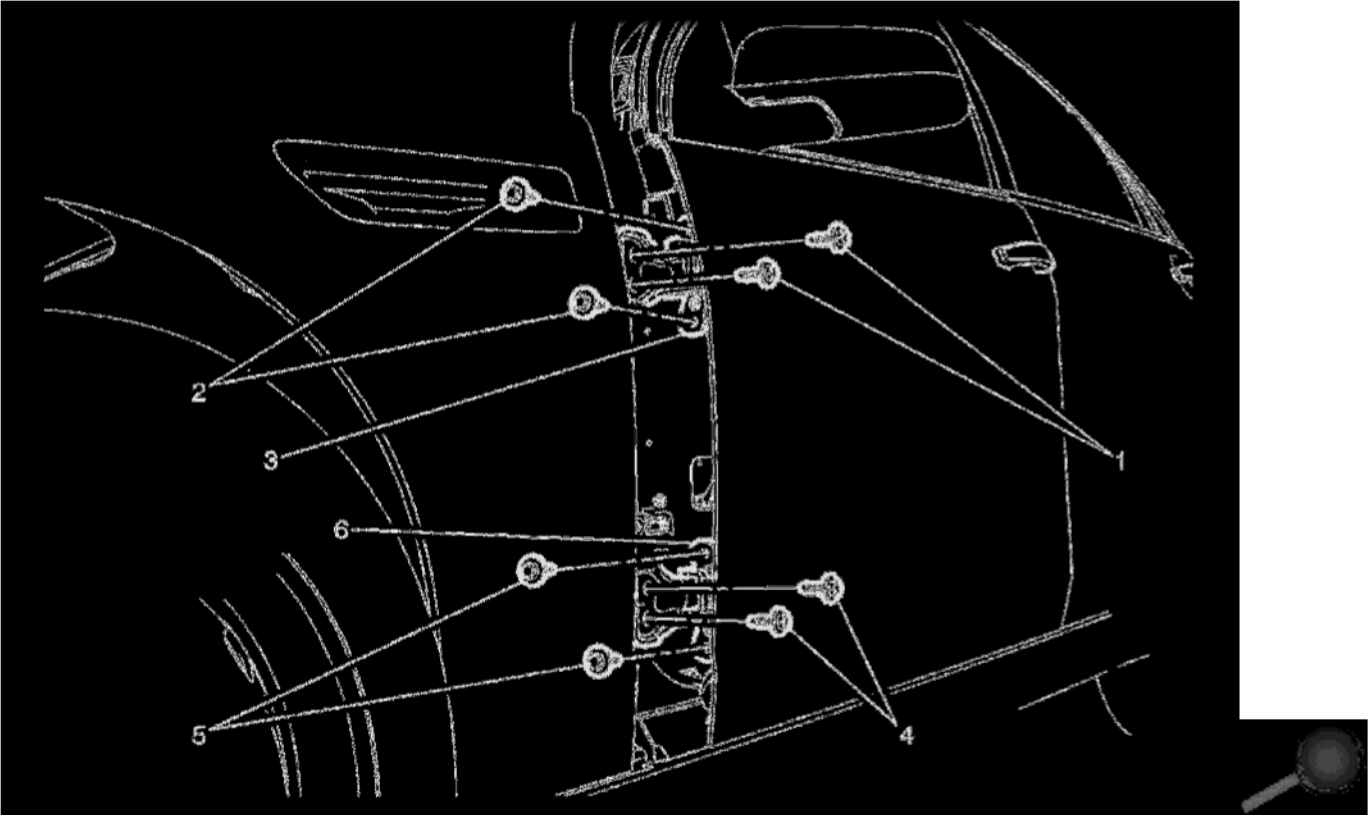


Front Side Door Upper Hinge and Lower Hinge Replacement

Callout	Component Name
Preliminary Procedures	
1. Mark the location of the hinge before removing the bolts with a grease pencil. reserved.	
2. Remove the front wheelhouse liner. Refer to Front Wheelhouse Liner Replacement .	

1	Front Side Door Upper Hinge to Body Bolt (Qty: 2) Caution: Refer to Fastener Caution. Procedures 1. Before removing the door, apply a double layer of masking tape around the perimeter of the painted surfaces. 2. Support the door before removing the hinge bolts. Tighten 28 N•m (21 lb ft)
2	Front Side Door Upper Hinge to Door Bolt (Qty: 2) Tighten 28 N•m (21 lb ft)
3	Front Side Door Upper Hinge
4	Front Side Door Lower Hinge to Body Bolt (Qty: 2) Tighten 28 N•m (21 lb ft)
5	Front Side Door Lower Hinge to Door Bolt (Qty: 2) Tighten 28 N•m (21 lb ft)
6	Front Side Door Lower Hinge Procedure 1. If the door striker needs adjust. Refer to Front Side Door Lock Striker Adjustment. 2. Front door adjustment. Refer to Front Side Door Adjustment. Note: Inspect the door for proper operation.

Front Side Door Upper Hinge and Lower Hinge Replacement (Long Wheelbase)

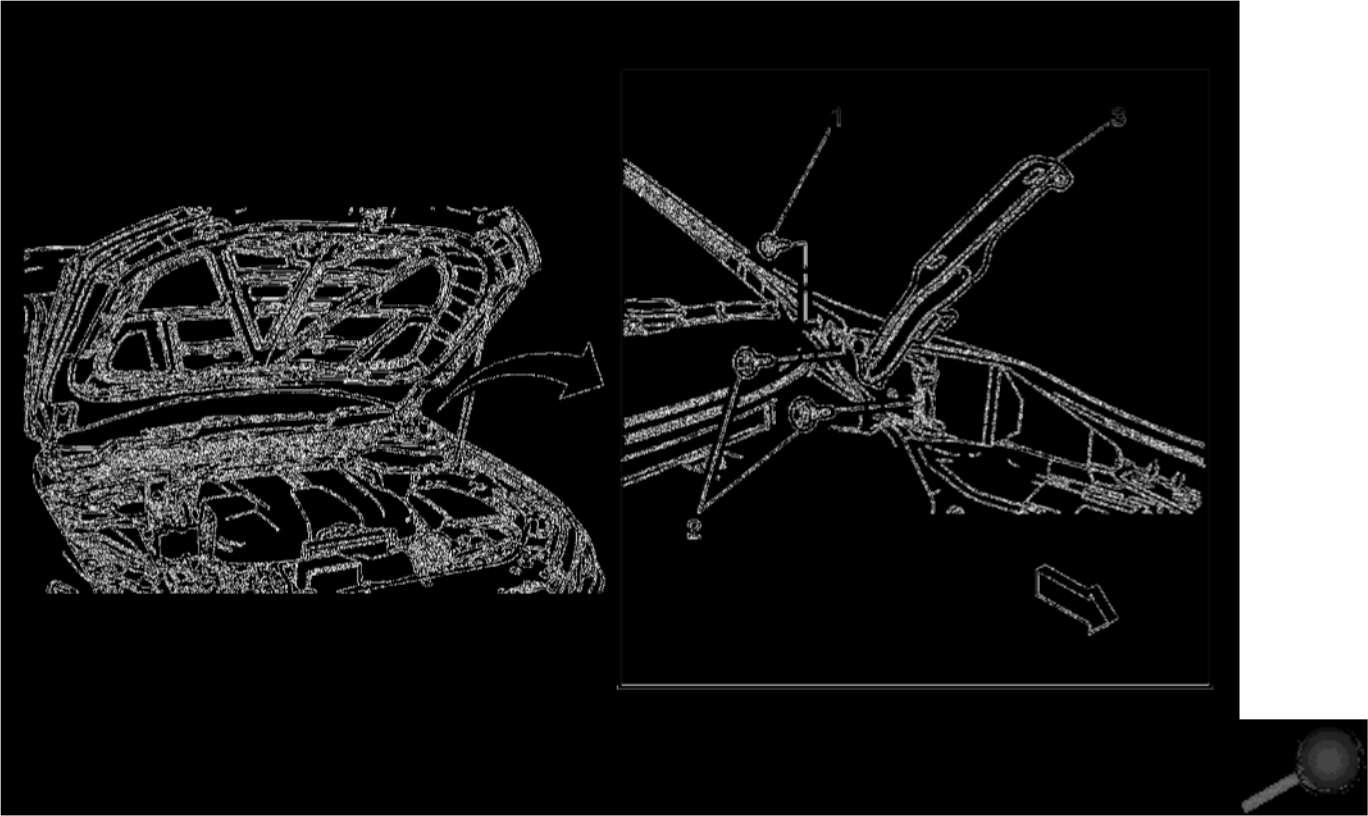


Front Side Door Upper Hinge and Lower Hinge Replacement

Callout	Component Name
Preliminary Procedures	
1. Mark the location of the hinge before removing the bolts with a grease pencil. reserved.	
2. Remove the front wheelhouse liner. Refer to Front Wheelhouse Liner Replacement .	

1	Front Side Door Upper Hinge to Body Bolt (Qty: 2) Caution: Refer to Fastener Caution. Procedures 1. Before removing the door, apply a double layer of masking tape around the perimeter of the painted surfaces. 2. Support the door before removing the hinge bolts. Tighten 28 N•m (21 lb ft)
2	Front Side Door Upper Hinge to Door Bolt (Qty: 2) Tighten 28 N•m (21 lb ft)
3	Front Side Door Upper Hinge
4	Front Side Door Lower Hinge to Body Bolt (Qty: 2) Tighten 28 N•m (21 lb ft)
5	Front Side Door Lower Hinge to Door Bolt (Qty: 2) Tighten 28 N•m (21 lb ft)
6	Front Side Door Lower Hinge Procedure 1. If the door striker needs adjust. Refer to Front Side Door Lock Striker Adjustment. 2. Front door adjustment. Refer to Front Side Door Adjustment. Note: Inspect the door for proper operation.

Hood Hinge Replacement (Short Wheelbase)

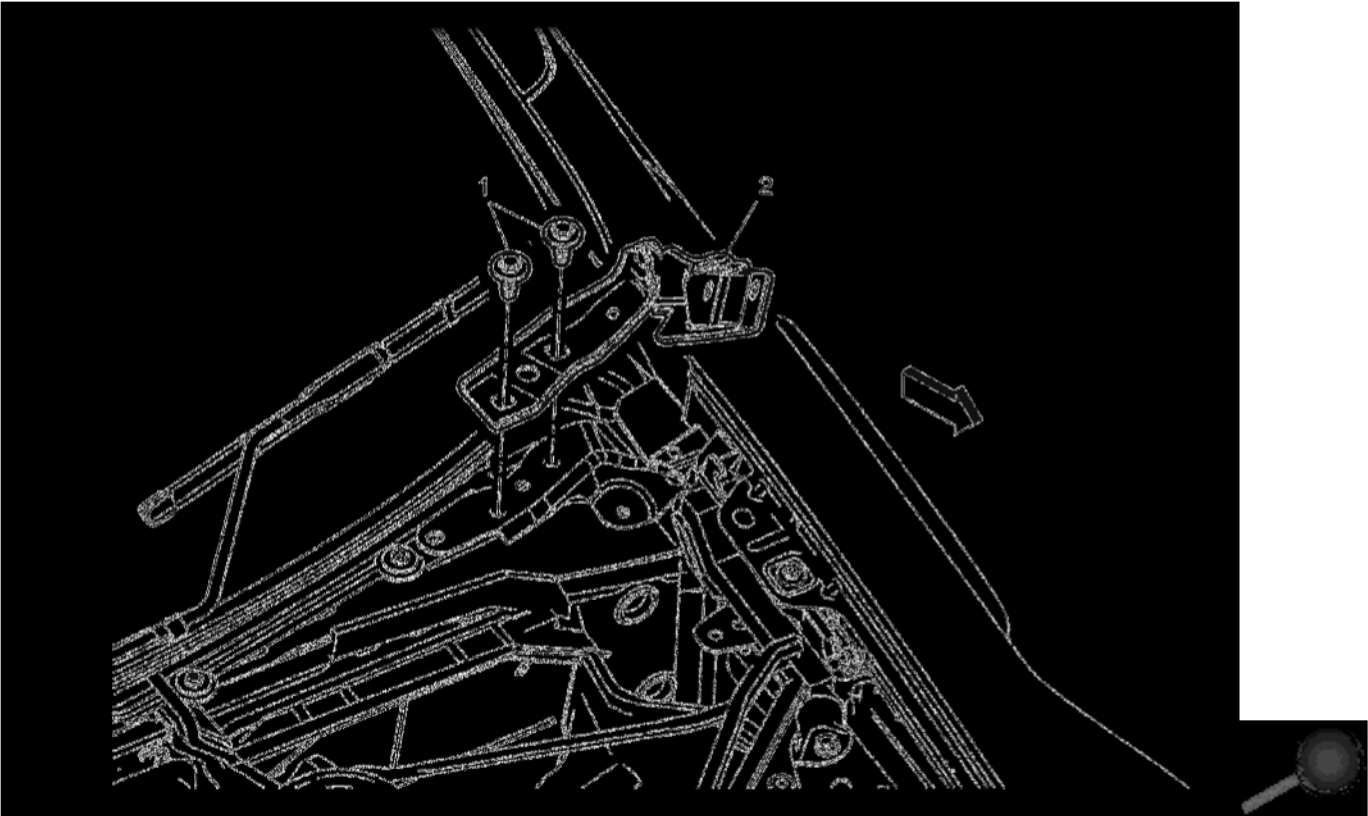


Hood Hinge Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the hood. Refer to Hood Replacement . © 2014 General Motors. All rights reserved.	
2. Remove the windshield side reveal molding. Refer to Windshield Side Reveal Molding Replacement	

1	Fender to Hood Hinge Bolt Caution: Refer to Fastener Caution . Tighten 9 N•m (80 lb in)
2	Hood Hinge Bolt (Qty: 2) Tighten 22 N•m (16 lb ft)
3	Hood Hinge Procedure Adjust the hood and hinge if needed. Refer to Hood Adjustment .

Hood Hinge Replacement (Long Wheelbase)

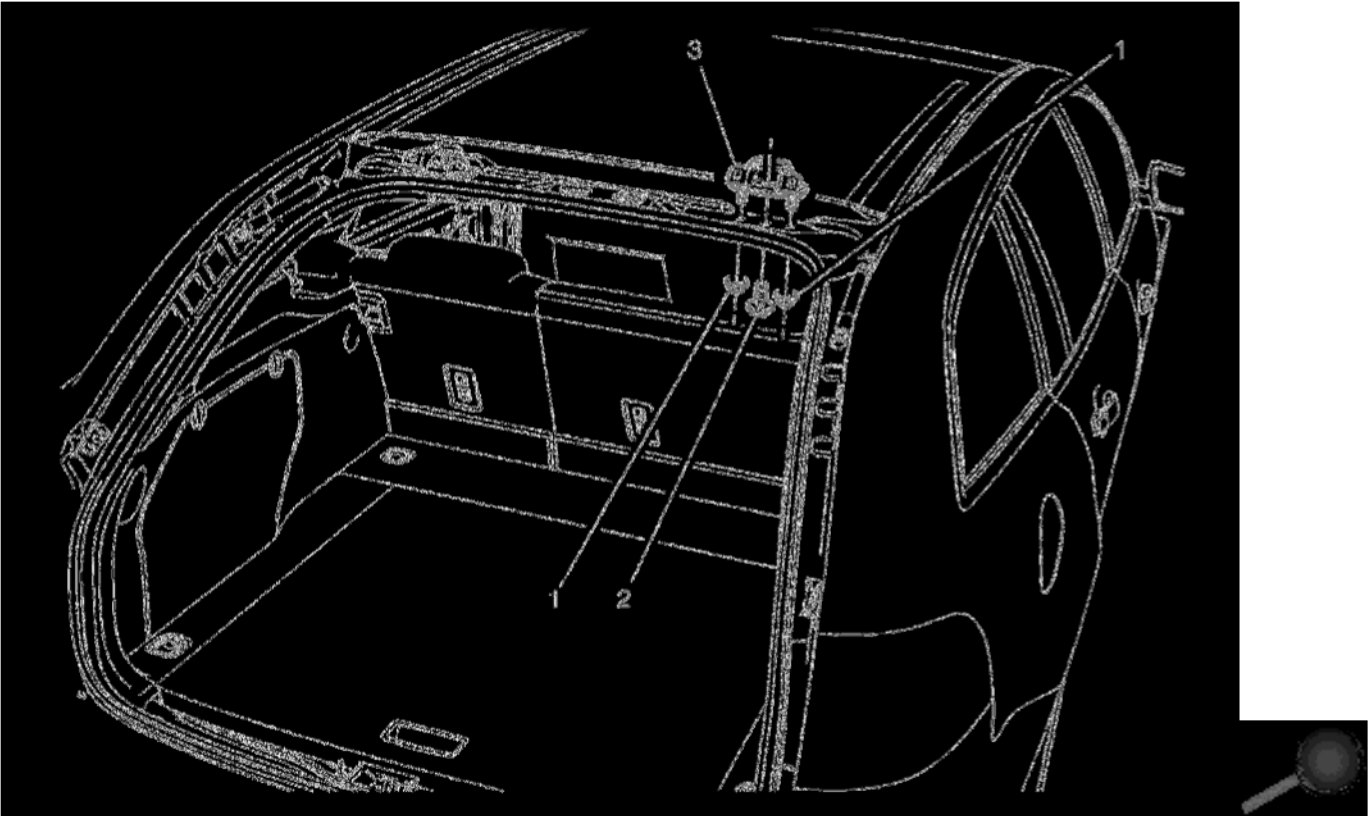


Hood Hinge Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the hood. Refer to Hood Replacement . © 2014 General Motors. All rights reserved.	
2. Remove the air inlet grille panel. Refer to Air Inlet Grille Panel Replacement	

1	Hood Hinge Bolt (Qty: 2) Tighten 22 N•m (16 lb ft)
2	Hood Hinge Procedure Adjust the hood and hinge if needed. Refer to Hood Adjustment .

Liftgate Hinge Replacement

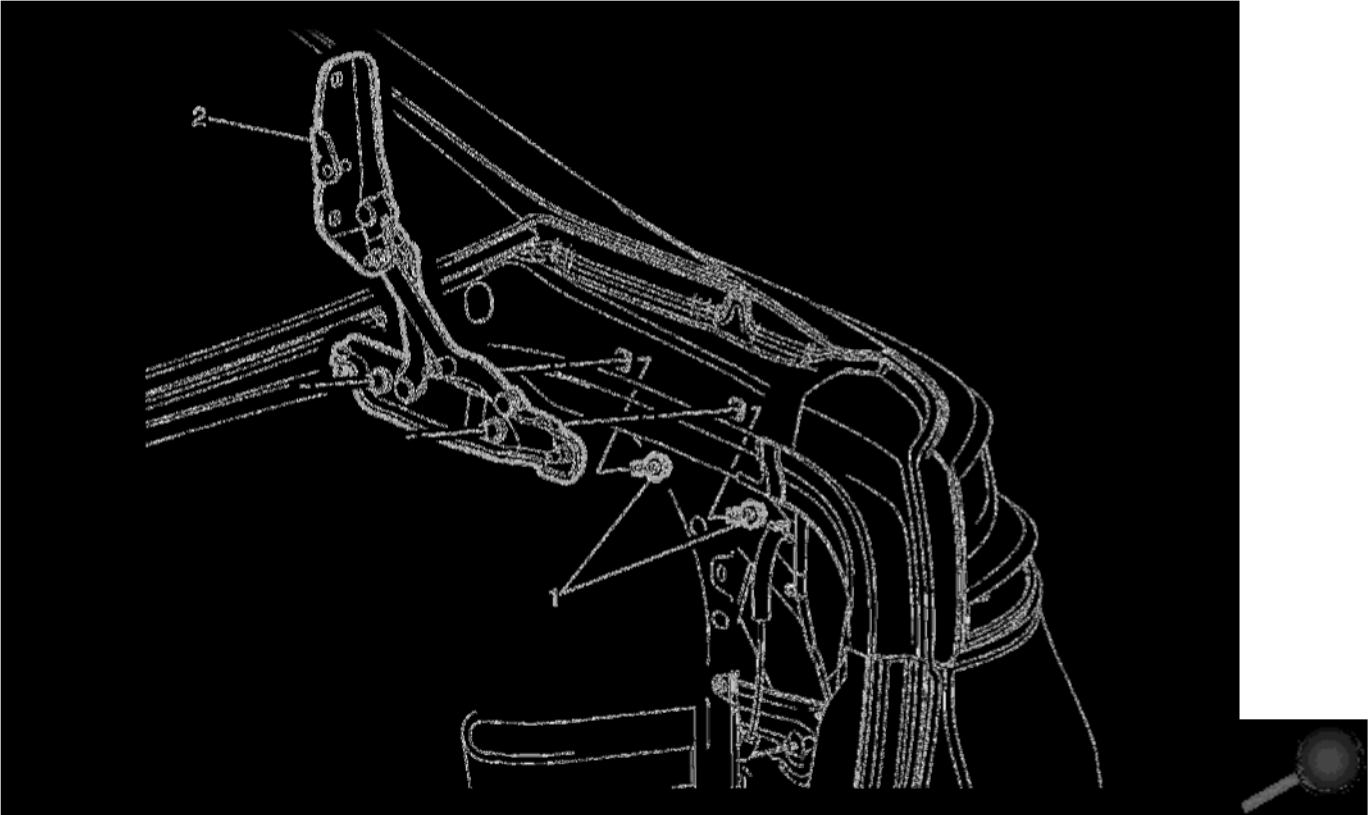


Liftgate Hinge Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the liftgate. Refer to Liftgate Replacement . © 2014 General Motors. All rights reserved.	
2. Lower the rear of the headliner to access the inner bolts. Refer to Headlining Trim Panel Replacement .	
3. Use a grease pencil to mark the liftgate hinge position to the body prior to removal.	

1	Liftgate Hinge Nut (Qty: 2) Caution: Refer to Fastener Caution . Tighten 22 N•m (16 lb ft)
2	Liftgate Hinge Bolt Tighten 58 N•m (43 lb ft)
3	Liftgate Hinge Procedure Adjust the liftgate if needed. Refer to Liftgate Adjustment

Rear Compartment Lid Hinge Replacement (Short Wheelbase)

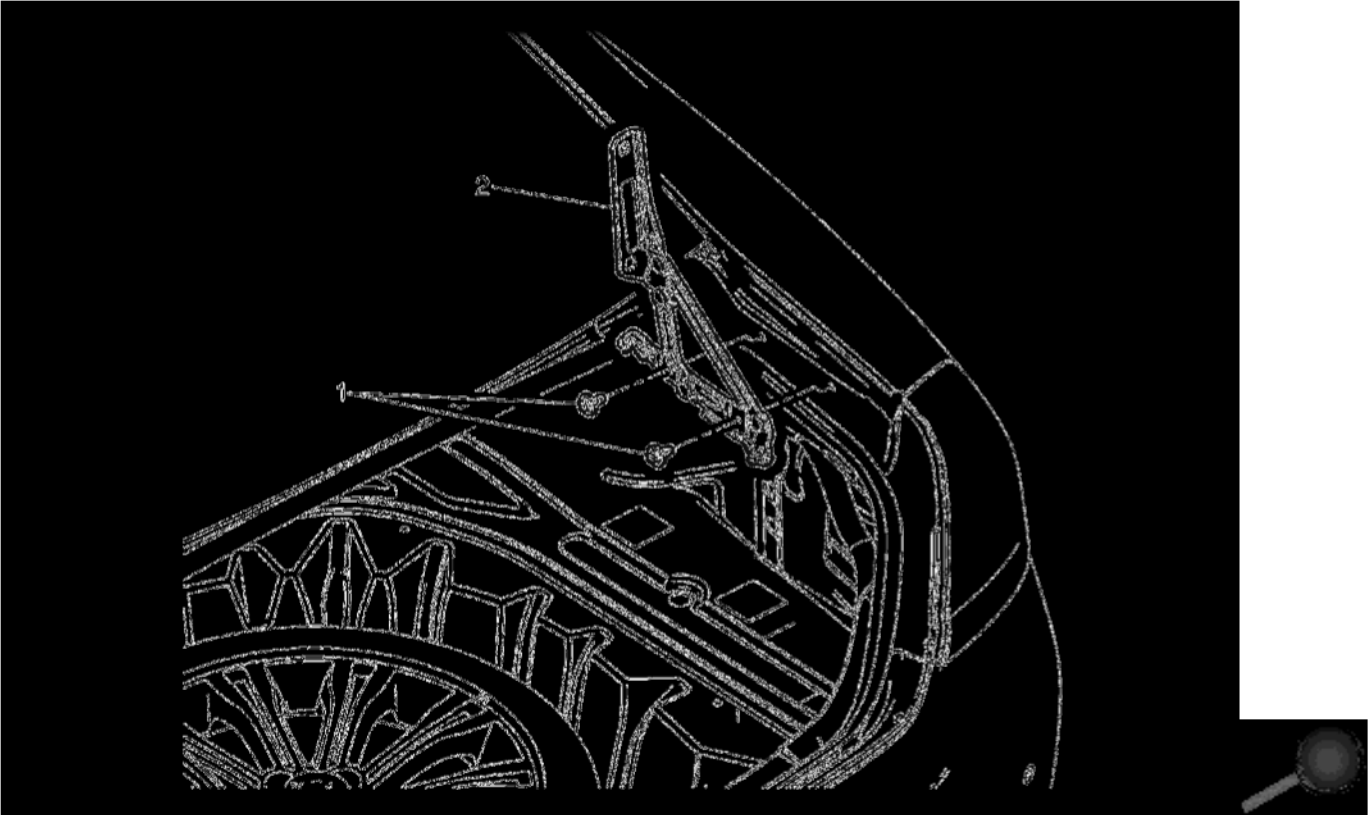


Rear Compartment Lid Hinge Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the rear compartment lid. Refer to Rear Compartment Lid Replacement .	
2. Remove the rear compartment lid hinge spring. Refer to Rear Compartment Lid Hinge Spring Replacement .	
3. Remove the rear compartment lid strut. Refer to Rear Compartment Lid Strut Replacement .	

