

# **Cadillac XLR**

## **2009**



**- Update Version -**

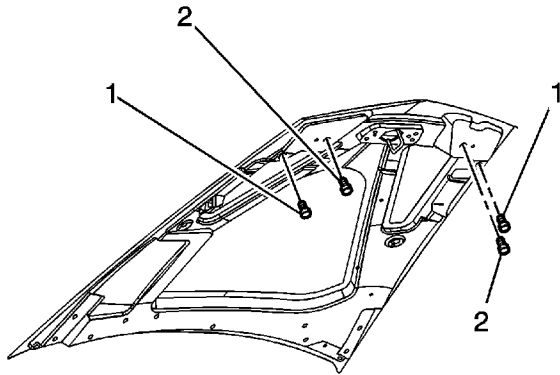
## Fastener Tightening Specifications

Application	Specification	
	Metric	English
Door Hinge Bolts	30 N·m	22 lb ft
Front Fender Bolts	9 N·m	80 lb in
Front Fender Screws	9 N·m	80 lb in
Fuel Door Release Cable To The Pocket Nut	2 N·m	18 lb in
Fuel Tank Filler Door Screws	2 N·m	18 lb in
Fuel Tank Filler Pipe Housing Screws	2 N·m	18 lb in
Hood Assist Rod Ball Stud	9 N·m	80 lb in
Hood Latch Bolts	9 N·m	80 lb in
Hood Latch Release Cable Handle Screws	2 N·m	18 lb in
Lower Hood Hinge Bolts	25 N·m	18 lb ft
Rear Quarter Panel To The Door Lock Pillar And The Rear Compartment Frame Screws	3 N·m	27 lb in
Rear Quarter Panel To The Rear Compartment Stud Nuts	5 N·m	44 lb in
Secondary Hood Latch Bolts	9 N·m	80 lb in
Side Window Filler Panel Applique Inner Screws	3 N·m	27 lb in
Side Window Filler Panel Applique Lower Screw	3 N·m	27 lb in
Upper Hood Hinge Bolts	9 N·m	80 lb in
Windshield Weatherstrip Side Retainer Screws	3 N·m	27 lb in

## Hood Bumper Replacement

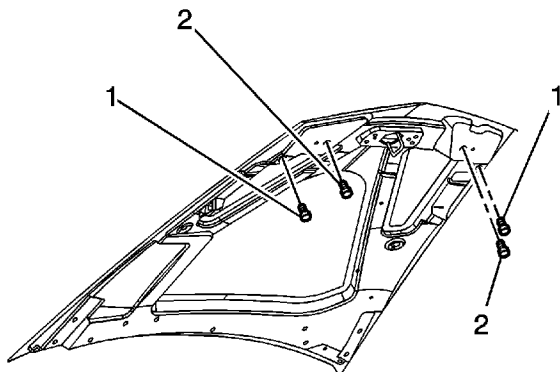
### Removal Procedure

1. Open the hood.



2. Remove the adjustable front hood bumpers (1) from the vehicle.
3. Remove the front hood bumpers (2) from the vehicle.

### Installation Procedure



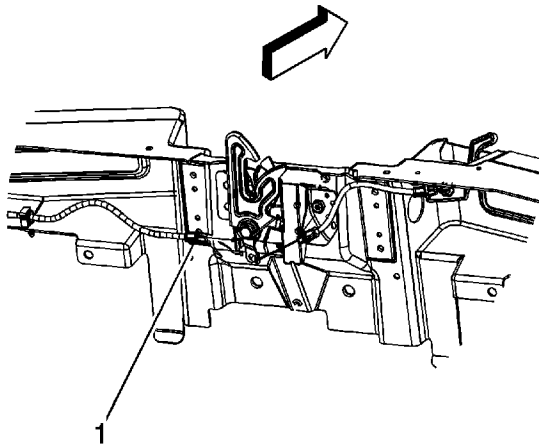


1. Install the front hood bumpers (2) to the vehicle.
2. Install the adjustable front hood bumpers (1) to the vehicle.
3. Adjust the front hood bumpers (1) so that the hood is flush with the fenders.
4. After the adjustment is performed, a sufficient load must remain on the front hood bumpers to eliminate hood flutter. This can be achieved by lowering the hood latch an additional 4 mm (1/8 in), for front flutter.
5. Close the hood.

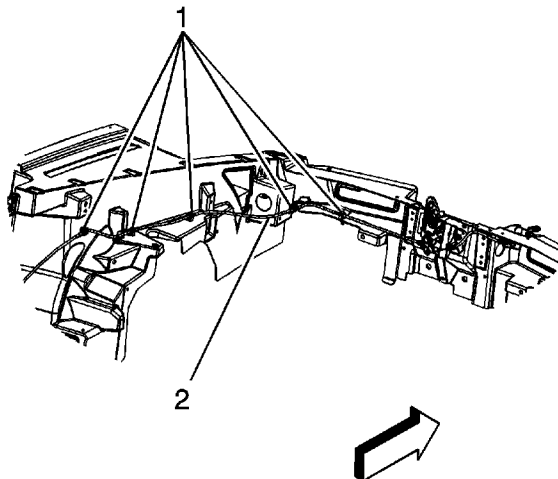
## Hood Primary Latch Release Cable Replacement

### Removal Procedure

1. Open the hood.
2. Remove the front section of the air cleaner assembly. Refer to [Air Cleaner Assembly Replacement](#).
3. Remove all related panels and components.

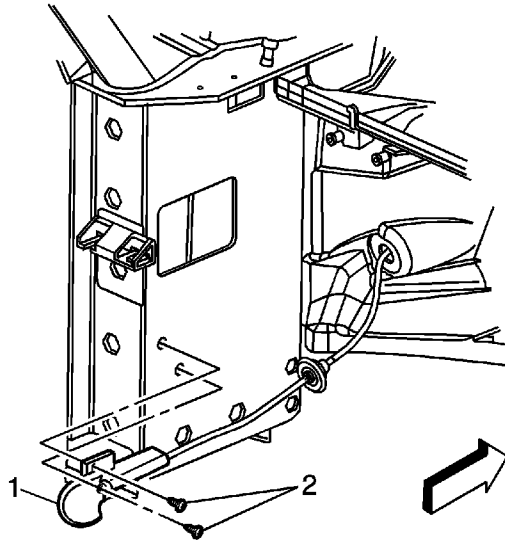


4. Disconnect the hood release cable (1) from the hood latch.

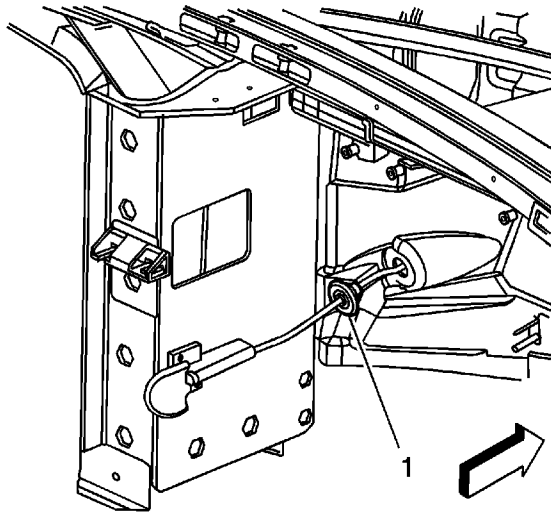


5. Open the clips (1) retaining the hood release cable (2) to the vehicle.

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6. Remove the screws (2) securing the hood release handle (1) to the vehicle.

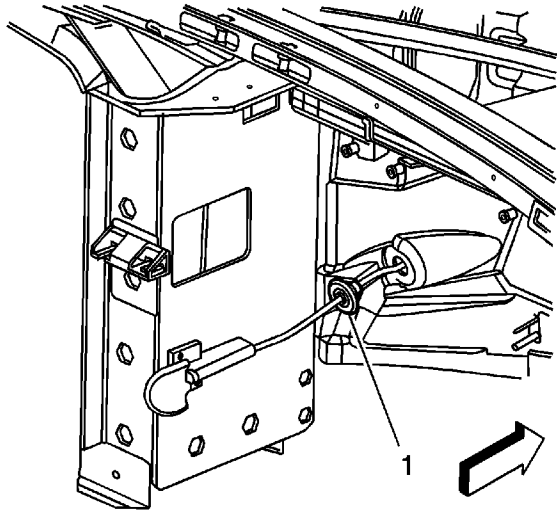


7. Remove the hood release cable grommet (1) from the front of dash panel.

8. Remove the hood release cable from the vehicle.

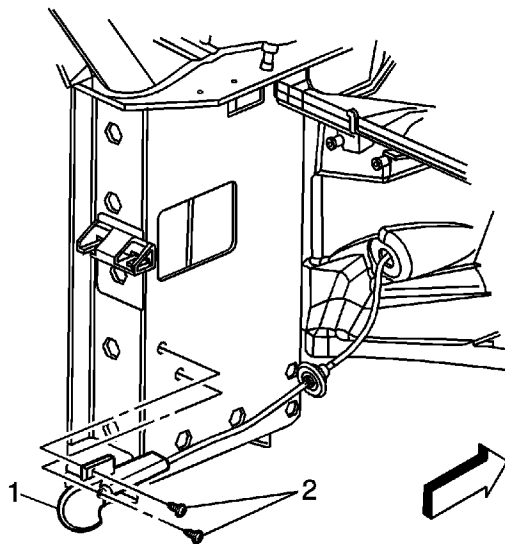
## Installation Procedure

1. Position the hood release cable to the vehicle.

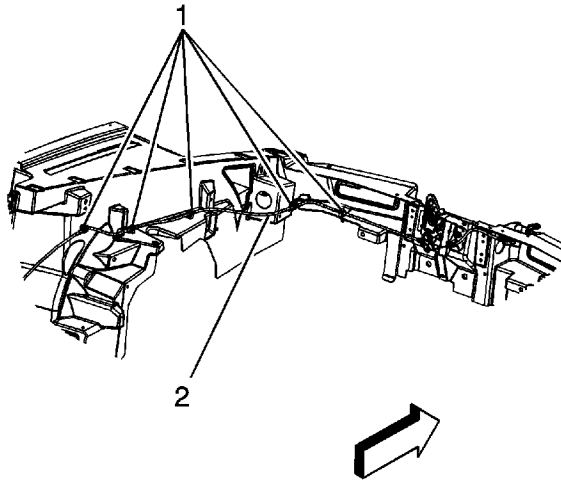


2. Install the hood release cable grommet (1) to the front of dash panel.

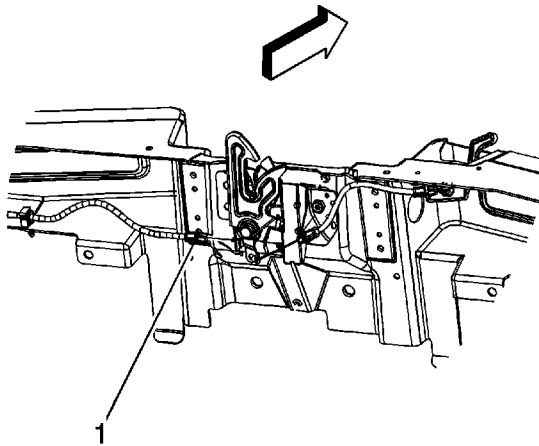
**Caution:** Refer to [Fastener Caution](#) in the Preface section.



3. Install the screws (2) securing the hood release handle (1) to the vehicle and tighten to **2 N·m (18 lb in)**.



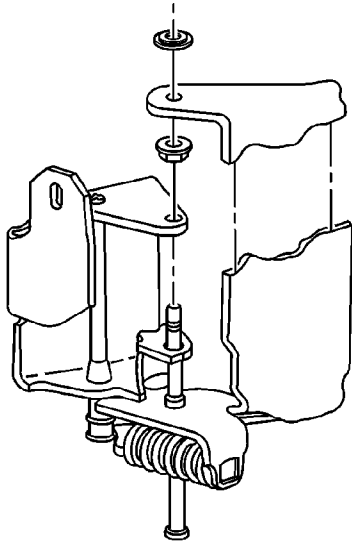
4. Install the hood release cable to the clips (1) retaining the cable (2) to the vehicle.



5. Connect the hood release cable (1) to the hood latch.
6. Install all related panels and components.
7. Install the front section of the air cleaner assembly. Refer to [Air Cleaner Assembly Replacement](#).
8. Close the hood.



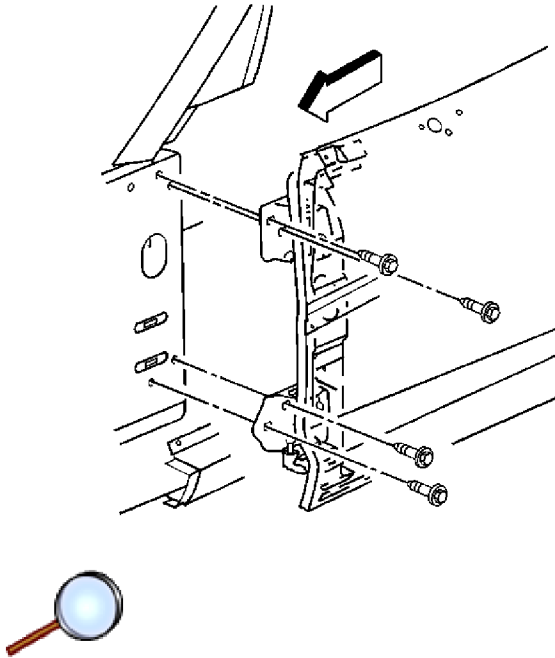
## Door Hardware Lubrication



The mechanical components of the door are lubricated during assembly. If additional lubrication is required to any door hardware mechanism, lubricate with Lubriplate Spray-Lube GM P/N 1052349 (Canadian P/N 992723), Lubriplate Auto-Lube GM P/N 1052196 (Canadian P/N 5264008), or equivalent. Lubrication of the door hinge roller is not recommended, lubricating the door hinge roller may allow the door hinge roller to slide against the door check link contacting surfaces causing uneven wear to the door hinge roller.

## Front Side Door Adjustment

### Up/Down Adjustment Procedure



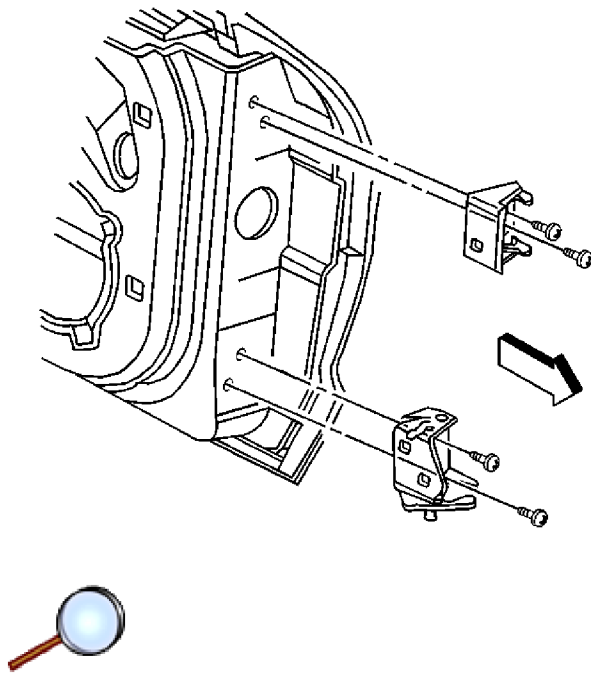
**Note:** Loosen one set of hinge bolts at a time and move the hinge not the door. Be sure to re-tighten the hinge bolts before loosening and adjusting the other hinge.

1. Loosen the upper hinge to hinge pillar bolts.
2. Reposition the hinge up to raise or down to lower the door.

**Caution:** Refer to [Fastener Caution](#) in the Preface section.

3. Tighten the upper hinge bolts to **30 N·m (22 lb in)**.
4. Loosen the lower hinge to hinge pillar bolts.
5. Reposition the hinge.
6. Tighten the lower hinge bolts to **30 N·m (22 lb in)**.
7. Repeat the procedure for additional adjustment if necessary.

### In/Out Adjustment Procedure



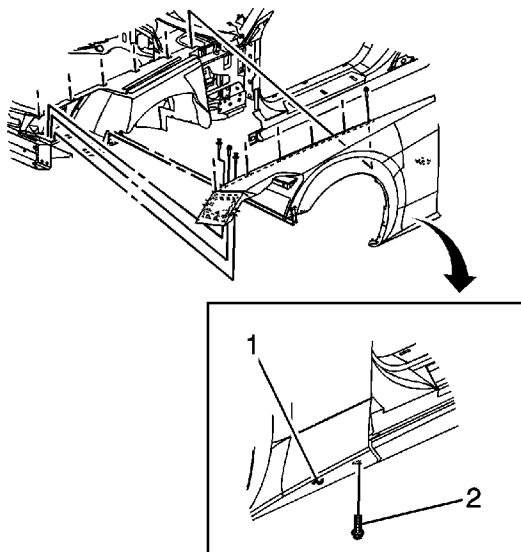
**Note:** Loosen one set of hinge bolts at a time and move the hinge not the door be sure to retighten the hinge bolts before loosening and adjusting the other hinge.

1. Loosen the upper hinge to door bolts.
2. Reposition the hinge outward to adjust the door inward or inward to adjust the door outward.
3. Tighten the upper hinge to door bolts to **30 N·m (22 lb in)**.
4. Loosen the lower hinge to door bolts.
5. Reposition the hinge.
6. Tighten the lower hinge to door bolts to **30 N·m (22 lb in)**.
7. Repeat procedure for additional adjustment if necessary.

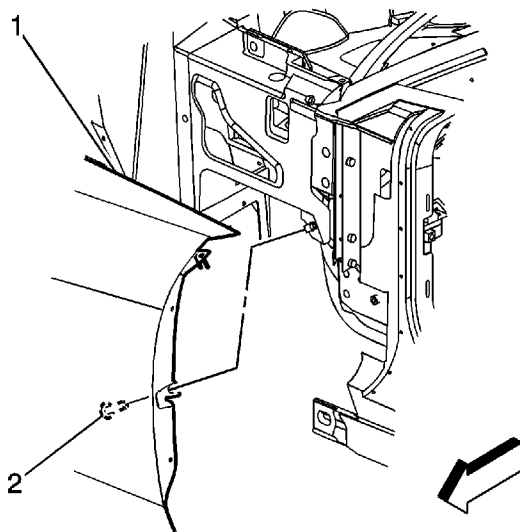
## Front Fender Replacement

### Removal Procedure

1. Open the hood.
2. Remove the wheelhouse panel. Refer to [Front Wheelhouse Liner Replacement](#).
3. Remove the headlamp. Refer to [Headlamp Replacement](#).
4. Loosen the front bumper fascia. Refer to [Front Bumper Fascia Replacement](#).
5. Remove the fender to hood seal. Refer to [Seal Replacement - Fender to Hood](#).
6. Remove the wheelhouse filler panel. Refer to [Front Wheelhouse Rear Liner Replacement](#).

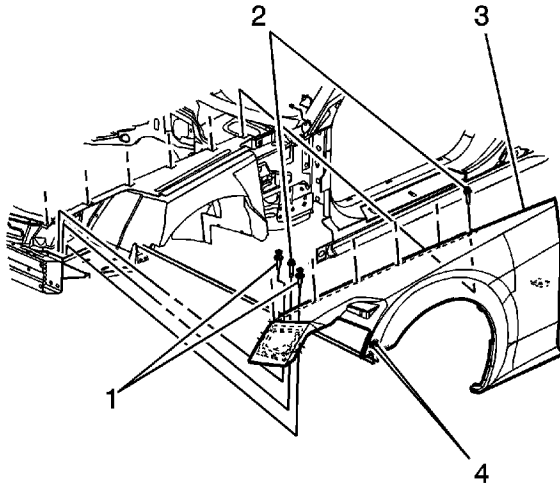


7. Remove the screws (2) securing the lower rear portion of the front fender (1) to the vehicle.





8. Remove the screws (2) securing the rear portion of the fender (1) to the vehicle.

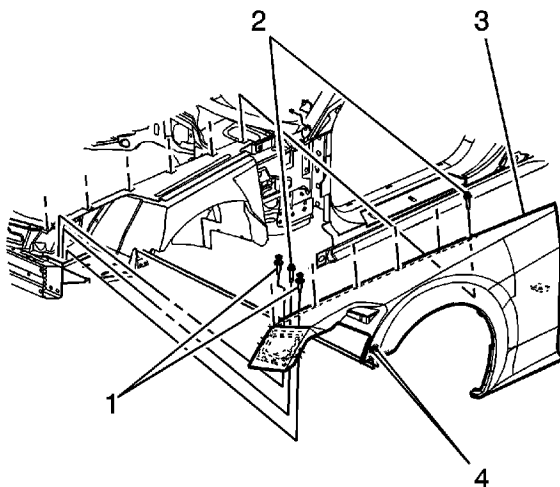


9. Remove the push-in fasteners (1) securing the front portion of the fender (3) to the vehicle.
10. Remove the bolts (4) securing the front portion of the fender (3) to the vehicle.
11. Remove the screws (2) securing the fender (3) to the vehicle.
12. Remove the front fender (3) from the vehicle.

## Installation Procedure

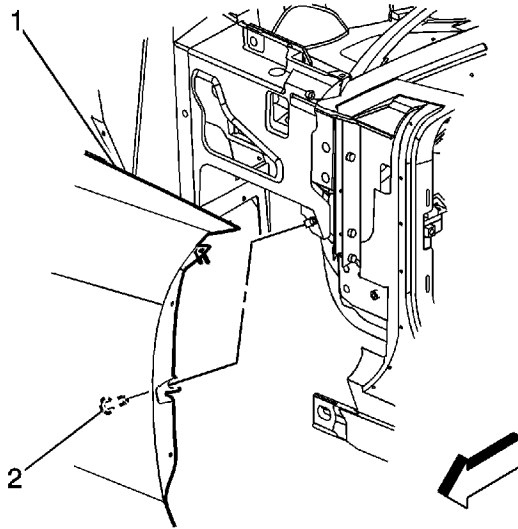
1. Position the fender to the vehicle.

**Caution:** Refer to [Fastener Caution](#) in the Preface section.

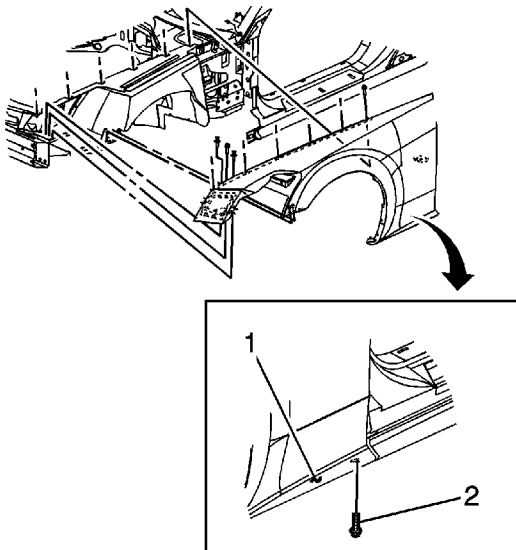




2. Install the screws (2) securing the fender (3) to the vehicle and tighten to **9 N·m (80 lb in)**.
3. Install the bolts (4) securing the front portion of the fender (3) to the vehicle and tighten to **9 N·m (80 lb in)**.
4. Install the push-in fasteners (1) securing the front portion of the fender (3) to the vehicle.



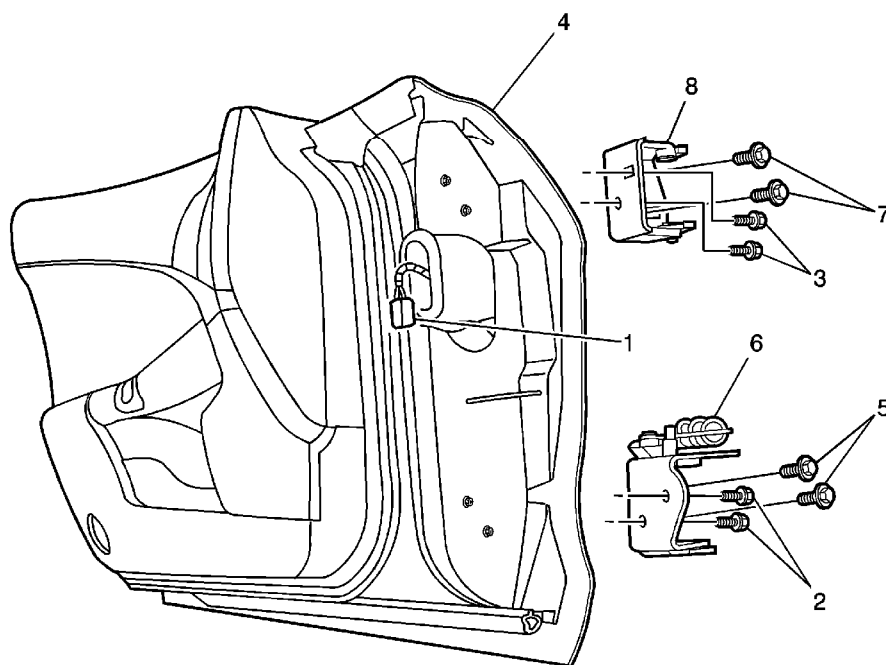
5. Install the screws (2) securing the rear portion of the fender (1) to the vehicle and tighten to **9 N·m (80 lb in)**.



6. Install the screws (2) securing the lower rear portion of the front fender (1) to the vehicle and tighten to **9 N·m (80 lb in)**.
7. Install the front bumper fascia. Refer to [Front Bumper Fascia Replacement](#).
8. Install the headlamp. Refer to [Headlamp Replacement](#).
9. Install the wheelhouse panel. Refer to [Front Wheelhouse Liner Replacement](#).

10. Install the wheelhouse filler panel. Refer to [Front Wheelhouse Rear Liner Replacement](#).
11. Install the fender to hood seal. Refer to [Seal Replacement - Fender to Hood](#).