1	Rear Compartment Lid Hinge Bolt (Qty: 4) Caution: Refer to Fastener Caution . Tighten 22 N•m (16 lb ft)
2	Rear Compartment Lid Hinge Procedure 1. Remove the rear compartment lid with the aid of an assistant. 2. Adjust the rear compartment lid if needed. Refer to Rear Compartment Lid Adjustment

Rear Compartment Lid Hinge Replacement (Long Wheelbase)

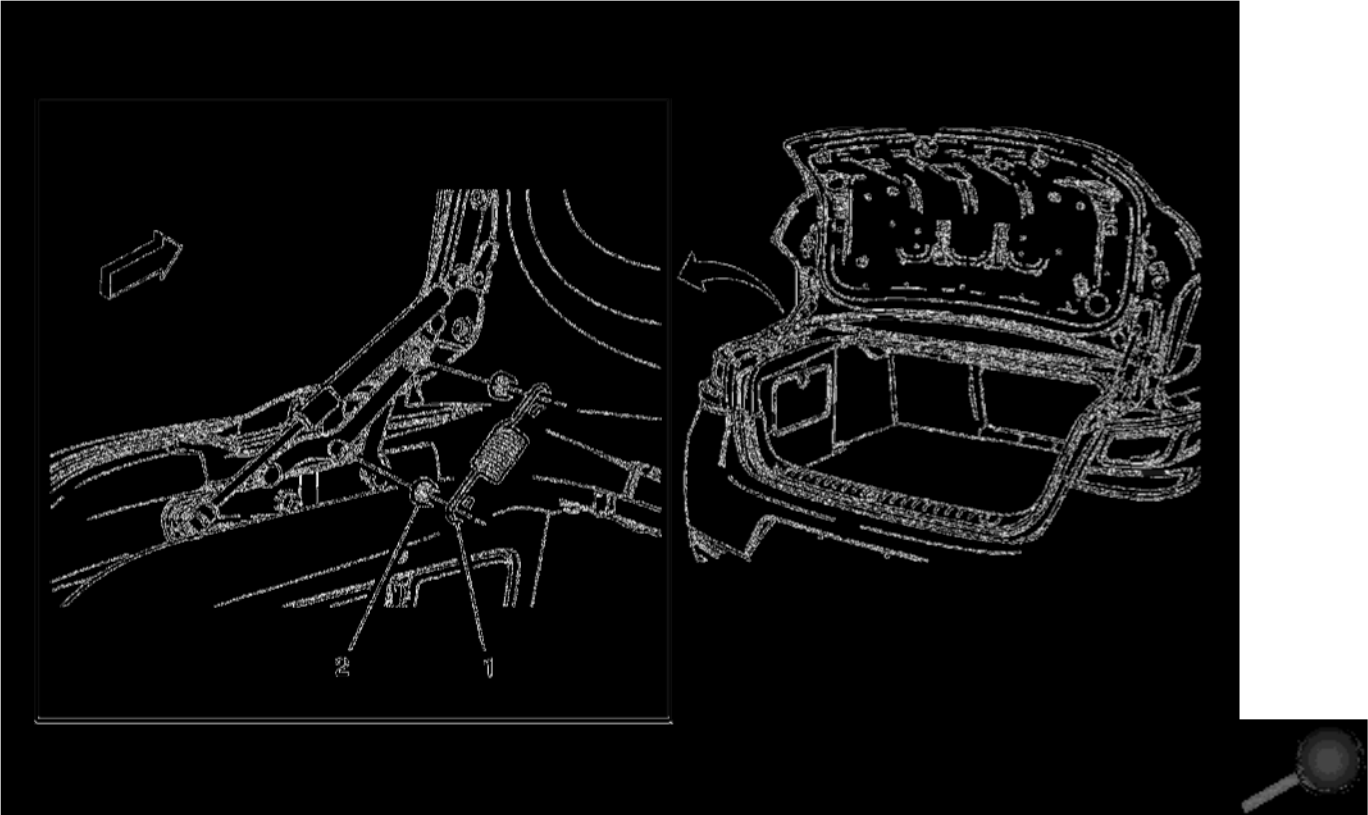


Rear Compartment Lid Hinge Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the rear compartment lid. Refer to Rear Compartment Lid Replacement .	
2. Remove the rear compartment lid hinge spring. Refer to Rear Compartment Lid Hinge Spring Replacement .	
3. Remove the rear compartment lid strut. Refer to Rear Compartment Lid Strut Replacement .	

1	Rear Compartment Lid Hinge Bolt (Qty: 2) Caution: Refer to Fastener Caution . Tighten 22 N•m (16 lb ft)
2	Rear Compartment Lid Hinge Procedure 1. Remove the rear compartment lid with the aid of an assistant. 2. Adjust the rear compartment lid if needed. Refer to Rear Compartment Lid Adjustment

Rear Compartment Lid Hinge Spring Replacement



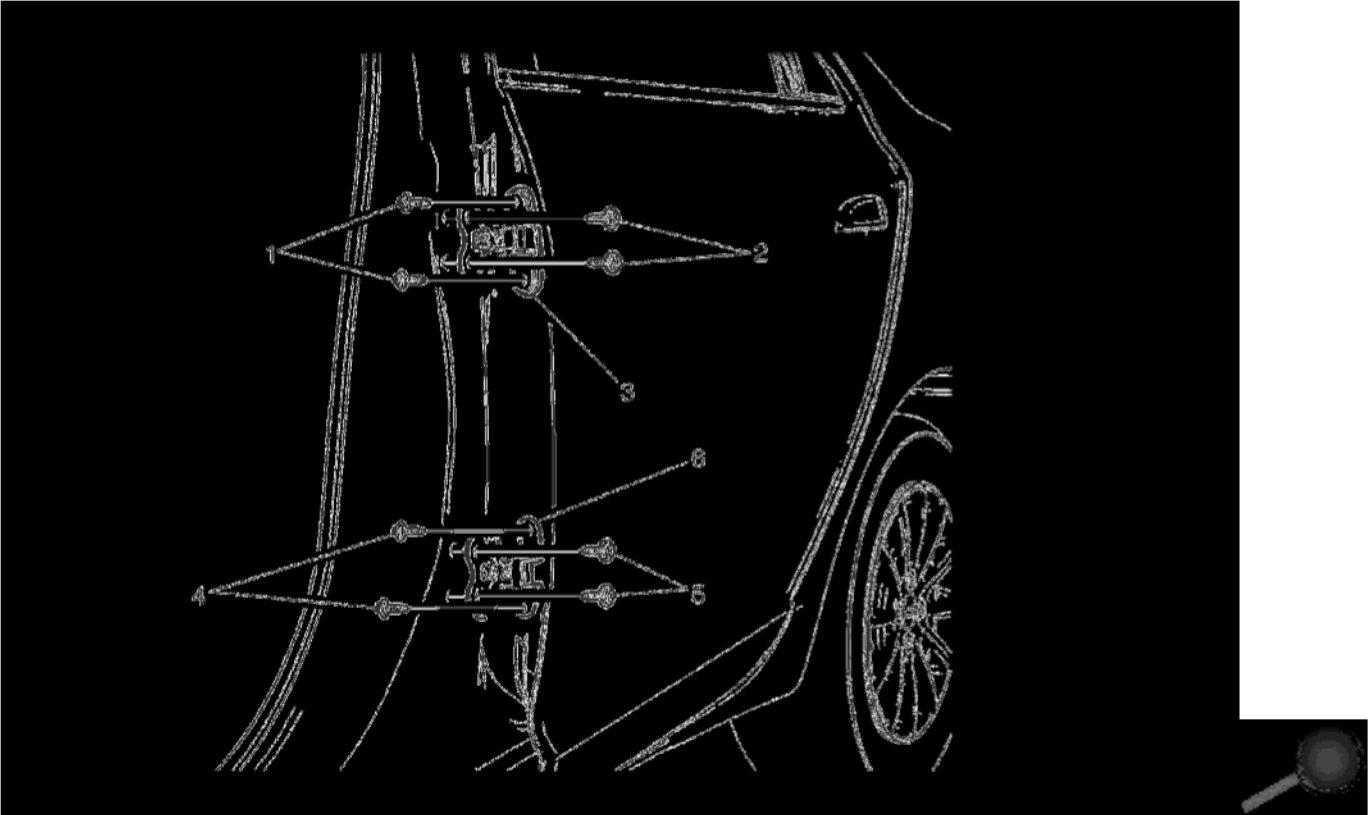
Rear Compartment Lid Hinge Spring Replacement

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. Warning: Refer to Eye Protection Warning. Preliminary Procedures	

1. Remove the rear compartment lid strut. Refer to [Rear Compartment Lid Strut Replacement](#)

1	Rear Compartment Lid Hinge Spring Procedure 1. Pull the rear compartment lid spring downwards and unhook the rear compartment lid spring from the rear compartment lid hinge stud.
2	Rear Compartment Lid Hinge Spring Retainer

Rear Side Door Upper Hinge and Lower Hinge Replacement

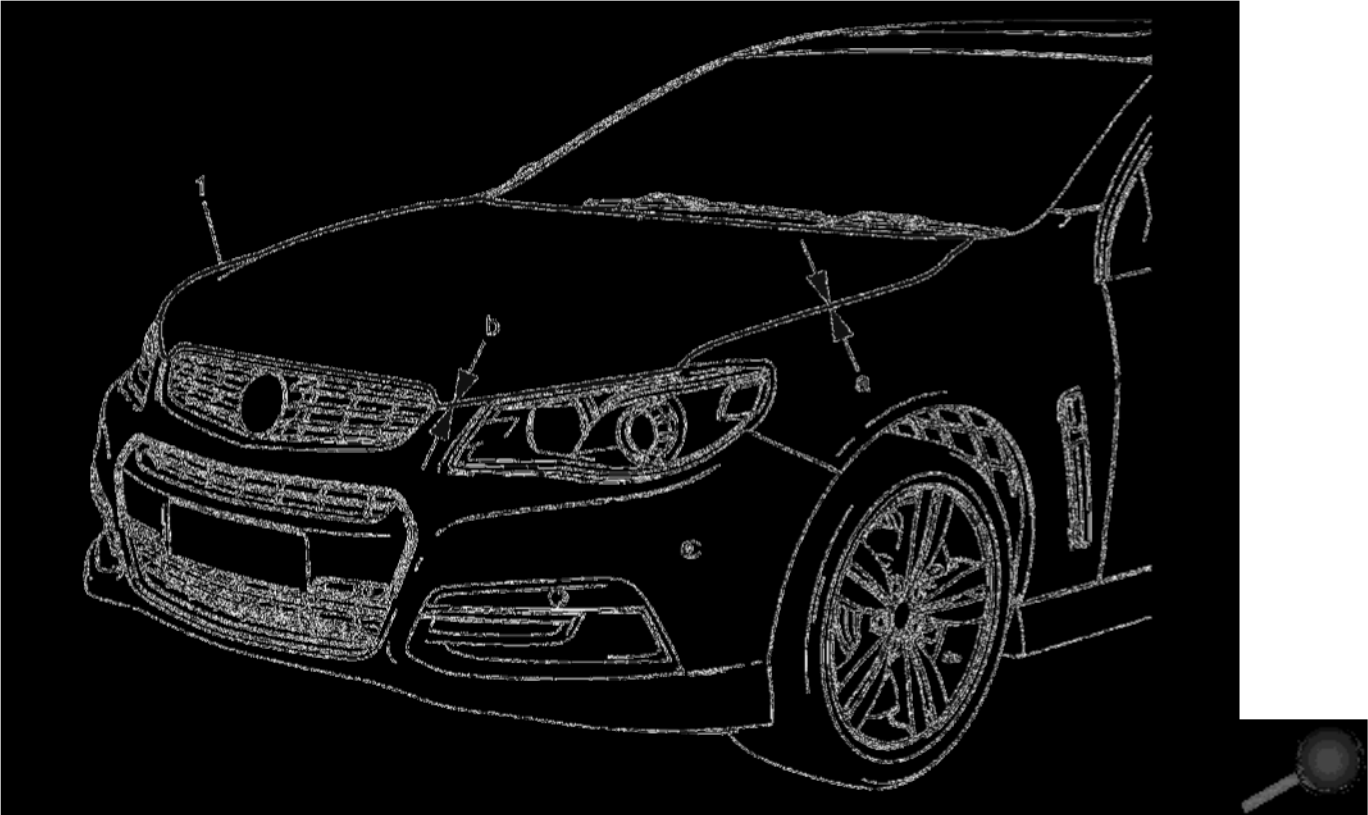


Rear Side Door Upper Hinge and Lower Hinge Replacement

Callout	Component Name
	Rear Side Door Upper Hinge to Door Bolt (Qty: 2) Caution: Refer to Fastener Caution. © 2014 General Motors. All rights reserved. Procedures 1. Before removing the door, apply a double layer of masking tape around the perimeter of the painted surfaces.

1	2. Mark the location of the hinge being removed. 3. Support the door before removing the hinge bolts. Tighten 28 N•m (21 lb ft)
2	Rear Side Door Upper Hinge to Body Bolt (Qty: 2) Tighten 28 N•m (21 lb ft)
3	Rear Side Door Upper Hinge
4	Rear Side Door Lower Hinge to Door Bolt (Qty: 2) Tighten 28 N•m (21 lb ft)
5	Rear Side Door Lower Hinge to Body Bolt (Qty: 2) Tighten 28 N•m (21 lb ft)
6	Rear Side Door Lower Hinge Procedure 1. Rear door adjustment. Refer to Rear Side Door Adjustment. 2. If the door striker needs adjust. Refer to Rear Side Door Lock Striker Adjustment. Note: Inspect the door for proper operation before installing the door trim.

Hood Adjustment (Short Wheelbase)



Hood Adjustment

Callout	Component Name
	Hood Caution: Refer to Fastener Caution. Procedure 1. Install a suitable hood brace to the vehicle.

1

2. Loosen the 4 hood hinge retaining bolts.
3. Loosen the 2 fender to hood hinge retaining bolts.
4. Loosen the 4 hood hinge to hood retaining nuts.
5. Adjust the hood in order to obtain an even gap on both sides between the hood and the fenders and the front bumper fascia. Also confirm that the hood is flush with both fenders on the front edge, and the front bumper fascia.

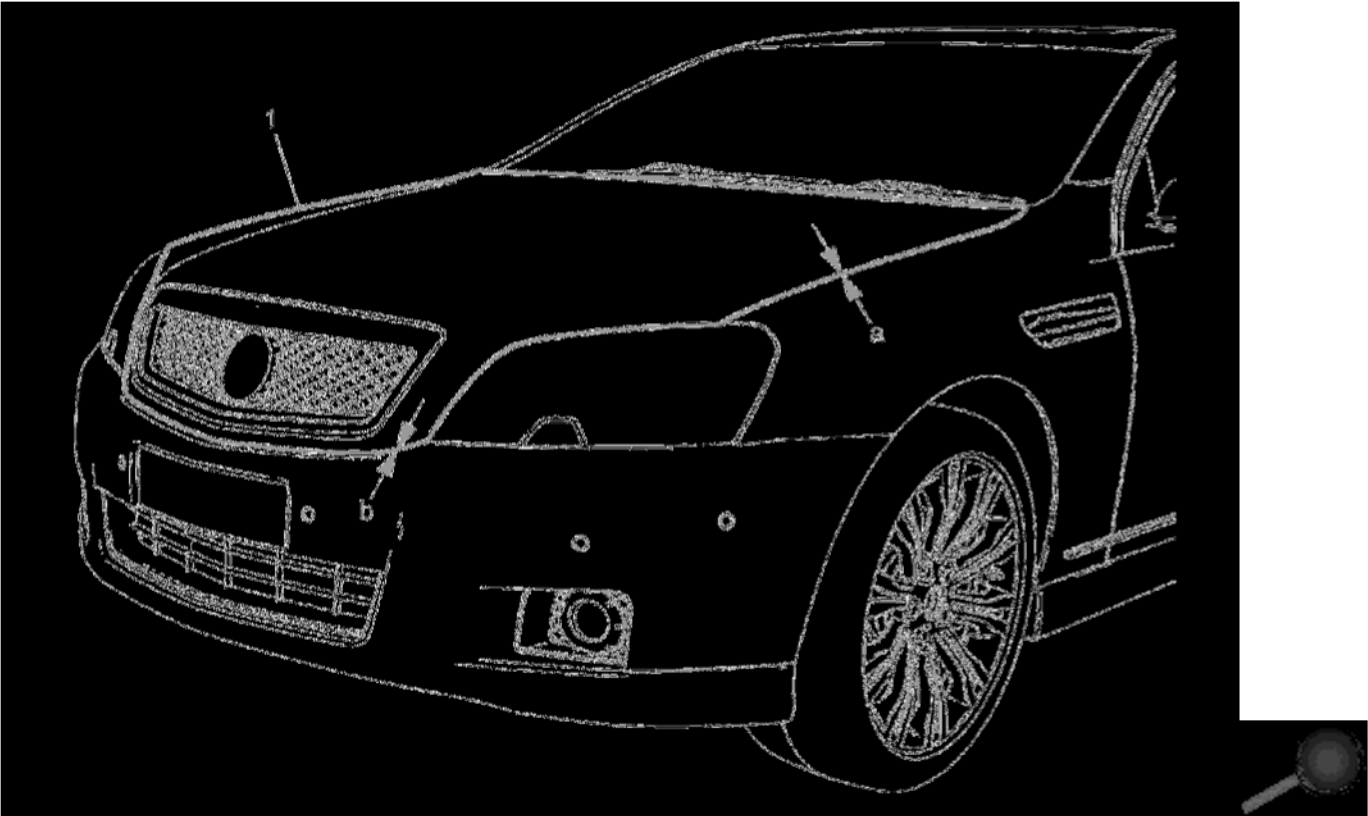
Adjustment:

- Adjust the hood to obtain an even gap between 2.25 mm to 3.75 mm on both sides between the hood and the fenders (a), so that the hood is flush with both fenders on the front edge.
- Adjust the hood to obtain an even gap between 2 mm to 6 mm between the hood and the front bumper fascia (b), so that the hood is flush with the front bumper fascia.

Tighten

- Tighten the hood hinge to hood retaining nuts to 22 Nm (16 lb ft).
- Tighten the fender to hood hinge retaining bolts to 9Nm (7 lb ft).
- Tighten the hood hinge retaining bolts to 22 Nm (16 lb ft).

Hood Adjustment (Long Wheelbase)



Hood Adjustment

Callout	Component Name
	Hood Caution: Refer to Fastener Caution. © 2014 General Motors. All rights reserved. Procedure 1. Loosen the 4 hood hinge bolts.

1

2. Adjust the hood in order to obtain an even gap on both sides between the hood and the fenders and the front bumper fascia. Also confirm that the hood is flush with both fenders on the front edge, and the front bumper fascia.

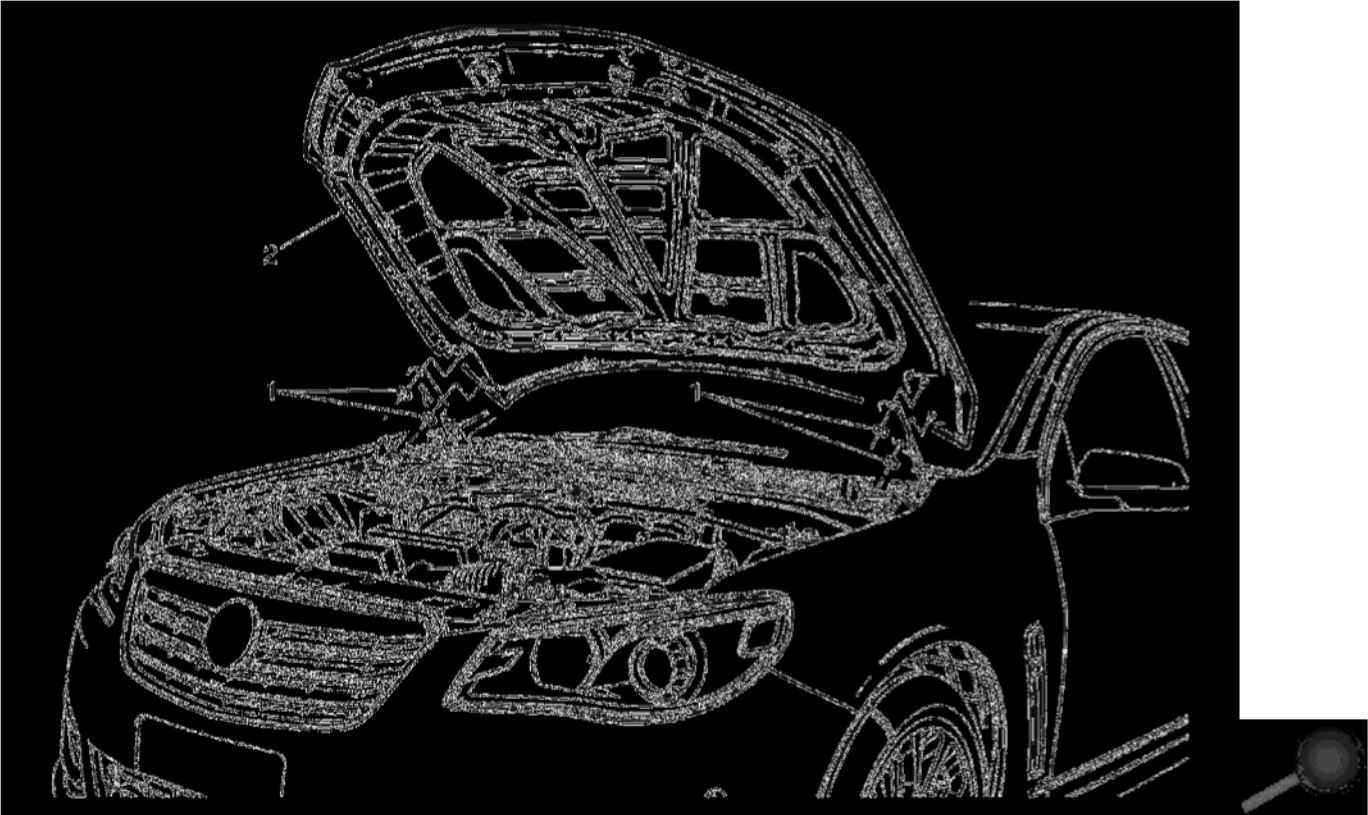
Adjustment:

- Adjust the hood to obtain an even gap between 2.25 mm to 3.75 mm on both sides between the hood and the fenders (a), so that the hood is flush with both fenders on the front edge.
- Adjust the hood to obtain an even gap between 2 mm to 6 mm between the hood and the front bumper fascia (b), so that the hood is flush with the front bumper fascia.

Tighten

22 N•m (16 lb ft)

Hood Replacement (Short Wheelbase)

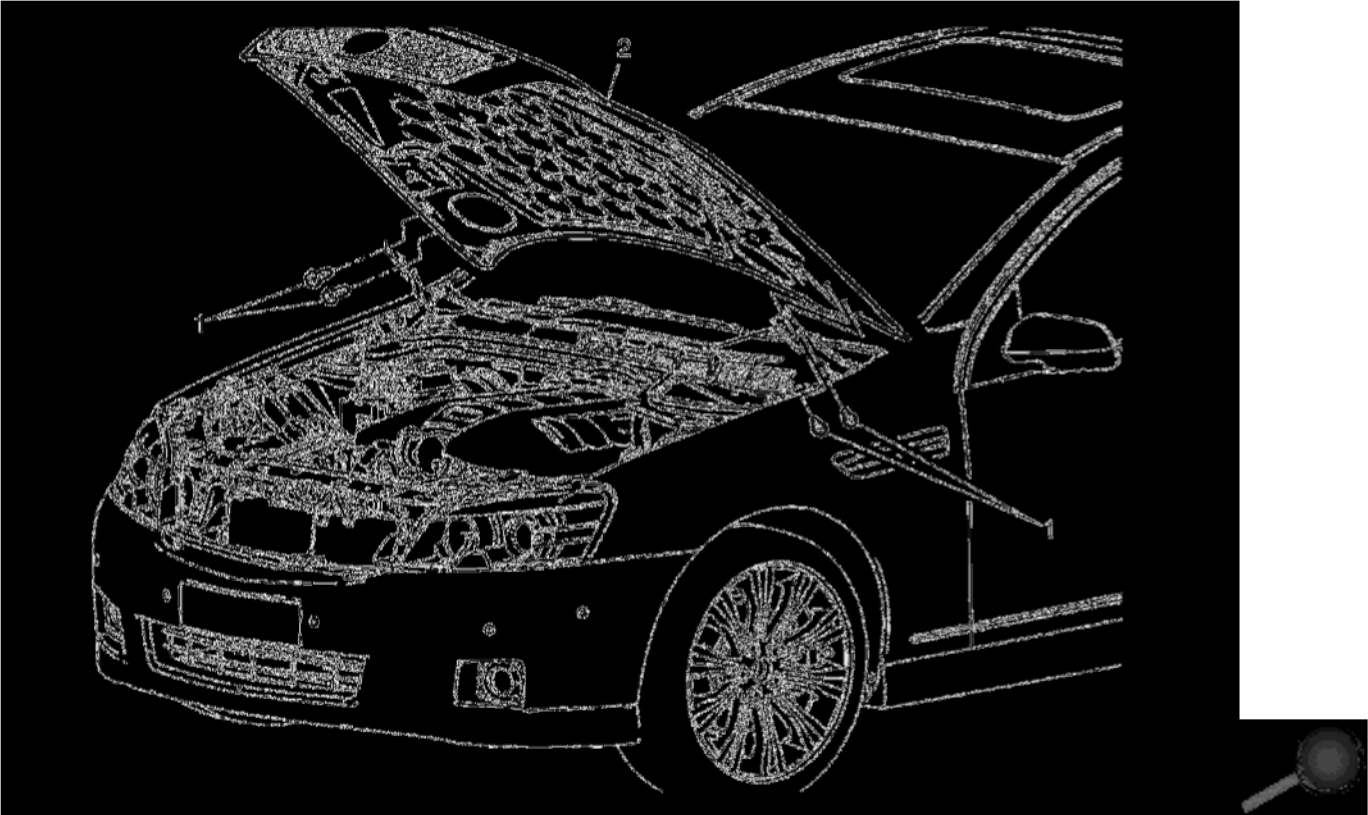


Hood Replacement

Callout	Component Name
Preliminary Procedure	
1. Disconnect the windshield washer nozzle hose Connector hose. Refer to Windshield Washer Nozzle Hose Connector Hose Replacement. 2. Disconnect the hood strut. Refer to Hood Strut Replacement	

1	Hood Hinge Nut (Qty: 4) Caution: Refer to Fastener Caution. Procedure Mark the hood or hinge position in order to aid in hood reinstallation. Tighten 22 N•m (16 lb ft)
2	Hood Procedure 1. With the aid of an assistant remove the hood. 2. Transfer parts as needed. 3. Adjust the hood if needed. Refer to Hood Adjustment.

Hood Replacement (Long Wheelbase)



Hood Replacement

Callout	Component Name
Preliminary Procedure	
1. Disconnect the windshield washer nozzle hose. Refer to Windshield Washer Nozzle Hose Replacement	
2. Disconnect the hood strut. Refer to Hood Strut Replacement .	

1	Hood Hinge Bolt (Qty: 4) Caution: Refer to Fastener Caution. Procedure Mark the hood or hinge position in order to aid in hood reinstallation. Tighten 22 N•m (16 lb ft)
2	Hood Procedure 1. With the aid of an assistant remove the hood. 2. Transfer parts as needed. 3. Adjust the hood if needed. Refer to Hood Adjustment.

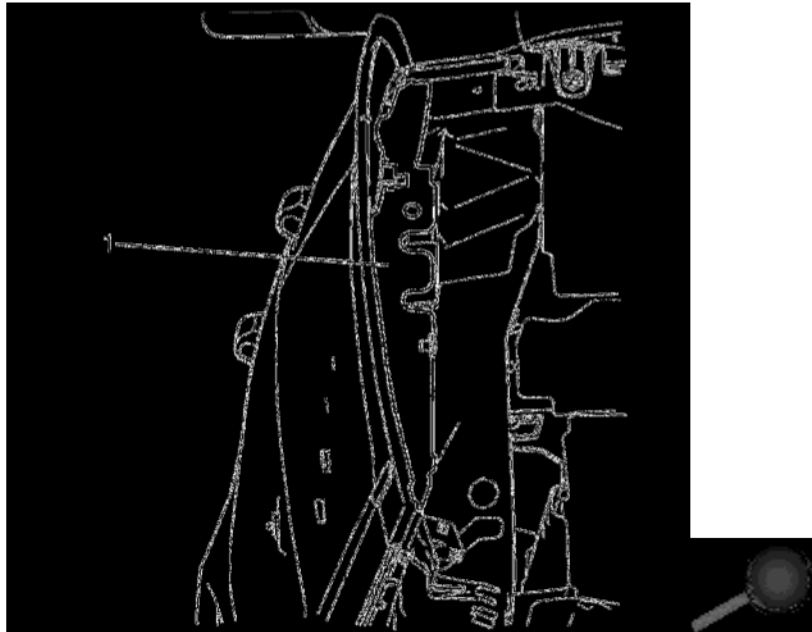
Front Fender Insulator Replacement

[Removal Procedure](#)

Danger: To avoid any vehicle damage, serious personal injury or death when major components are removed from the vehicle and the vehicle is supported by a hoist, support the vehicle with jack stands at the opposite end from which the components are being removed and strap the vehicle to the hoist.

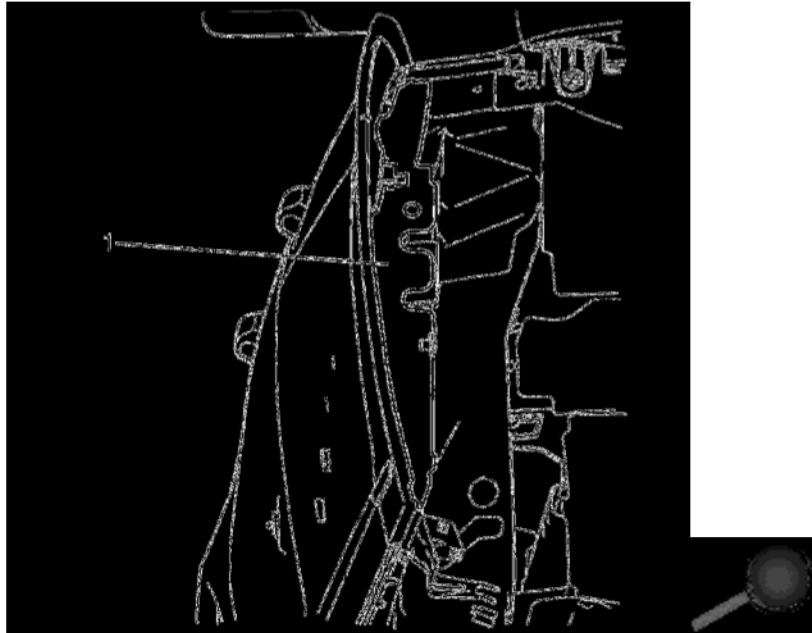
Warning: Refer to [Safety Glasses Warning](#).

1. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
2. Remove the front wheel. Refer to [Tire and Wheel Removal and Installation](#).
3. Remove the front wheelhouse liner. Refer to [Front Wheelhouse Liner Replacement](#).
4. Remove the front side turn signal lamp. Refer to [Front Side Turn Signal Lamp Replacement](#).



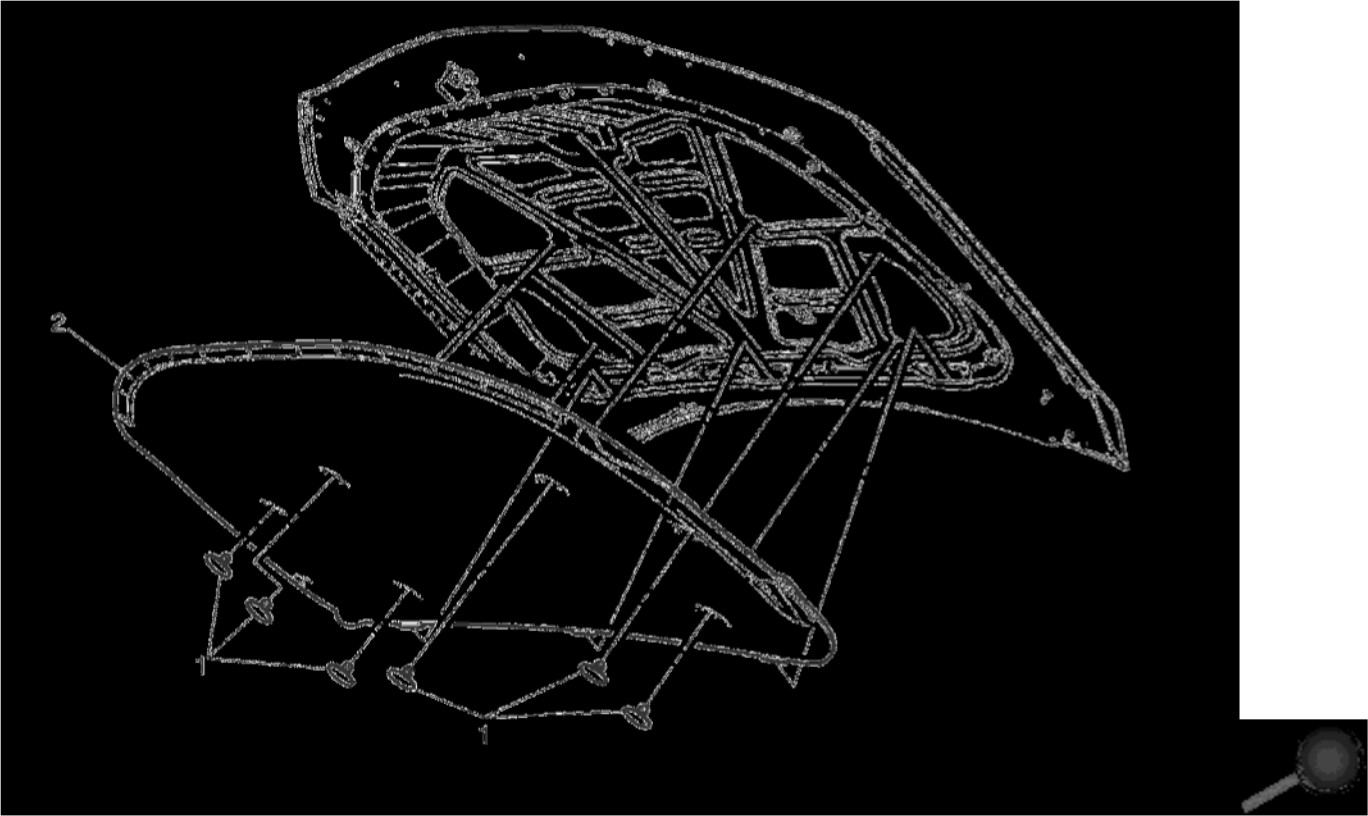
5. Remove the front fender sound insulator (1) from the vehicle.

[Installation Procedure](#)



1. Install the front fender sound insulator(1) to the vehicle.
2. Install the front side turn signal lamp. Refer to [Front Side Turn Signal Lamp Replacement](#).
3. Install the front wheelhouse liner. Refer to [Front Wheelhouse Liner Replacement](#).
4. Install the front wheel. Refer to [Tire and Wheel Removal and Installation](#).
5. Lower the vehicle.

Hood Insulator Replacement

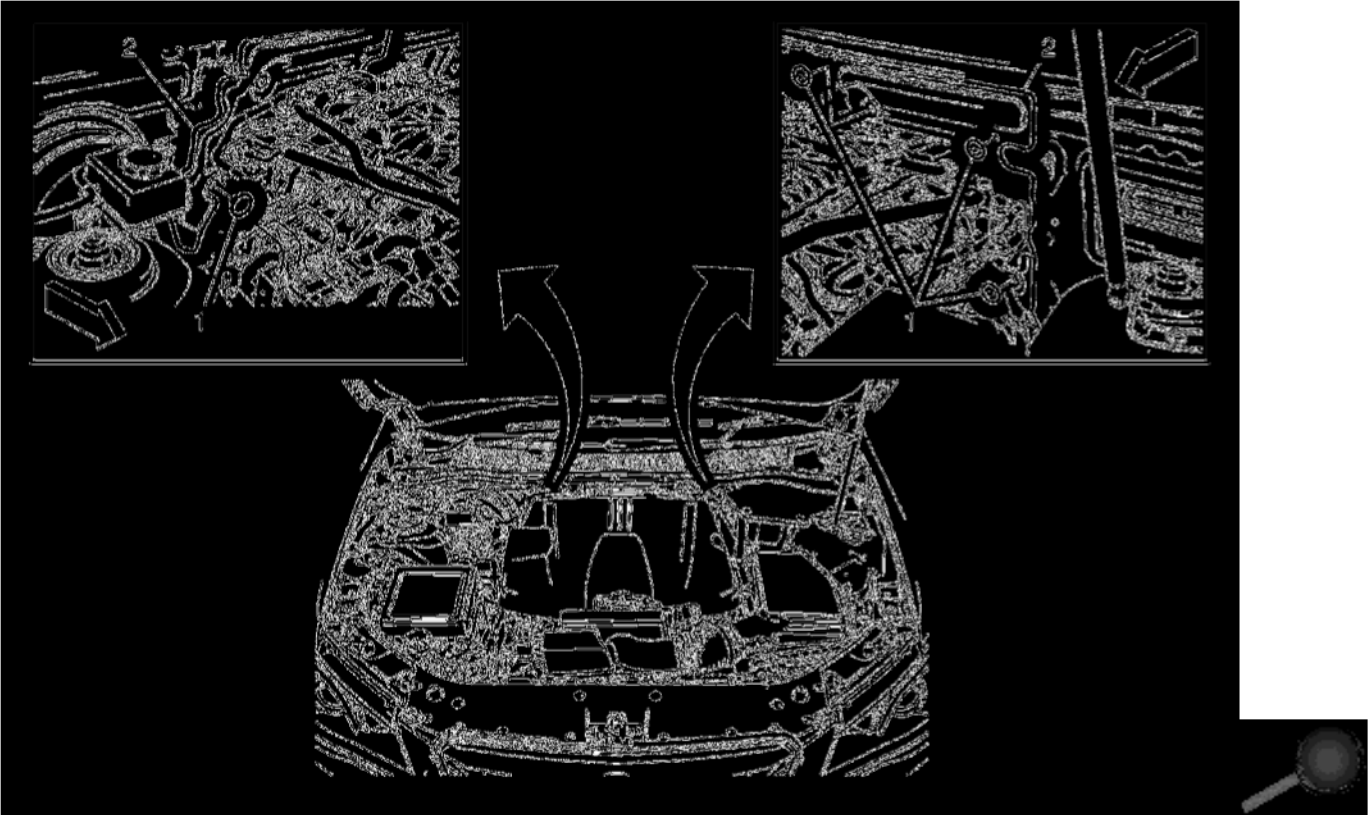


Hood Insulator Replacement

Callout	Component Name
1	Hood Insulator Retainer (Qty: 6) Procedure © 2014 General Motors. All rights reserved. 1. Using a trim tool remove the hood insulator retainers with the insulator. 2. Using a trim tool remove the hood front weatherstrip. Refer to Hood Front Weatherstrip Replacement

	Note: Do not attempt to remove the retainers by hand. Doing so will damage the hood insulator.
2	Hood Insulator Procedure Ensure the three lower integral tabs are secure to the hood.

Dash Panel Outer Insulator Replacement



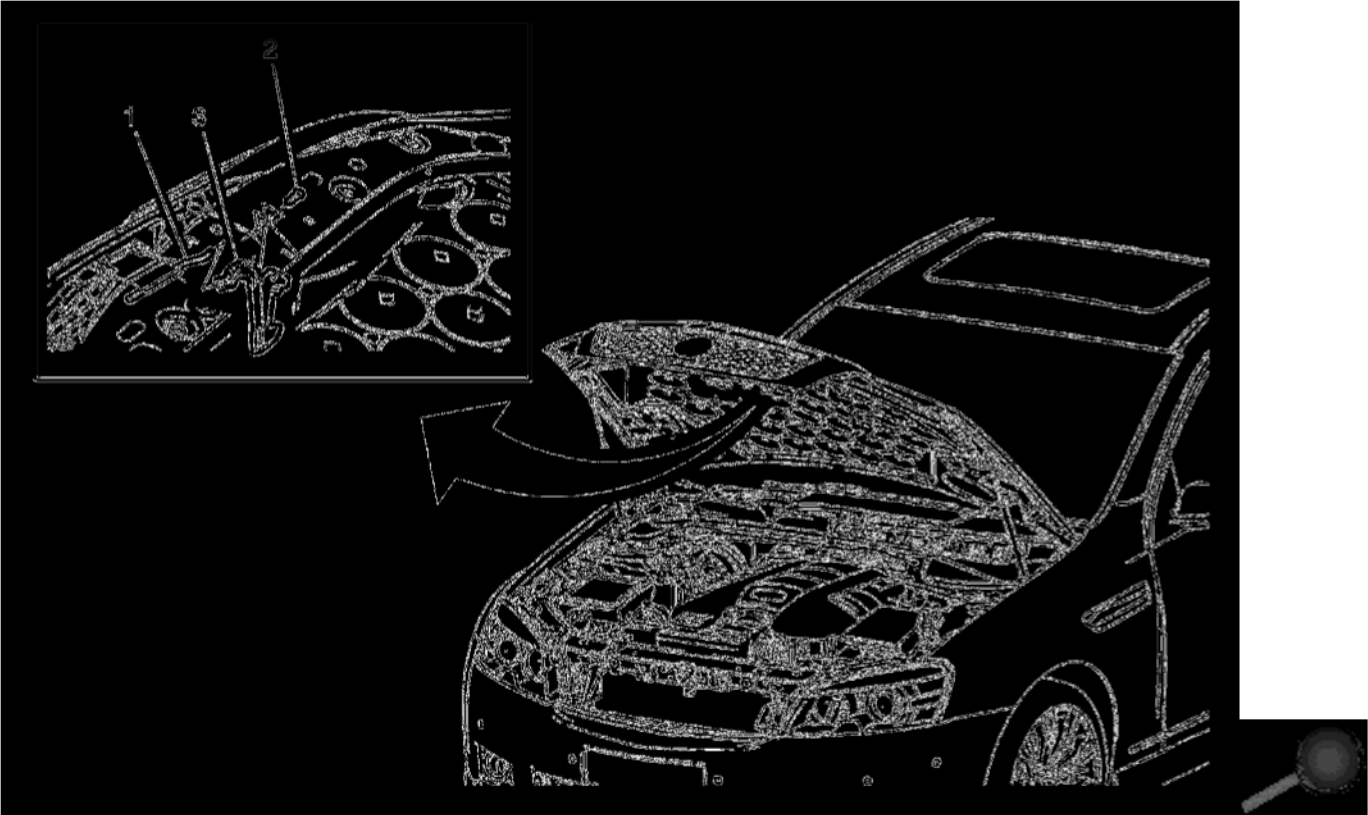
Dash Panel Outer Insulator Replacement

Callout	Component Name
Preliminary Procedures	
1. Open and support the hood assembly. 2. Remove the air inlet grille panel. Refer to Air Inlet Grille Panel Replacement. 3. Remove the intake manifold insulator. Refer to Intake Manifold Insulator Replacement.	

4. Remove the heater inlet and outlet hose. Refer to [Heater Inlet and Outlet Hose Replacement](#).
5. Remove the air inlet housing. Refer to [Air Inlet Housing Replacement](#).

1	Dash Panel Outer Insulator Retainer (Qty: 4)
2	Dash Panel Outer Insulator Procedure Carefully pull the dash panel outer insulator forward and then upward to remove.

Hood Secondary Latch Replacement (Long Wheelbase)



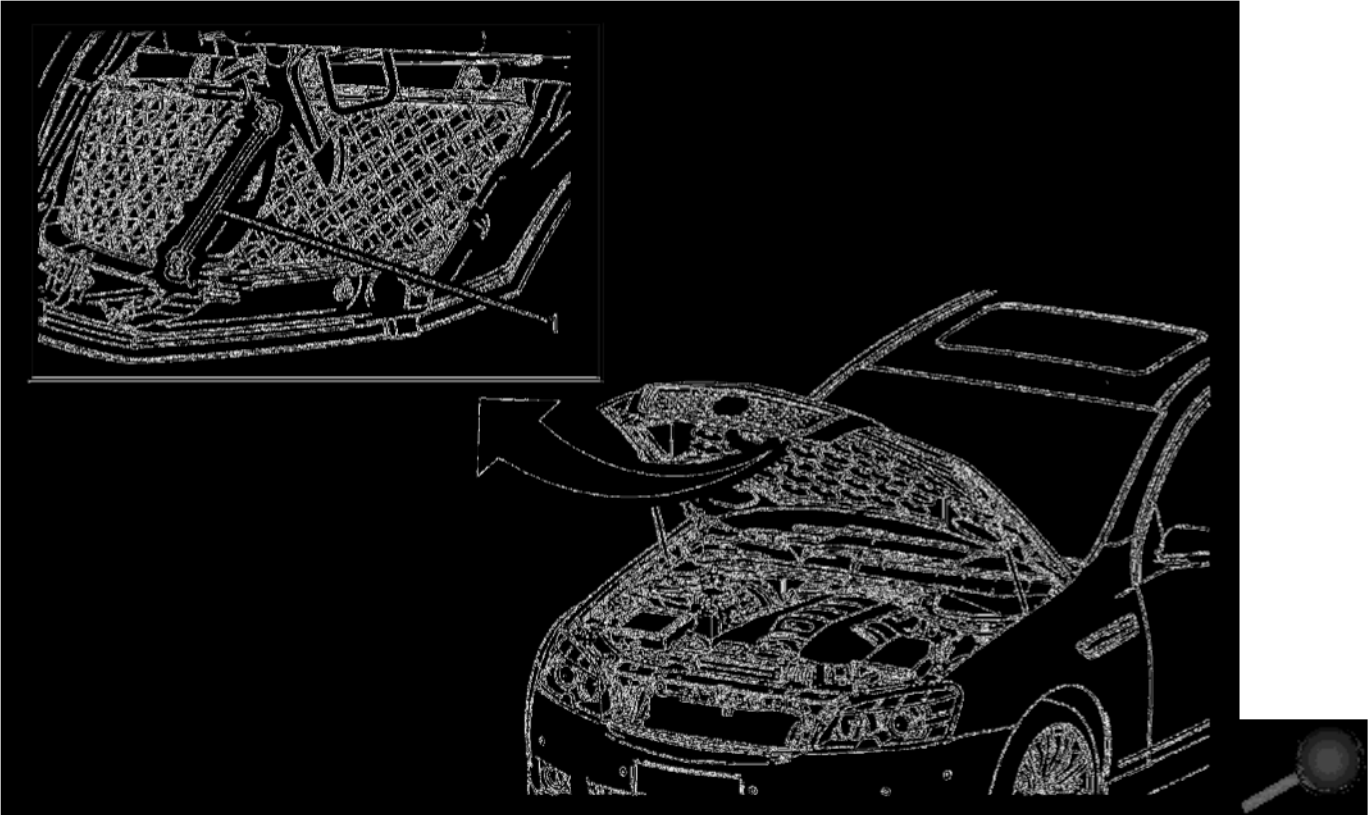
Hood Secondary Latch Replacement

Callout	Component Name
Warning: Eye protection must be worn when drilling rivets to reduce the chance of personal injury.	
1	Hood Secondary Latch Rod Procedure Disconnect the hood secondary latch rod retainer.

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2	Hood Secondary Latch Rivet Note: The hood secondary latch rivet is a single use part only. It must be discarded after removal.
3	Hood Secondary Latch Procedure Gently pull the front hood secondary latch with the spring to disengage from the hood.

Hood Secondary Latch Release Rod Replacement (Long Wheelbase)

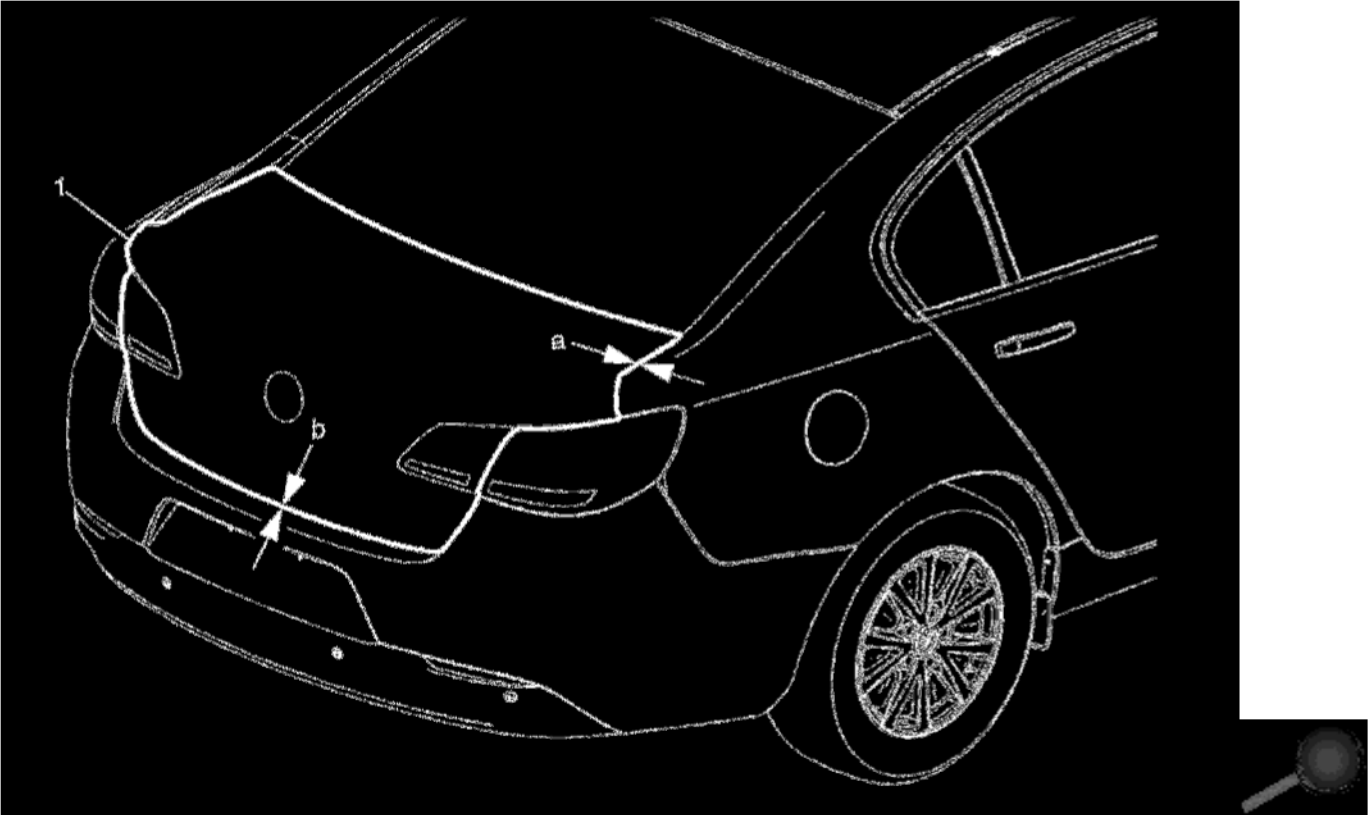


Hood Secondary Latch Release Rod Replacement

Callout	Component Name
1	Hood Secondary Latch Release Rod Procedure 1. From the underside of the hood release the retainer from the hood secondary latch release handle. 2. Release the retainer at the hood secondary latch.



Rear Compartment Lid Adjustment (Short Wheelbase)



Rear Compartment Lid Adjustment

Callout	Component Name
	Rear Compartment Lid Caution: Refer to Fastener Caution. © 2014 General Motors. All rights reserved. Procedure 1. Loosen the rear compartment lid hinge bolt (Qty: 4) to adjust the rear compartment lid.

1

2. Adjust the rear compartment lid in order to obtain an even gap between the rear compartment lid and the quarter outer panel, the rear lamp and the rear bumper fascia and so that the rear compartment lid is flush with the quarter outer panel, the rear lamp and the rear bumper fascia.