## Front Side Door Upper Hinge and Lower Hinge Replacement



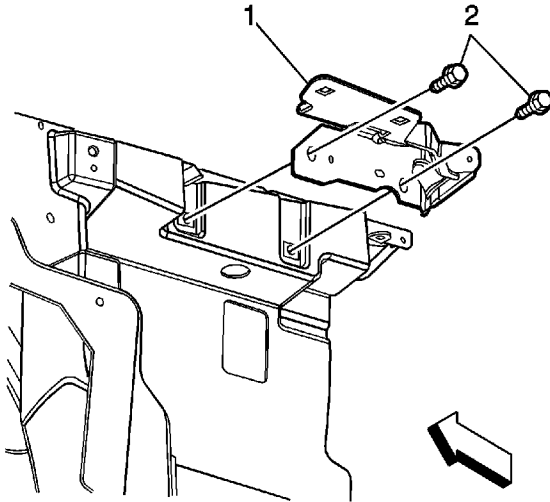
Callout	Component Name
<i>Fastener Tightening Specifications:</i> Refer to <a href="#">Fastener Tightening Specifications</a> .	
1	Harness, Front Side Door Wiring
2	Bolt, Front Side Door Hinge Lower (Qty: 2)
3	Bolt, Front Side Door Hinge Upper (Qty: 2)
4	Door Assembly, Front Side
5	Bolt, Front Side Door Hinge Lower (Qty: 2)
6	Hinge Assembly, Front Side Door Lower
7	Bolt, Front Side Door Hinge Upper (Qty: 2)
8	Hinge Assembly, Front Side Door Upper



## Hood Hinge Replacement

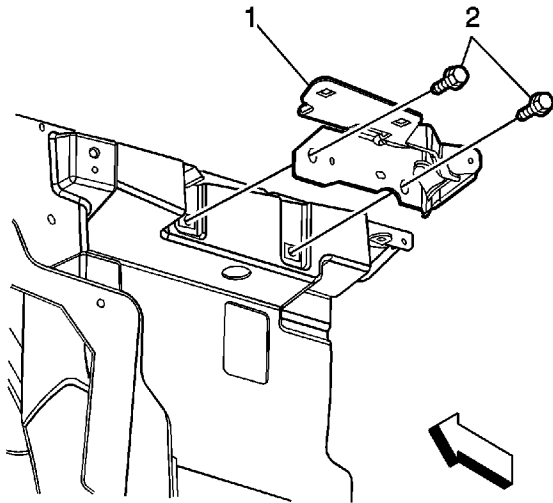
### Removal Procedure

1. Open the hood.
2. Using a wax pencil, mark the location of the upper and lower hood hinge on the underside of the hood and on the front structure.
3. Remove the hood. Refer to [Hood Replacement](#).



4. Remove the bolts (2) securing the lower hood hinge (1) to the front structure.
5. Remove the hood hinge (1) from the front structure.

### Installation Procedure



1. Install the hood hinge (1) to the front structure.

**Caution:** Refer to [Fastener Caution](#) in the Preface section.

2. Install the bolts (2) securing the lower hood hinge (1) to the front structure and tighten to **25 N·m (18 lb ft)**.
3. Install the hood to the vehicle. Refer to [Hood Replacement](#).

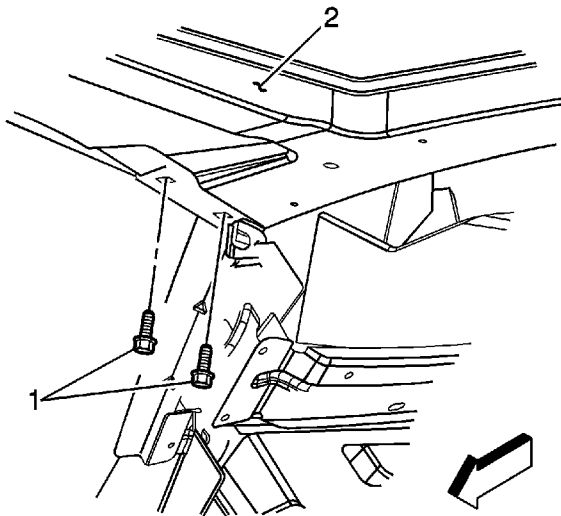
## Hood Replacement

### Removal Procedure

1. Open the hood.
2. Remove the hood insulator. Refer to [Hood Insulator Replacement](#).
3. Disconnect the underhood lamp electrical connector.

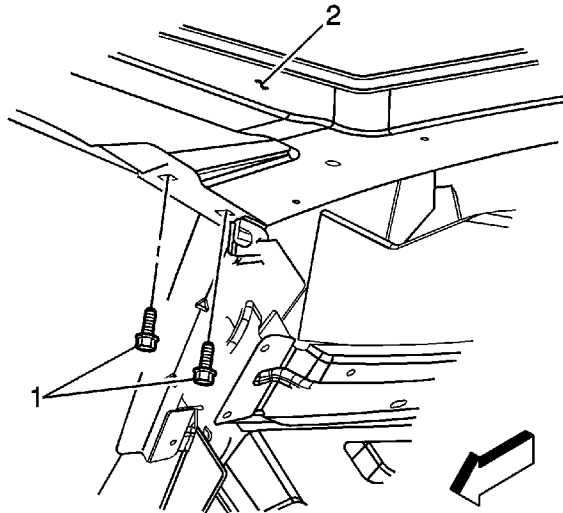
**Warning:** Refer to [Hood Hold-Open Device Warning](#) in the Preface section.

4. Remove the hood assist rod from the hood side with the aid of an assistant. Refer to [Hood Open Assist Rod Replacement](#).



5. Remove the hood bolts (1) securing the upper hood hinge to the hood (2) with the aid of an assistant.
6. Remove the hood (2) from the vehicle, with the aid of an assistant.

### Installation Procedure



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

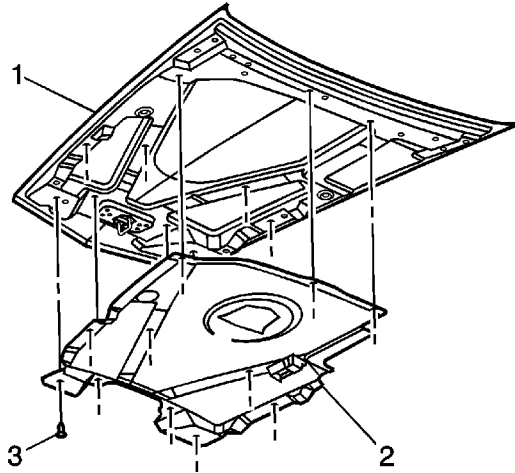
**Caution:** Refer to [Fastener Caution](#) in the Preface section.

2. Install the hood bolts (1) securing the upper hood hinge to the hood (2) and tighten to **9 N·m (80 lb in)**.
3. Install the hood assist rod to the hood side. Refer to [Hood Open Assist Rod Replacement](#).
4. Connect the underhood lamp connector.
5. Install the hood insulator. Refer to [Hood Insulator Replacement](#).
6. Close the hood.

## Hood Insulator Replacement

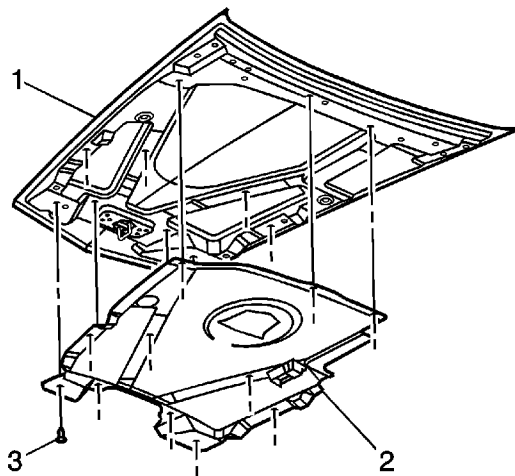
### Removal Procedure

1. Open the hood.



2. Remove the push-in retainers (3) securing the hood insulator (2) to the hood (1).
3. Remove the hood insulator (2) from the hood (1).

### Installation Procedure



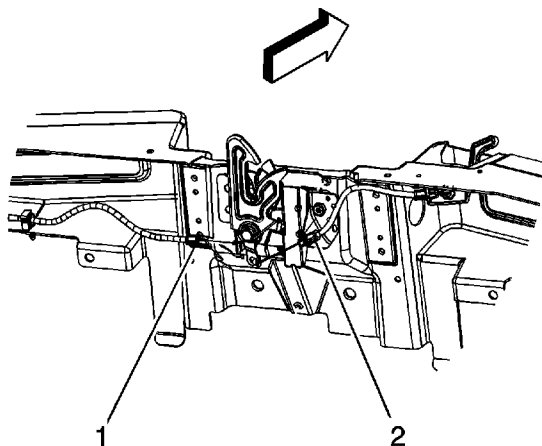


1. Install the hood insulator (2) to the hood (1).
2. Install the push-in retainers (3) in order to secure the hood insulator (2) to the hood (1).
3. Close the hood.

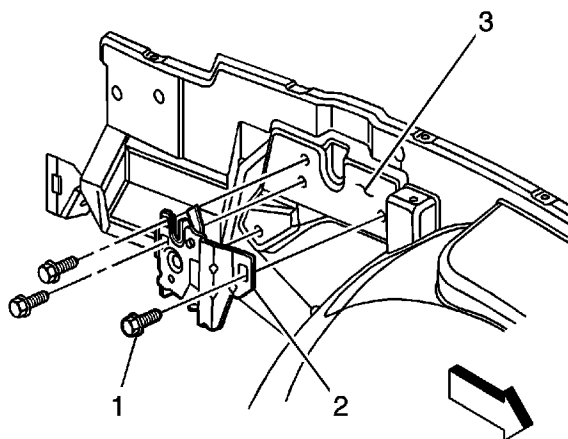
## Hood Primary and Secondary Latch Replacement

### Removal Procedure

1. Open the hood.
2. Remove the front section of the air cleaner assembly. Refer to [Air Cleaner Assembly Replacement](#).



3. Disconnect the hood release cable (1) from the hood latch.
4. Disconnect the secondary hood latch cable from the hood latch.

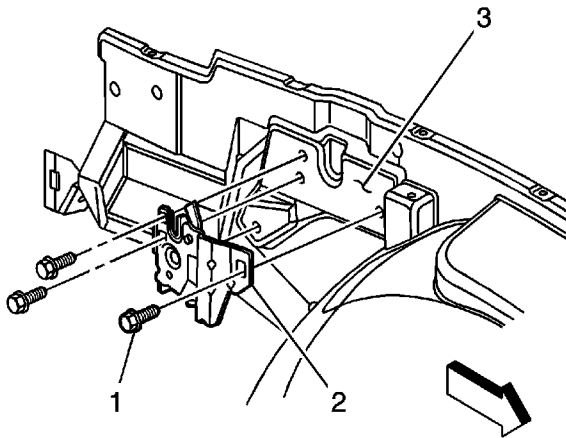


5. Remove the bolts (1) attaching the hood latch (2) from latch support (3).

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6. Remove the latch from the latch support.

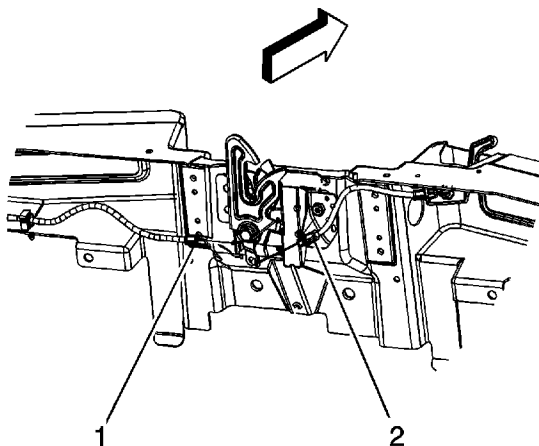
## Installation Procedure



1. Install the hood latch (2) to the latch support (3).

**Caution:** Refer to [Fastener Caution](#) in the Preface section.

2. Install the bolts (1) attaching the latch (2) to the latch support (3) and tighten to **9 N·m (80 lb in)**.



3. Connect the hood release cable (1) to the latch.
4. Connect the secondary latch cable (2) to the latch.

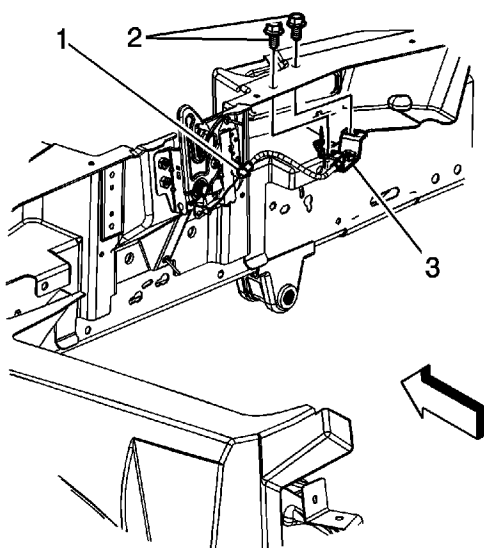


5. Slowly lower the hood and check the latch for the proper alignment.
6. Adjust the latch as necessary.
7. Install the front section of the air cleaner assembly. Refer to [Air Cleaner Assembly Replacement](#).
8. Close the hood.

## Hood Secondary Latch Replacement

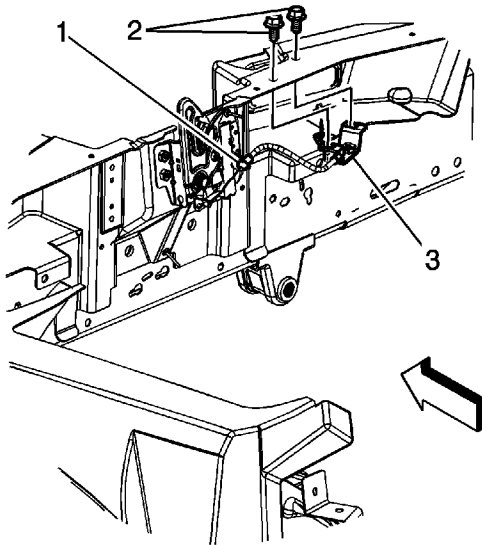
### Removal Procedure

1. Open the hood.
2. Remove the front section of the air cleaner assembly. Refer to [Air Cleaner Assembly Replacement](#).



3. Disconnect the secondary hood latch cable (1) from the hood latch.
4. Remove the bolts (2) attaching the secondary hood latch (3) from the front panel.
5. Remove the secondary latch.

### Installation Procedure



1. Install the secondary latch (3) to the front panel.

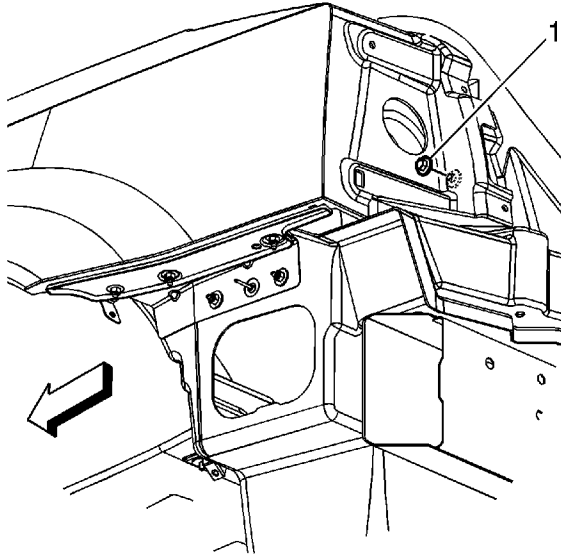
**Caution:** Refer to [Fastener Caution](#) in the Preface section.

2. Install the bolts (2) attaching the secondary latch (3) to the front panel and tighten to **9 N·m (80 lb in)**.
3. Connect the secondary latch cable (1) to the hood latch.
4. Install the front section of the air cleaner assembly. Refer to [Air Cleaner Assembly Replacement](#).
5. Close the hood.

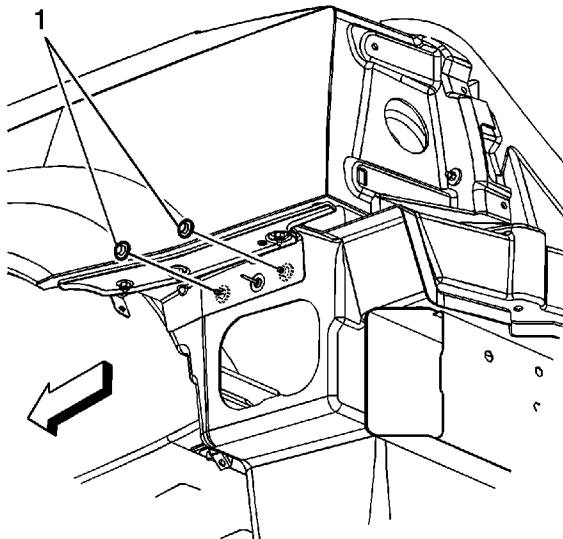
## Rear Quarter Panel Replacement

### Removal Procedure

1. Remove the wheelhouse liner panel. Refer to [Rear Wheelhouse Panel Liner Replacement](#).
2. Remove the rear tail lamp assembly. Refer to [Tail/Turn Signal Lamp Replacement](#).
3. Remove the rear fascia. Refer to [Rear Bumper Fascia Replacement](#).
4. Remove the fuel pocket. Refer to [Fuel Tank Filler Door Replacement](#).

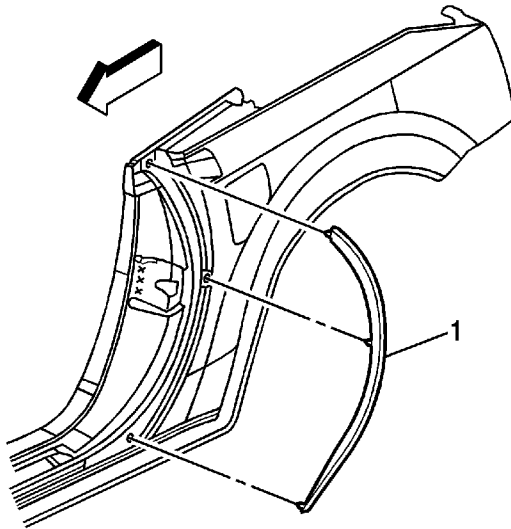


5. Remove the nut (1) attaching the quarter panel to the rear compartment stud.

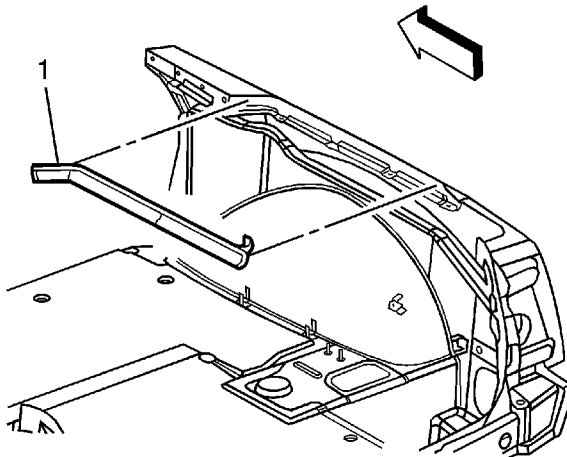


6. Remove the nuts (1) attaching the quarter panel to the lower rear compartment stud.

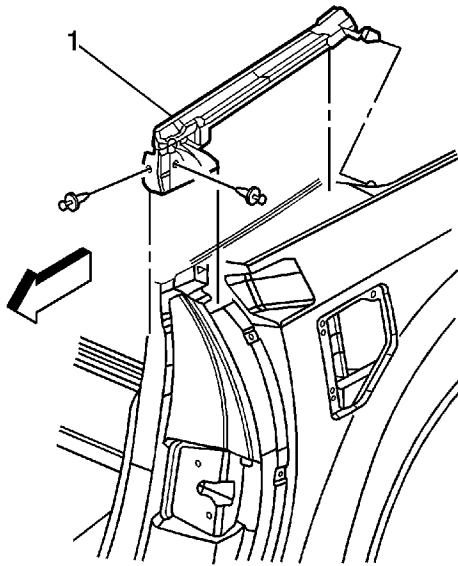
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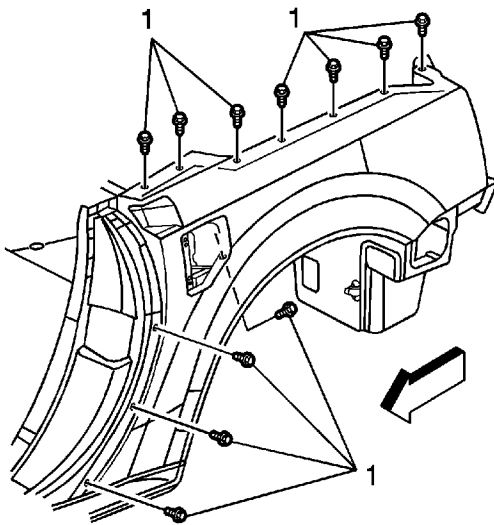
7. Remove the door lock pillar seal (1).



8. Remove the upper quarter panel seal (1).



9. Remove the weatherstrip push-in retainers from the upper quarter panel.
10. Remove the weatherstrip (1).

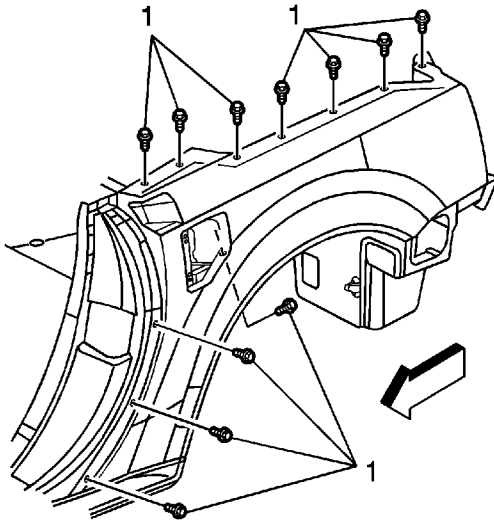


11. Remove the screws (1) attaching the quarter panel to the door lock pillar and the rear compartment frame.
12. Remove the quarter panel.

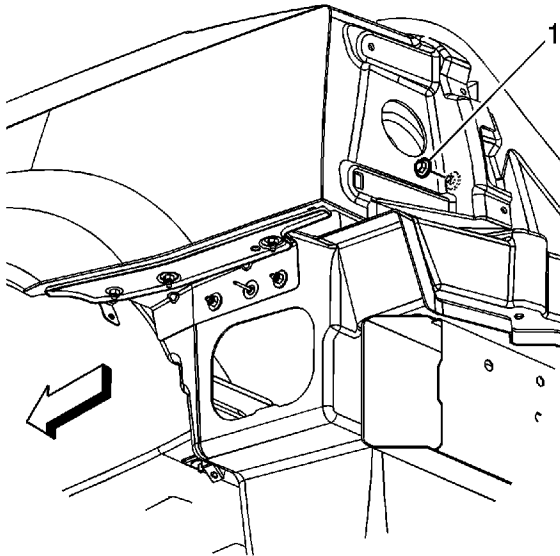
## Installation Procedure

1. Position the quarter panel to the vehicle.

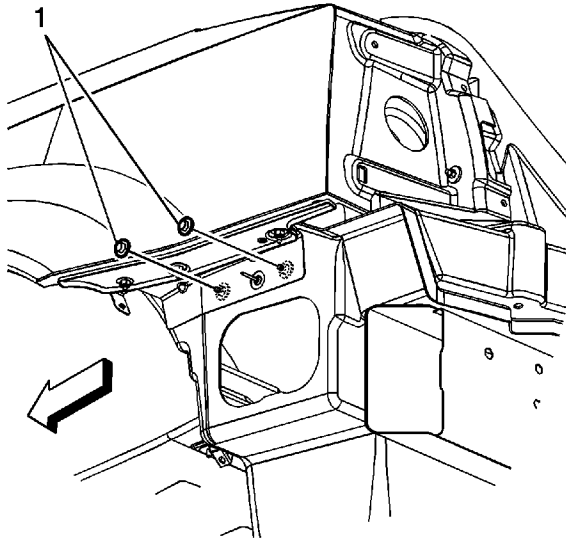
**Caution:** Refer to [Fastener Caution](#) in the Preface section.



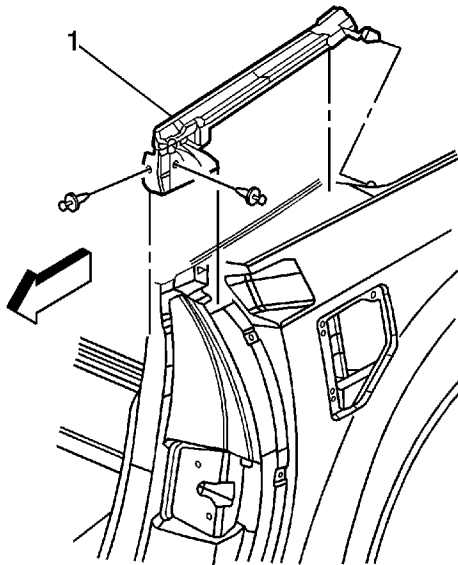
2. Install the screws (1) attaching the quarter panel to the door lock pillar and the rear compartment frame and tighten to **3 N·m (27 lb in)**.



3. Install the nut (1) attaching the quarter panel to the rear compartment stud and tighten to **5 N·m (44 lb in)**.

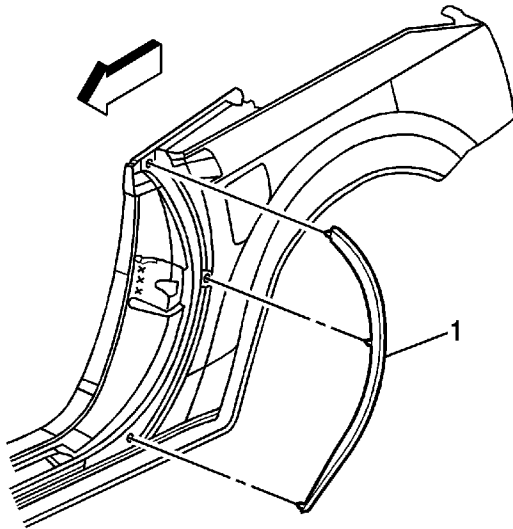


4. Hand tighten the nuts (1) attaching the quarter panel to the lower rear compartment stud and tighten to **5 N·m (44 lb in)**.

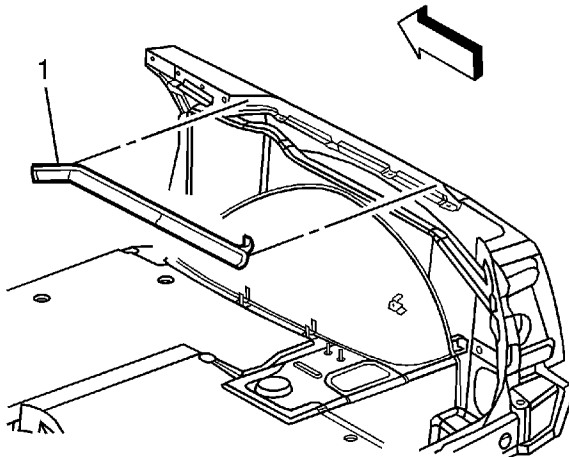


5. Install the upper quarter panel weatherstrip (1).
6. Install the weatherstrip push-in retainers to the upper quarter panel.
7. Install the fuel pocket. Refer to [Fuel Tank Filler Door Replacement](#).
8. Install the wheelhouse liner panel. Refer to [Rear Wheelhouse Panel Liner Replacement](#).
9. Install the rear fascia. Refer to [Rear Bumper Fascia Replacement](#).
10. Install the rear tail lamp assembly. Refer to [Tail/Turn Signal Lamp Replacement](#).