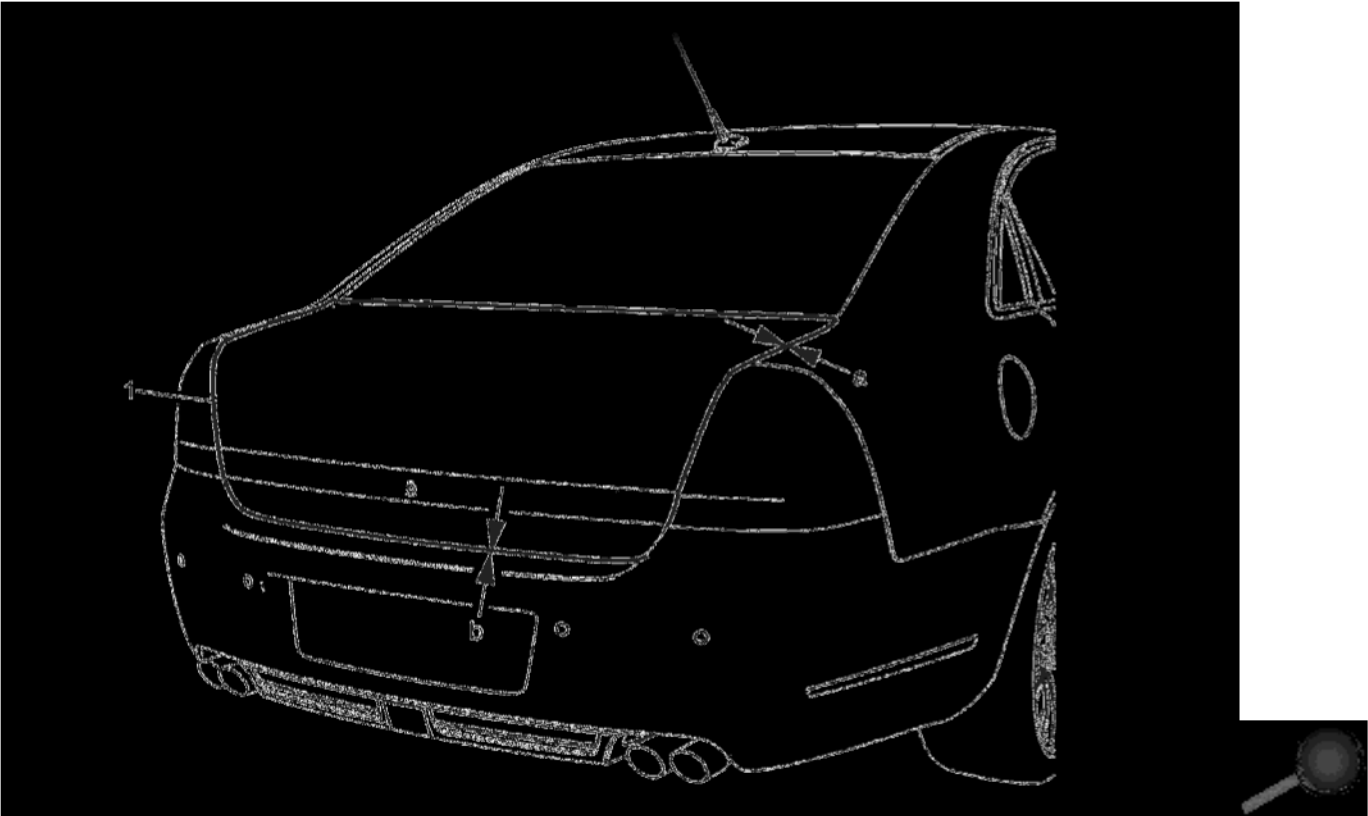
Adjustment

- Align the rear compartment lid in order to achieve an equal gap of 2.25 to 3.75 mm around the rear compartment lid to the rear quarter panels (a).
- Align the rear compartment lid in order to achieve an equal gap of 5 to 7 mm from the rear compartment lid to the rear bumper fascia (b).

Tighten

10 N•m (89 lb in)

Rear Compartment Lid Adjustment (Long Wheelbase)



Rear Compartment Lid Adjustment

Callout	Component Name
	Rear Compartment Lid Caution: Refer to Fastener Caution. © 2014 General Motors. All rights reserved. Procedure 1. Loosen the rear compartment lid hinge bolt (Qty: 4) to adjust the rear compartment lid.

1

2. Adjust the rear compartment lid in order to obtain an even gap between the rear compartment lid and the quarter outer panel, the rear lamp and the rear bumper fascia and so that the rear compartment lid is flush with the quarter outer panel, the rear lamp and the rear bumper fascia.

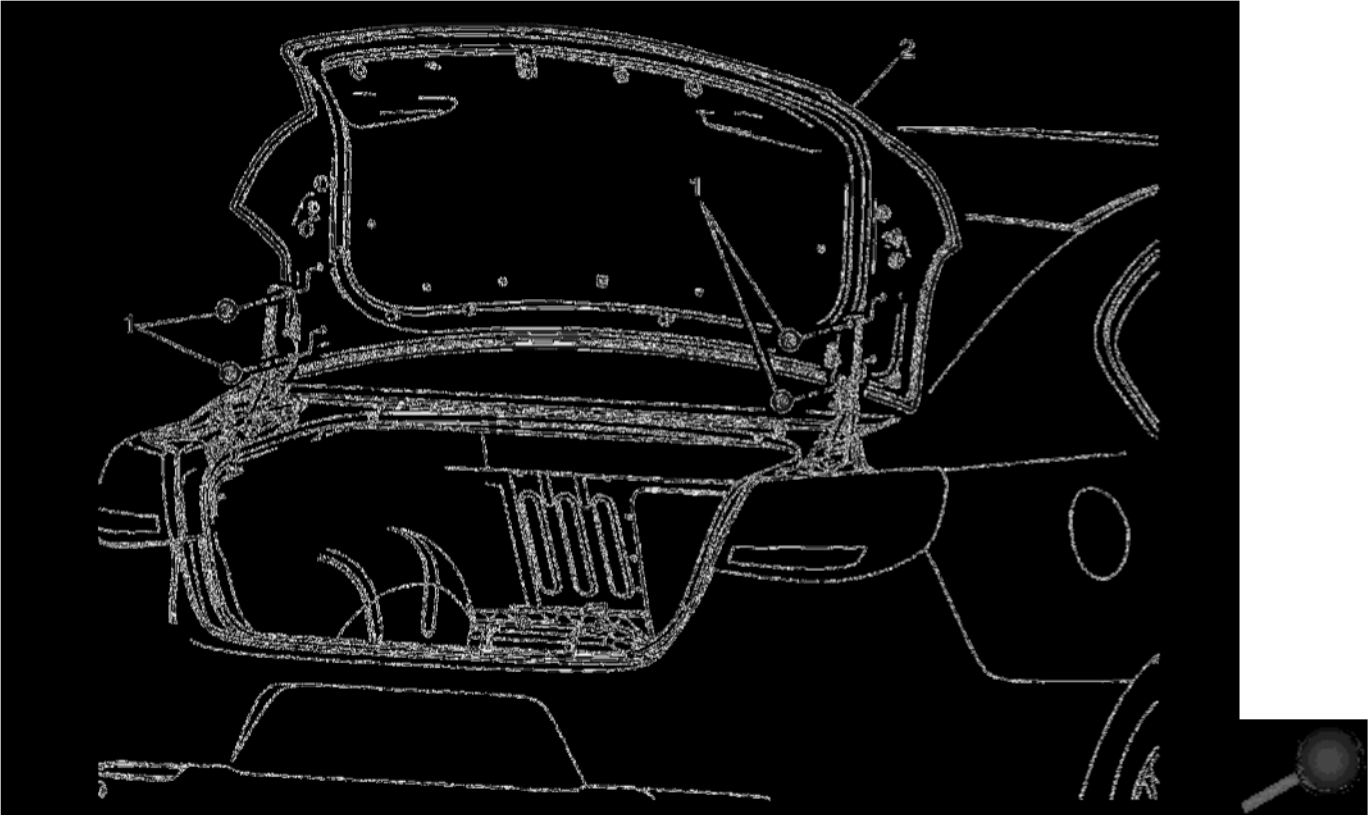
Adjustment

- Align the rear compartment lid in order to achieve an equal gap of 2.25 to 3.75 mm around the rear compartment lid to the rear quarter panels (a).
- Align the rear compartment lid in order to achieve an equal gap of 5 to 7 mm from the rear compartment lid to the rear bumper fascia (b).

Tighten

9 N•m (80 lb in)

Rear Compartment Lid Replacement (Short Wheelbase)



Rear Compartment Lid Replacement

Callout	Component Name
Preliminary Procedure Remove the rear compartment lid carpet. Refer to Rear Compartment Lid Carpet Replacement .	
	© 2014 General Motors. All rights reserved. Rear Compartment Lid Bolt (Qty: 4) Caution: Refer to Fastener Caution .

1	Tighten 10 N•m (89 lb in)
2	Rear Compartment Lid Procedure 1. Disconnect the electrical connector. 2. Remove the rear compartment lid, with the aid of an assistant. 3. Transfer components as necessary. 4. Adjust the rear compartment lid, if needed. Refer to Rear Compartment Lid Adjustment

Rear Compartment Lid Replacement (Long Wheelbase)

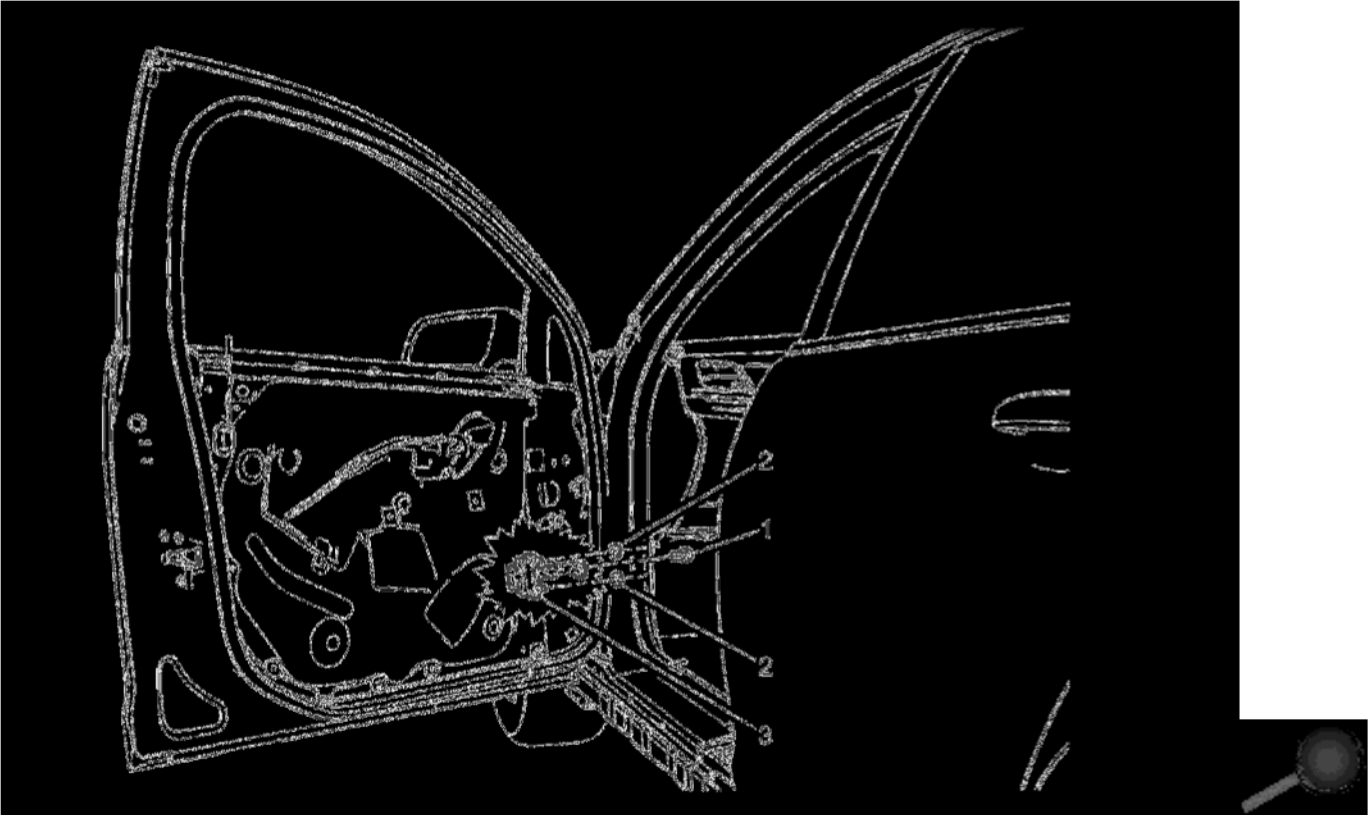


Rear Compartment Lid Replacement

Callout	Component Name
Preliminary Procedure Remove the rear compartment lid carpet. Refer to Rear Compartment Lid Carpet Replacement .	
	© 2014 General Motors. All rights reserved. Rear Compartment Lid Nut (Qty: 4) Caution: Refer to Fastener Caution .

1	Tighten 22 N•m (16 lb ft)
2	Rear Compartment Lid Procedure 1. Disconnect the electrical connector. 2. Remove the rear compartment lid, with the aid of an assistant. 3. Transfer components as necessary. 4. Adjust the rear compartment lid, if needed. Refer to Rear Compartment Lid Adjustment

Front Side Door Check Link Replacement

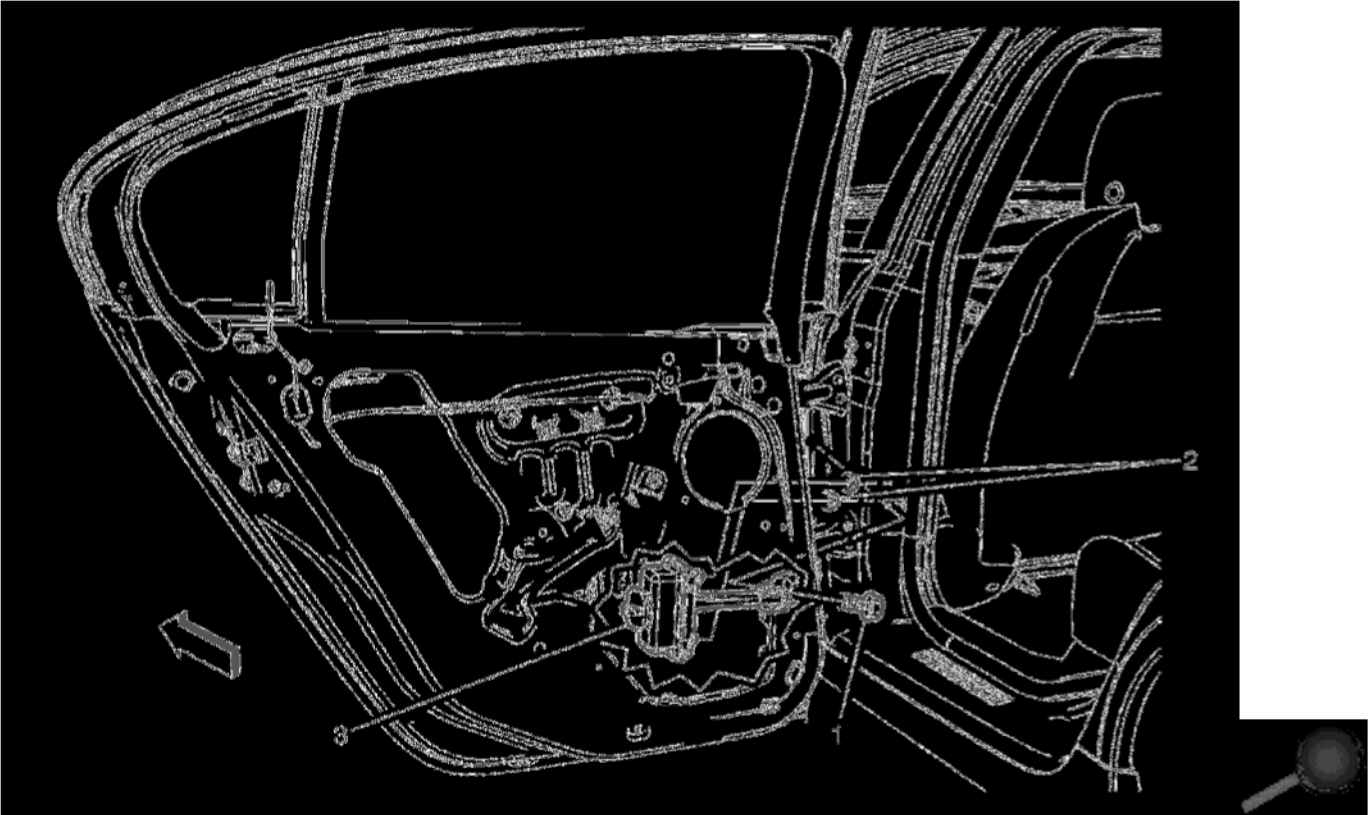


Front Side Door Check Link Replacement

Callout	Component Name
Preliminary Procedure Remove the front side door trim. Refer to Front Side Door Trim Replacement . © 2014 General Motors. All rights reserved.	
	Front Side Door Check Link Bolt Caution: Refer to Fastener Caution .

1	Note: Place the door in the full open position. Tighten 25 N•m (18 lb ft)
2	Front Side Door Check Link Nut (Qty: 2) Procedure Remove the water deflector. 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 (Short Wheelbase)



Rear Side Door Check Link Replacement

Callout	Component Name
Preliminary Procedure Remove rear side door trim. Refer to Rear Side Door Trim Replacement .	
	© 2014 General Motors. All rights reserved. Rear Side Door Check Link Body Side Bolt Caution: Refer to Fastener Caution

1	Note: Place the door in the full open position. Tighten 25 N•m (18 lb ft)
2	Rear Side Door Check Link Nut (Qty: 2) Procedure Remove the water deflector. Tighten 9 N•m (80 lb in)
3	Rear Side Door Check Link Note: Inspect the door for proper operation before installing the door trim.

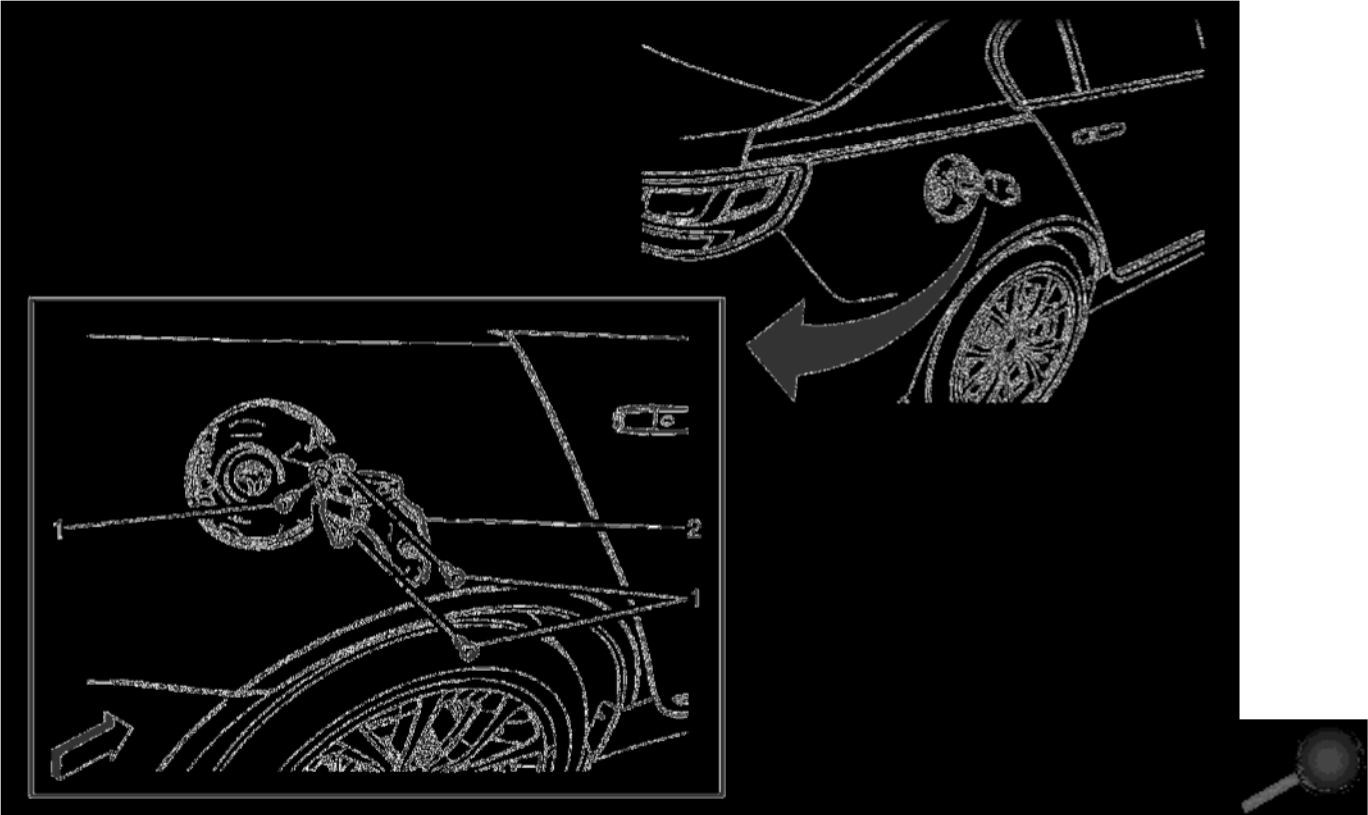
A detailed technical drawing of a mechanical assembly, possibly a pump or engine component. The drawing is oriented vertically on the page. It features a central cylindrical component with a flange at the top, labeled 'A'. To the left of this central part is a smaller, more complex assembly labeled 'B' and 'C'. Below the central component is a large, curved, bowl-like structure labeled 'D'. To the right of the central component is a vertical assembly labeled 'E' and 'F'. The drawing includes various lines, circles, and text labels (A, B, C, D, E, F) to identify different parts and sections of the assembly. The drawing is a black and white line drawing, typical of technical manuals.

Callout	Component Name
Preliminary Procedures 1. Place the door in the full open position. 2. Remove rear side door trim. Refer to Rear Side Door Trim Replacement. 3. Remove the water deflector.	

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1	Rear Side Door Check Link Bolt Caution: Refer to Fastener Caution Tighten 25 N•m (18 lb ft)
2	Rear Side Door Check Link Nut (Qty: 2) Tighten 9 N•m (79 lb in)
3	Rear Side Door Check Link Note: Inspect the door for proper operation before installing the door trim.

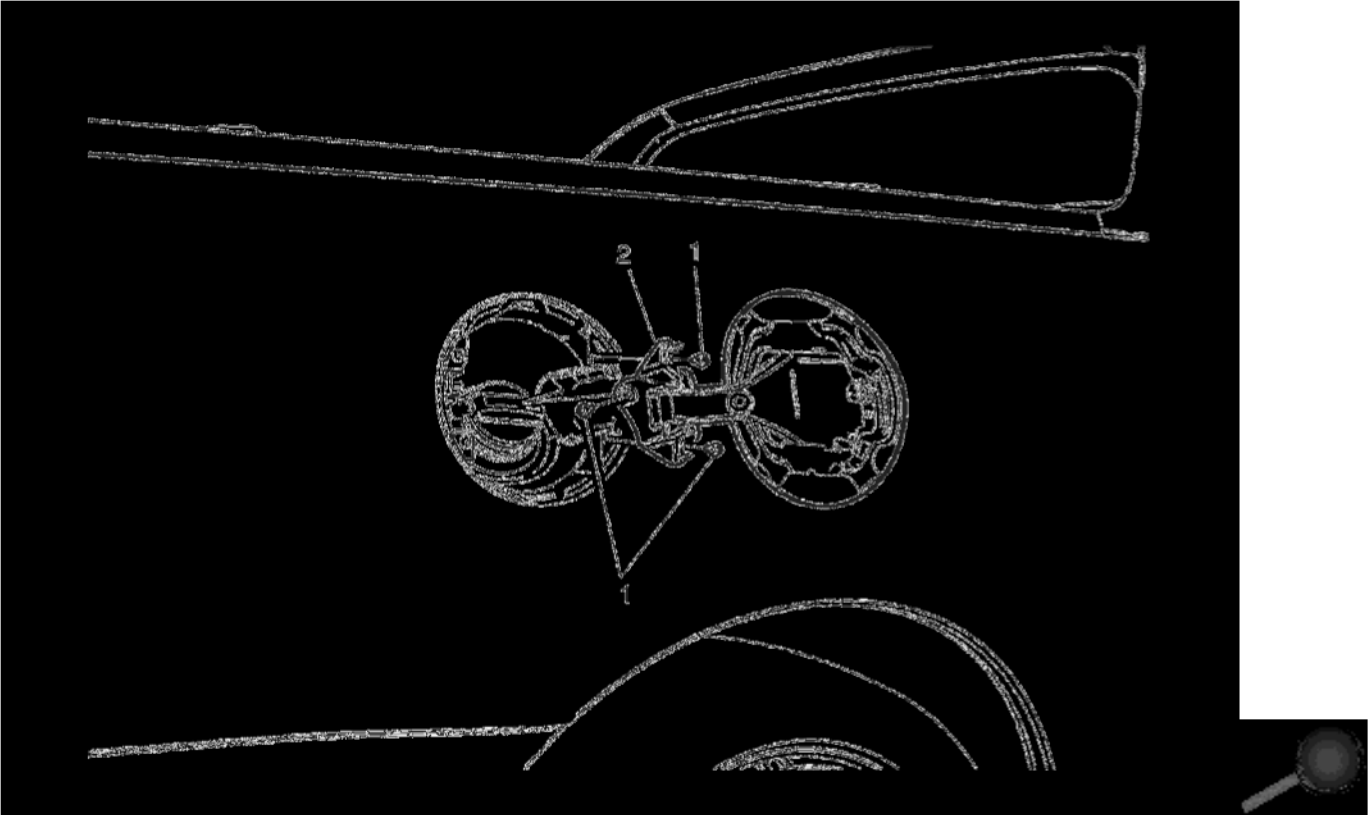
Fuel Tank Filler Door Hinge Replacement



Fuel Tank Filler Door Hinge Replacement

Callout	Component Name
1	Fuel Tank Filler Door Hinge Bolts (Qty: 3) Caution: Refer to Fastener Caution .
2	Fuel Tank Filler Door Hinge

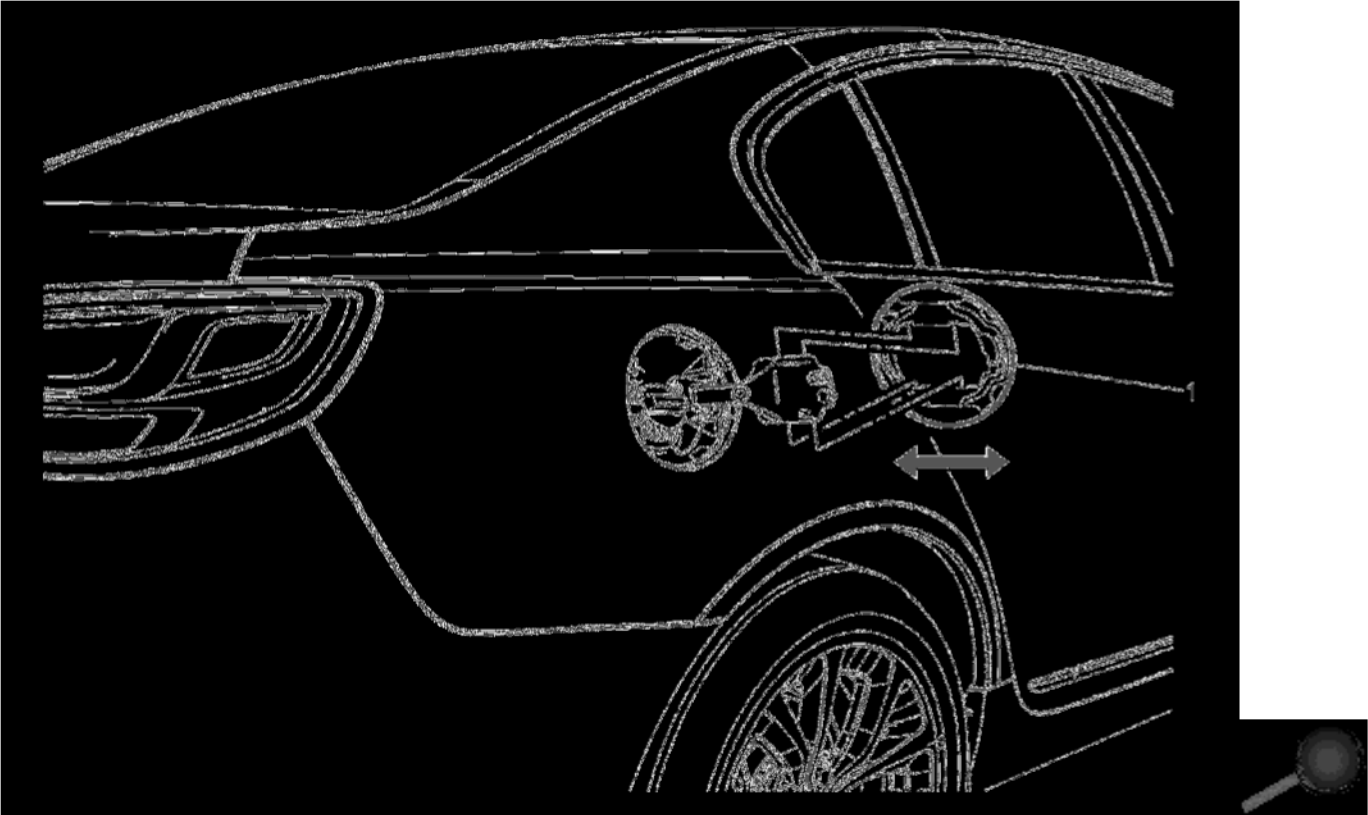
Fuel Tank Filler Door Hinge Replacement (Ute)



Fuel Tank Filler Door Hinge Replacement

Callout	Component Name
1	Fuel Tank Filler Door Hinge Bolts (Qty: 3) Caution: Refer to Fastener Caution .
2	Fuel Tank Filler Door Hinge

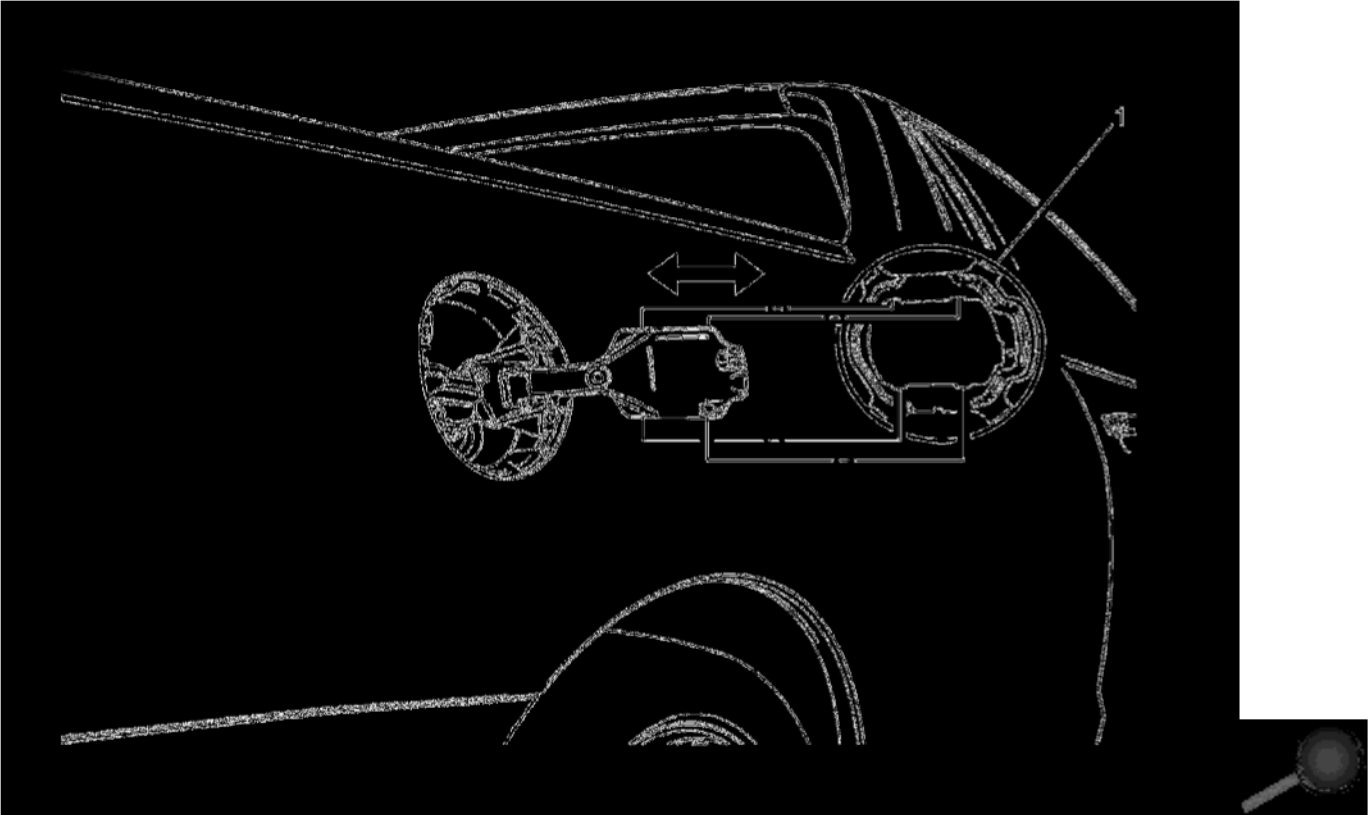
Fuel Tank Filler Door Replacement (Short Wheelbase)



Fuel Tank Filler Door Replacement

Callout	Component Name
1	Fuel Tank Filler Door Procedure © 2014 General Motors. All rights reserved. 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.

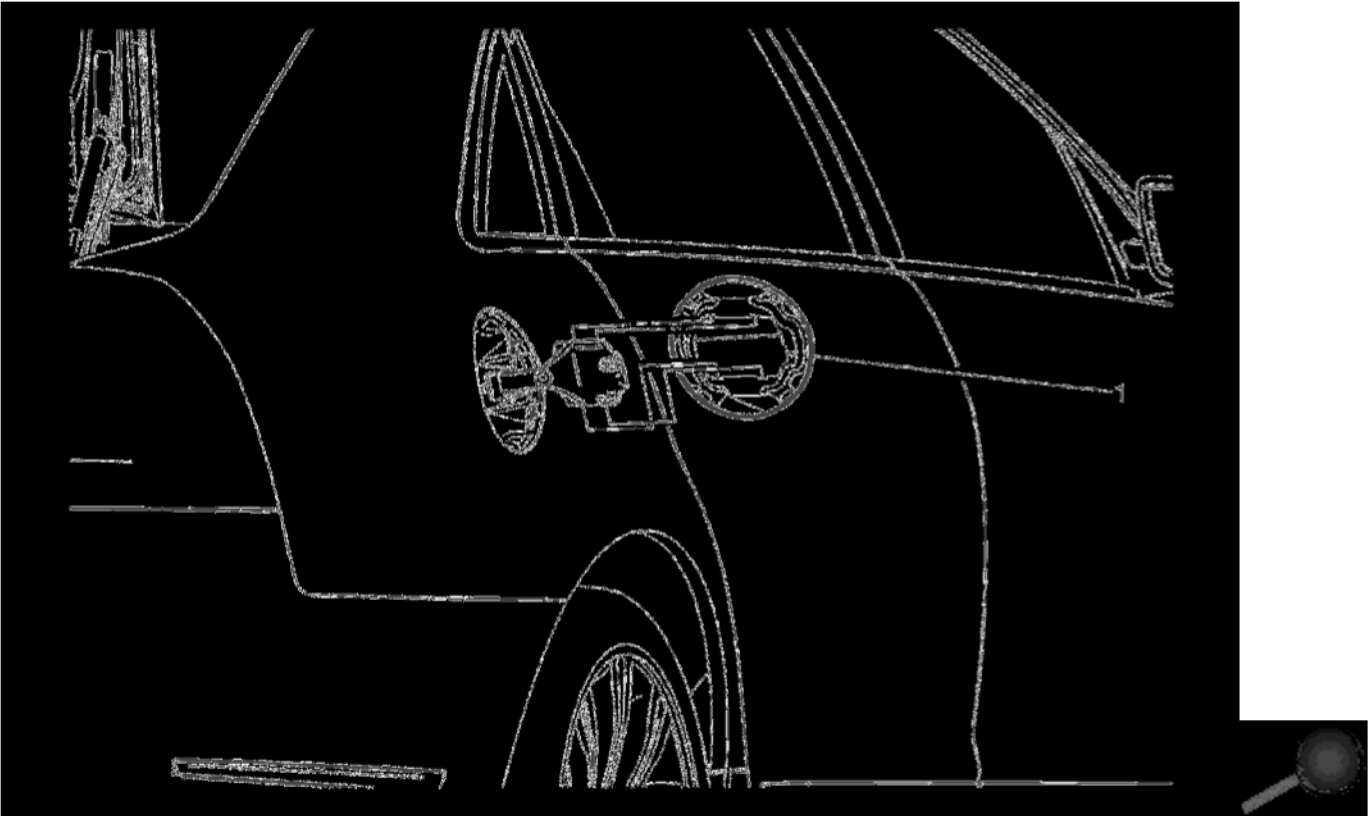
Fuel Tank Filler Door Replacement (Ute)



Fuel Tank Filler Door Replacement

Callout	Component Name
1	Fuel Tank Filler Door Procedure © 2014 General Motors. All rights reserved. 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.

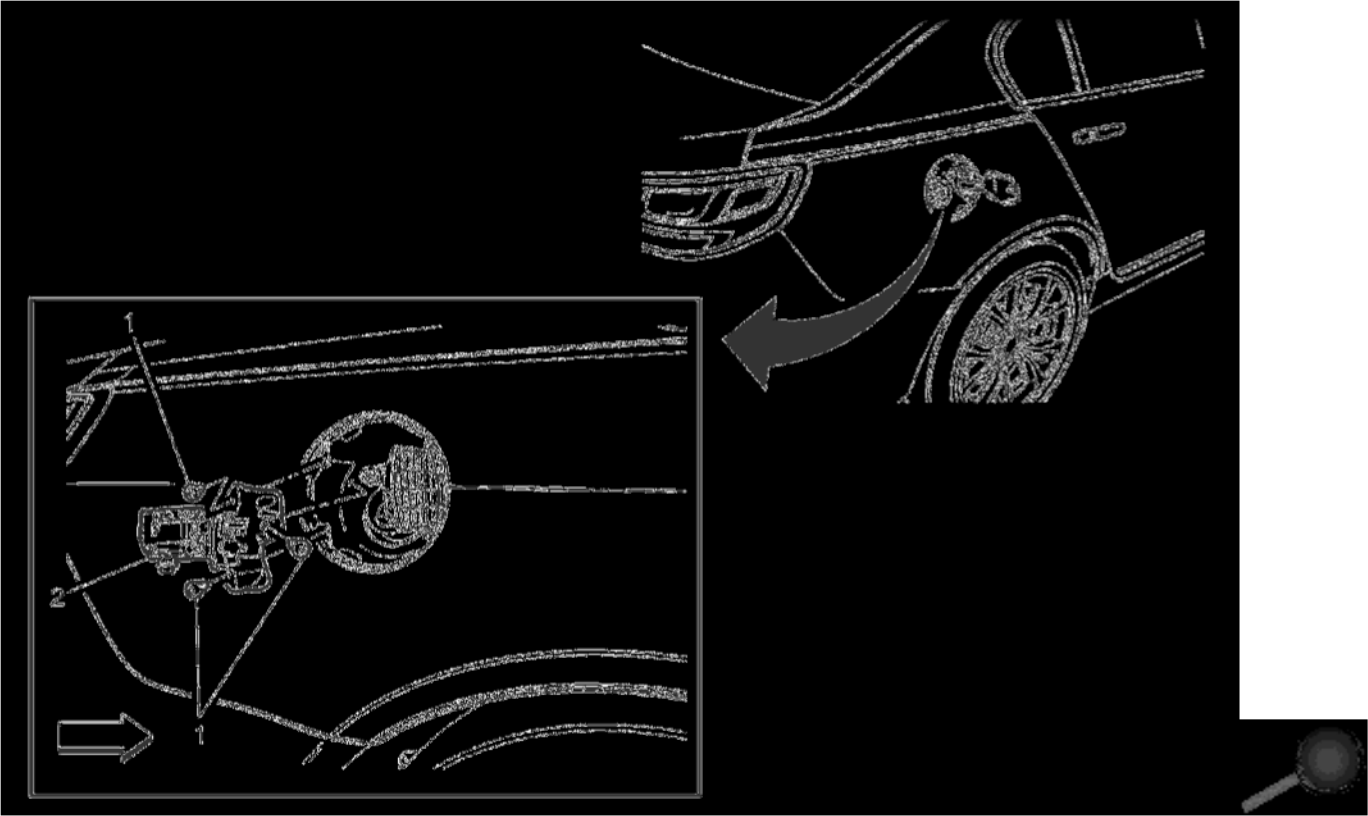
Fuel Tank Filler Door Replacement (Long Wheelbase)



Fuel Tank Filler Door Replacement

Callout	Component Name
1	Fuel Tank Filler Door Procedure © 2014 General Motors. All rights reserved. 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 Door Latch Replacement (Short Wheelbase)



Fuel Tank Filler Door Latch Replacement

Callout	Component Name
1	Fuel Tank Filler Door Latch Housing Bolts (Qty: 3) Caution: Refer to Fastener Caution . Tighten 2 N•m (18 lb in)

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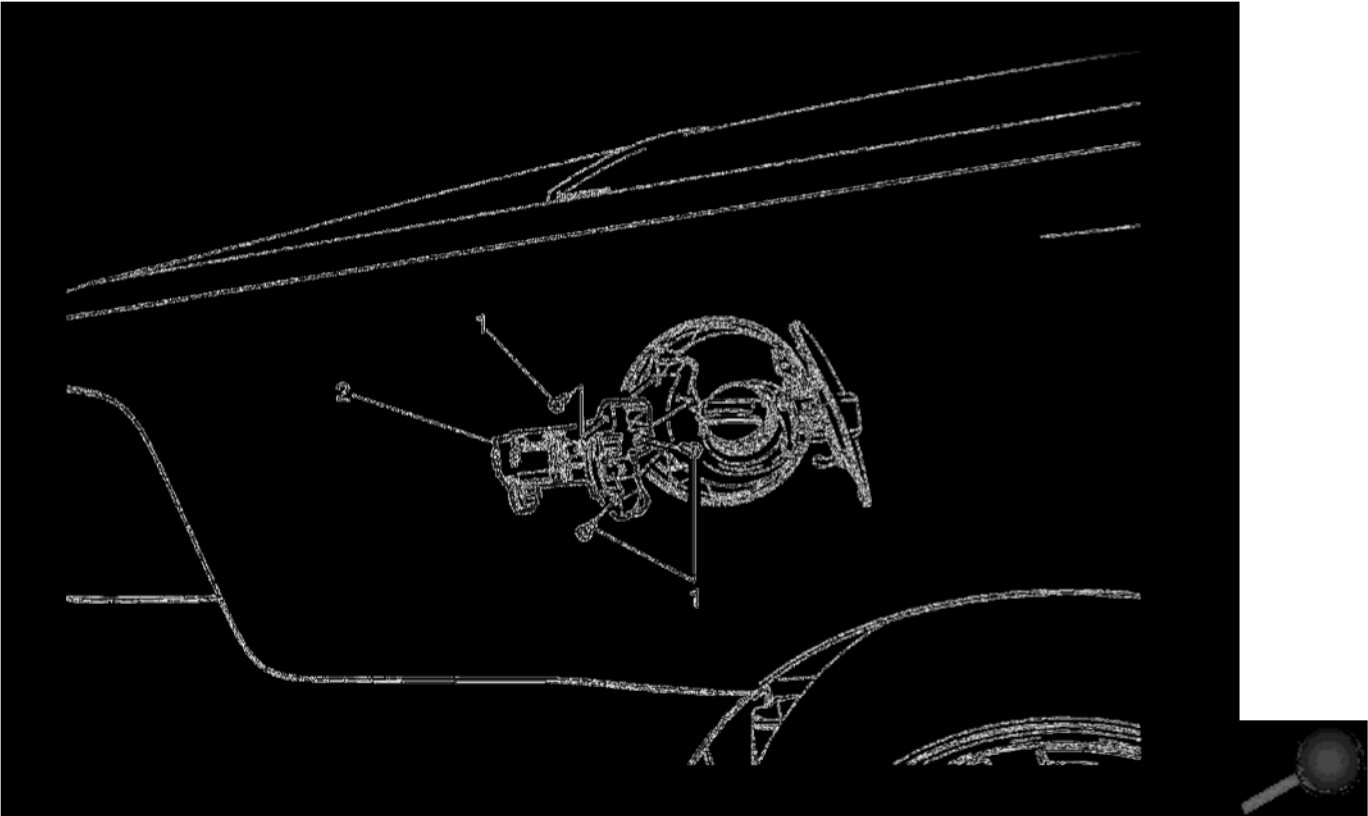
Fuel Tank Filler Door Latch Housing

Procedure

2

1. Move the fuel tank filler door latch housing to the right and outward from the fuel filler pipe and the quarter panel.
2. Disconnect the electrical connector.

Fuel Tank Filler Door Latch Replacement (Ute)



Fuel Tank Filler Door Latch Replacement

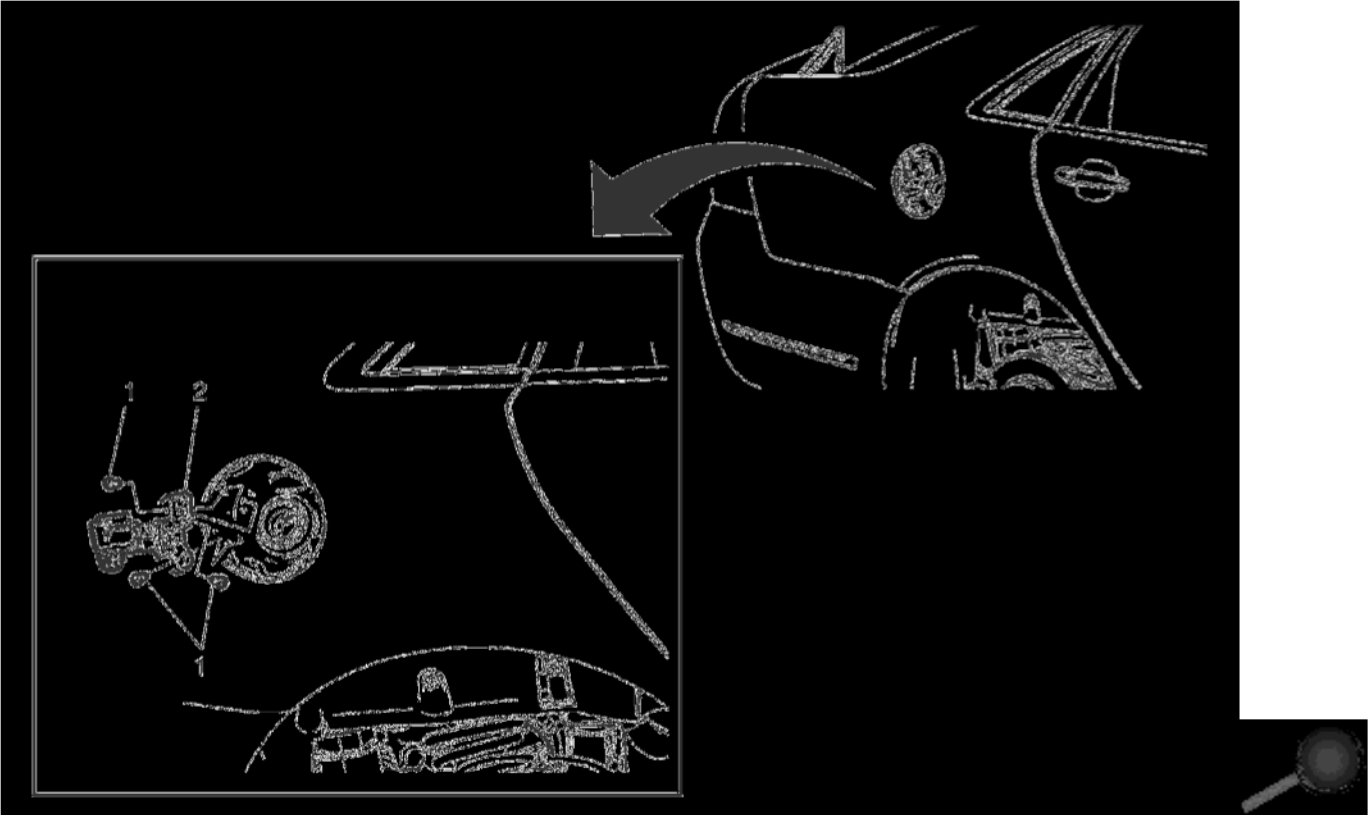
Callout	Component Name
1	Fuel Tank Filler Door Latch Housing Bolts (Qty: 3) Caution: Refer to Fastener Caution .
	Fuel Tank Filler Door Latch Housing

Procedure

2

1. Move the fuel tank filler door latch housing to the right and outward from the fuel filler pipe housing and the quarter panel.
2. Disconnect the electrical connector.

Fuel Tank Filler Door Latch Replacement (Long Wheelbase)



Fuel Tank Filler Door Latch Replacement

Callout	Component Name
1	Fuel Tank Filler Door Latch Housing Bolts (Qty: 3) Caution: Refer to Fastener Caution . Tighten 2 N•m (18 lb in)

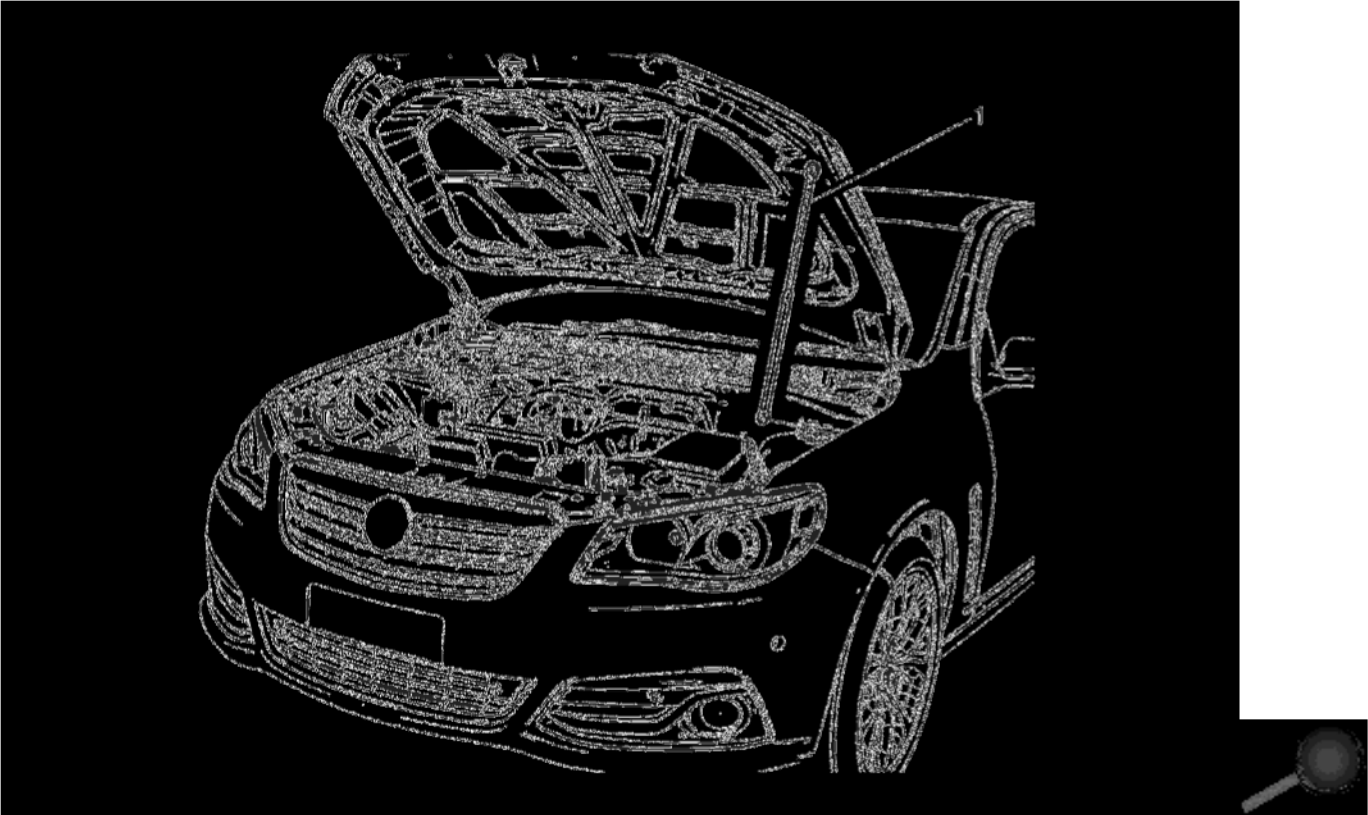
Fuel Tank Filler Door Latch Housing

Procedure

2

1. Move the fuel tank filler door latch housing to the right and outward from the fuel filler pipe housing and the quarter panel.
2. Disconnect the electrical connector.