11. Install the door lock pillar seal (1).

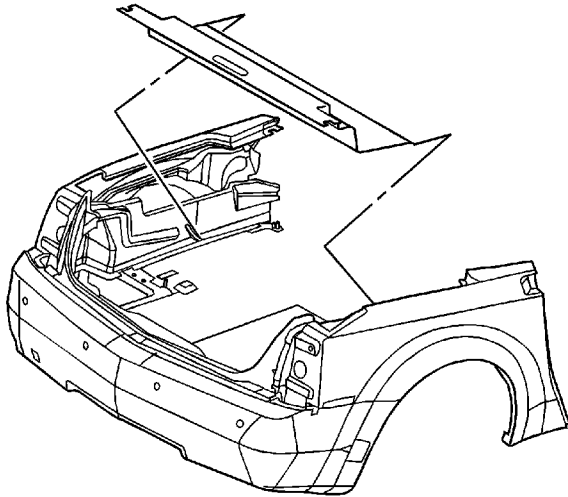


12. Install the upper quarter panel seal (1).

## Rear Compartment Front Partition Replacement

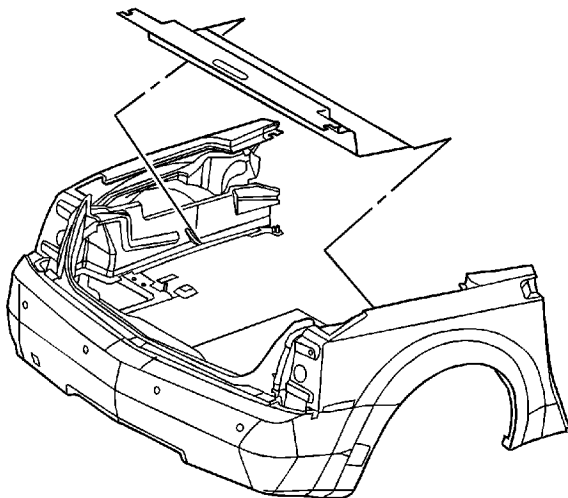
### Removal Procedure

1. Open the rear compartment.



2. Using a small flat-bladed tool, remove the 2 compartment partition retainers.
3. Pull up to disengage the compartment partition from the rear compartment.

### Installation Procedure





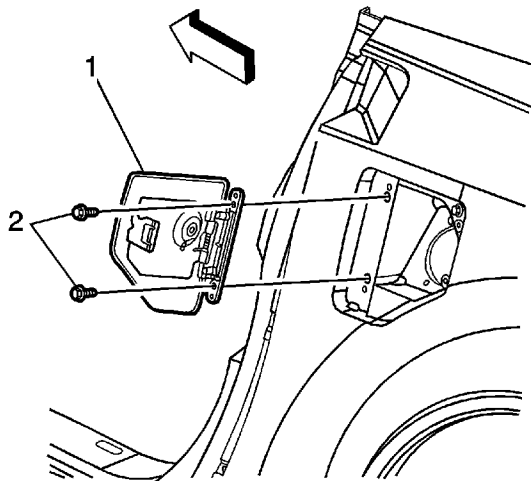
1. Position the compartment partition to the rear compartment.
2. Install the 2 compartment partition retainers to the compartment floor.
3. Verify the operation and the latching of the compartment partition to the latch and switch assembly.
4. Close the rear compartment.

## Fuel Tank Filler Door Replacement

### Removal Procedure

The electronically operated fuel filler door can be manually opened by pulling on the manual release cable. The location is in the rear compartment drivers side rear inner wheelhouse side trim.

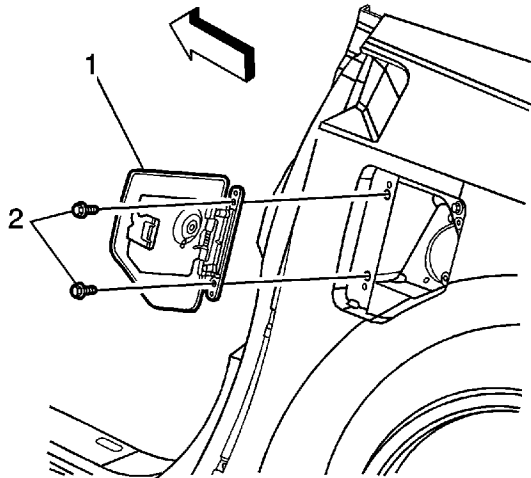
1. Open the fuel filler door.
2. Disconnect the fuel cap tether fastener.



3. Remove the screws (2) mounting the fuel door (1) to the quarter panel.
4. Remove the fuel door.

### Installation Procedure

**Caution:** Refer to [Fastener Caution](#) in the Preface section.

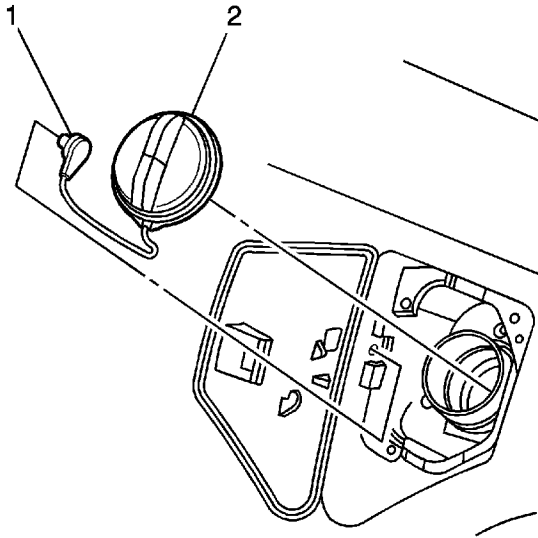


1. Position the fuel filler door in an open position to the fuel pocket.
2. Install the screws (2) attaching the fuel filler door (1) to the quarter panel and tighten to **2 N·m (18 lb in)**.
3. Install the fuel cap tether fastener.
4. Close the fuel filler door.

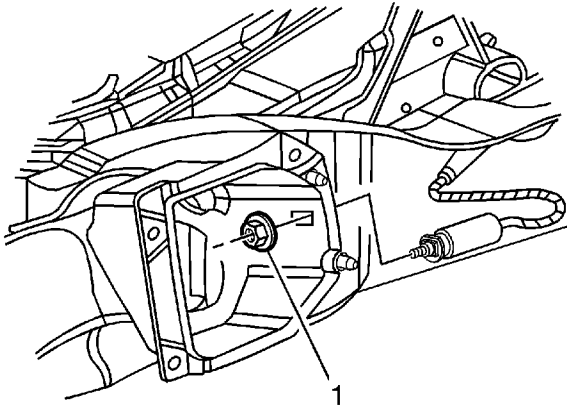
## Fuel Tank Filler Pipe Housing Replacement

### Removal Procedure

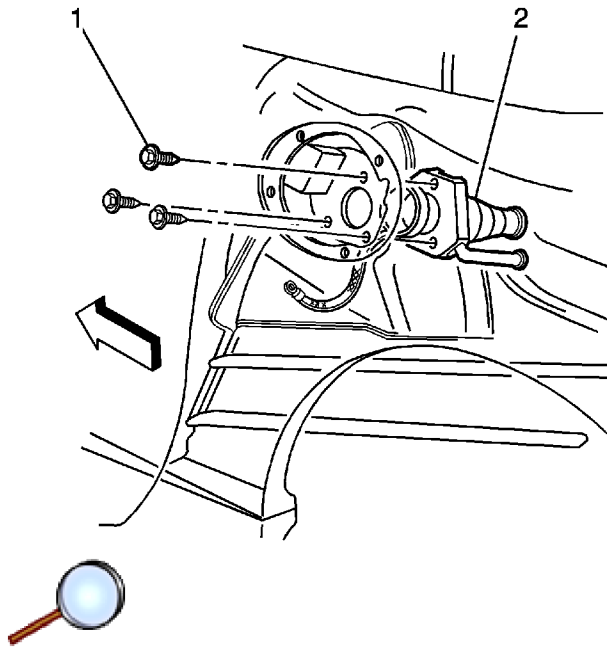
1. Remove the wheelhouse liner panel. Refer to [Rear Wheelhouse Panel Liner Replacement](#).



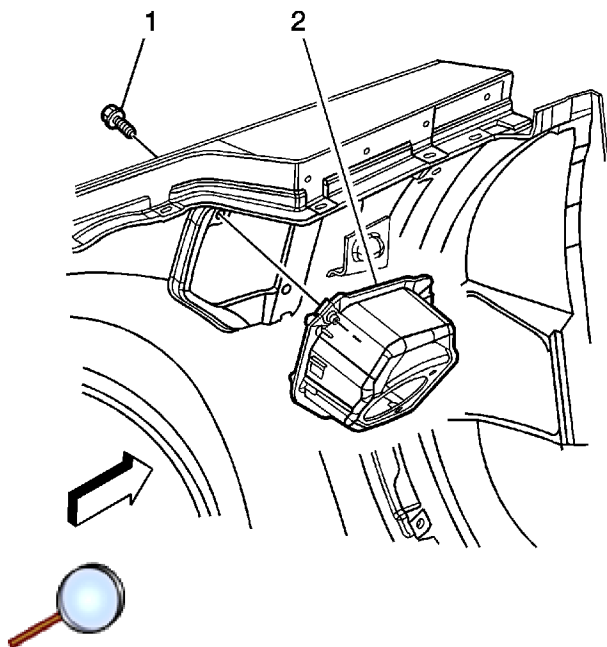
2. Remove the fuel cap (2) and the fuel cap retaining strap fastener (1).



3. Remove the nut (1) from fuel door release cable.
4. Remove the fuel filler door. Refer to [Fuel Tank Filler Door Replacement](#).

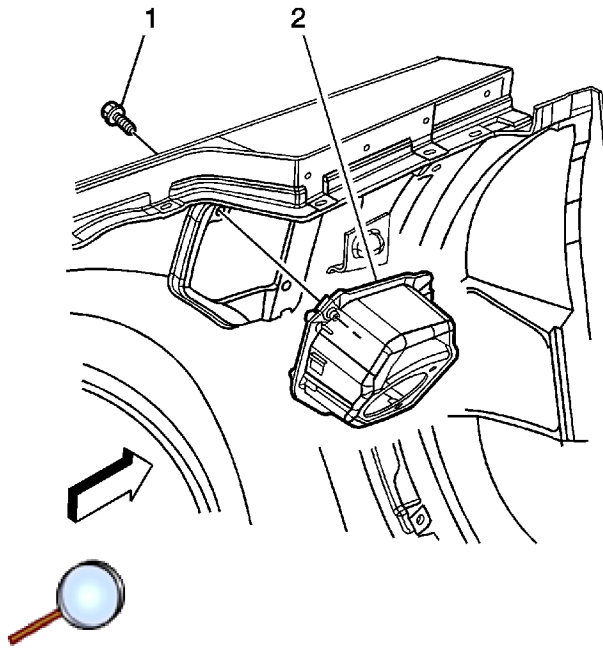


5. Remove the screws (1) mounting the fuel pocket to the fuel filler neck (2).
6. Remove the fuel filler neck from the pocket (2).



7. Remove the screws (1) attaching the fuel pocket (2) to the quarter panel.
8. Remove the fuel pocket (2).

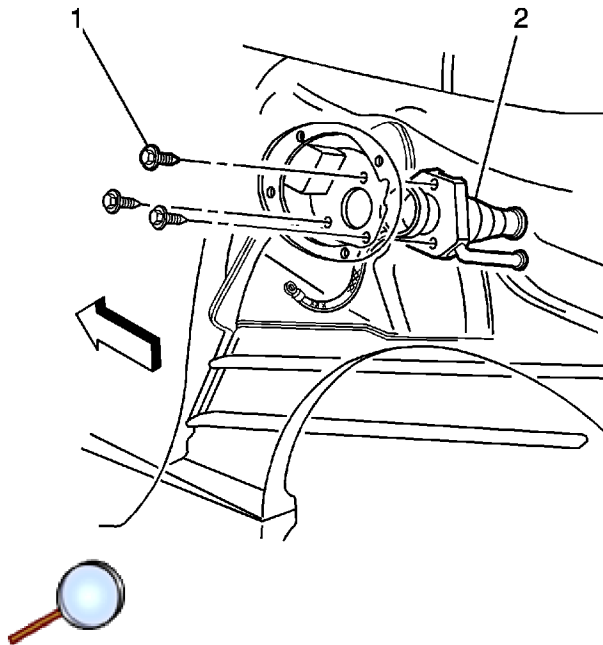
## Installation Procedure



1. Position the fuel pocket (2) to the vehicle.

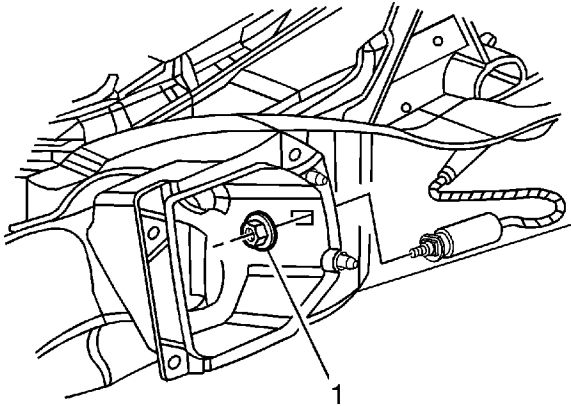
**Caution:** Refer to [Fastener Caution](#) in the Preface section.

2. Install the screws (1) attaching the fuel pocket (2) to the quarter panel and tighten to **2 N·m (18 lb in)**.

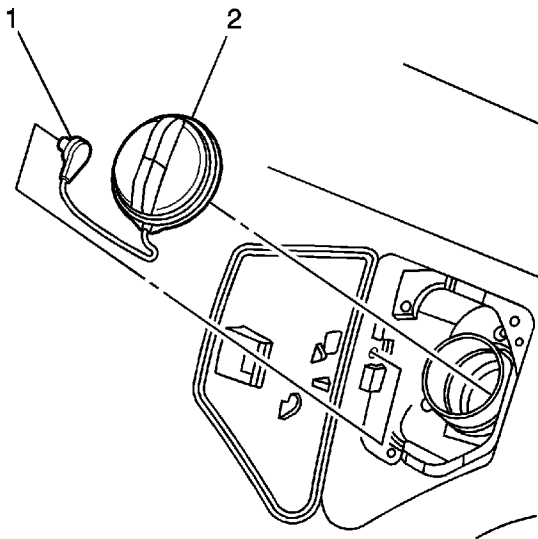


3. Position the fuel filler neck to the fuel pocket (2).
4. Install the screws (1) mounting the fuel pocket to the fuel filler neck (2) and tighten to **2 N·m (18 lb in)**.





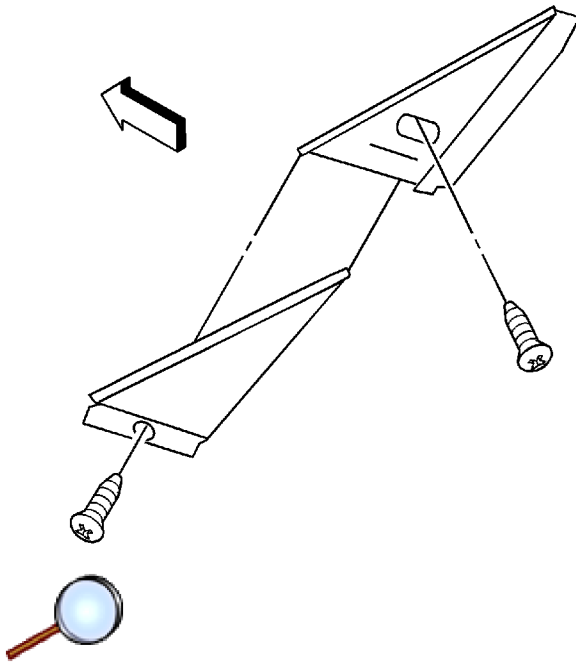
5. Install the nut (1) attaching the fuel door release cable to the pocket and tighten to **2 N·m (18 lb in)**.
6. Install the fuel filler door. Refer to [Fuel Tank Filler Door Replacement](#).



7. Connect the fuel cap (2) and the fuel cap tether fastener (1).
8. Install the wheelhouse liner panel. Refer to [Rear Wheelhouse Panel Liner Replacement](#).

## Weatherstrip Side Retainer Replacement

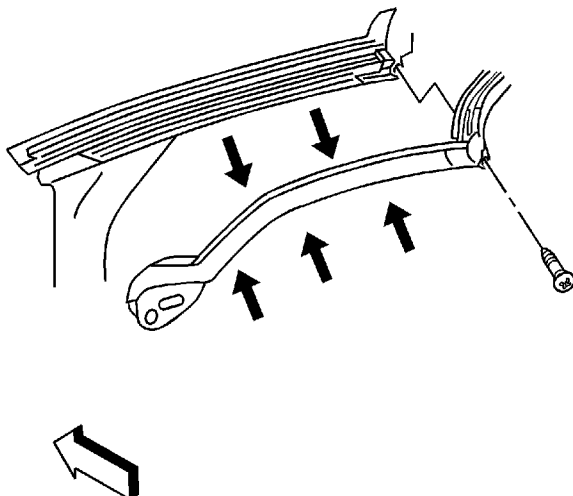
### Removal Procedure



1. Open the door.
2. Remove the lower screw from the side window filler panel applique.

Pull the windshield weatherstrip downward at the base of the pillar to expose the lower screw.

3. Remove the side window filler panel applique cover to expose the inner screw.
4. Remove the inner screw from the side window filler panel applique.

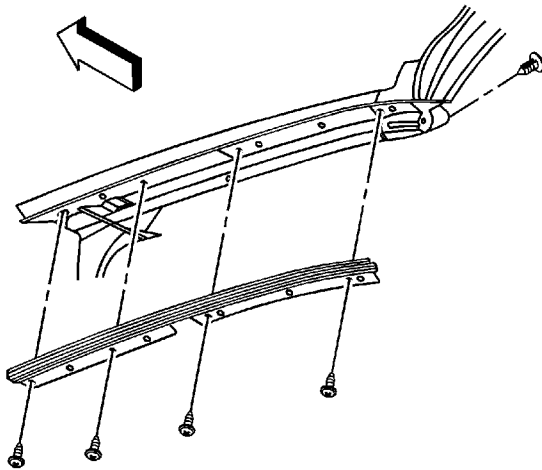




**Note:** Do Not remove the windshield weatherstrip passed the upper corner of the windshield pillar to service the windshield weatherstrip side retainer.

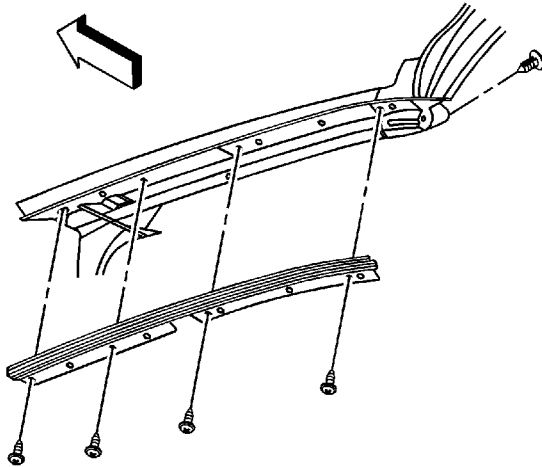
5. Remove the windshield weatherstrip from the side retainer.

Grasp the center of the windshield weatherstrip, pull downward until the windshield weatherstrip is fully released from the side retainer.



6. Remove the windshield weatherstrip side retainer screws.
7. Remove the windshield weatherstrip side retainer from the windshield reveal molding.

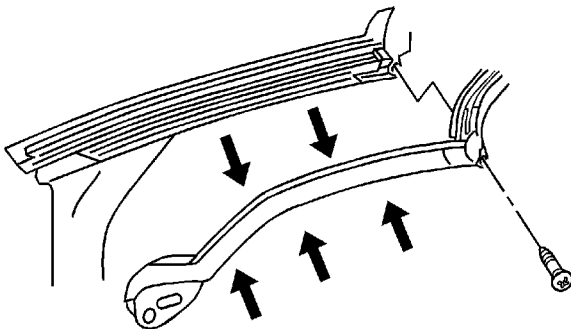
## Installation Procedure



1. Install the windshield weatherstrip side retainer to the windshield reveal molding.

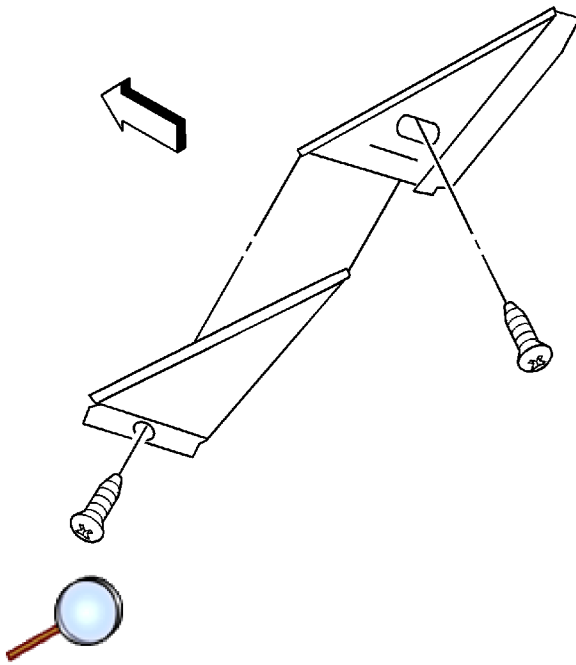
**Caution:** Refer to [Fastener Caution](#) in the Preface section.

2. Install the windshield weatherstrip side retainer screws and tighten to **3 N·m (27 lb in)**.



3. Install the windshield weatherstrip to the side retainer.

Starting in the center of the pillar, working the windshield weatherstrip up and down the windshield pillar until the windshield weatherstrip is fully seated.



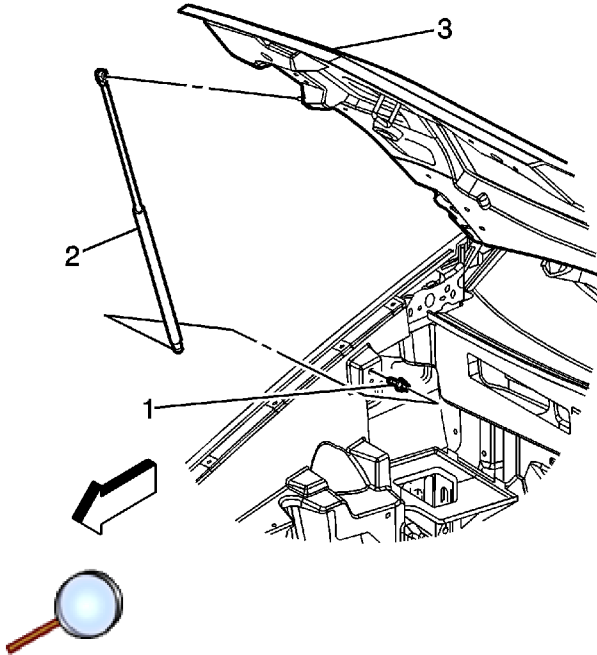
4. Install the side window filler panel applique to the pillar.
5. Install the inner screw to the side window filler panel applique and tighten to **3 N·m (27 lb in)**.
6. Install the side window filler panel applique cover to conceal the inner screw.
7. Install the lower screw to the side window filler panel applique and tighten to **3 N·m (27 lb in)**.
8. Align the windshield weatherstrip to the base of the windshield pillar.
9. Inspect the door window for proper sealing.
10. Close the door.

## Hood Open Assist Rod Replacement

### Removal Procedure

**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.

1. Open and support the hood.

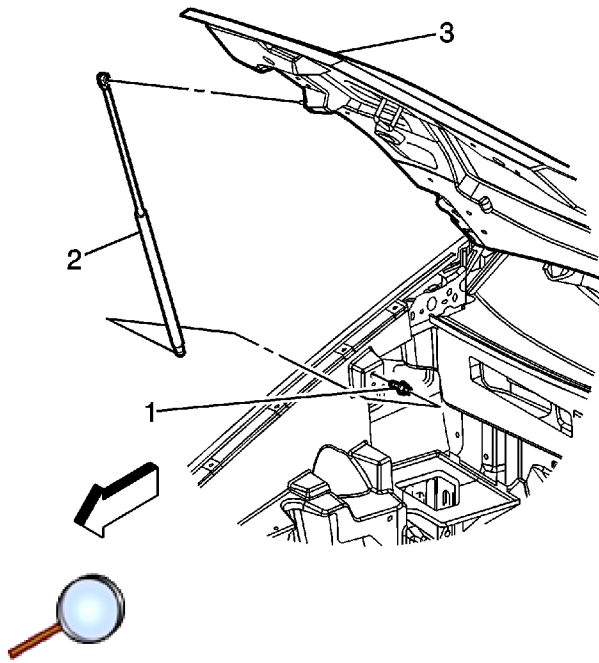


2. Release the clip retaining the hood assist rod (2) to the lower assist rod ball stud (1).

**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.

3. Release the clip retaining the hood assist rod (2) from the upper assist rod ball stud attached to the hood (3).
4. Remove the hood assist rod (2) from the vehicle.

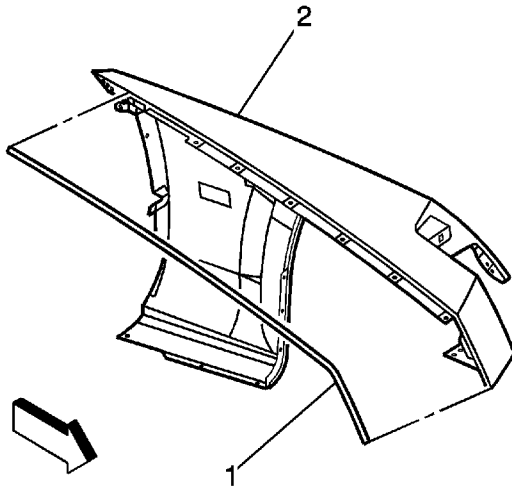
### Installation Procedure



1. Install the hood assist rod (2) to the vehicle.
2. Install the hood assist rod (2) onto the upper hood assist rod ball stud attached to the hood (3).
3. Install the hood assist rod (2) onto the lower hood assist rod ball stud (1).
4. Insure that both clips are fully seated on the hood assist rod (2).
5. Close the hood.

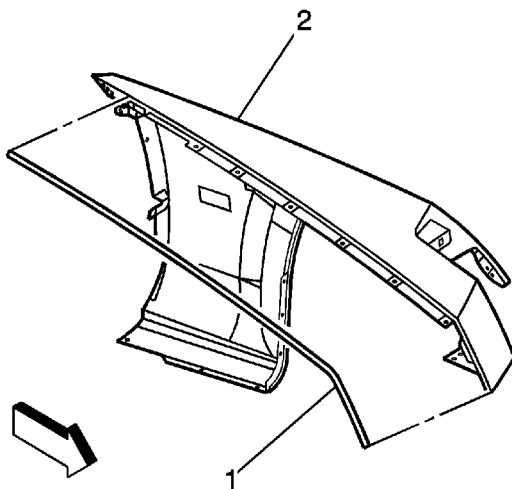
## Seal Replacement - Fender to Hood

### Removal Procedure



1. Open the hood.
2. Note the location and remove the seal (1) from the fender (2).
3. Remove all remaining adhesive.

### Installation Procedure







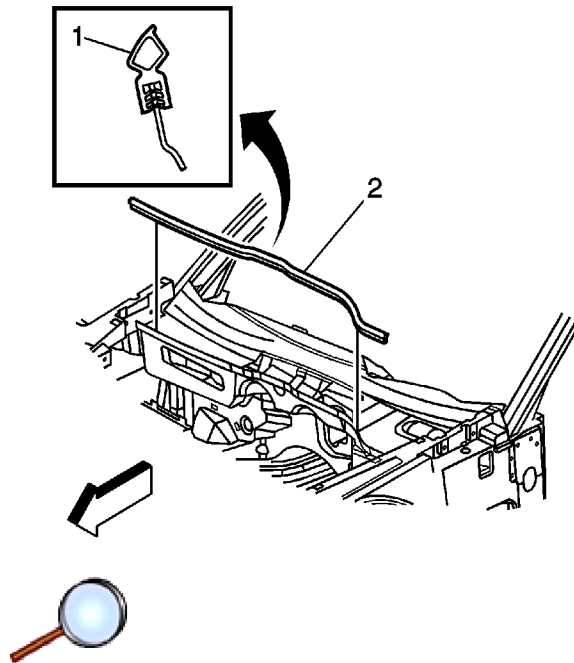
1. Clean all mating surfaces with a lint-free rag using a naphtha solvent or equivalent.

**Important:** Mating surfaces must be dry before applying the new fender seal.

2. The adhesive and mating surfaces temperature must be between 19-43°C (66-110°F).
3. Remove the protective paper backing from the seal.
4. Position the seal (1) to the fender (2).
5. Press firmly to secure the seal to the fender.
6. Close the hood.

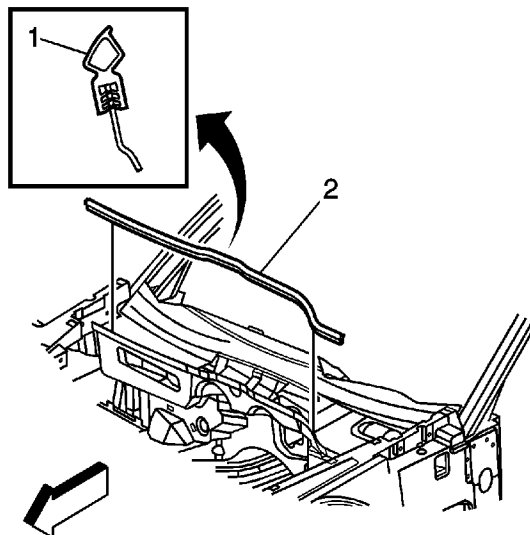
## Hood Rear Seal Replacement

### Removal Procedure



1. Open the hood.
2. Remove the rear hood seal (2) from the lower plenum.

### Installation Procedure





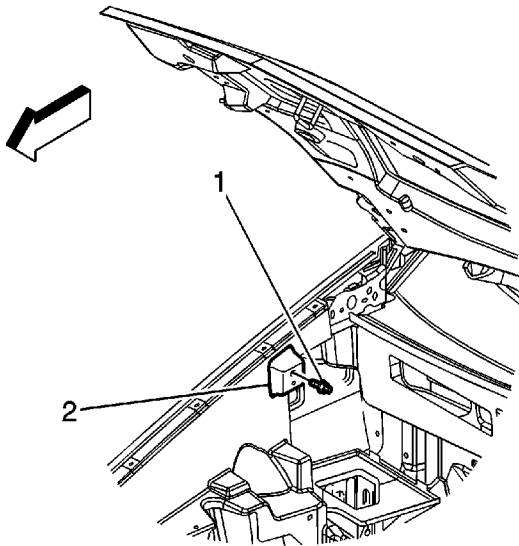
1. Position the seal (2) to the lower plenum.
2. Align the top lip of the seal face rearward (1) for proper installation.
3. Press firmly to secure the seal to the lower plenum.
4. Close the hood.

## Hood Open Assist Rod Stud Replacement

### Removal Procedure

1. Open the hood.

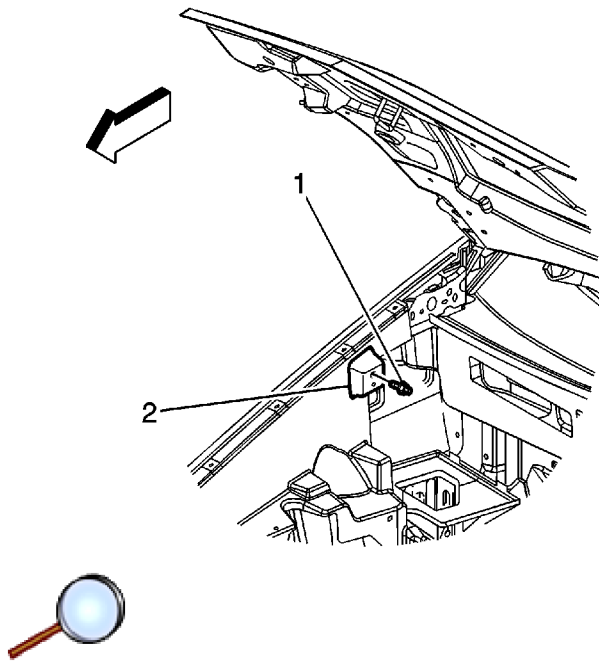
**Warning:** Refer to [Hood Hold-Open Device Warning](#) in the Preface section.



2. Release the clip retaining the hood assist rod to the lower hood assist rod ball stud. Refer to [Hood Open Assist Rod Replacement](#).
3. Remove the lower hood assist rod ball stud (1) from the front structure (2).

### Installation Procedure

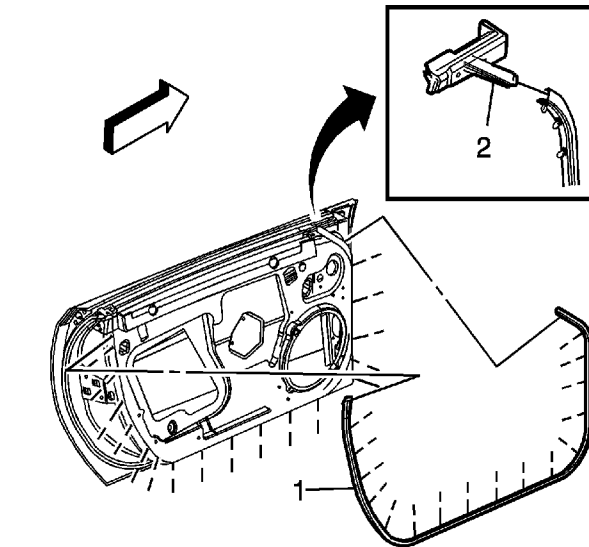
**Caution:** Refer to [Fastener Caution](#) in the Preface section.



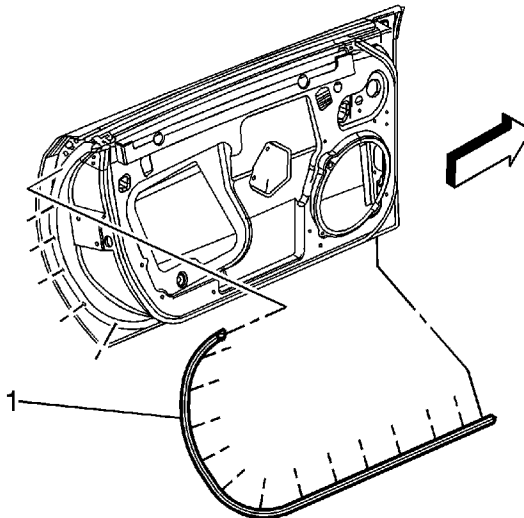
1. Install the lower hood assist rod ball stud (1) to the front structure (2) and tighten to **9 N·m (80 lb in)**.
2. Install the hood assist rod. Refer to [Hood Open Assist Rod Replacement](#).
3. Insure that the clip is fully seated on the hood assist rod.
4. Close the hood.

## Door Weatherstrip Replacement

### Removal Procedure

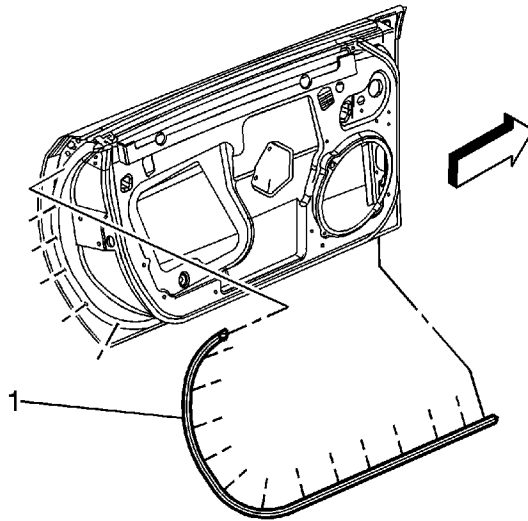


1. Remove the push-pin retainers from the ends (2) of the weatherstrip.

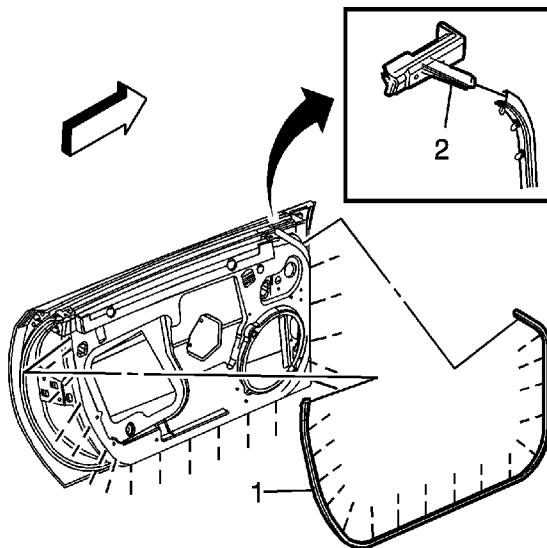


2. Remove the weatherstrip (1) and retainers from the door.
3. Remove any weatherstrip retainers that remain in the door. The new weatherstrip comes with retainers.

## Installation Procedure



1. Starting at one end of the weatherstrip (1) align the retainers on the weatherstrip with the holes in the door.

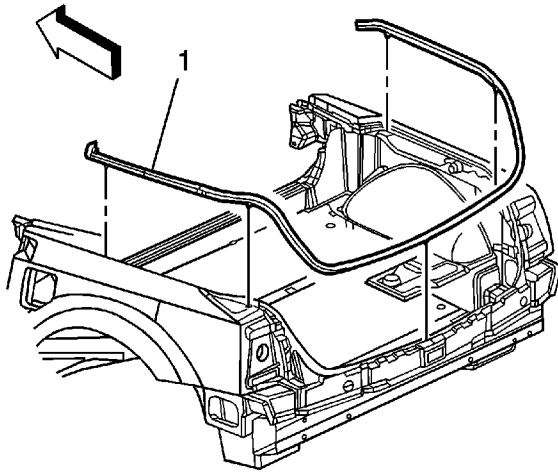


2. Press the retainers firmly into the holes in the door. Align the ends of the weatherstrip to the molded ends (2).
3. Insert and press the push-pin retainers through the weatherstrip molded ends into the door.

## Rear Compartment Lid Weatherstrip Replacement

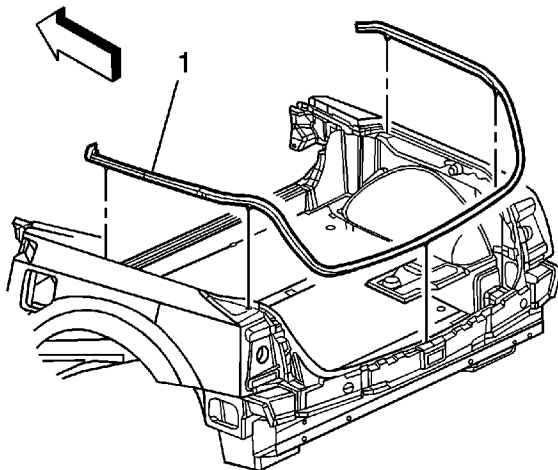
### Removal Procedure

1. Open the rear compartment.



2. Pull the weatherstrip (1) from the flange of the rear compartment panel.

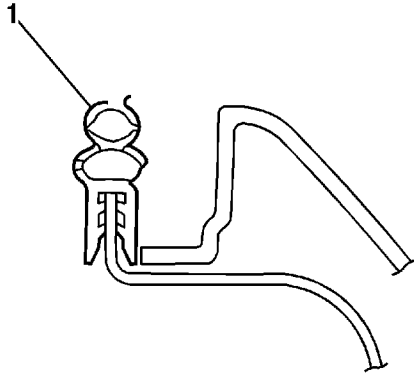
### Installation Procedure







1. Position the weatherstrip (1) to the rear compartment flange.

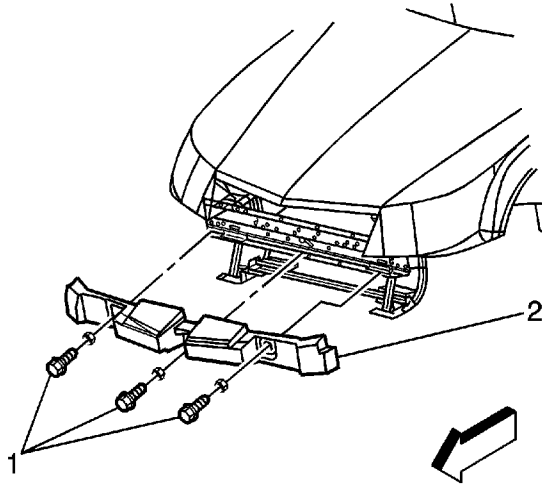


2. Position the upper lip of the weatherstrip (1) facing outward.
3. Seat the weatherstrip firmly to the flange.
4. Close the rear compartment.

## Front Bumper Fascia Energy Absorber Replacement

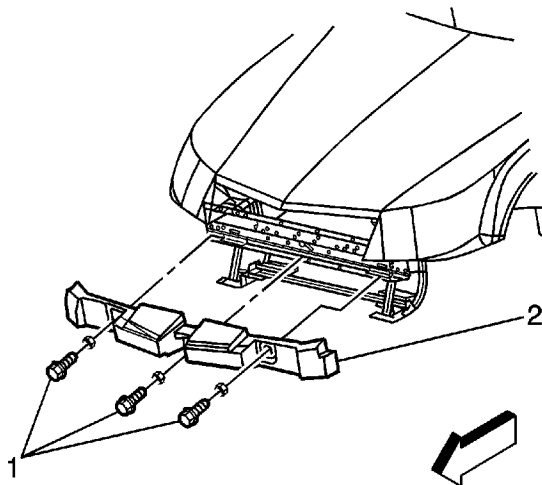
### Removal Procedure

1. Remove the front bumper fascia. Refer to [Front Bumper Fascia Replacement](#).



2. Remove the bolts (1) and retainers attaching the energy absorber (2) to the front impact bar.
3. Remove the energy absorber (2) from the impact bar.

### Installation Procedure





1. Position the energy absorber (2) to the impact bar.

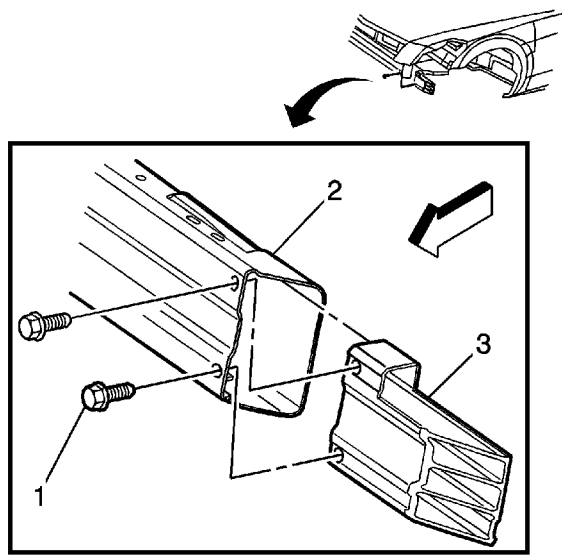
**Caution:** Refer to [Fastener Caution](#) in the Preface section.

2. Install the bolts (1) and retainers that attach the energy absorber (2) to the impact bar and tighten to **7 N·m (62 lb in)**.
3. Install the front bumper fascia. Refer to [Front Bumper Fascia Replacement](#).

## Front Bumper Impact Bar Extension Replacement

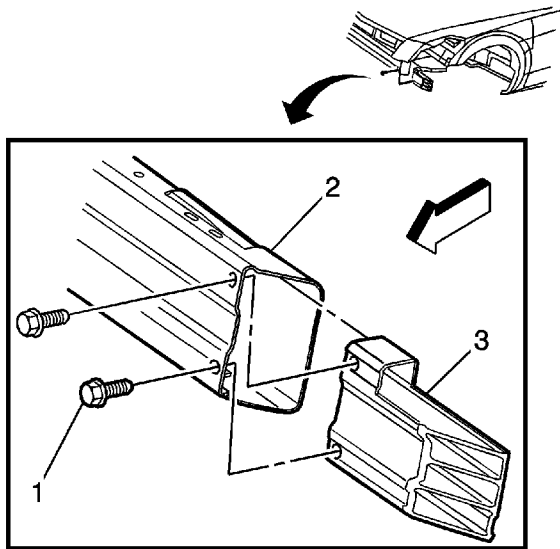
### Removal Procedure

1. Remove the front bumper fascia. Refer to [Front Bumper Fascia Replacement](#).
2. Remove the front energy absorber. Refer to [Front Bumper Fascia Energy Absorber Replacement](#).



3. Remove the bolts (1) attaching the front extension (3) to the front impact bar (2).
4. Remove the extension (3) from the impact bar (2).

### Installation Procedure

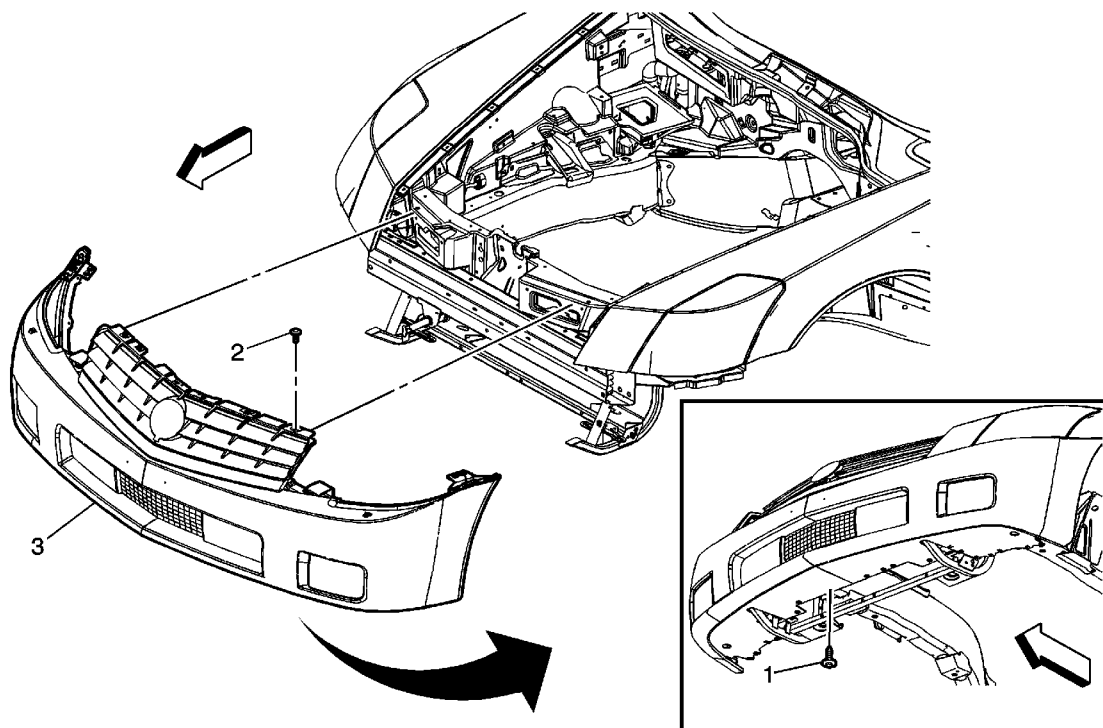


1. Position the extension (3) to the impact bar (2)

**Caution:** Refer to [Fastener Caution](#) in the Preface section.

2. Install the bolts (1) that attach the extension (3) to the impact bar (3) and tighten to **20 N·m (15 lb ft)**.
3. Install the front energy absorber. Refer to [Front Bumper Fascia Energy Absorber Replacement](#).
4. Install the fascia. Refer to [Front Bumper Fascia Replacement](#).

## Front Bumper Fascia Replacement

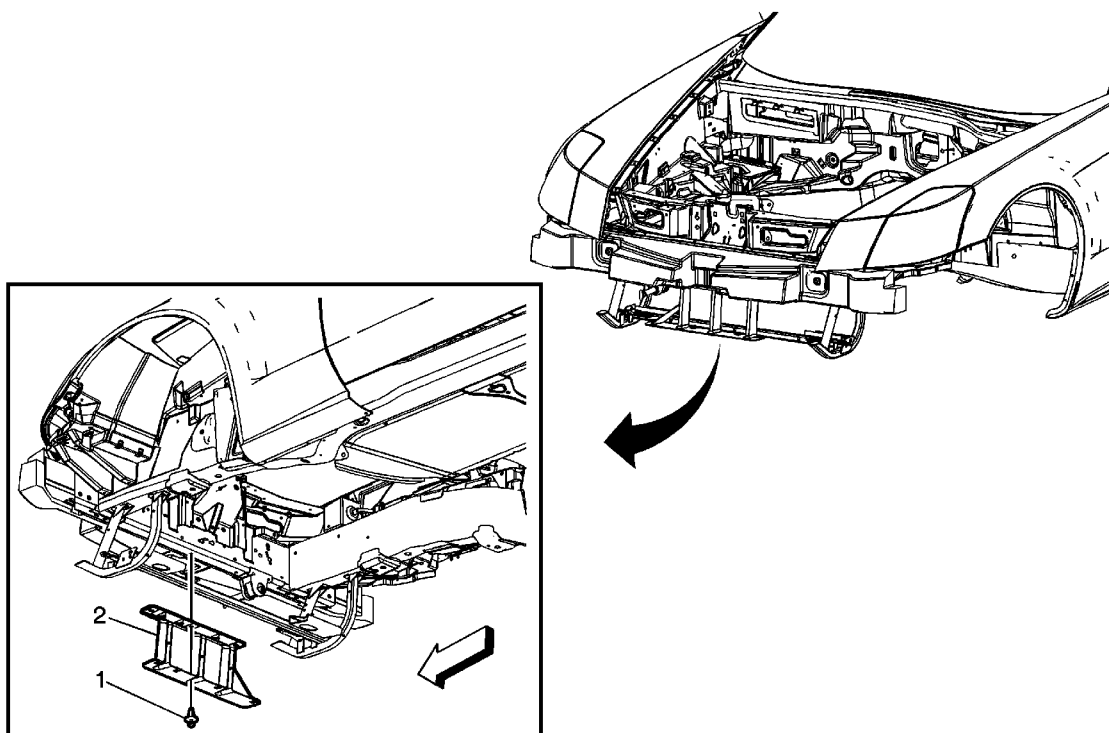


Callout	Component Name
<b>Preliminary Procedures</b> <ol style="list-style-type: none"> <li>1. Remove the front compartment sight shield.</li> <li>2. Remove the wheelhouse panels. Refer to <a href="#">Front Wheelhouse Liner Replacement</a>.</li> </ol>	
1	Front Bumper Fascia Lower Screw (Qty: 8)  <b>Caution:</b> Refer to <a href="#">Fastener Caution</a> in the Preface section.  <b>Tighten</b> 3 N·m (27 lb in)
2	Front Bumper Fascia Upper Screw (Qty: 4)  <b>Tighten</b> 6 N·m (53 lb in)
3	Front Bumper Fascia  <b>Procedure</b> <ol style="list-style-type: none"> <li>1. Disconnect the headlamp washer hose.</li> </ol>

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- |  |   |
|--|---|
|  | <ol style="list-style-type: none"><li>2. Disconnect the electrical connectors.</li><li>3. Pull out integral snaps to fascia to fender attachment.</li></ol> |
|--|---|

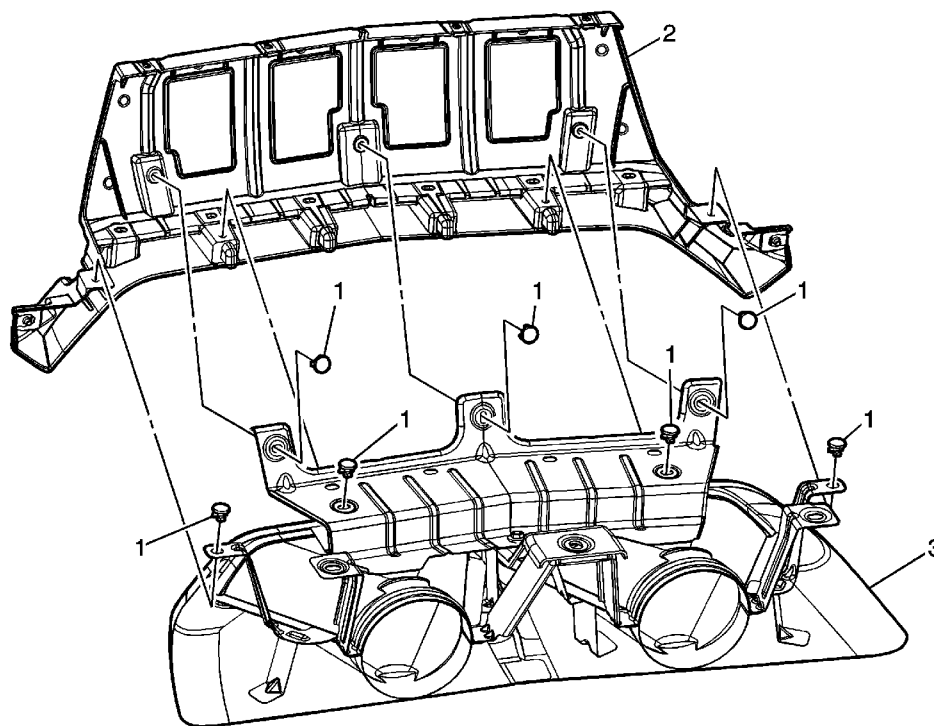
## Front Bumper Fascia Support Replacement (Lower)



Callout	Component Name
<b>Preliminary Procedure</b>	
Remove the front bumper fascia. Refer to <a href="#">Front Bumper Fascia Replacement</a> .	
1	Front Bumper Fascia Lower Support Plastic Retainers (Qty: 4)
2	Front Bumper Fascia Lower Support



## Rear Bumper Fascia Heat Shield Replacement

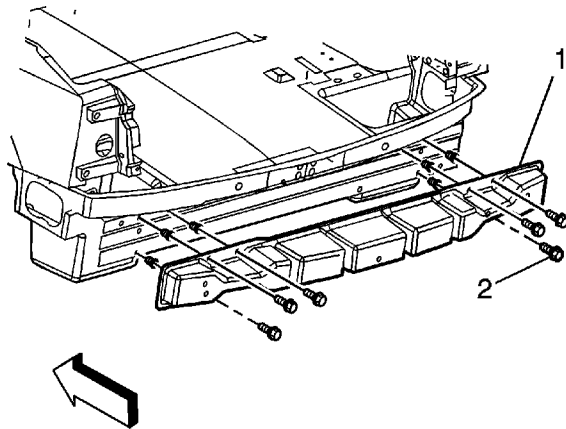


Callout	Component Name
<b>Preliminary Procedures</b> <ol style="list-style-type: none"> <li>1. Remove the rear bumper fascia. Refer to <a href="#">Rear Bumper Fascia Replacement</a>.</li> <li>2. Remove the rear bumper fascia center bracket. Refer to <a href="#">Rear Bumper Fascia Center Bracket Replacement</a>.</li> </ol>	
1	Rear Bumper Fascia Heat Shield Rivet (Qty: 7)  <b>Procedure</b>  Drill out the rivets and replace with new rivets.
2	Rear Bumper Fascia Center Bracket  <b>Procedure</b>  Remove the center bracket from the heat shield.
3	Rear Bumper Fascia Heat Shield

## Rear Bumper Extension Replacement

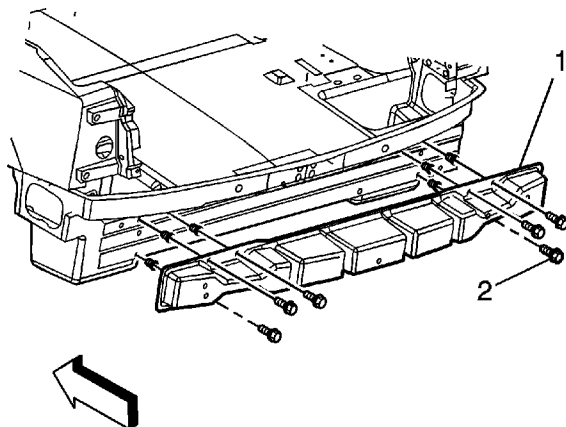
### Removal Procedure

1. Remove the rear bumper fascia. Refer to [Rear Bumper Fascia Replacement](#).
2. Remove the rear energy absorber. Refer to [Rear Energy Absorber Replacement](#).