Hood Strut Replacement (Short Wheelbase)



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Hood Strut Replacement

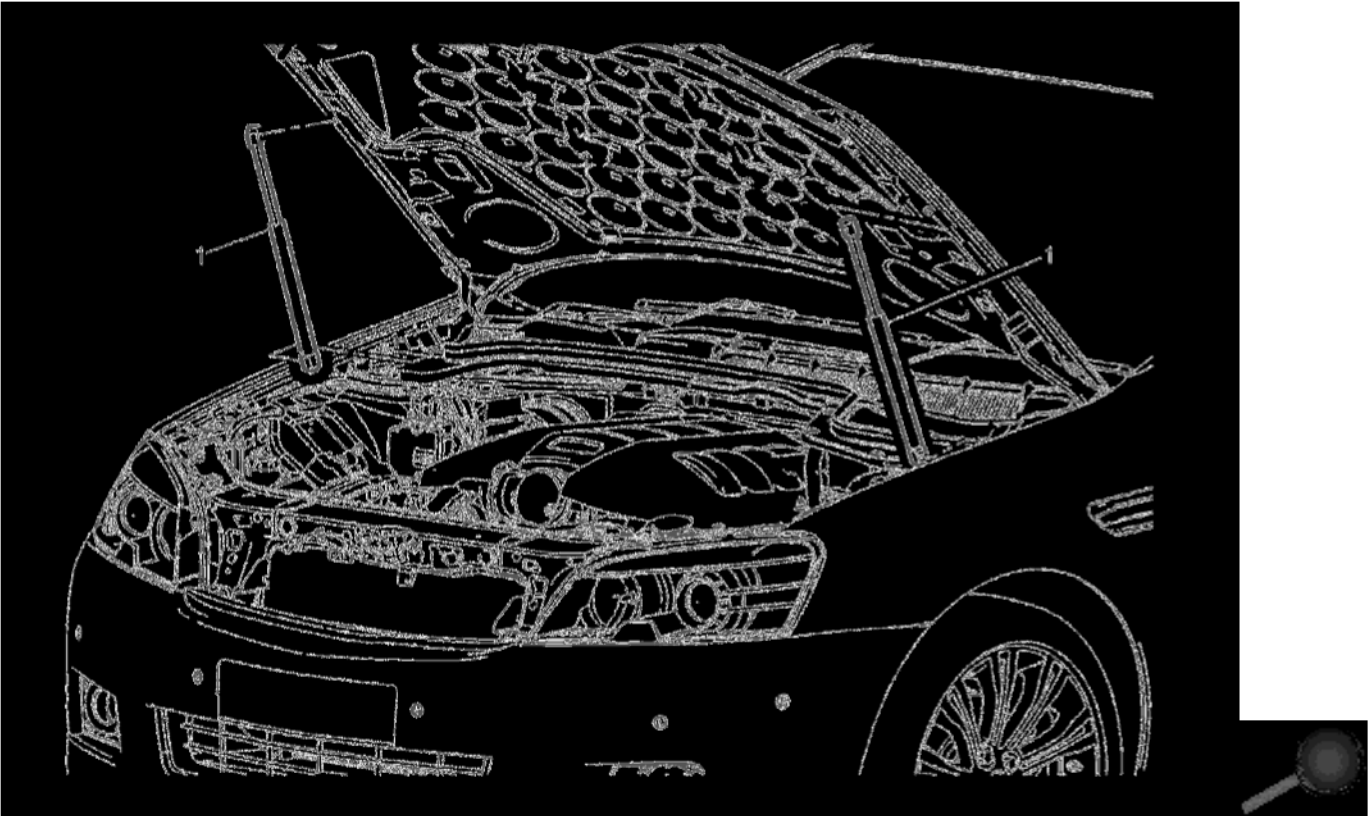
Callout	Component Name
	Hood Strut Warning: When a hood hold open device is being removed or installed, provide alternate support to avoid the possibility of damage to the vehicle or personal injury. Caution: Apply pressure only at the end of the liftgate/hood assist rod that you are removing or attaching. Do NOT apply pressure to the middle of the rod because damage or bending will result.

1

Procedure

1. Remove the metal clip at the ends of the hood strut, then pull the hood strut away from the stud.
2. Ensure the clip is fully seated when the rod is reinstalled. If the clip cannot be fully seated, a new rod should be installed.

Hood Strut Replacement (Long Wheelbase)



Hood Strut Replacement

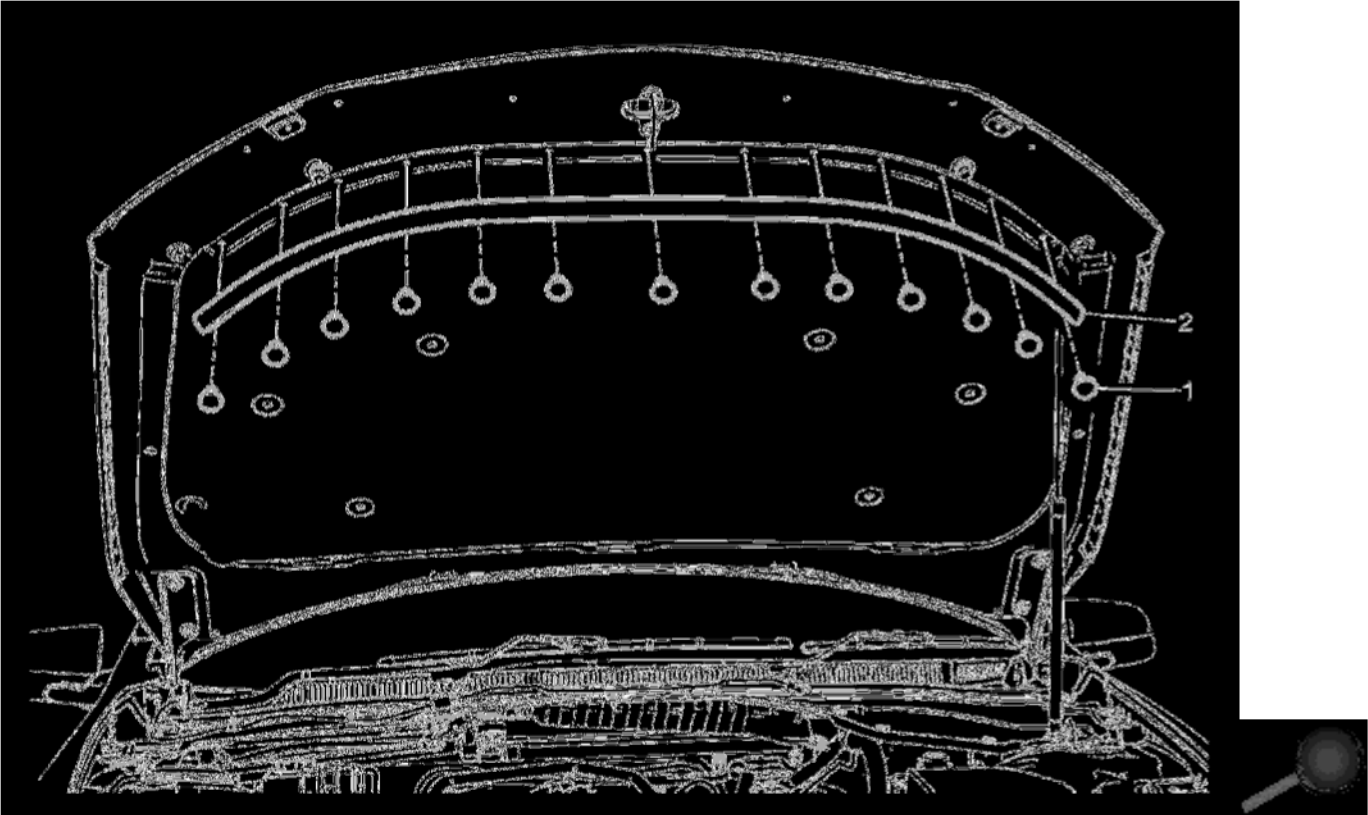
Callout	Component Name
	Hood Strut (Qty 2) Warning: When a hood hold open device is being removed or installed, provide alternate support to avoid the possibility of damage to the vehicle or personal injury. Caution: Apply pressure only at the end of the liftgate/hood assist rod that you are removing or attaching. Do NOT apply pressure to the middle of the rod because damage or bending will result.

1

Procedure

1. Remove the metal clip at the ends of the hood strut, then pull the hood strut away from the stud.
2. Ensure the clip is fully seated when the rod is reinstalled. If the clip cannot be fully seated, a new rod should be installed.

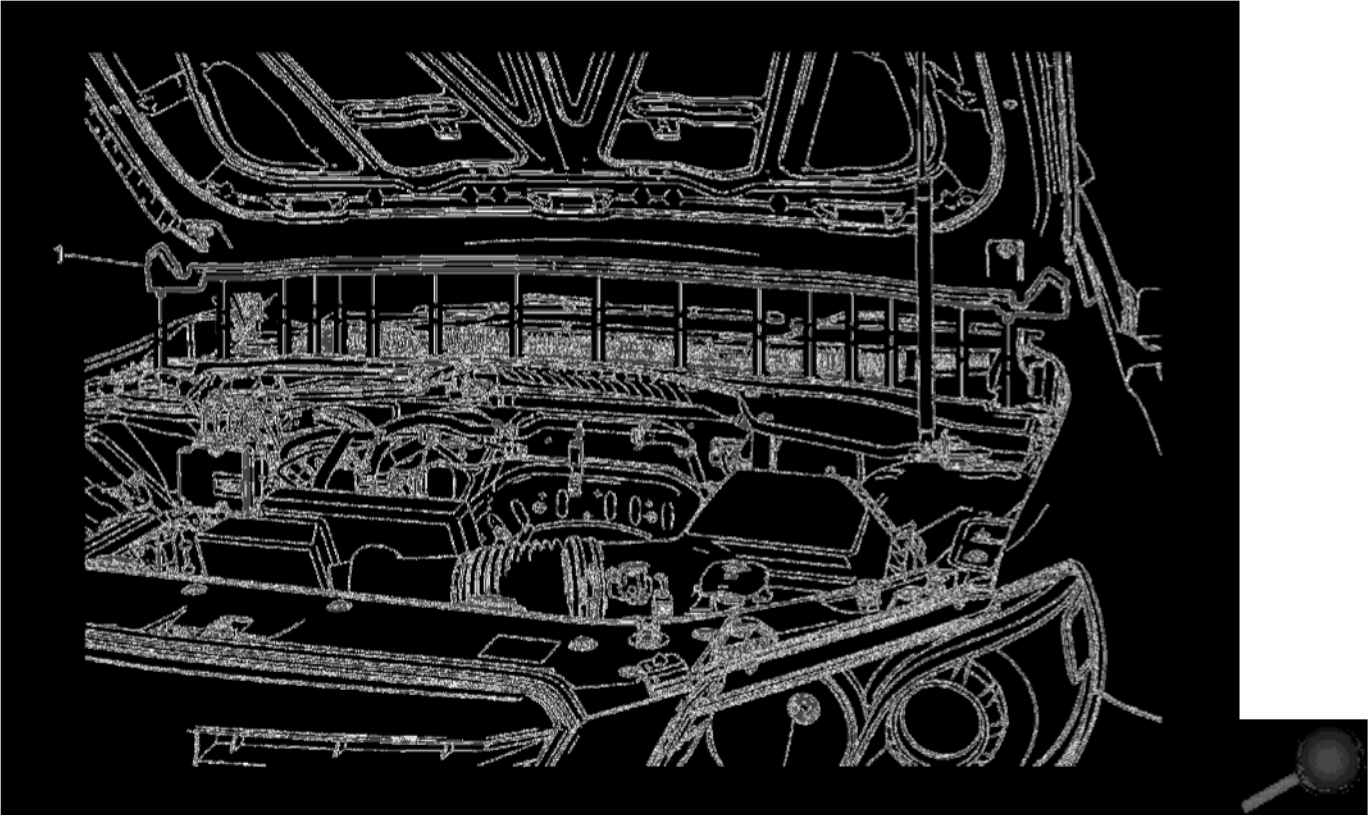
Hood Front Weatherstrip Replacement



Hood Front Weatherstrip Replacement

Callout	Component Name
1	Hood Front Weatherstrip Retainer (Qty: 13)
2	Hood Front Weatherstrip

Hood Rear Weatherstrip Replacement

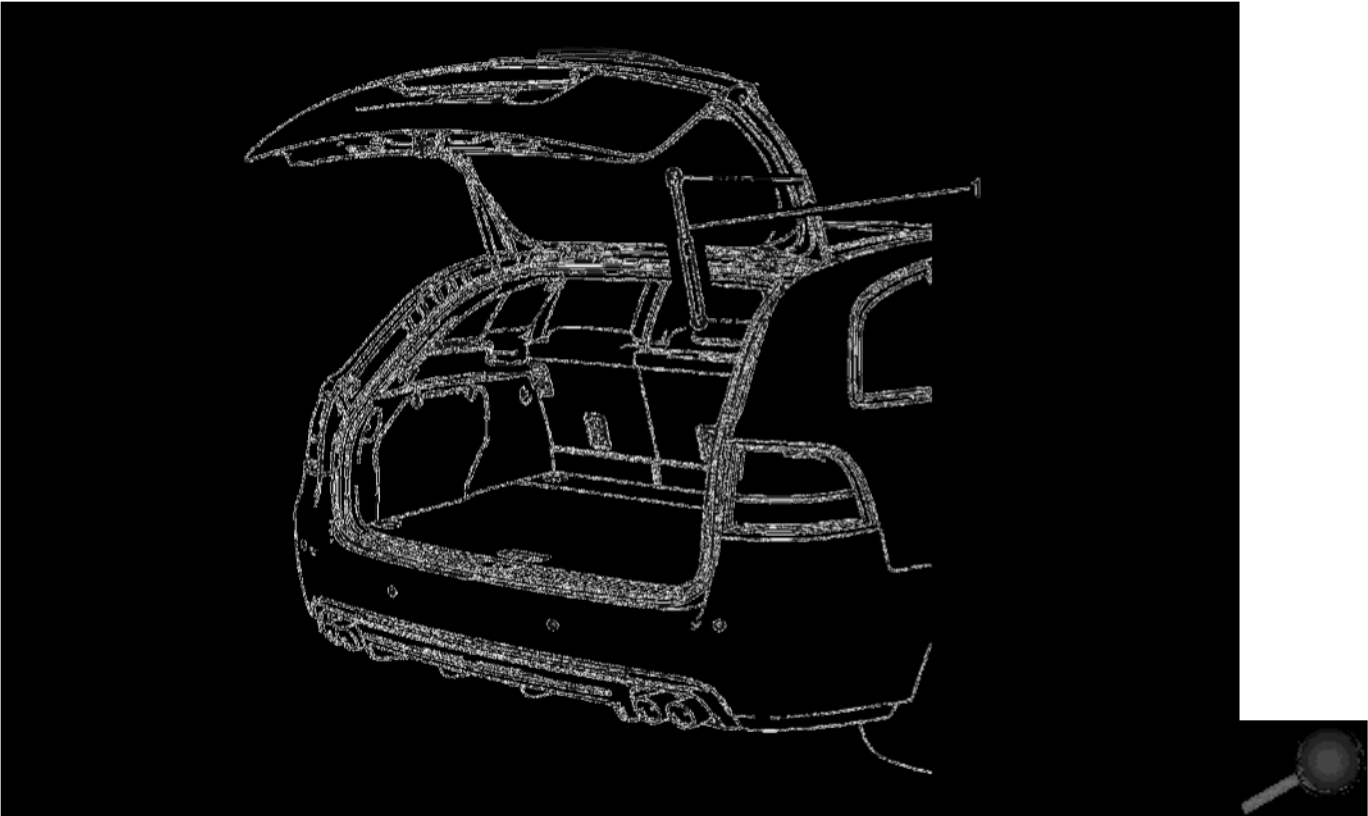


Hood Rear Weatherstrip Replacement

Callout	Component Name
1	Hood Rear Weatherstrip Procedure © 2014 General Motors. All rights reserved. 1. Use a suitable tool to release the push-in retainers at each end of the weatherstrip. 2. The hood rear weather-strip is held in place with 14 plastic retainers that are part of the air inlet grille. Carefully

pull the hood rear weatherstrip to the right/left to release the weatherstrip from the retainers on the air inlet grille.

Liftgate Strut Replacement (Sportwagon)



Liftgate Strut Replacement

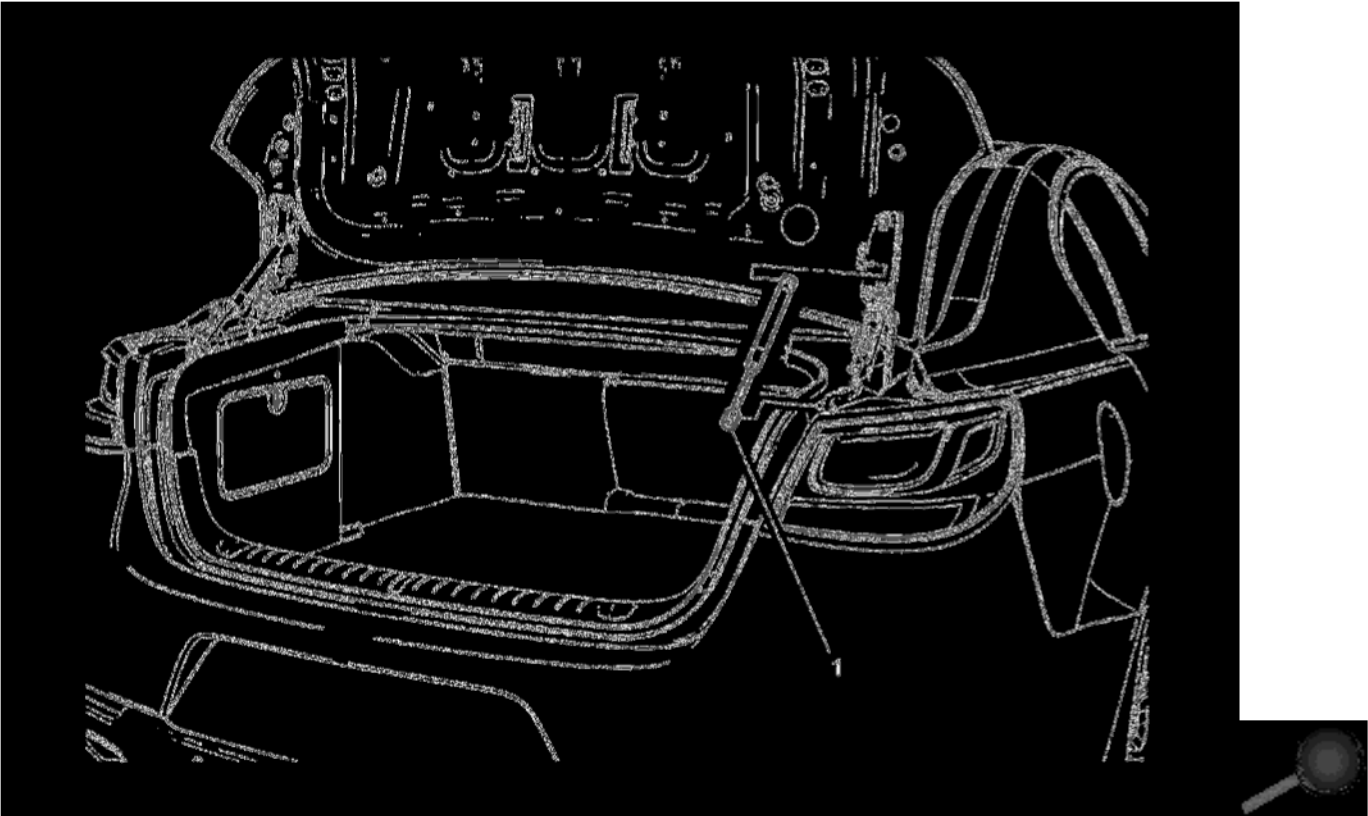
Callout	Component Name
	Liftgate Strut Rod (Qty 2) Warning: When a lift gate hold open device is being removed or installed, provide alternate support to avoid the possibility of damage to the vehicle or personal injury. Caution: Apply pressure only at the end of the liftgate/hood assist rod that you are removing or attaching. Do NOT apply pressure to the middle of the rod because damage or bending will result.

1

Procedure

1. Release the locking tabs on the strut.
2. Ensure the clip is fully seated when rod is reinstalled. If the clip cannot be fully seated, a new rod should be installed.

Rear Compartment Lid Strut Replacement (Short Wheelbase)

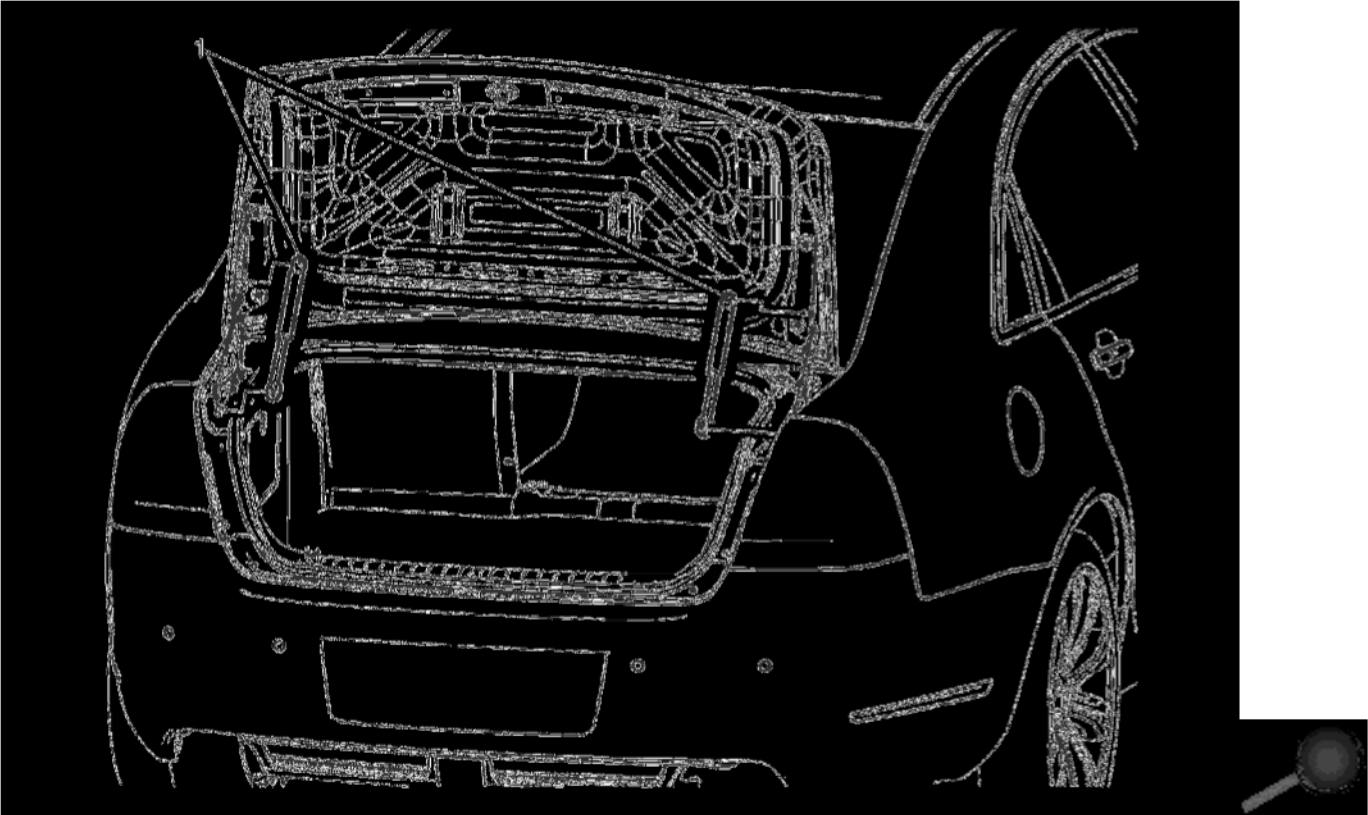


Rear Compartment Lid Strut Replacement

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. 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. © 2014 General Motors. All rights reserved.	