3. Remove the bolts (2) attaching the extension (1) to the rear impact bar.
4. Remove the extension (1) from the impact bar.

### Installation Procedure



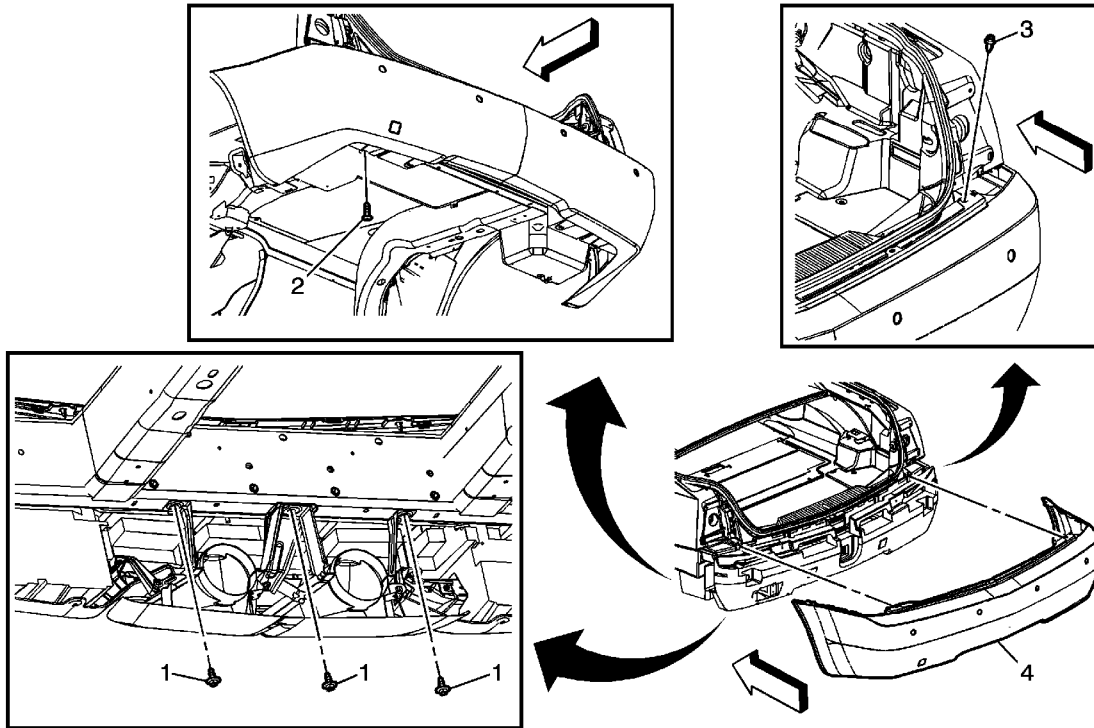


1. Position the extension (1) to the impact bar.

**Caution:** Refer to [Fastener Caution](#) in the Preface section.

2. Install the bolts (2) that attach the extension (1) to the impact bar and tighten to **10 N·m (89 lb in)**.
3. Install the rear energy absorber. Refer to [Rear Energy Absorber Replacement](#).
4. Install the bumper fascia. Refer to [Rear Bumper Fascia Replacement](#).

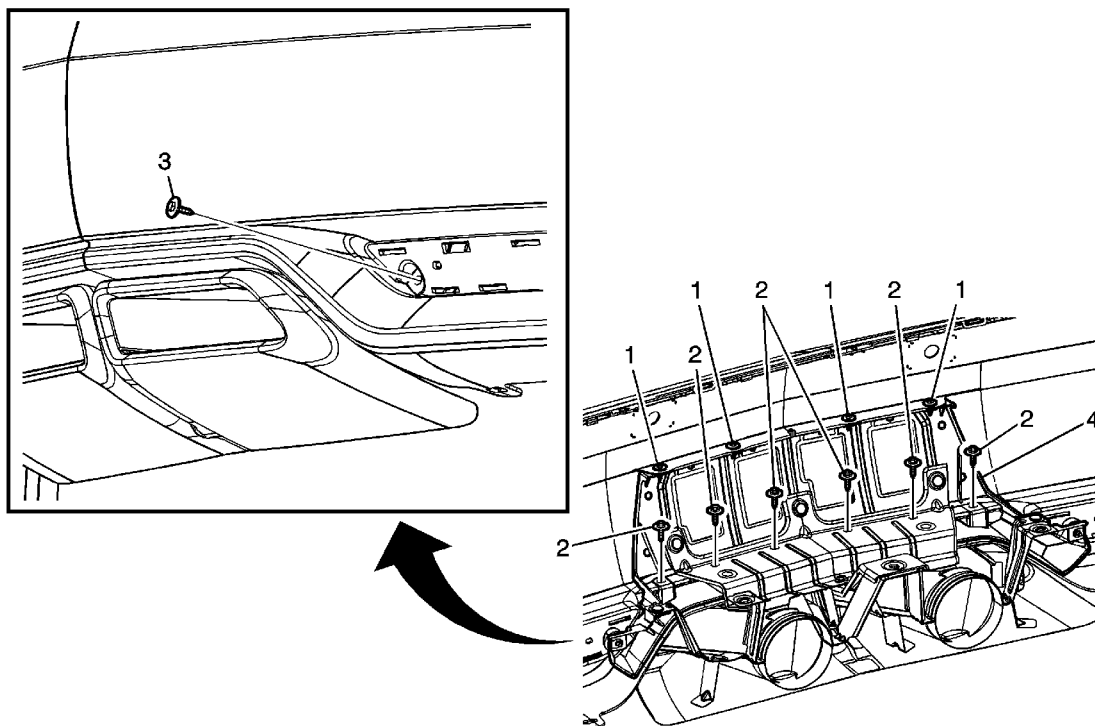
## Rear Bumper Fascia Replacement



Callout	Component Name
<b>Preliminary Procedures</b> <ol style="list-style-type: none"> <li>1. Remove the rear bumper fascia filler. Refer to <a href="#">Bumper Filler Replacement</a>.</li> <li>2. Remove the rear wheelhouse liner panels. Refer to <a href="#">Rear Wheelhouse Panel Liner Replacement</a>.</li> </ol>	
1	Rear Bumper Fascia Screw (Qty: 3)  <b>Caution:</b> Refer to <a href="#">Fastener Caution</a> in the Preface section.  <b>Tighten</b> 2 N·m (18 lb in)
2	Rear Bumper Fascia Screw (Qty: 4)  <b>Tighten</b> 2 N·m (18 lb in)
3	Rear Bumper Fascia Plastic Retainer (Qty: 5)
	Rear Bumper Fascia
<b>Procedure</b> © 2010 General Motors Corporation. All rights reserved.	

4	<ol style="list-style-type: none"><li>1. Disconnect any electrical connectors as needed.</li><li>2. Pull out integral at fascia to fender attachment.</li></ol>
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## Rear Bumper Fascia Center Bracket Replacement



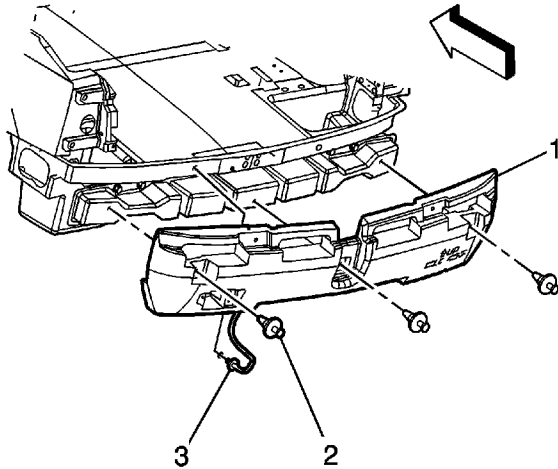
Callout	Component Name
<b>Preliminary Procedures</b>	
<ol style="list-style-type: none"><li>1. Remove the rear bumper fascia. Refer to <a href="#">Rear Bumper Fascia Replacement</a>.</li><li>2. Drill out the rivets from the rear bumper fascia heat shield. Refer to <a href="#">Rear Bumper Fascia Heat Shield Replacement</a>.</li></ol>	
1	Rear Bumper Fascia Center Bracket Retainer (Qty: 4) <b>Caution:</b> Refer to <a href="#">Fastener Caution</a> in the Preface section. <b>Tighten</b> 10 N·m (89 lb in)
2	Rear Bumper Fascia Center Bracket Retainer (Qty: 6) <b>Tighten</b> 10 N·m (89 lb in)
3	Rear Bumper Fascia Center Bracket Retainer (Qty: 2) <b>Procedure</b>

	Remove the center bracket from the heat shield. <b>Tighten</b> 10 N·m (89 lb in)
4	Rear Bumper Fascia Center Bracket

## Rear Energy Absorber Replacement

### Removal Procedure

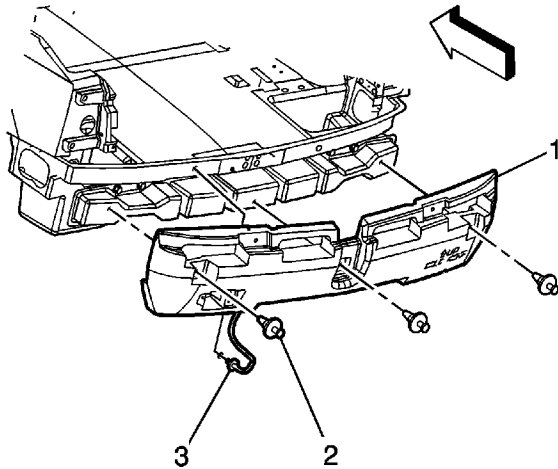
1. Remove the rear bumper fascia. Refer to [Rear Bumper Fascia Replacement](#) .
2. Remove the emergency lock cylinder cable (3) from the rear compartment latch. Refer to [Rear Compartment Lid Latch Replacement](#) .



3. Remove the push-in fasteners (2) attaching the energy absorber (1) to the rear bumper extension.
4. Remove the energy absorber (1) from the bumper extension.

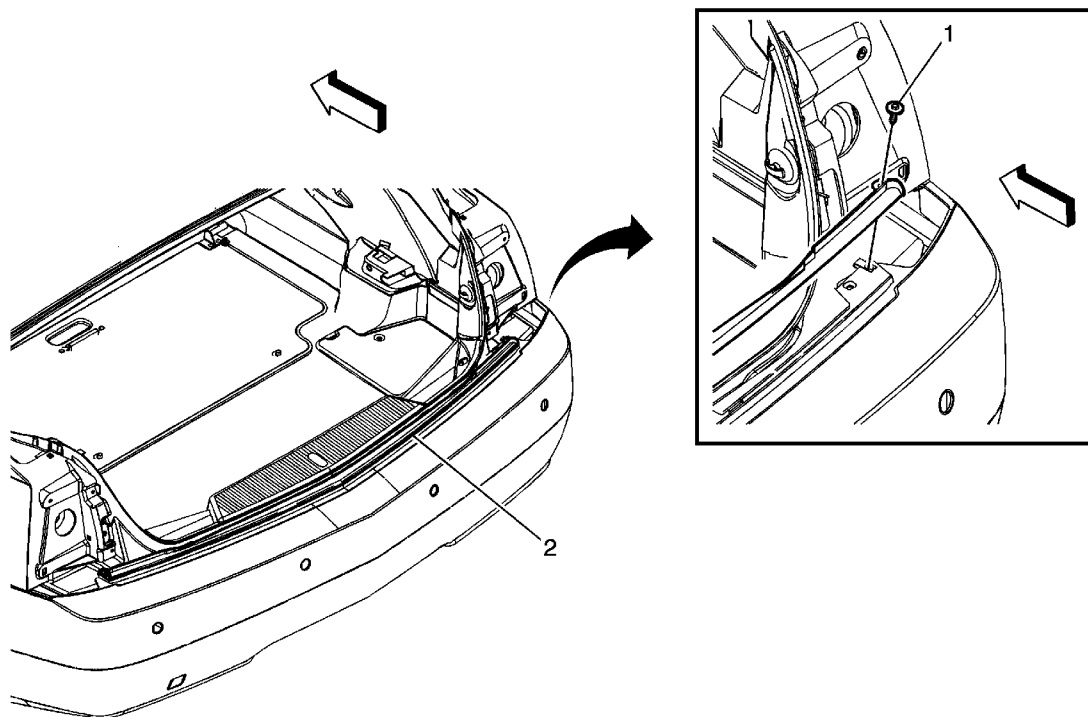
### Installation Procedure





1. Position the energy absorber (1) to the bumper extension.
2. Install the emergency lock cylinder cable (3) to the rear compartment latch. Refer to [Rear Compartment Lid Latch Replacement](#) .
3. Install the push-in fasteners (2) that attach the energy absorber (1) to the bumper extension.
4. Install the bumper fascia. Refer to [Rear Bumper Fascia Replacement](#) .

## Bumper Filler Replacement (Rear Fascia)



Callout	Component Name
<b>Preliminary Procedure</b>	
Remove the tail/turn signal lamps. Refer to <a href="#">Tail/Turn Signal Lamp Replacement</a> .	
1	Rear Bumper Fascia Filler Screw (Qty: 2) <b>Caution:</b> Refer to <a href="#">Fastener Caution</a> in the Preface section. <b>Tighten</b> 6 N·m (53 lb in)
2	Rear Bumper Fascia Filler

[2009 Cadillac XLR](#) | [XLR \(VIN Y\) Service Manual](#) | [Body Hardware and Trim](#) | [Exterior Trim](#) | [Specifications](#) |

Document ID: 1827639

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## Fastener Tightening Specifications

Application	Specification	
	Metric	English
Front Grille to Fascia Screws	2 N·m	18 lb in

# Front Fender Emblem/Nameplate Replacement (XLR)

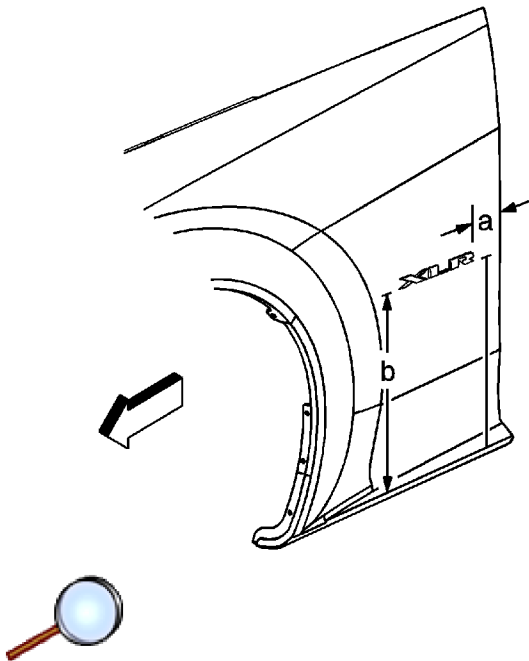
## Special Tools

[J 25070](#) Heat Gun

## Removal Procedure

1. When replacing an emblem/nameplate, do the following:
  - 1.1. Use tape to protect the mounting surface during removal.
  - 1.2. Use tape for alignment marks for installation of the emblem/nameplate.
2. To remove an emblem/nameplate, heat the emblem/nameplate using a [J 25070](#).
3. Apply the heat using a circular motion for about 30 seconds holding the [J 25070](#) approximately 152 mm (6 in) from the surface.

**Caution:** Refer to [Exterior Trim Emblem Removal Caution](#) in the Preface section.



4. Use a plastic, flat-bladed tool to remove the emblem/nameplate from the panel surface.

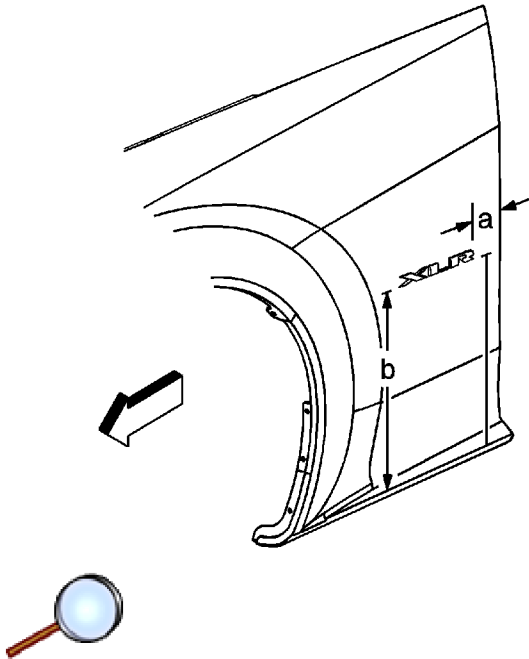
## Installation Procedure

**Note:** Apply the emblem/nameplate in an environment that is free from dust or other dirt that could come into contact with the sticky backing. Foreign material may cause improper adhesion.

1. Clean the area where the emblem/nameplate will be installed.

Use a lint free cloth and Varnish Makers and Painters (VMP) naphtha, or a 50/50 mixture, by volume of isopropyl alcohol and water to clean the area.

2. Dry the area thoroughly.
3. If the location of the emblem/nameplate has not been marked, apply tape and use the following dimensions:

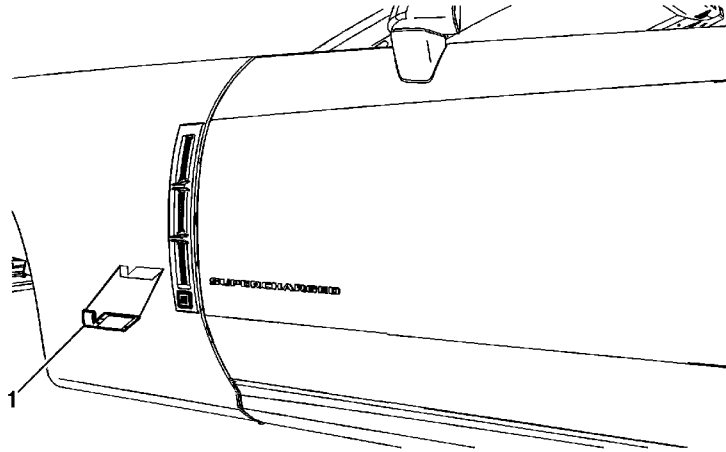


4. For the XLR emblem/nameplate, install to the following dimensions:
  - Dimension (a) is 108 mm (4.25 in) from the trailing edge of the fender to the edge of the emblem/nameplate.
  - Dimension (b) is 305 mm (12 in) from the bottom edge of the fender to the emblem/nameplate.
5. Heat the mounting surface to approximately 27-41°C (80-105°F) using the [J 25070](#) , if necessary.
6. Ensure that the temperature of the emblem/nameplate is approximately 29-32°C (85-90°F).

**Note:** Do not touch the adhesive backing on the emblem/nameplate.

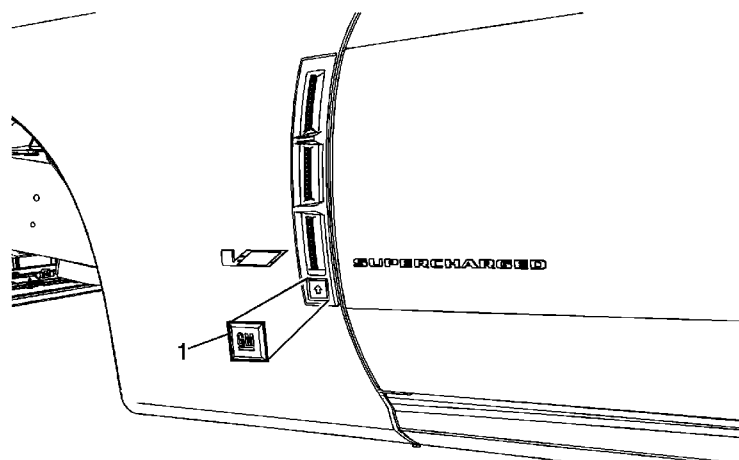
7. Remove the protective liner from the back of the emblem/nameplate.
8. Position the emblem/nameplate to the location marks and press the emblem/nameplate to the mounting surface.
9. Apply equal pressure along the emblem/nameplate to uniformly bond the item to the mounting surface.
10. Remove the protective tape from the mounting surface.

## Front Fender Emblem/Nameplate Replacement (XLR-V)



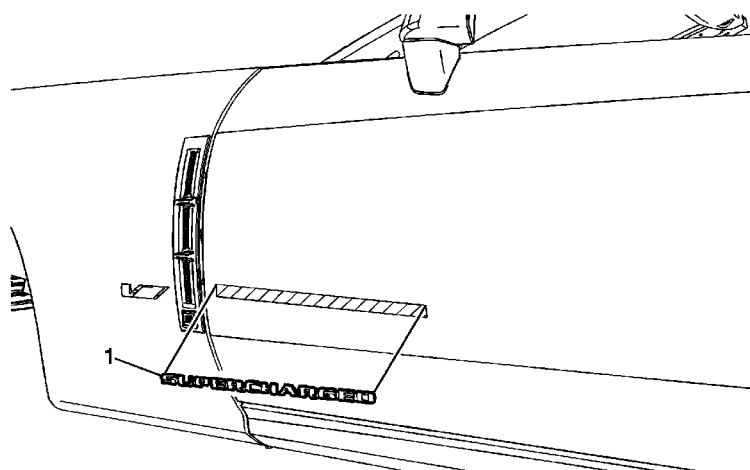
Callout	Component Name
1	<p>Front Fender Nameplate/Emblem (V Series)</p> <p><b>Caution:</b> Refer to <a href="#">Exterior Trim Emblem Removal Caution</a> in the Preface section.</p> <p><b>Procedure</b></p> <ol style="list-style-type: none"><li>1. The part and surface should be 21°C (70°F) prior to installation. The vehicle should remain 21°C (70°F) for one hour after assembly to allow adhesive to develop sufficient bond strength.</li><li>2. Use a <a href="#">J 25070</a> Heat Gun or equivalent to remove the old nameplate.</li><li>3. Clean all the adhesive residue from the fender and wipe the surface dry with a clean lint-free towel prior to installing new nameplate.</li><li>4. When removing protective liners from adhesive backed nameplates, be careful not to touch the tape with hands and do not allow the tape to come in contact with dirt or any foreign matter prior to adhesion.</li><li>5. Remove the protective liner from the back side of the adhesive tape.</li><li>6. Align the nameplate/emblem to the fender and press to ensure full adhesion is made to the fender.</li></ol> <p><b>Special Tools</b></p> <p><a href="#">J 25070</a> Heat Gun - 500-750°F</p>

## Front Fender Emblem/Nameplate Replacement (XLR-V Series GME)



Callout	Component Name
1	<p>Front Fender Nameplate/Emblem (GME)</p> <p><b>Caution:</b> Refer to <a href="#">Exterior Trim Emblem Removal Caution</a> in the Preface section.</p> <p><b>Procedure</b></p> <ol style="list-style-type: none"><li>1. The part and surface should be 21°C (70°F) prior to installation. The vehicle should remain 21°C (70°F) for one hour after assembly to allow adhesive to develop sufficient bond strength.</li><li>2. Use a <a href="#">J 25070</a> Heat Gun or equivalent to remove the old nameplate.</li><li>3. Clean all the adhesive residue from the fender ornament and wipe the surface dry with a clean lint-free towel prior to installing new nameplate.</li><li>4. When removing protective liners from adhesive backed nameplates, be careful not to touch the tape with hands and do not allow the tape to come in contact with dirt or any foreign matter prior to adhesion.</li><li>5. Remove the protective liner from the back side of the adhesive tape.</li><li>6. Align the nameplate/emblem to the fender ornament and press to ensure full adhesion is made.</li></ol> <p><b>Special Tools</b></p> <p><a href="#">J 25070</a> Heat Gun - 500-750°F</p>

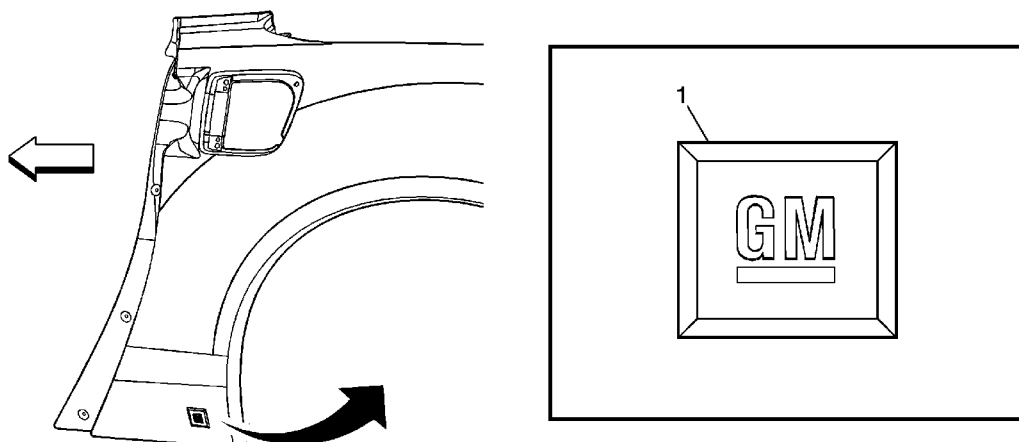
## Front Side Door Emblem/Nameplate Replacement (XLR-V)



Callout	Component Name
1	<p>Front Door Nameplate/Emblem (Supercharged)</p> <p><b>Caution:</b> Refer to <a href="#">Exterior Trim Emblem Removal Caution</a> in the Preface section.</p> <p><b>Procedure</b></p> <ol style="list-style-type: none"><li>1. The part and surface should be 21°C (70°F) prior to installation. The vehicle should remain 21°C (70°F) for one hour after assembly to allow adhesive to develop sufficient bond strength.</li><li>2. Use a <a href="#">J 25070</a> Heat Gun or equivalent to remove the old nameplate.</li><li>3. Clean all the adhesive residue from the door and wipe the surface dry with a clean lint-free towel prior to installing new nameplate.</li><li>4. When removing protective liners from adhesive backed nameplates, be careful not to touch the tape with hands and do not allow the tape to come in contact with dirt or any foreign matter prior to adhesion.</li><li>5. Remove the protective liner from the back side of the adhesive tape.</li><li>6. Close the front door prior to installing the new nameplate/emblem.</li><li>7. Align the nameplate/emblem to the door and press to ensure full adhesion is made to the door.</li></ol> <p><b>Special Tools</b></p> <p><a href="#">J 25070</a> Heat Gun - 500-750°F</p>



## Quarter Panel Emblem/Nameplate Replacement



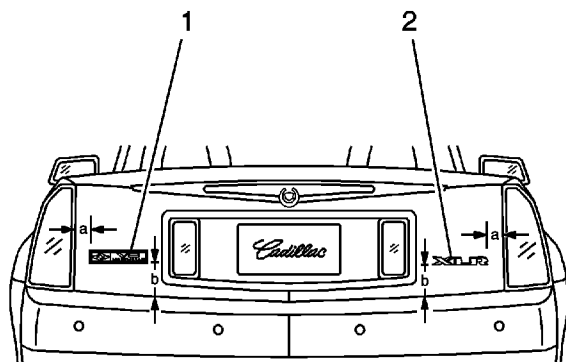
Callout	Component Name
1	<p>Rear Quarter Panel Nameplate</p> <ol style="list-style-type: none"><li>1. When removing protective liners from adhesive backed nameplates, be careful not to touch the tape with hands and do not allow the tape to come in contact with dirt or any foreign matter prior to adhesion.</li><li>2. Use a <a href="#">J 25070</a> or equivalent to remove the old nameplate. Clean all the adhesive residue from the fender, wipe the surface dry with a clean lint-free towel prior to installing new GM nameplate.</li><li>3. Press the nameplate firmly to the rear lower quarter panel to ensure full adhesion is made to that panel.</li></ol>

## Rear Compartment Lid Emblem/Nameplate Replacement (V8)

### Special Tools

[J 25070](#) Heat Gun

### Removal Procedure



1. When replacing an emblem/nameplate (1, 2), do the following:
  - 1.1. Use tape to protect the mounting surface during removal.
  - 1.2. Use tape for alignment marks for installation of the emblem/nameplate.
2. To remove an emblem/nameplate, heat the emblem/nameplate using a [J 25070](#).
3. Apply the heat using a circular motion for about 30 seconds holding the [J 25070](#) approximately 152 mm (6 in) from the surface.

**Caution:** Refer to [Exterior Trim Emblem Removal Caution](#) in the Preface section.

4. Use a plastic, flat-bladed tool to remove the emblem/nameplate from the panel surface.

### Installation Procedure

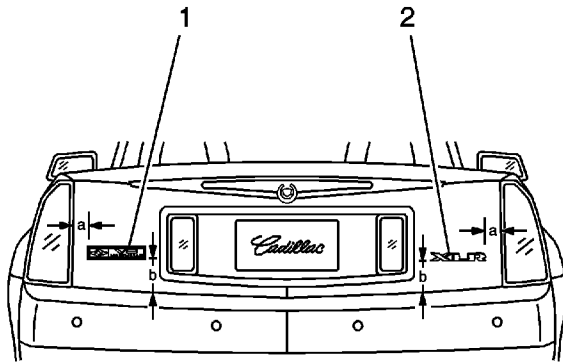
1. Ensure that the temperature of the emblem/nameplate is approximately 29-32°C (85-90°F).

**Note:** Do not touch the adhesive backing on the emblem/nameplate.

2. Remove the protective liner from the back of the emblem/nameplate.

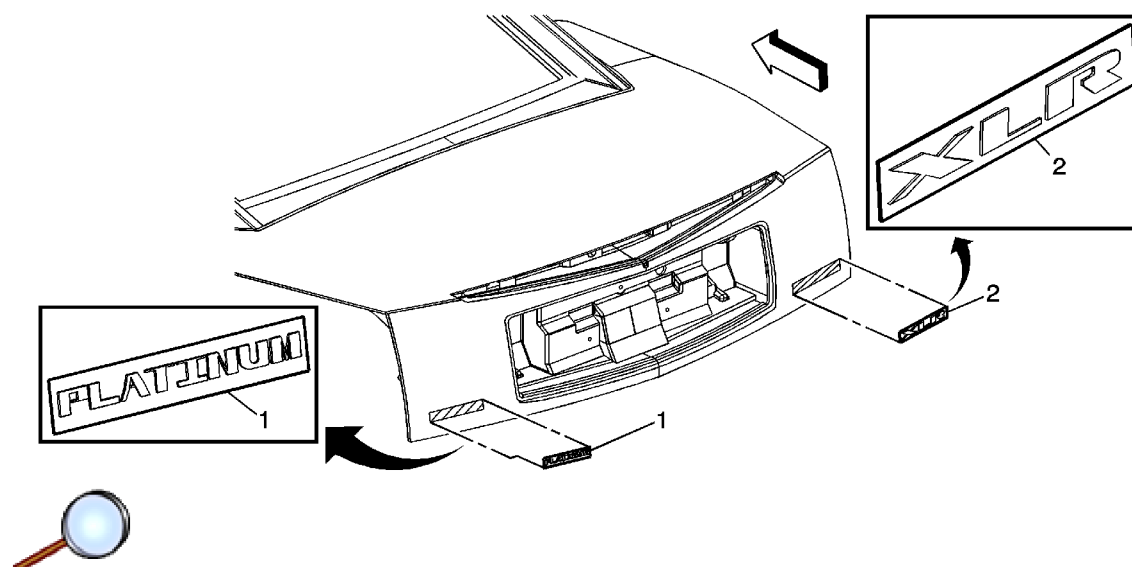
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3. Heat the mounting surface to approximately 27-41°C (80-105°F) using the [J 25070](#) , if necessary.



4. Position the V8 Northstar emblem (1) on the driver side:
  - To the left side of the rear compartment lid
  - (a) 67 mm (2.6 in) from the left edge of the rear compartment lid
  - (b) 86 mm (3.4 in) from the bottom edge of the rear compartment lid
5. Position the XLR emblem (2) on the passenger side:
  - To the right side of the rear compartment lid
  - (a) 60 mm (2.4 in) from the right edge of the rear compartment lid
  - (b) 86 mm (3.4 in) from the bottom edge of the rear compartment lid
6. Apply equal pressure along the emblem/nameplate to uniformly bond the item to the mounting surface.
7. Remove the protective tape from the mounting surface.

## Rear Compartment Lid Emblem/Nameplate Replacement (XLR-Platinum)



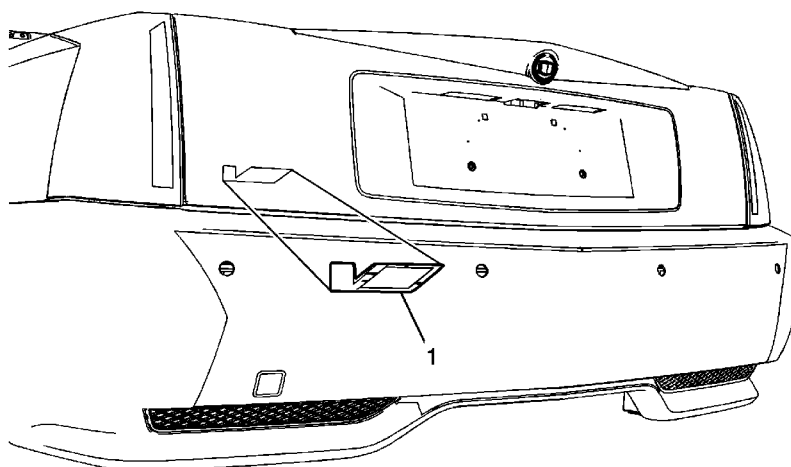
Callout	Component Name
<b>Preliminary Procedure</b> <ol style="list-style-type: none"> <li>1. Use a <a href="#">J 25070</a> Heat Gun or equivalent to remove the old emblem/nameplate.</li> <li>2. Clean all adhesive from rear compartment lid, wipe surface dry with a clean lint-free towel prior to installing new emblem/nameplate.</li> <li>3. When removing protective liners from the adhesive tape, be careful not to touch the tape with your hands and do not allow the tape to come in contact with dirt or any foreign matter prior to adhesion.</li> </ol> <b>Special Tools</b> <a href="#">J 25070</a> Heat Gun	
1	Rear Compartment Lid Nameplate/Emblem (Platinum)  <b>Caution:</b> Refer to <a href="#">Exterior Trim Emblem Removal Caution</a> in the Preface section.  <b>Procedure</b> <ol style="list-style-type: none"> <li>1. Ensure the rear compartment lid is in the full closed position prior to installing the emblem.</li> <li>2. Position the emblem to the left side of the rear compartment lid.</li> <li>3. Apply pressure to the emblem to ensure full adhesion is made to the rear compartment lid.</li> </ol>
	Rear Compartment Lid Nameplate/Emblem (XLR) <small>© 2010 General Motors Corporation. All rights reserved.</small>

**Procedure**

2

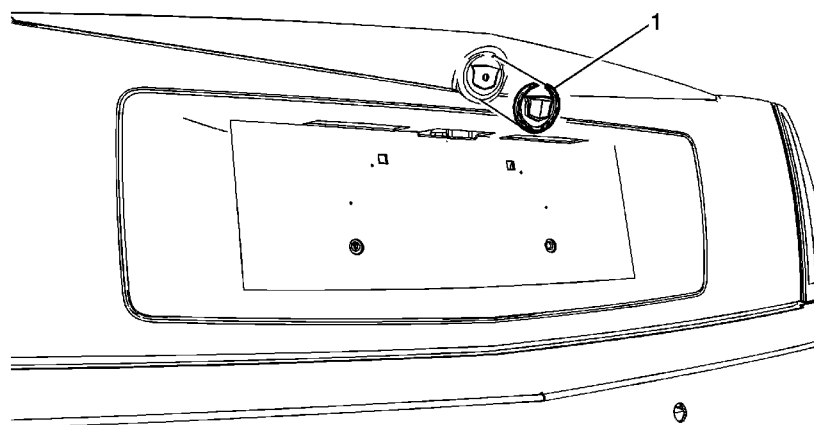
1. Ensure the rear compartment lid is in the full closed position prior to installing the emblem.
2. Position the emblem to the right side of the rear compartment lid.
3. Apply pressure to the emblem to ensure full adhesion is made to the rear compartment lid.

## Rear Compartment Lid Emblem/Nameplate Replacement (XLR-V)



Callout	Component Name
<b>Preliminary Procedure</b> <ol style="list-style-type: none"><li>1. Use a <a href="#">J 25070</a> Heat Gun or equivalent to remove the old emblem/nameplate.</li><li>2. Clean all adhesive from rear compartment lid, wipe surface dry with a clean lint-free towel prior to installing new emblem/nameplate.</li><li>3. When removing protective liners from the adhesive tape, be careful not to touch the tape with your hands and do not allow the tape to come in contact with dirt or any foreign matter prior to adhesion.</li></ol>	
<b>Special Tools</b> <a href="#">J 25070</a> Heat Gun	
1	<p>Rear Compartment Lid Nameplate/Emblem (V Series)</p> <p><b>Caution:</b> Refer to <a href="#">Exterior Trim Emblem Removal Caution</a> in the Preface section.</p> <p><b>Procedure</b></p> <ol style="list-style-type: none"><li>1. Ensure the rear compartment lid is in the full closed position prior to installing the emblem.</li><li>2. Peel off the adhesive backing from the emblem.</li><li>3. Position the emblem to the left lower side of the rear compartment lid.</li><li>4. Apply pressure to the emblem to ensure full adhesion is made to the rear compartment lid.</li></ol>

## Rear Compartment Lid Emblem/Nameplate Replacement (XLR-V Wreath and Crest)

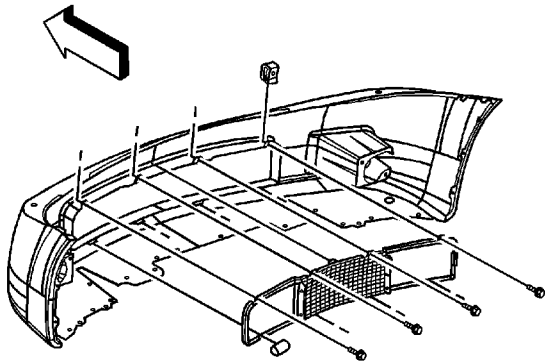


Callout	Component Name
<b>Preliminary Procedure</b>  <ol style="list-style-type: none"><li>1. Use a <a href="#">J 25070</a> Heat Gun or equivalent to loosen and remove the old emblem/nameplate.</li><li>2. Clean all adhesive from rear high mount stop lamp, wipe surface dry with a clean lint-free towel prior to installing new emblem/nameplate.</li><li>3. When removing protective liners from the adhesive tape, be careful not to touch the tape with your hands and do not allow the tape to come in contact with dirt or any foreign matter prior to adhesion.</li></ol> <b>Special Tools</b>  <a href="#">J 25070</a> Heat Gun	
1	<b>High Mount Stop Lamp Nameplate/Emblem (Wreath and Crest)</b>  <b>Caution:</b> Refer to <a href="#">Exterior Trim Emblem Removal Caution</a> in the Preface section.  <b>Procedure</b>  <ol style="list-style-type: none"><li>1. Ensure the rear compartment lid is in the full closed position prior to installing the emblem.</li><li>2. Peel off the adhesive backing from the emblem.</li><li>3. Position the emblem to the high mount stop lamp.</li><li>4. Apply gentle pressure to the emblem to ensure full adhesion is made to the rear high mount stop lamp.</li></ol>

## Fascia Grille Replacement

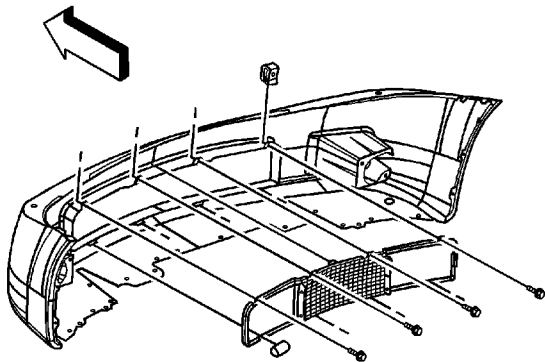
### Removal Procedure

1. Remove the front bumper fascia. Refer to [Front Bumper Fascia Replacement](#).



2. Remove the screws attaching the grille to the front fascia.
3. Remove the fasteners attaching the grille to the fascia.
4. Remove the grille from the fascia.

### Installation Procedure







1. Position the grille to the fascia.
2. Install the fasteners that attach the grille to the fascia.

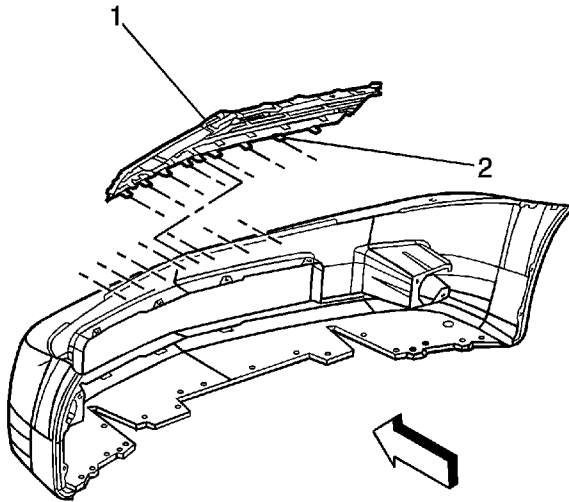
**Caution:** Refer to [Fastener Caution](#) in the Preface section.

3. Install the screws that attach the grille to the fascia and tighten to **2 N·m (18 lb in)**.
4. Install the fascia. Refer to [Front Bumper Fascia Replacement](#).

## Front Bumper Upper Fascia Grille Replacement

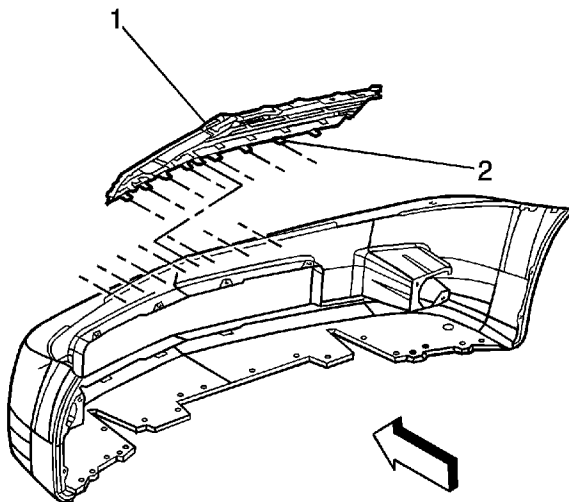
### Removal Procedure

1. Remove the front bumper fascia. Refer to [Front Bumper Fascia Replacement](#) .



2. Release the grille tabs (2) from the fascia.
3. Remove the grille (1) from the fascia.

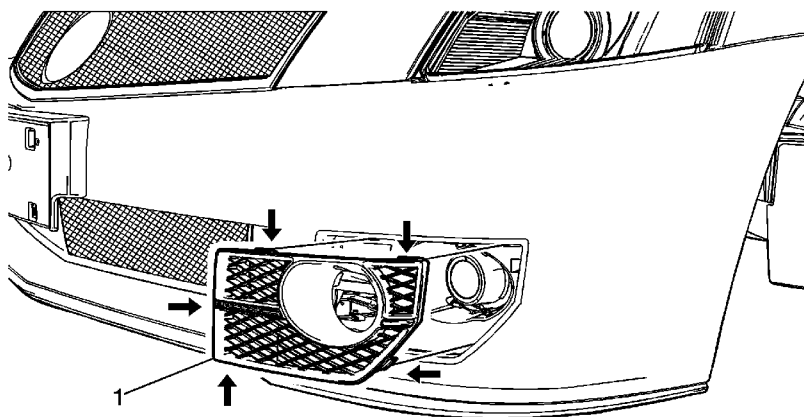
### Installation Procedure





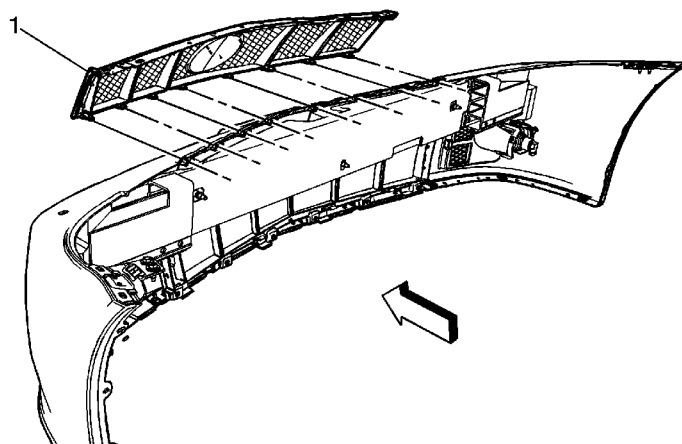
1. Position the grille (1) to the fascia and press the grille tabs (2) into place.
2. Install the front bumper fascia. Refer to [Front Bumper Fascia Replacement](#) .

## Front Bumper Lower Fascia Side Grille Replacement (XLR-V)



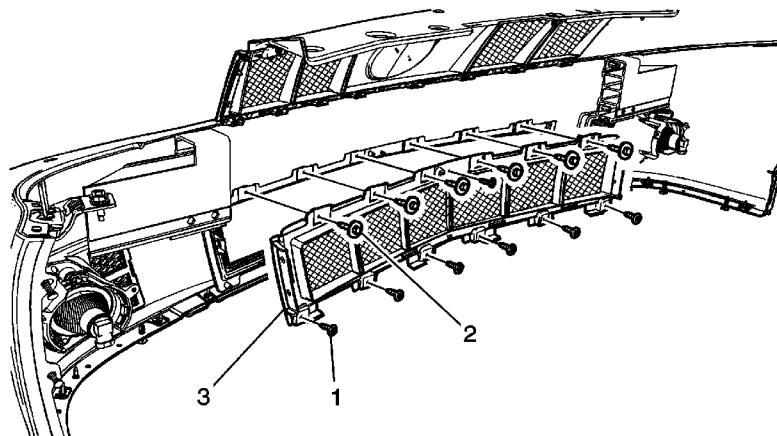
Callout	Component Name
1	Front Bumper Lower Fascia Side Grille <b>Tip</b> Insert a small flat-bladed tool individually around the five arrow locations and gently pry the tabs inward in order to release the side grille from the front bumper fascia.

## Radiator Upper Grille Replacement (XLR-V)



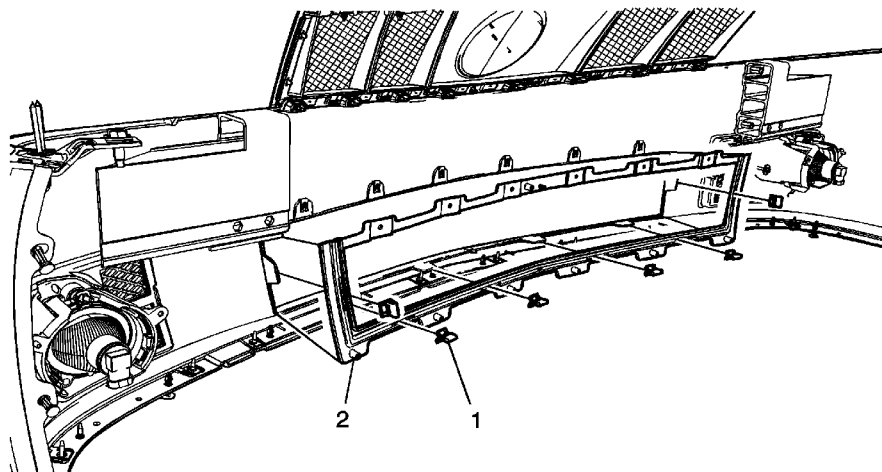
Callout	Component Name
<b>Preliminary Procedure</b>	
Remove the front bumper fascia. Refer to <a href="#">Front Bumper Fascia Replacement</a> .	
1	<b>Radiator Upper Grille Assembly</b>  <b>Tip</b> Release the eight tabs while carefully pulling the grille assembly from the front bumper fascia.

## Radiator Lower Grille Replacement (XLR-V)



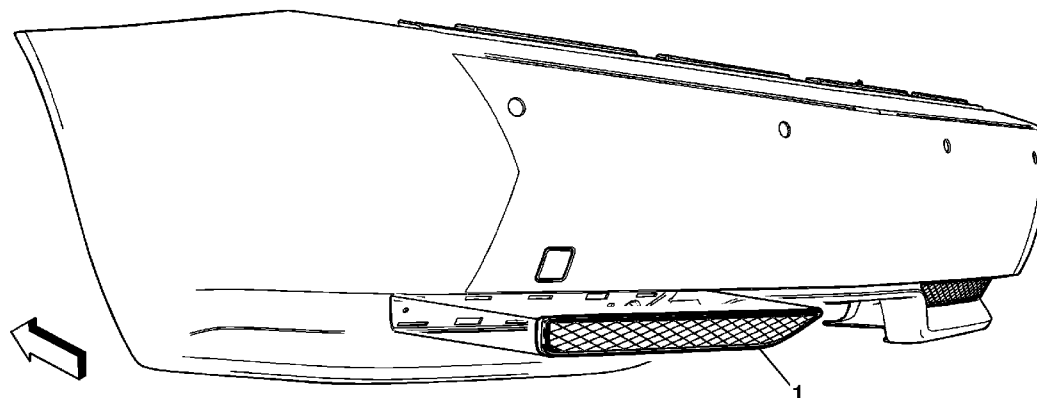
Callout	Component Name
<b>Preliminary Procedure</b>	
Remove the front bumper fascia. Refer to <a href="#">Front Bumper Fascia Replacement</a> .	
1	Grille to Opening Bezel Screw (Qty: 7)  <b>Caution:</b> Refer to <a href="#">Fastener Caution</a> in the Preface section.  <b>Tighten</b> 1.9 N·m(17 lb in)
2	Grille to Front Bumper Fascia Screw (Qty: 6)  <b>Tighten</b> 6 N·m(53 lb in)
3	Radiator Lower Grille Assembly  <b>Tip</b> Upon assembly, align the center of the grille to the alignment pin on the inside of the front bumper fascia.