1	Rear Compartment Lid Strut (Qty 2) Procedure 1. Release the locking tabs on the strut. 2. Ensure the clip is fully seated when the rod is reinstalled. If the clip cannot be fully seated, a new rod should be installed.
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Rear Compartment Lid Strut Replacement (Long Wheelbase)

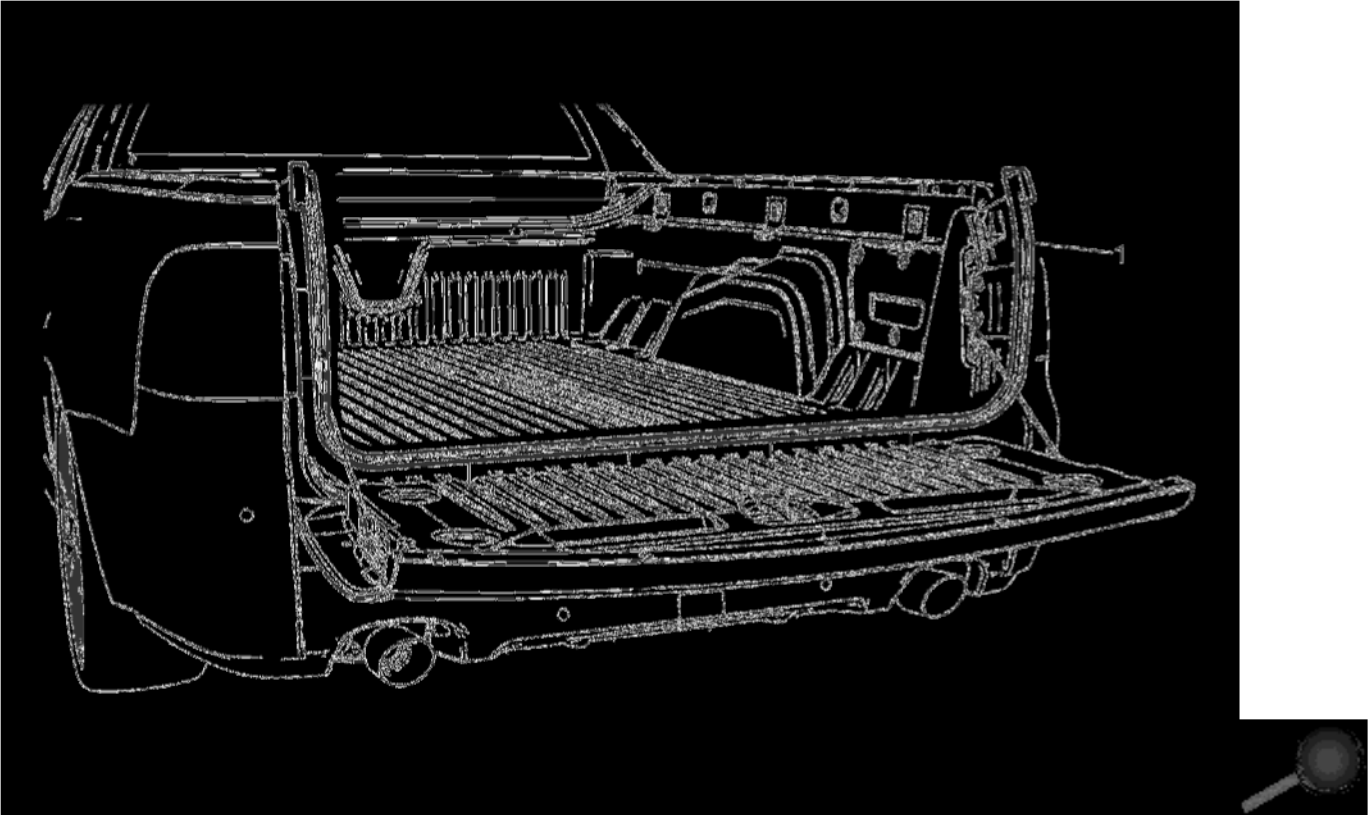


Rear Compartment Lid Strut Replacement

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. 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. © 2014 General Motors. All rights reserved.	

1	Rear Compartment Lid Strut Procedure 1. Release the locking tabs on the strut. 2. Ensure the clip is fully seated when the rod is reinstalled. If the clip cannot be fully seated, a new rod should be installed.
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Endgate Weatherstrip Replacement

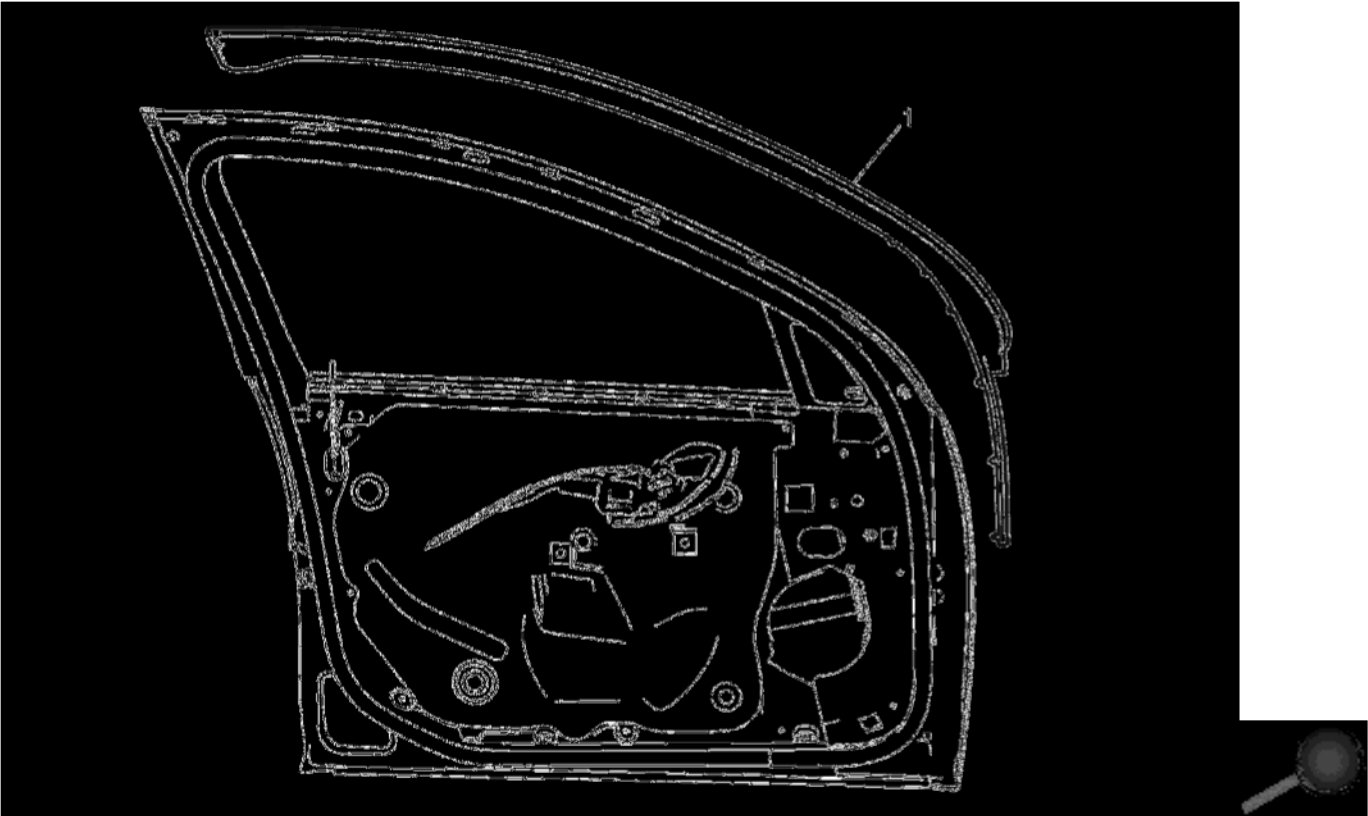


Endgate Weatherstrip Replacement

Callout	Component Name
1	Endgate Weatherstrip Procedure © 2014 General Motors. All rights reserved. 1. Seat and align the weatherstrip carrier end left to top of flange left side. 2. Seat and align the weatherstrip carrier end right to top of flange right side.

3. Load the weatherstrip center flush with the center of the flange.
4. Seat the remaining weatherstrip working downward and inward toward the center.

Front or Rear Side Door Upper Auxiliary Weatherstrip Replacement (Front)

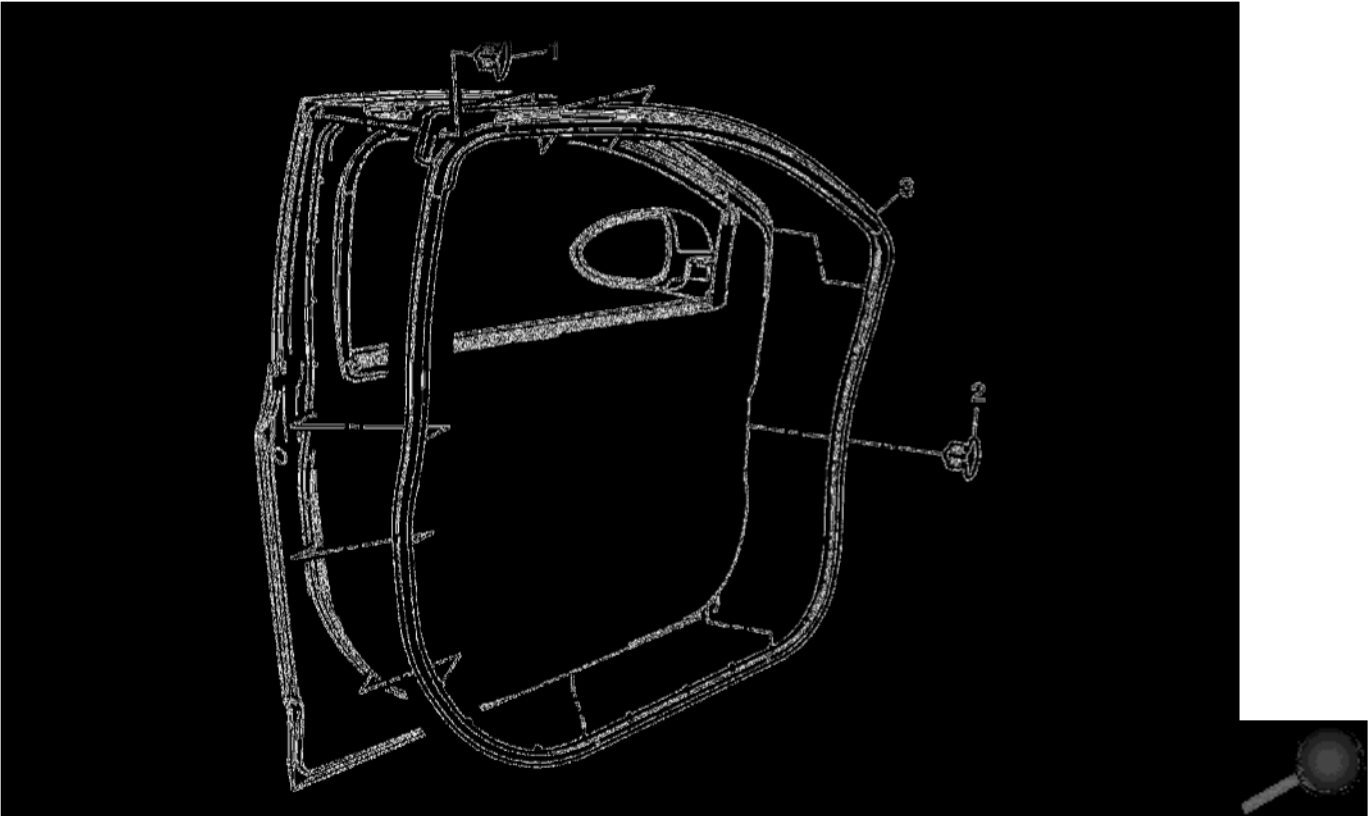


Front or Rear Side Door Upper Auxiliary Weatherstrip Replacement

Callout	Component Name
1	Front Side Door Upper Auxiliary Weatherstrip Procedure © 2014 General Motors. All rights reserved. 1. Open the front side door to the full open position. 2. Unclip the front side door upper auxiliary weatherstrip from the front side door.

Note: Inspect the door to ensure a proper seal after the weatherstrip has been replaced.

Front Side Door Weatherstrip Replacement - Door Side

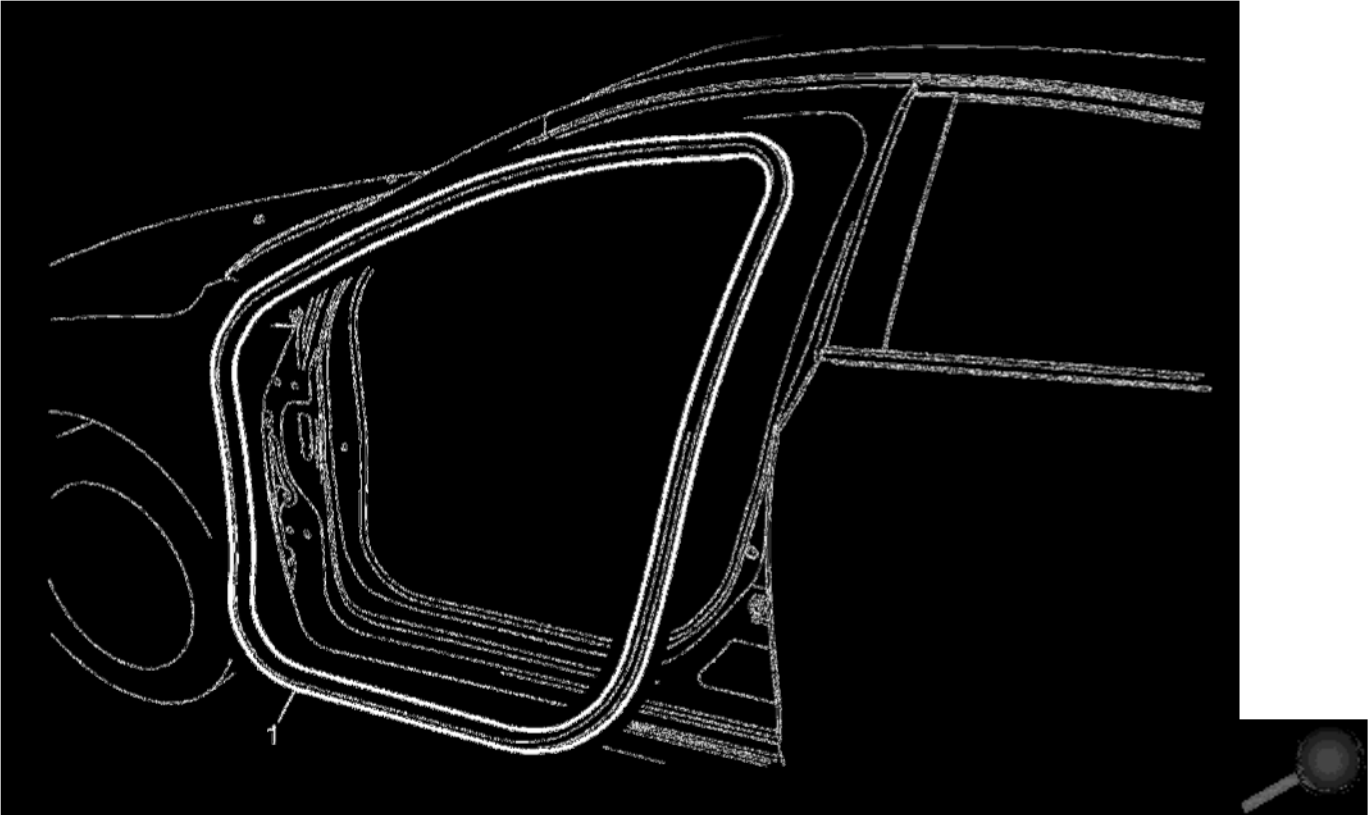


Front Side Door Weatherstrip Replacement - Door Side

Callout	Component Name
1	Front Side Door Weatherstrip Upper Clip (Qty:4) Procedure © 2014 General Motors. All rights reserved. 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.

	3. Using the appropriate tool, remove the push-in clip from the upper rear corner of the door. 4. Pull the weatherstrip out of the door frame.
2	Front Side Door Weatherstrip Clip (Qty:18)
3	Front Side Door Weatherstrip to Door Side Procedure Ensure that the weatherstrip is fully seated in the door frame. Note: Inspect the door to ensure a proper seal after the weatherstrip has been replaced.

Front Side Door Weatherstrip Replacement - Body Side



Front Side Door Weatherstrip Replacement - Body Side

Callout	Component Name
Preliminary Procedure	
1. Remove the front sill trim panel. Refer to Front Side Door Sill Trim Panel Replacement .	
2. Remove the center pillar lower trim. Refer to Center Pillar Lower Trim Panel Replacement .	
3. Remove the center pillar upper trim. Refer to Center Pillar Upper Trim Panel Replacement .	

4. Remove the body hinge pillar garnish molding. Refer to [Body Lock Pillar Garnish Molding Replacement](#).
5. Remove the windshield garnish molding. Refer to [Windshield Garnish Molding Replacement](#).

1

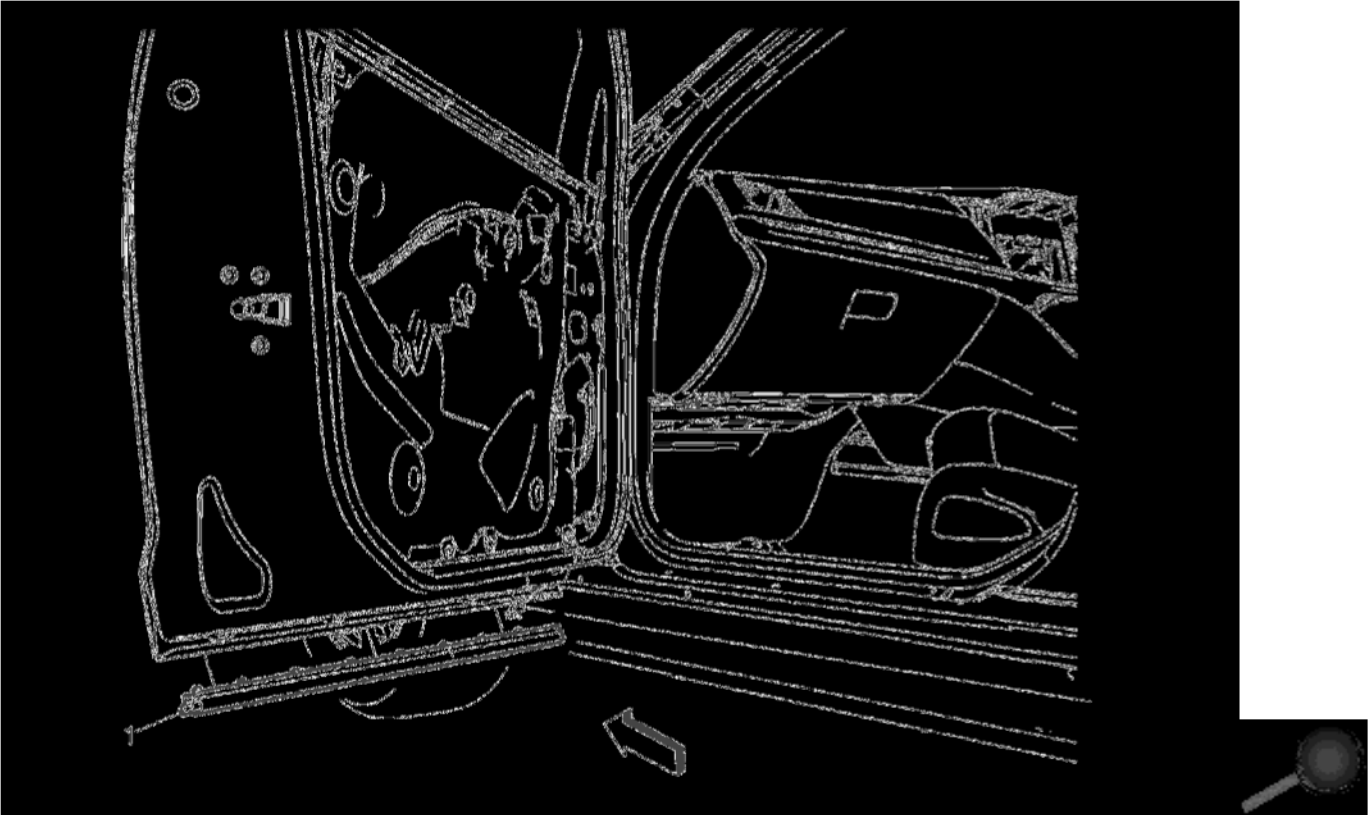
Front Side Door Weatherstrip to Body Side

Procedure

1. Start at the rear upper corner of the door opening and pull the weatherstrip away from the door opening flange.
2. Position the weatherstrip in the upper corner of the center pillar.
3. Working downward along the front edge, install the weatherstrip on the door opening flange ensuring that the carrier is fully seated in the corners.
4. Using a rubber mallet, ensure that the weatherstrip is seated on the entire door opening flange.

Note: Inspect the door to ensure a proper seal after the weatherstrip has been replaced.

Front Side Door Lower Auxiliary Weatherstrip Replacement

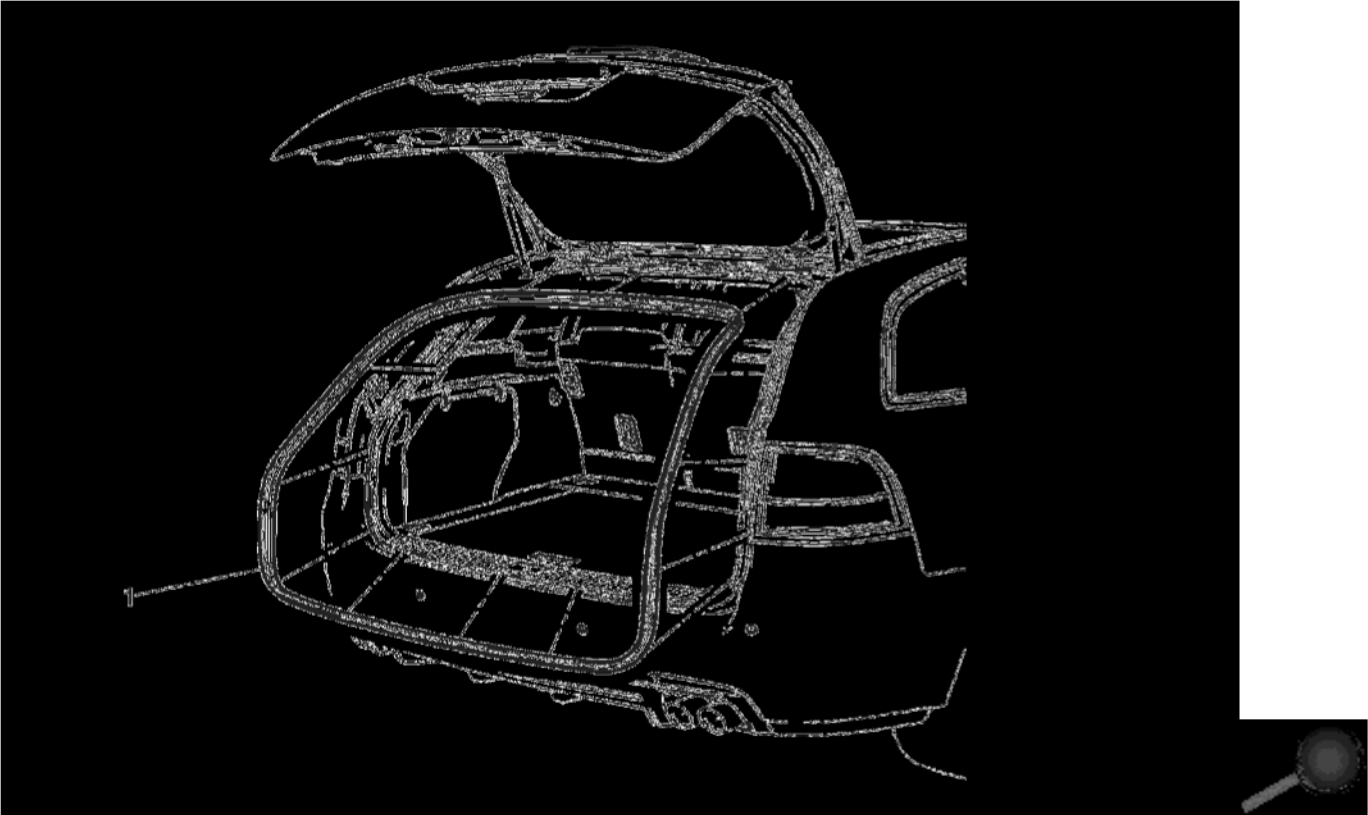


Front Side Door Lower Auxiliary Weatherstrip Replacement

Callout	Component Name
1	Front Side Door Lower Auxiliary Weatherstrip Procedure © 2014 General Motors. All rights reserved. 1. Open the front side door to full open position. 2. Unclip the front side door lower auxiliary weatherstrip from the front door.

Note: Inspect the door to ensure a proper seal after the weatherstrip has been replaced.