## Radiator Grille Opening Bezel Replacement (XLR-V)



Callout	Component Name
<b>Preliminary Procedure</b>	
Remove the radiator lower grille assembly. Refer to <a href="#">Radiator Lower Grille Replacement</a> .	
1	Radiator Grille Opening Bezel Clip (Qty: 6) <b>Tip</b> Release the clips from the tabs on the front bumper fascia.
2	Radiator Lower Grille Opening Bezel

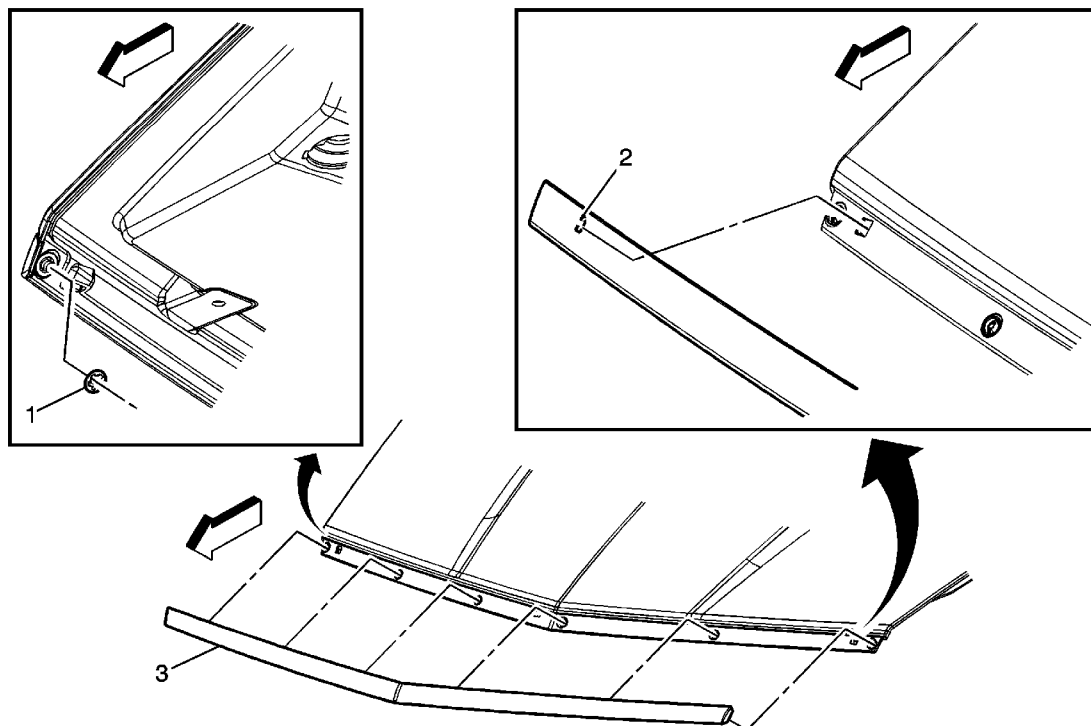
## Rear Bumper Fascia Center Grille Replacement (XLR-V)



Callout	Component Name
<b>Preliminary Procedure</b>	
Remove the rear bumper fascia. Refer to <a href="#">Rear Bumper Fascia Replacement</a> .	
1	Rear Bumper Fascia Center Grille Assembly
	<b>Tip</b> Release the tabs securing the grille assembly to the rear bumper fascia.

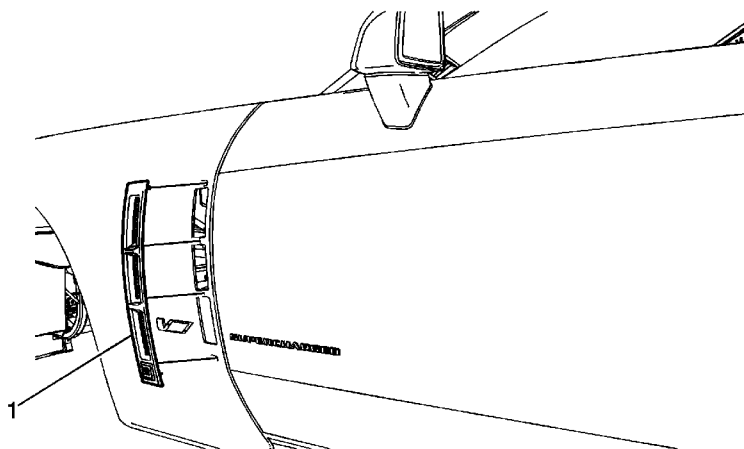


## Hood Front Molding Replacement



Callout	Component Name
<b>Preliminary Procedure</b>	
Raise and support the hood.	
1	Hood Front Molding Retainer Nut (Qty: 6) <b>Tip</b> Cut the retainer nuts with side cutters and replace with new retainer nuts.
2	Hood Front Molding Locator Tab (Qty: 3) <b>Tip</b> Align the new molding to the hood panel by using the locator tabs on the backside of the molding.
3	Hood Front Molding

## Front Fender Ornament Replacement (XLR-V)



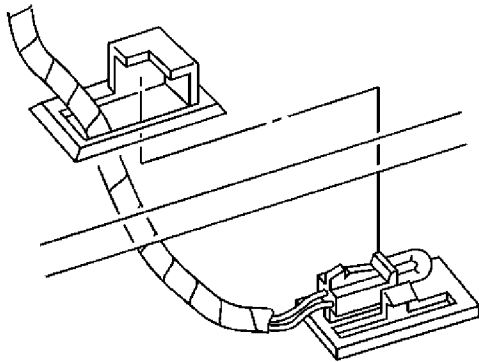
Callout	Component Name
1	<p>Front Fender Ornament Assembly</p> <p><b>Caution:</b> Refer to <a href="#">Exterior Trim Emblem Removal Caution</a> in the Preface section.</p> <p><b>Procedure</b></p> <ol style="list-style-type: none"><li>1. Use a <a href="#">J 25070</a> Heat Gun or equivalent to assist in the removal of the old fender ornament adhesive tape.</li><li>2. Gently pry the top of the ornament outward working downward to the bottom of the ornament.</li><li>3. Clean all adhesive from the fender panel and wipe the surface dry with a clean lint-free towel prior to installing the new fender ornament.</li><li>4. The part and surface should be 21°C (70°F) prior to installation. The vehicle should remain 21°C (70°F) for one hour after assembly to allow adhesive to develop sufficient bond strength.</li><li>5. When removing protective liners from the adhesive tape, be careful not to touch tape with hands and do not allow tape to come in contact with dirt or any foreign matter prior to adhesion.</li><li>6. Align the two center fender ornament alignment pins to the center holes in the fender panel.</li><li>7. Using the palm of the hand, wet out the adhesive tape to the entire periphery of the fender panel ornament to ensure full adhesion of the fender ornament to panel is made.</li></ol> <p><b>Special Tools</b></p> <p><a href="#">J 25070</a> Heat Gun</p>

## Fastener Tightening Specifications

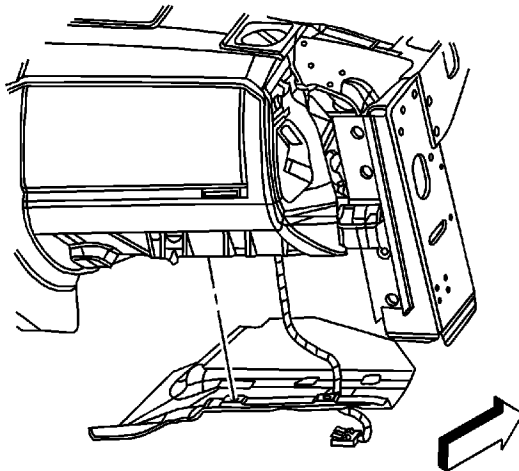
Application	Specification	
	Metric	English
Air Distribution Duct Retaining Screws	1.8 N·m	16 lb in
AMP Module Retaining Bolts	2.5 N·m	22 lb in
Center Air Outlet Retaining Screws	1.7 N·m	15 lb in
Console Door Hinge Retaining Nuts	2.4 N·m	21 lb in
Console Door Retaining Screws	1.9 N·m	17 lb in
Console Retaining Nuts	10 N·m	89 lb in
Driver Knee Bolster Bracket Retaining Screws	1.9 N·m	17 lb in
Floor Air Outlet Duct Retaining Screws	1.6 N·m	14 lb in
HVAC Control Retaining Screws	1.9 N·m	17 lb in
IPC to Steering Column Bracket Retaining Screws	3 N·m	27 lb in
I/P Dimmer Switch Retaining Screws	1.5 N·m	13 lb in
I/P Passenger Compartment Upper Retaining Screw	1.9 N·m	17 lb in
I/P Passenger Compartment Side Retaining Screw	1.9 N·m	17 lb in
I/P Passenger Compartment Lower Retaining Bolts	12 N·m	106 lb in
I/P Pad to Driver Knee Bolster Outer Bracket Screw	1.9 N·m	17 lb in
I/P Pad to I/P Center Support Screws	1.9 N·m	17 lb in
I/P Pad to LH and RH Hinge Pillar Screws	2.5 N·m	22 lb in
I/P Pad to Windshield Defroster Duct Screws	1.9 N·m	17 lb in
Negative Battery Cable Bolt	15 N·m	11 lb ft
Passenger Air Outlet Retaining Screws	1.7 N·m	15 lb in
Passenger SIR Bracket Mounting Bolts	12 N·m	106 lb in
Passenger SIR Module Retaining Nuts	10 N·m	89 lb in
Passenger Knee Bolster Bracket Retaining Bolts	12 N·m	106 lb in
Radio Control Retaining Screws	2.5 N·m	22 lb in
Steering Column Bracket Mounting Bolts	10 N·m	89 lb in
Windshield Defroster Duct Retaining Screws	10 N·m	89 lb in

## Instrument Panel Insulator Panel Replacement - Right Side

### Removal Procedure



1. Using a flat bladed tool, carefully pry the I/P courtesy lamp assembly from the right lower closeout panel.



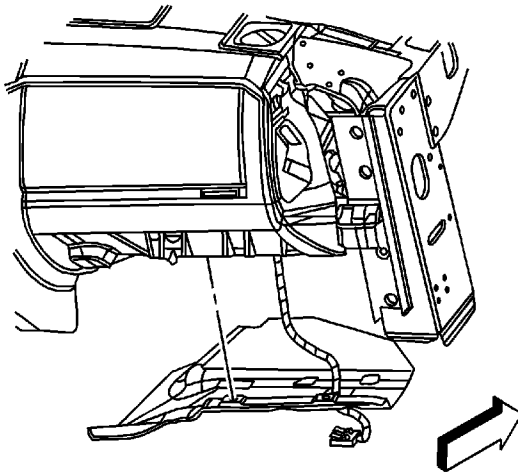
2. Remove the push-in retainers on the right lower closeout panel from the I/P lower support

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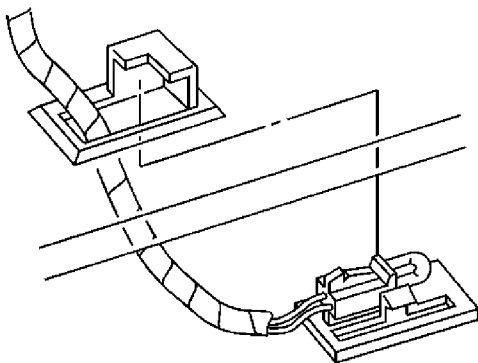
beam.

3. Lower the closeout panel slightly, and carefully maneuver the left side of the closeout panel from above the driveline tunnel.
4. Insert the I/P courtesy lamp assembly up through the opening in the closeout panel.
5. Continue to lower the closeout panel, then pull to remove the closeout panel from the dash.

## Installation Procedure



1. Install the right closeout panel under the dash.
2. Insert the I/P courtesy lamp down through the opening in the closeout panel.
3. Raise the closeout panel slightly, and carefully maneuver the left side of the closeout panel into position above the driveline tunnel.
4. Install the closeout panel push-in retainers to the I/P lower support beam.

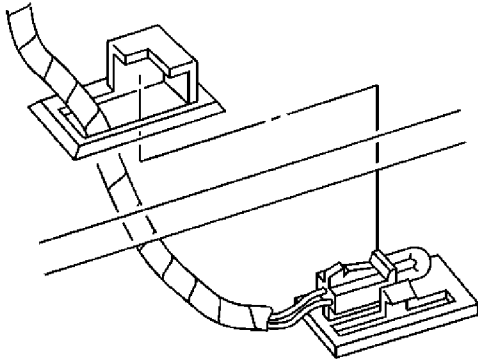




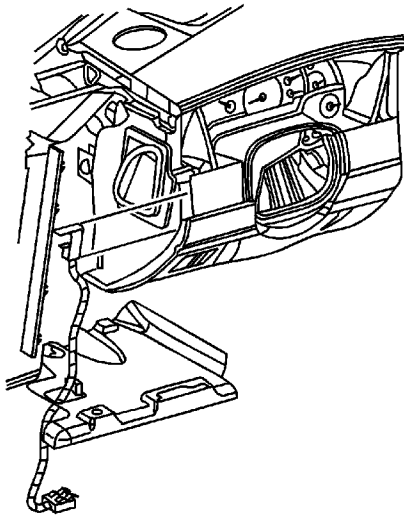
5. Align the I/P courtesy lamp to the closeout panel opening, then push to secure the lamp in place.

## Instrument Panel Insulator Panel Replacement - Left Side

### Removal Procedure



1. Using a flat bladed tool, carefully pry the I/P courtesy lamp assembly from the left lower closeout panel.



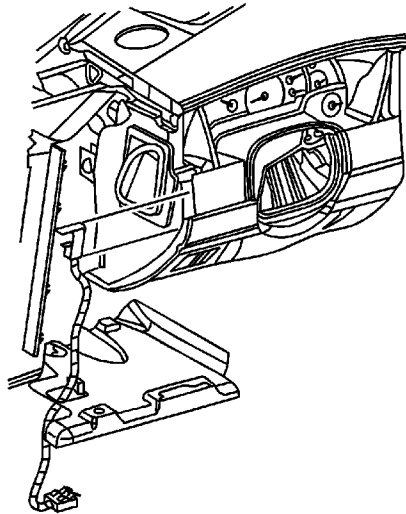
2. Remove the push-on retaining nut from the steering column bracket stud.

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3. Release the push-in retainers to the left lower closeout panel from the I/P lower support beam.
4. Insert the I/P courtesy lamp assembly up through the opening in the closeout panel.
5. Lower and remove the closeout panel.

Release the notch in the right forward edge of the closeout panel from the tab on the accelerator pedal bracket.

## Installation Procedure

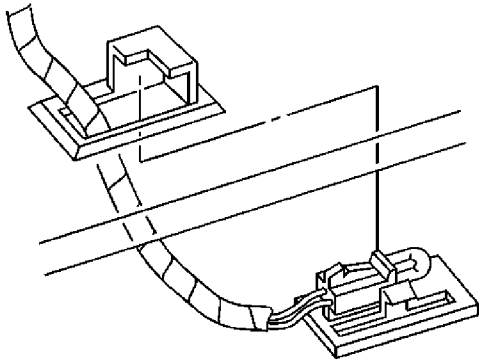


1. Insert the I/P courtesy lamp down through the opening in the closeout panel.
2. Install the closeout panel into position.
3. Secure the closeout panel push-in retainers to the I/P lower support beam.
4. Secure the notch in the right forward edge of the closeout panel to the tab on the accelerator pedal bracket.

Align, then push up to secure the panel.

5. Install the push-on retaining nut to the steering column bracket stud.



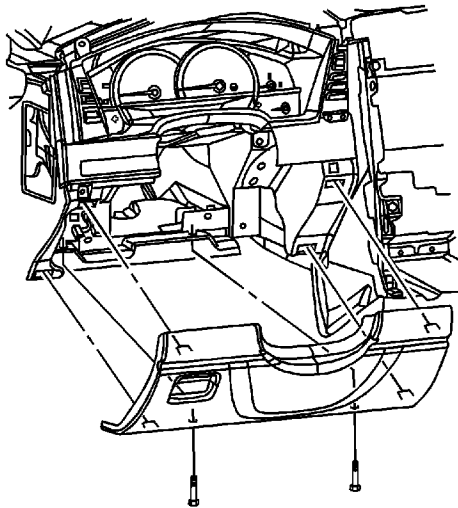


6. Align the I/P courtesy lamp to the closeout panel opening, then push to secure the lamp.

## Driver Knee Bolster Panel Replacement

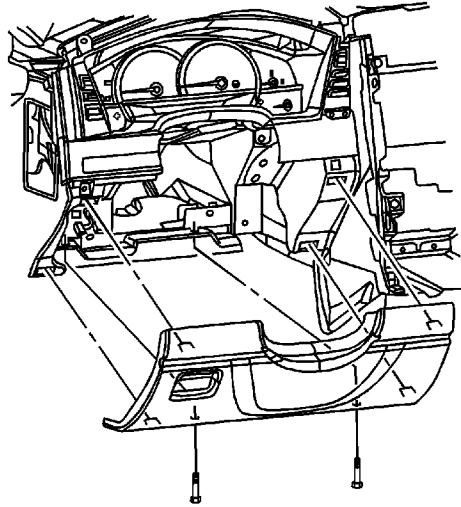
### Removal Procedure

1. Remove the fuel door and the rear compartment lid release switch.
  - 1.1. Pry carefully at the lower edge of the switch to release the locking tab.
  - 1.2. Disconnect the electrical connector from the switch.



2. Remove the lower retaining screws from the driver knee bolster trim panel.
3. Grasp the trim panel at the side edges.
4. Pull firmly rearward to release the locking tabs.
5. Remove the trim panel.

### Installation Procedure



1. Insert the electrical connector for the fuel door and the rear compartment lid release switch through the opening in the trim panel.
2. Install the driver knee bolster trim panel.

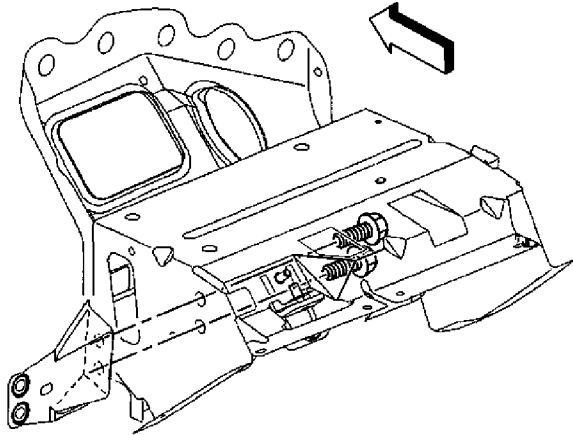
**Caution:** Refer to [Fastener Caution](#) in the Preface section.

3. Install the remaining driver knee bolster trim panel retaining screw and tighten to **1.8 N·m (16 lb in)**.
4. Install the fuel door and the rear compartment lid release switch.
  - 4.1. Connect the electrical connector to the switch.
  - 4.2. Align the switch, then push to secure the switch.

## Passenger Knee Bolster Bracket Replacement

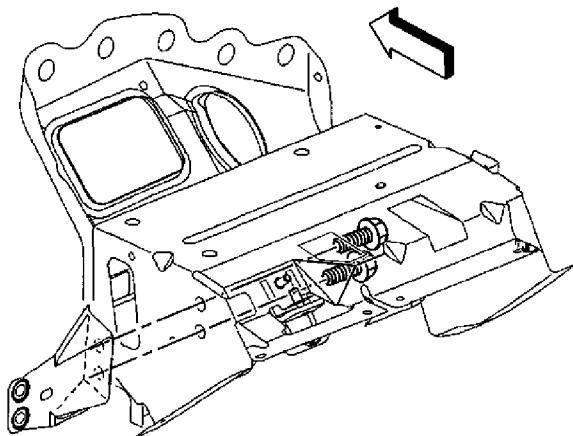
### Removal Procedure

1. Remove the I/P carrier. Refer to [Instrument Panel Carrier Replacement](#).



2. Remove the bolts retaining the passenger knee bolster bracket to the passenger SIR bracket.
3. Remove the passenger knee bolster bracket.

### Installation Procedure





1. Install the passenger knee bolster bracket.

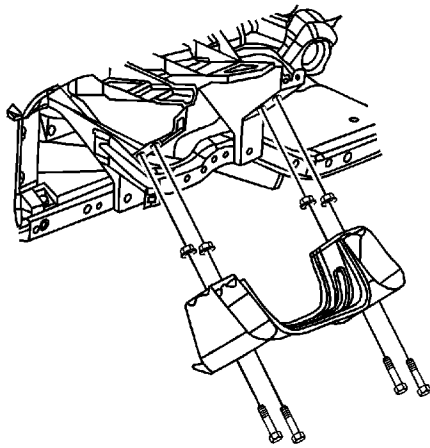
**Caution:** Refer to [Fastener Caution](#) in the Preface section.

2. Install the retaining bolts that secure the passenger knee bolster bracket to the passenger SIR bracket and tighten to **12 N·m (106 lb in)**.
3. Install the I/P carrier. Refer to [Instrument Panel Carrier Replacement](#).

## Driver Knee Bolster Bracket Replacement

### Removal Procedure

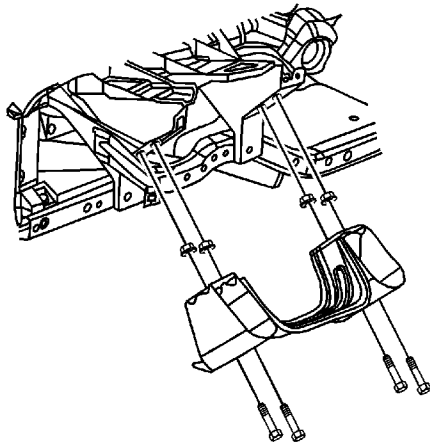
1. Remove the driver knee bolster trim panel. Refer to [Driver Knee Bolster Panel Replacement](#).



**Note:** The following step must be performed to assure proper trim fits during installation.

2. Mark the location of the driver knee bolster bracket.
3. Remove the screws retaining the driver knee bolster bracket to the steering column bracket.
4. Remove the driver knee bolster bracket.

### Installation Procedure



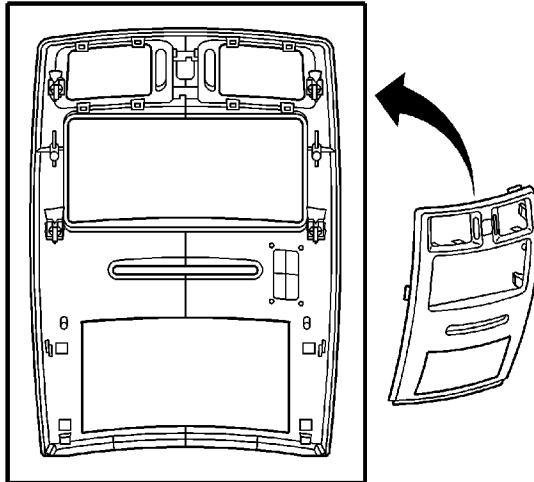
1. Install the driver knee bolster bracket into position as marked prior to removal.

**Caution:** Refer to [Fastener Caution](#) in the Preface section.

2. Install the screws which retain the driver knee bolster bracket to the steering column bracket and tighten to **1.9 N·m (17 lb in)**.
3. Install the driver knee bolster trim panel. Refer to [Driver Knee Bolster Panel Replacement](#).

## Instrument Panel Accessory Trim Plate Replacement

### Removal Procedure



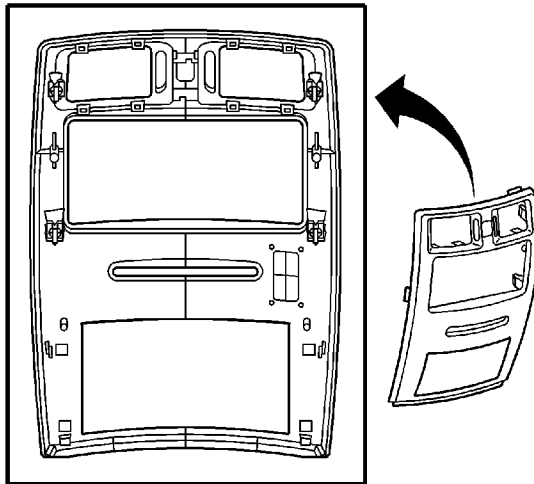
1. Remove the console trim plate. Refer to [Console Trim Plate Replacement](#) .
2. Grasp the I/P accessory trim plate at the top edge and pull rearward to disengage the retaining clips.

**Important:** Do NOT damage the metal accent trim on the trim plate.

3. Disconnect the electrical connector at the hazard flasher switch.
4. Remove the hazard flasher switch from the trim plate.

### Installation Procedure



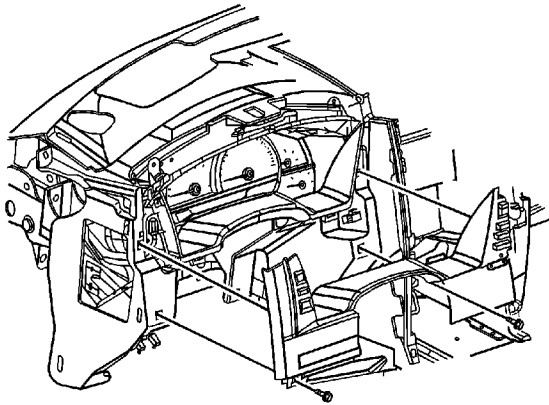


1. Install the hazard flasher switch to the trim plate.
2. Connect the electrical connector to the hazard flasher switch.
3. Install the I/P accessory trim plate securing the plate into the retaining clips.
4. Install the console trim plate. Refer to [Console Trim Plate Replacement](#) .

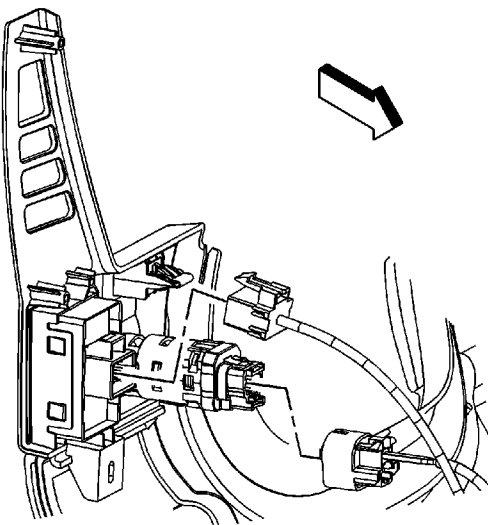
## Instrument Panel Trim Panel Replacement - Left Side

### Removal Procedure

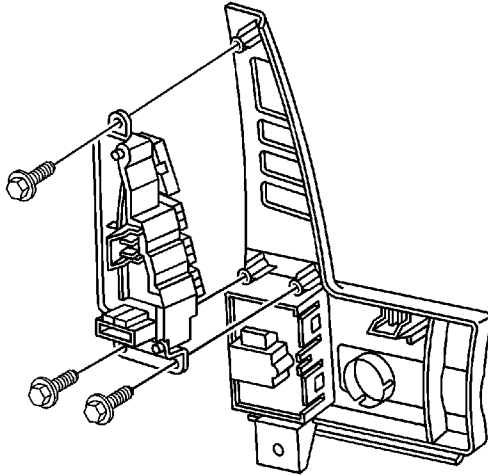
1. Remove the knee bolster trim panel. Refer to [Driver Knee Bolster Panel Replacement](#).