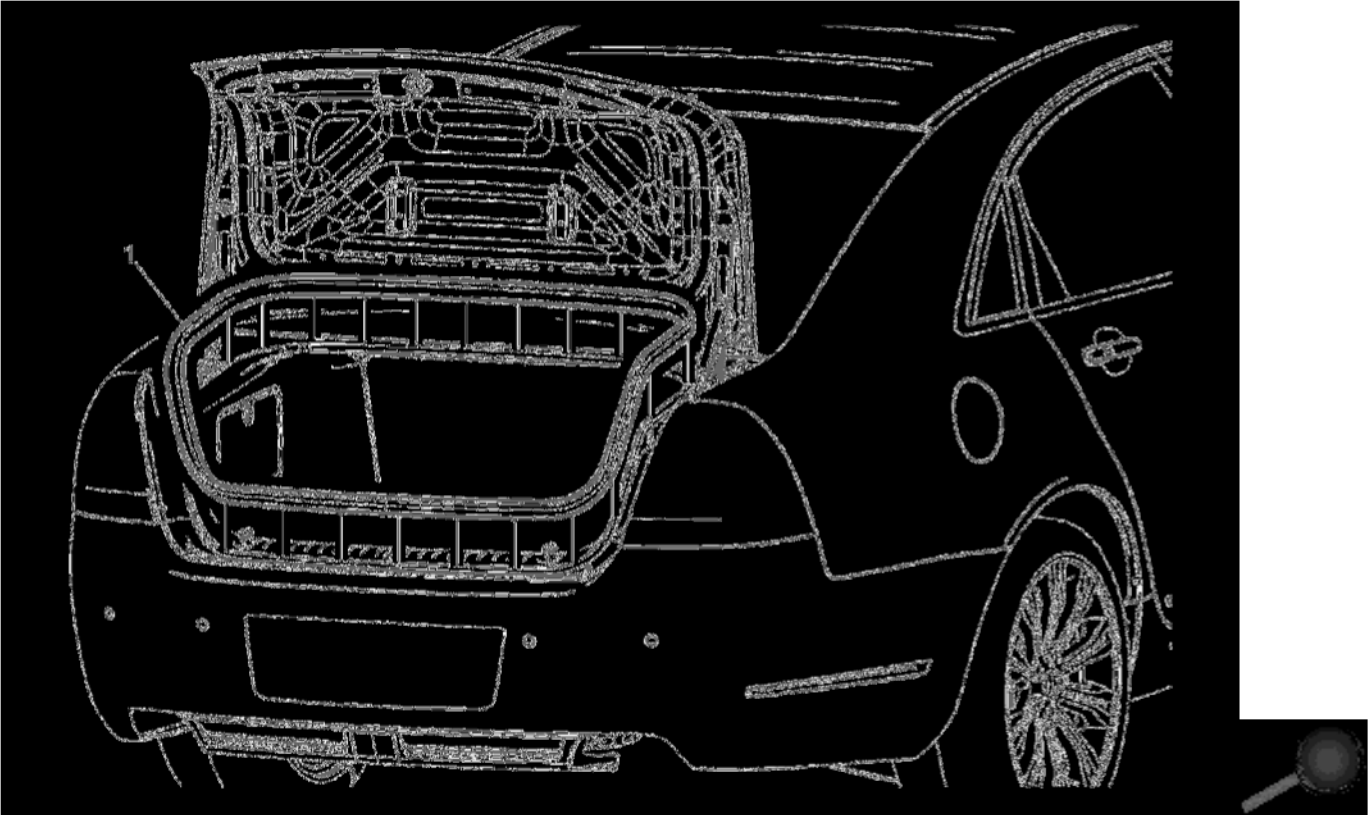
Liftgate Weatherstrip Replacement (Sportwagon)



Liftgate Weatherstrip Replacement

Callout	Component Name
1	Liftgate Weatherstrip Procedure © 2014 General Motors. All rights reserved. Clean the area where the seal will be mounted. Use a suitable solvent with a mixture of 50 percent isopropyl alcohol and 50 percent water by volume, or high-flash naphtha.

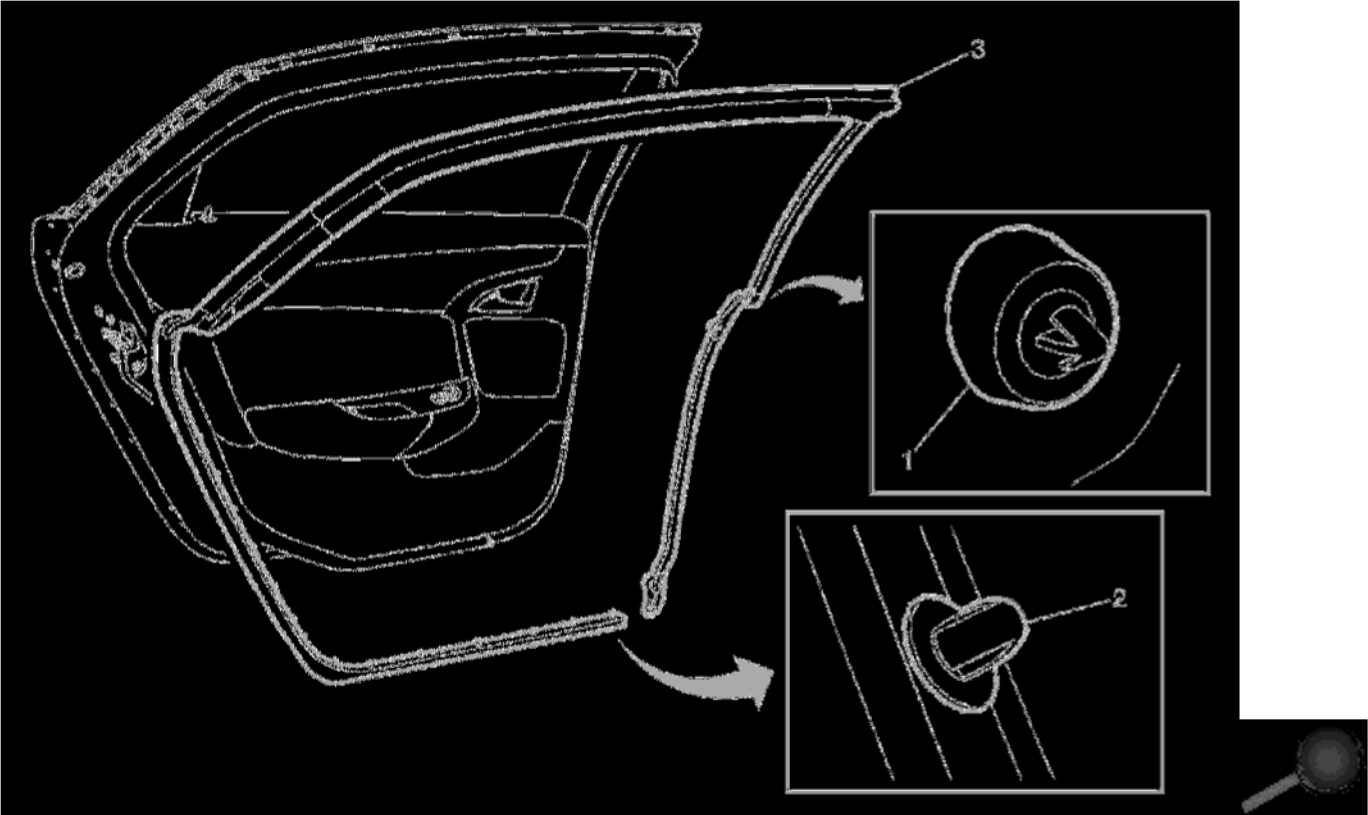
Rear Compartment Lid Weatherstrip Replacement



Rear Compartment Lid Weatherstrip Replacement

Callout	Component Name
1	Compartment Lid Weatherstrip Procedure © 2014 General Motors. All rights reserved. Clean the mounting surface using a mixture of 50 percent isopropyl alcohol and 50 percent water by volume, or high-flash naphtha.

Rear Side Door Weatherstrip Replacement - Door Side (Sedan)

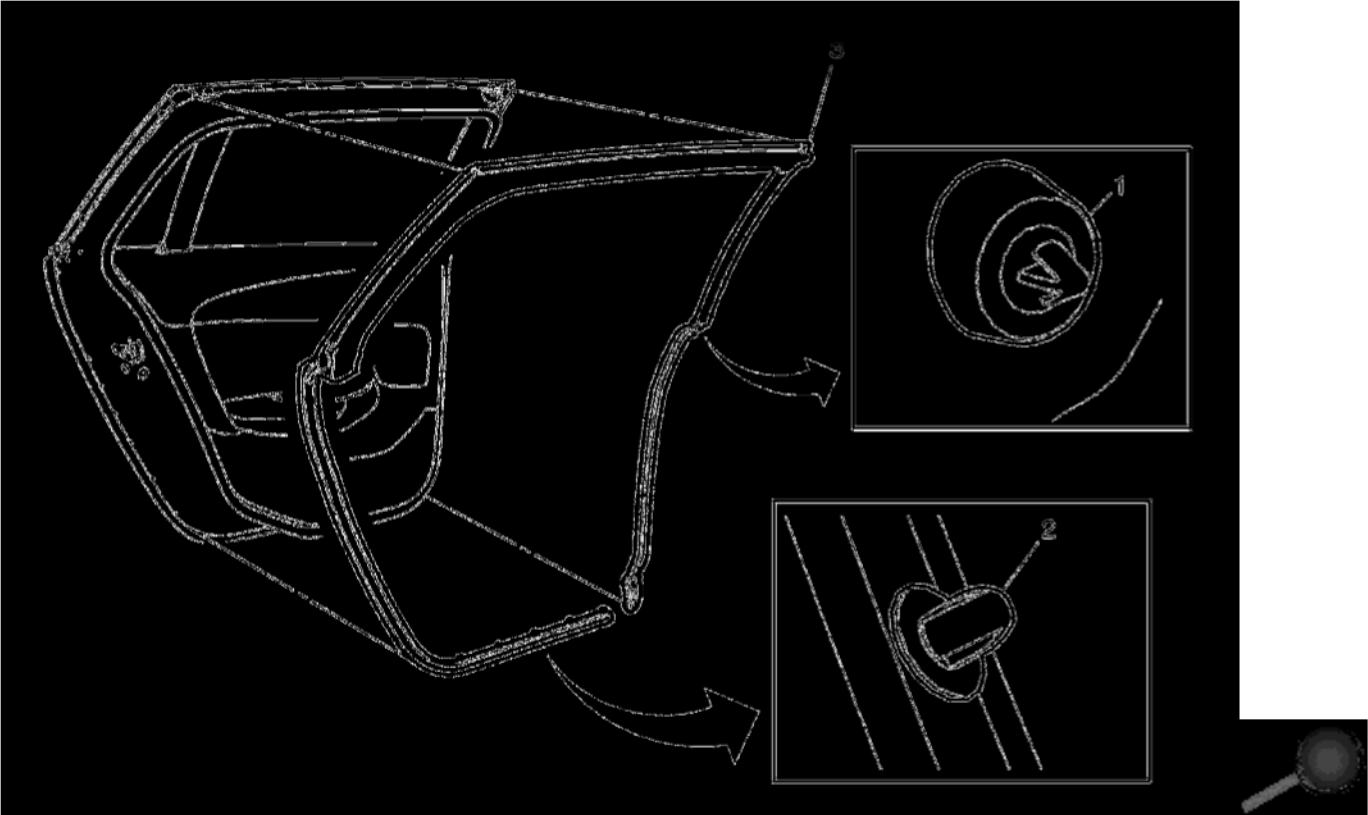


Front or Rear Side Door Upper Auxiliary Weatherstrip Replacement

Callout	Component Name
1	Rear Side Door Upper Auxiliary Weatherstrip Upper Retainers (Qty :4) Procedure 1. Open the rear side door to the full open position. 2. Use a suitable tool, remove the push-in retainers from the corners of the door.

	3. Pull the weatherstrip out of the door frame.
2	Rear Side Door Upper Auxiliary Weatherstrip Lower Retainers (Qty :18)
3	Rear Side Door Upper Auxiliary Weatherstrip Procedure Ensure that the weatherstrip is fully seated in the door frame. Note: Inspect the door to ensure a proper seal after weatherstrip has been replaced.

Rear Side Door Weatherstrip Replacement - Door Side (Sportwagon)

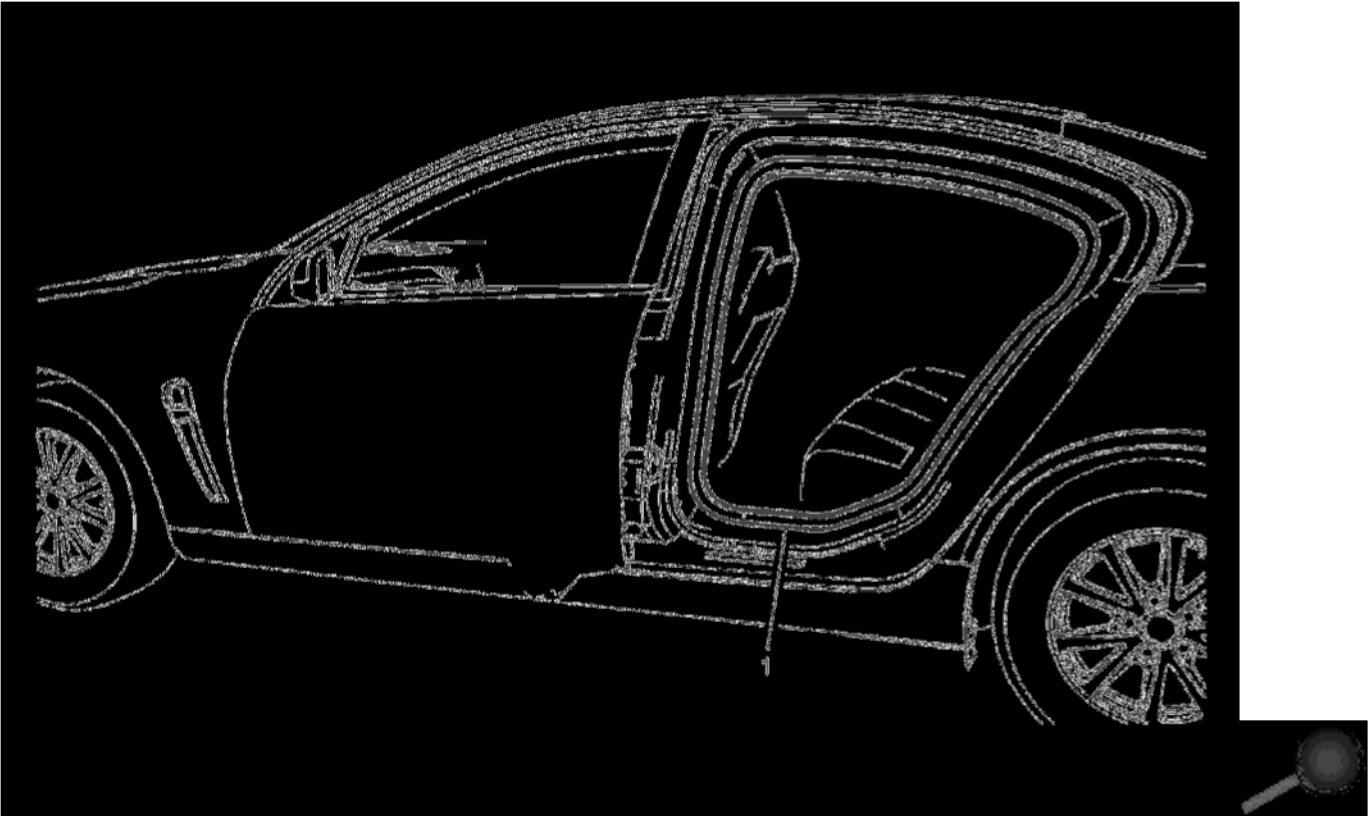


Front or Rear Side Door Upper Auxiliary Weatherstrip Replacement

Callout	Component Name
1	Rear Side Door Upper Auxiliary Weatherstrip Upper Retainers (Qty :4) Procedure 1. Open the rear side door to the full open position. 2. Use a suitable tool, remove the push-in retainers from the corners of the door.

	3. Pull the weatherstrip out of the door frame.
2	Rear Side Door Upper Auxiliary Weatherstrip Lower Retainers (Qty :18)
3	Rear Side Door Upper Auxiliary Weatherstrip Procedure Ensure that the weatherstrip is fully seated in the door frame. Note: Inspect the door to ensure a proper seal after weatherstrip has been replaced.

Rear Side Door Weatherstrip Replacement - Body Side

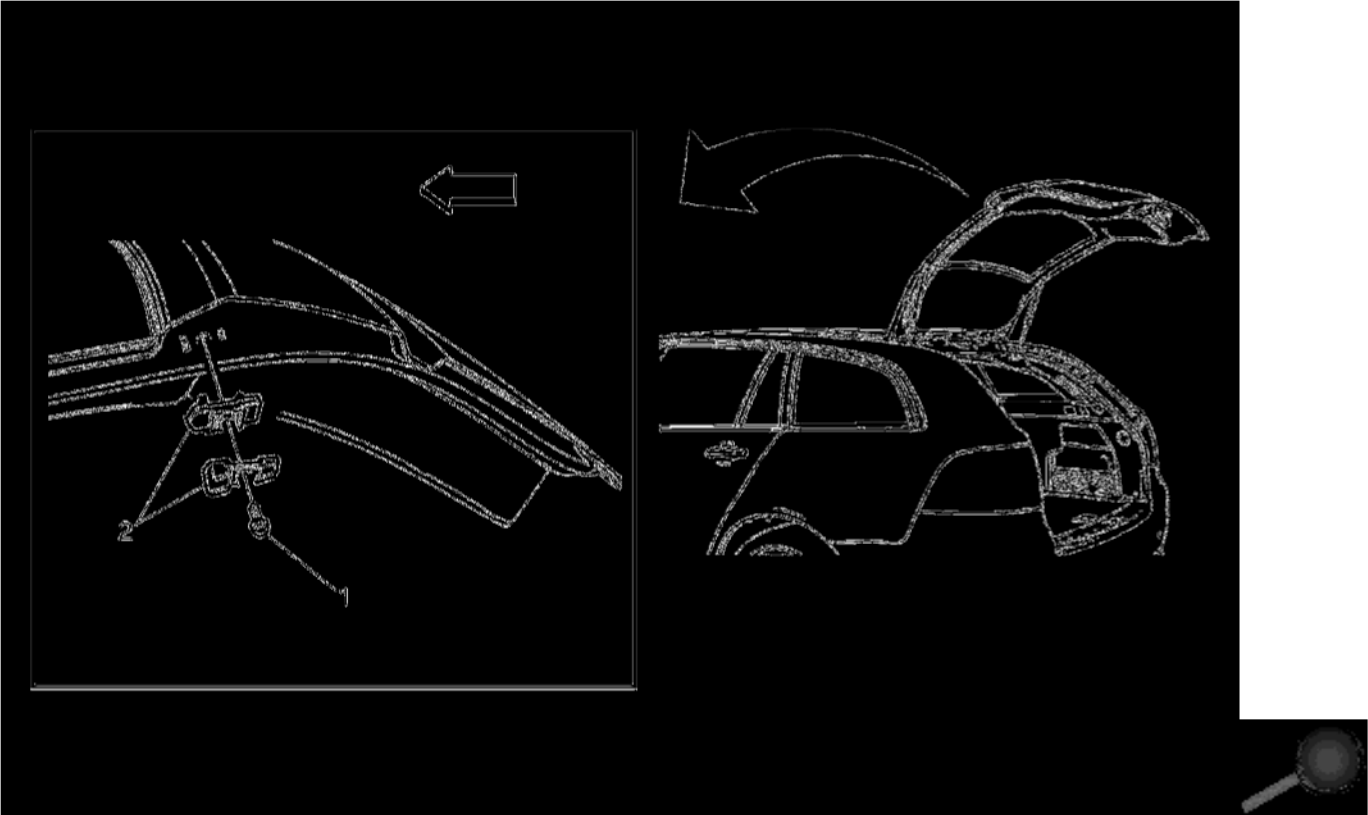


Rear Side Door Weatherstrip Replacement - Body Side

Callout	Component Name
Preliminary Procedure	
1. Remove the rear sill trim panel. Refer to Rear Side Door Sill Panel Molding Replacement .	
2. Remove the center pillar lower trim. Refer to Center Pillar Lower Trim Panel Replacement .	
3. Remove the center pillar upper trim. Refer to Center Pillar Upper Trim Panel Replacement .	

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. Working downward along the front edge, install the weatherstrip on the door opening flange ensuring that the carrier is fully seated in the corners. 4. Using a rubber mallet, ensure that the weatherstrip is seated on the entire door opening flange. Note: Inspect the door to ensure a proper seal after the weatherstrip has been replaced.
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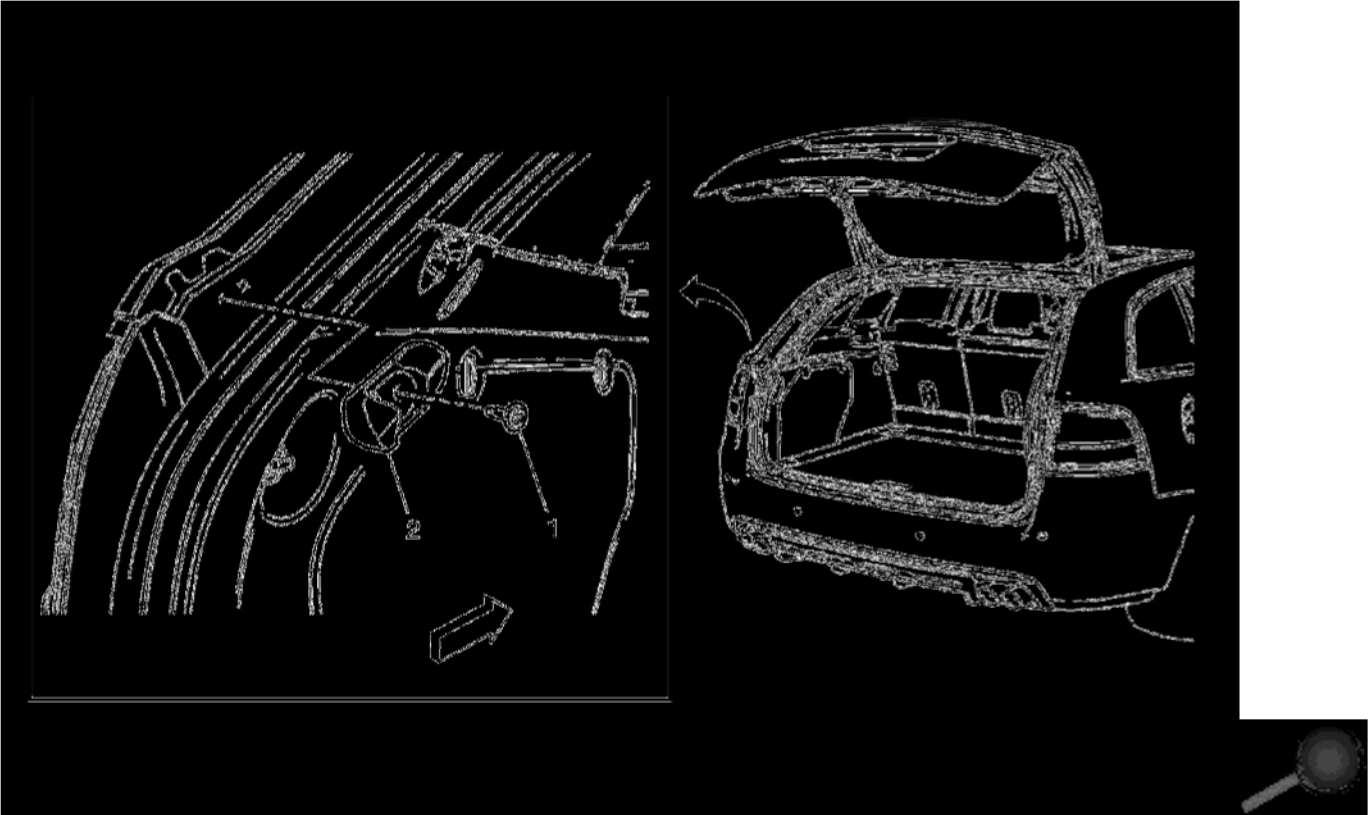
Liftgate Wedge Replacement (Sportwagon)



Liftgate Wedge Replacement

Callout	Component Name
1	Liftgate Wedge Bolt Caution: Refer to Fastener Caution. Tighten 10 N•m (7 lb ft)

Liftgate Wedge Replacement - Body Side (Sportwagon)



Liftgate Wedge Replacement - Body Side

Callout	Component Name
1	Liftgate Wedge Bolt Caution: Refer to Fastener Caution . Tighten 10 N•m (7 lb ft)

Fastener Tightening Specifications

Fastener Tightening Specifications

Application	Specification	
	Metric	English
Dash and Cowl Panel Support Bolt	22 N•m	16 lb ft
Front Side Door Check Link Bolt	25 N•m	18 lb ft
Front Side Door Lower Hinge Bolt	28 N•m	21 lb ft
Front Side Door Upper Hinge Bolt	28 N•m	21 lb ft
Endgate Cable to Body Bolt	27 N•m	20 lb ft
Endgate Hinge to Body Bolt	22 N•m	16 lb ft
Endgate Hinge to Endgate Bolt	22 N•m	16 lb ft
Front Bumper Impact Bar to Front End Module Carrier Bolt	25 N•m	18 lb ft
Front End Panel Module Carrier Assembly Lower Bolt	20 N•m	15 lb ft
Front End Panel Module Carrier Assembly Upper Bolt	20 N•m	15 lb ft
Front Fender Bolt	9 N•m	80 lb in
Front Fender Upper Bolt	9 N•m	80 lb in

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Fuel Tank Filler Door Hinge Bolts	2 N•m	18 lb in
Fuel Tank Filler Door Latch Housing Bolts	2 N•m	18 lb in
Hood Hinge Bolt	22 N•m	16 lb ft
Hood Hinge to Fender Bolt	9 N•m	80 lb in
Hood Hinge to Hood (Caprice)	22 N•m	16 lb ft
Hood Hinge to Hood Nut	22 N•m	16 lb ft
Hood Latch to Front End Module Bolt	22 N•m	16 lb ft
Liftgate Hinge Body Bolt (Sportwagon)	58 N•m	43 lb ft
Liftgate Hinge Nut (Sportwagon)	22 N•m	16 lb ft
Liftgate Hinge to Liftgate Bolt (Sportwagon)	22 N•m	16 lb ft
Liftgate Wedge Bolt	10 N•m	89 lb in
Pickup Box Endgate Liner Bolt	1.4 N•m	12 lb in
Rear Compartment Lid Bolt	10 N•m	89 lb in
Rear Compartment Lid Hinge Bolt	22 N•m	16 lb ft
Rear Compartment Lid Hinge Nut	22 N•m	16 lb ft
Rear Compartment Lid Hinge to Rear Quarter Panel Bolt	22 N•m	16 lb ft
Rear Compartment Lid Latch Release Cable Bolt	2.5 N•m	22 lb in

Rear Side Door Check Link Body Side Bolt	25 N•m	18 lb ft
Rear Side Door Handle Bracket Bolt	9 N•m	80 lb in
Rear Side Door Lower Hinge Bolt to Body	28 N•m	21 lb ft
Rear Side Door Upper Hinge Bolt to Body	28 N•m	21 lb ft