2. Remove the retaining screw at the bottom of the trim panel.
3. Pull the left trim panel outward to disengage the retaining clips from the I/P carrier.

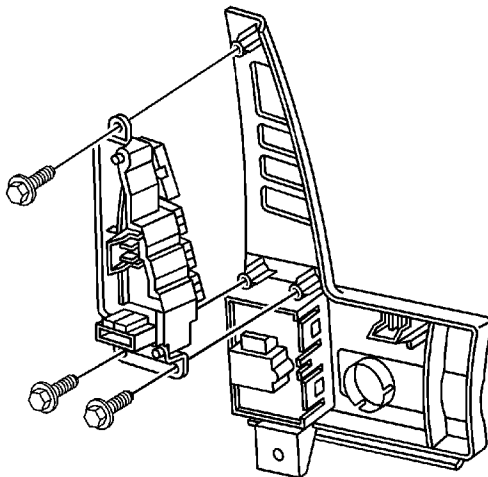


4. Disconnect the electrical connectors.



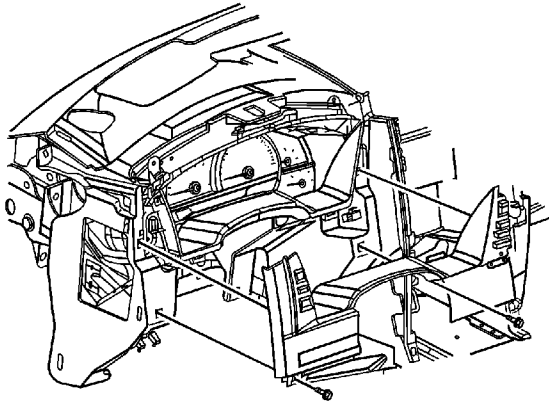
5. Remove the electrical switches.

## Installation Procedure



1. Install the electrical switches to the I/P trim panel.
2. Connect the electrical connections to the I/P trim panel.
3. Push on the left trim panel to engage the retaining clips to the I/P carrier.

**Caution:** Refer to Fastener Caution in the Preface section.

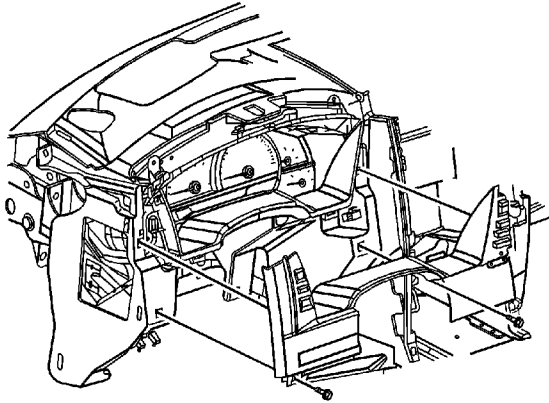


4. Install the retaining screw at the bottom of the trim panel and tighten to **1.9 N·m (17 lb in)**.
5. Install the knee bolster trim panel. Refer to [Driver Knee Bolster Panel Replacement](#).

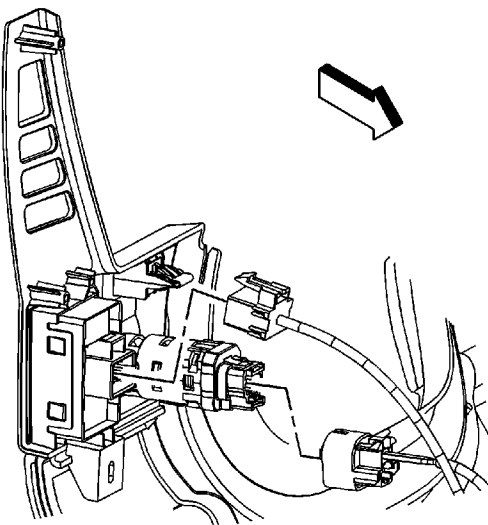
## Instrument Panel Trim Panel Replacement - Right Side

### Removal Procedure

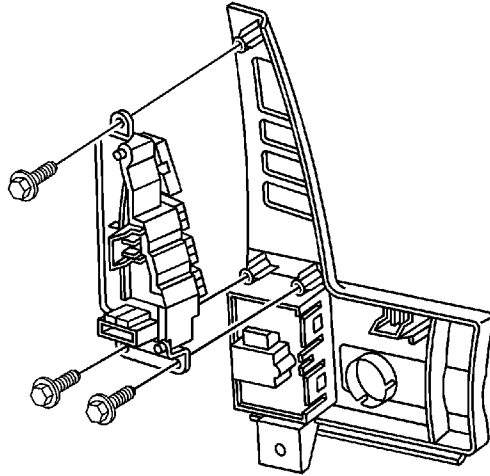
1. Remove the knee bolster trim panel. Refer to [Driver Knee Bolster Panel Replacement](#).



2. Remove the retaining screw at the bottom of the trim panel.
3. Pull the right trim panel outward to disengage the retaining clips from the I/P carrier.

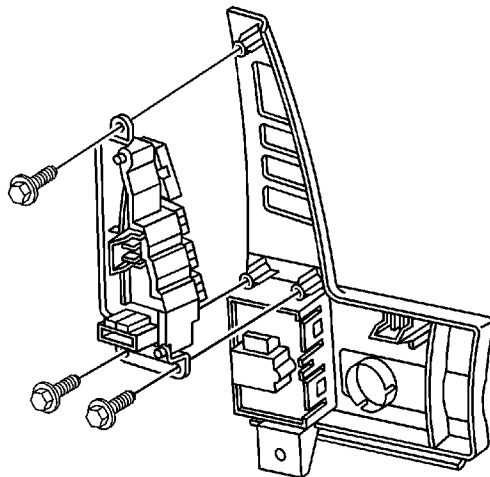


4. Disconnect the electrical connectors.



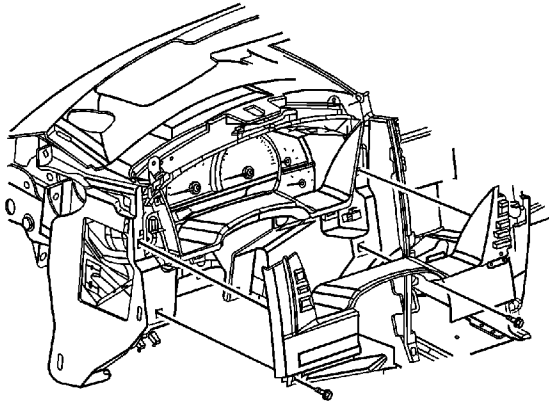
5. Remove the electrical switches.

## Installation Procedure



1. Install the electrical switches to the I/P trim panel.
2. Connect the electrical connections to the I/P trim panel.
3. Push on the right trim panel to engage the retaining clips to the I/P carrier.

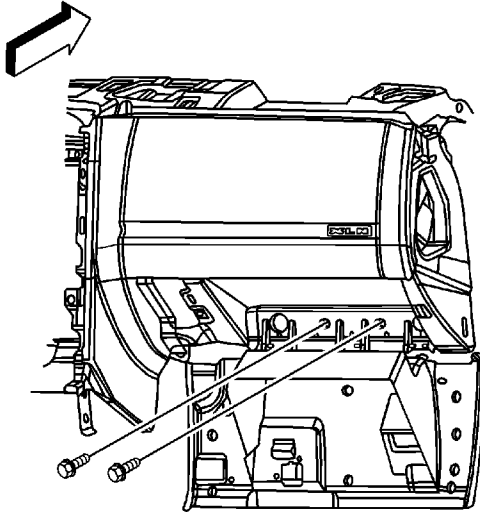
**Caution:** Refer to Fastener Caution in the Preface section.



4. Install the retaining screw at the bottom of the trim panel and tighten to **1.9 N·m (17 lb in)**.
5. Install the knee bolster trim panel. Refer to [Driver Knee Bolster Panel Replacement](#).

## Instrument Panel Compartment Replacement

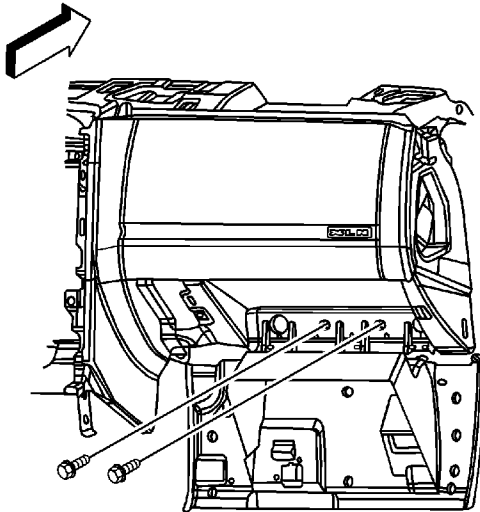
### Removal Procedure



1. Open the door on the instrument panel (I/P) passenger compartment.
2. Disconnect the door dampener.
3. Disconnect the electrical connector from the I/P compartment lamp switch.
4. With the compartment open, depress both rear corners of the compartment and swing the compartment down towards the floor.
5. Starting at the outboard side, release the compartment hinge from the pin at the bottom of the door.
6. Slowly pull the I/P compartment far enough to disconnect the wiring harness connector from the inflatable restraint module switch.
7. Remove the I/P compartment.

### Installation Procedure

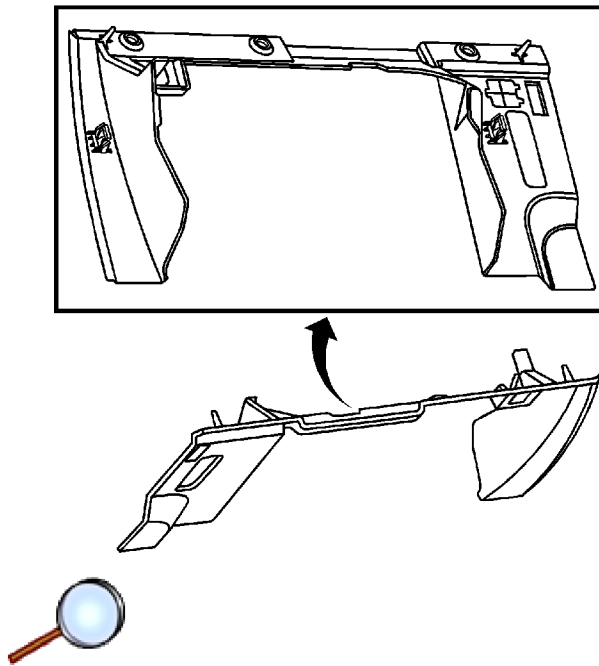




1. Connect the wiring harness connector to the inflatable restraint module switch connector.
2. Align the I/P compartment to the lower I/P carrier pins.
3. Starting at the inboard side, push on the compartment to engage the pin to the I/P compartment hinge.
4. Depress the I/P compartment back corners and swing the compartment upward into the I/P. Release the corners.
5. Connect the electrical connector to the I/P compartment lamp switch.
6. Close the I/P passenger compartment door.

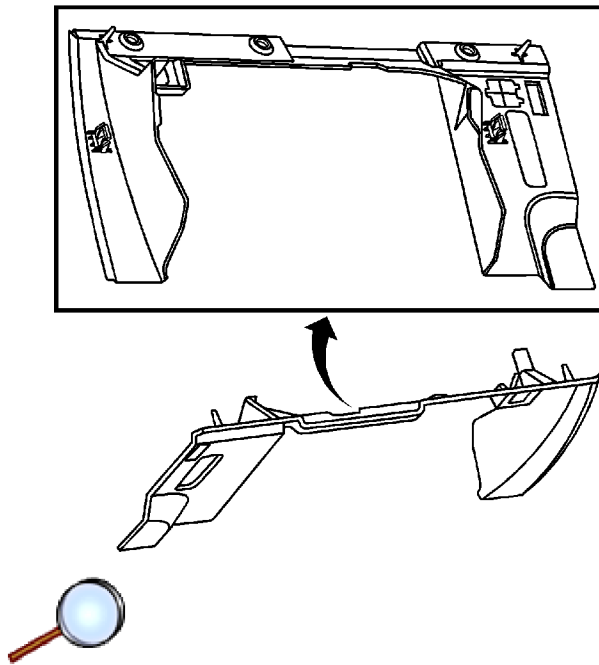
# Instrument Panel Compartment Trim Bezel Replacement

## Removal Procedure



1. Remove the striker from the I/P compartment. Refer to [Instrument Panel Compartment Door Lock Striker Replacement](#).
2. Remove the retaining screws which attach the trim bezel to the I/P compartment.
3. Pull the trim bezel outward to access the electrical connectors.
4. Remove the valet lockout switch from the trim bezel.
5. Remove the bezel from the I/P compartment.

## Installation Procedure



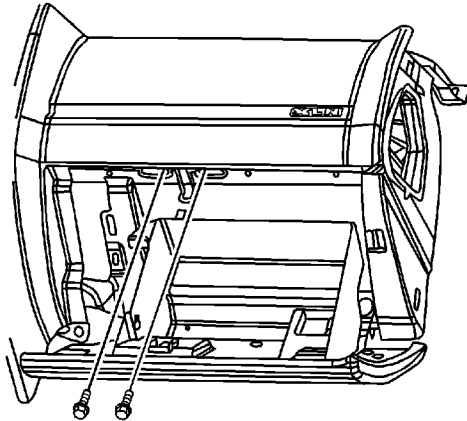
1. Align the trim bezel to the I/P compartment.
2. Install the valet lockout switch to the bezel.

**Caution:** Refer to [Fastener Caution](#) in the Preface section.

3. Install the retaining screws to the trim bezel and tighten to **1.9 N·m (17 lb in)**.
4. Install the striker to the I/P compartment. Refer to [Instrument Panel Compartment Door Lock Striker Replacement](#).

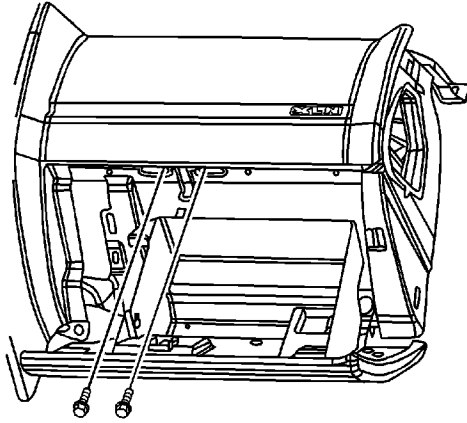
# Instrument Panel Compartment Door Lock Striker Replacement

## Removal Procedure



1. Open the instrument panel (I/P) compartment door.
2. Remove the retaining screws from the striker on the underside of the I/P carrier.
3. Remove the striker from the I/P.

## Installation Procedure



1. Align the striker to the I/P, placing the striker ends at the holes in the underside of the I/P carrier.

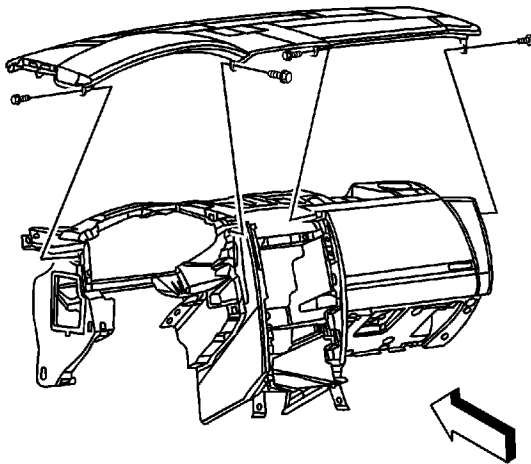
**Caution:** Refer to [Fastener Caution](#) in the Preface section.

2. Install the striker retaining screws and tighten to **1.9 N·m (17 lb in)**.
3. Close the I/P compartment door and verify the operation of the latch to the striker.

## Instrument Panel Trim Pad Replacement

### Removal Procedure

1. Disable the SIR system. Refer to [SIR Disabling and Enabling](#).
2. Remove the console trim plate. Refer to [Console Trim Plate Replacement](#).
3. Remove the instrument panel (I/P) accessory trim plate. Refer to [Instrument Panel Accessory Trim Plate Replacement](#).
4. Remove the driver side knee bolster. Refer to [Driver Knee Bolster Panel Replacement](#).
5. Remove the driver information center (DIC). Refer to [Driver Information Display Switch Replacement](#).
6. Remove the dimmer/head-up display switch. Refer to [Head Up Display Switch Replacement](#).
7. Remove the windshield side garnish moldings. Refer to [Windshield Side Garnish Molding Replacement](#).

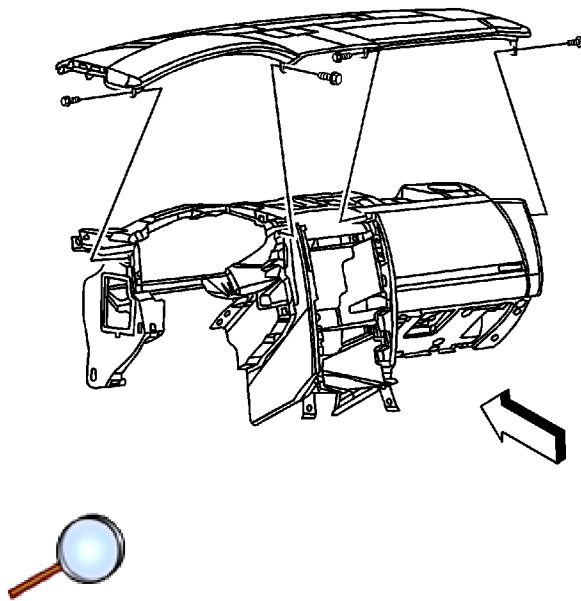


8. Remove the I/P side trim panels.
9. Remove the 4 retaining screws from the I/P trim pad. These screws are located at each end of the I/P, in the center of the I/P, and behind the DIC switch.

**Note:** The trim pad is still attached to the sunload/twilight sensor. Do NOT remove the pad completely at this time.

10. Pull up carefully on the I/P trim pad to disengage the retaining clips.
11. Disconnect the sunload/twilight sensor from the trim pad.
12. Remove the trim pad from the vehicle.

### Installation Procedure



1. Align the I/P trim pad to the vehicle.
2. Connect the sunload/twilight sensor to the trim pad.
3. Align the trim pad retaining clips to the I/P panel carrier and push down to engage all of the clips.

**Caution:** Refer to [Fastener Caution](#) in the Preface section.

4. Install the trim pad retaining screws and tighten to **10 N·m (89 lb in)**.
5. Install the I/P side trim panels.
6. Install the windshield side garnish moldings. Refer to [Windshield Side Garnish Molding Replacement](#).
7. Install the dimmer/head-up display switch. Refer to [Head Up Display Switch Replacement](#).
8. Install the driver information center (DIC). Refer to [Driver Information Display Switch Replacement](#).
9. Install the driver side knee bolster. Refer to [Driver Knee Bolster Panel Replacement](#).
10. Install the I/P accessory trim plate. Refer to [Instrument Panel Accessory Trim Plate Replacement](#).
11. Install the console trim plate. Refer to [Console Trim Plate Replacement](#).
12. Enable the SIR system. Refer to [SIR Disabling and Enabling](#).

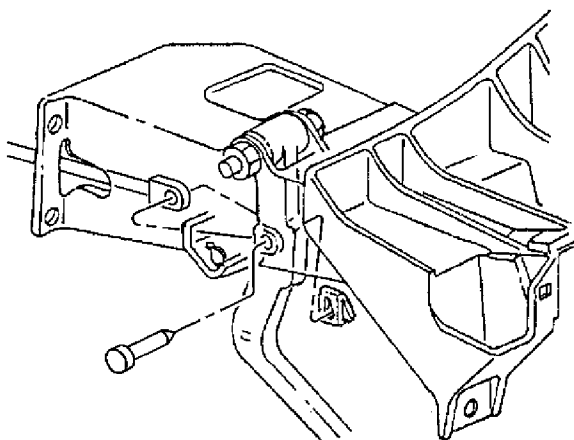
# Steering Column Bracket Replacement

## Removal Procedure

1. Disable the SIR system. Refer to [SIR Disabling and Enabling](#).

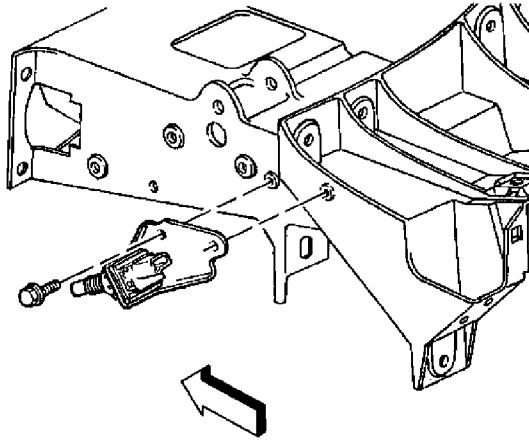
**Warning:** Refer to [Battery Disconnect Warning](#) in the Preface section.

2. Disconnect the negative battery cable.
3. Remove the console. Refer to [Console Replacement](#).
4. Remove the instrument panel (I/P) carrier. Refer to [Instrument Panel Carrier Replacement](#).
5. Tilt the steering wheel to the lowest position.
6. Remove the upper and lower nuts retaining the steering column to the steering column bracket. Carefully rest the steering column on the I/P lower support beam. Refer to [Steering Column Replacement](#).
7. Remove the left windshield side garnish molding. Refer to [Windshield Side Garnish Molding Replacement](#).

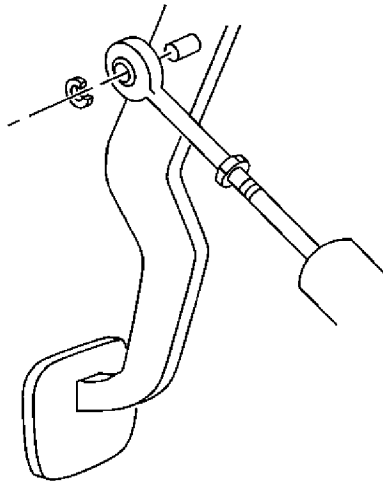


8. Remove the accelerator pedal assembly with the accelerator pedal position sensor. Refer to [Accelerator Pedal Position Sensor Replacement](#).
9. Disconnect the brake master cylinder push rod from the brake pedal.
10. Remove the brake booster mounting nuts.

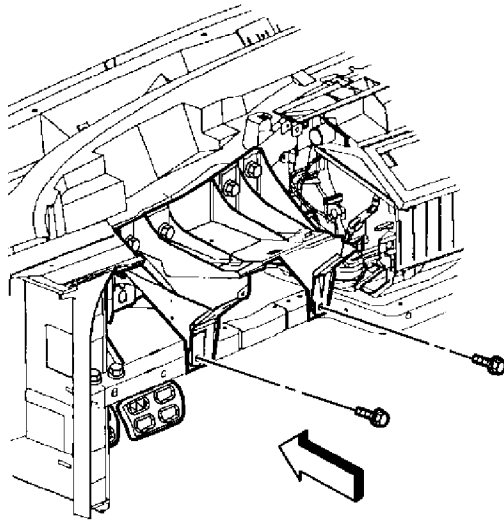




11. Remove the mounting bolts from the cruise control release switch bracket.
12. Reposition the cruise control release switch and the bracket.

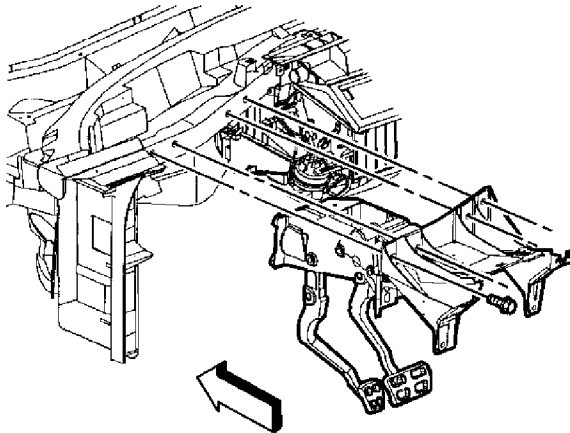


13. Disconnect the master cylinder push rod from the clutch pedal.



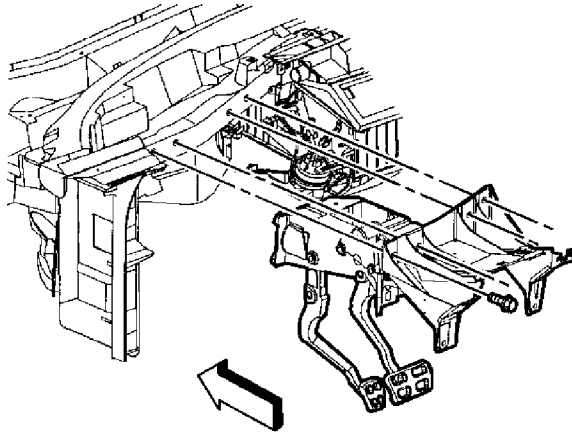
**Note:** The following step assures proper trim fit during installation.

14. Mark the location of the steering column bracket.
15. Remove the bolts which secure the steering column bracket to the I/P lower support beam.



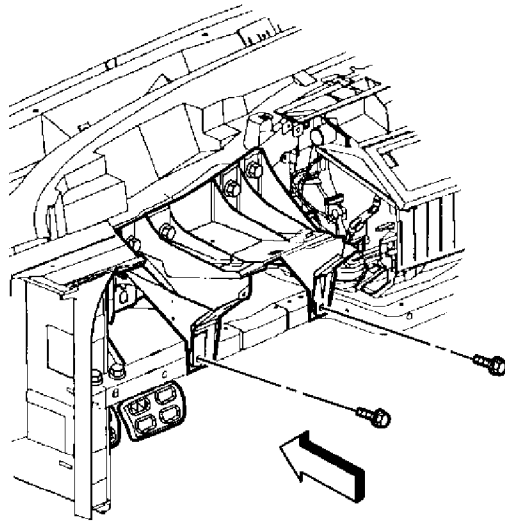
16. Remove the bolts which secure the steering column bracket to the I/P upper support beam.
17. Remove the steering column bracket.

## Installation Procedure

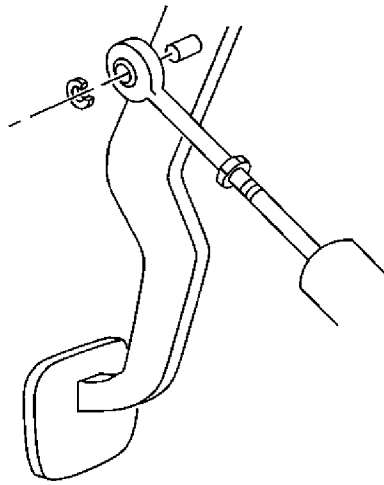


1. Install the steering column bracket into position as marked prior to removal.
2. Install the bolts which secure the steering column bracket to the I/P upper support beam. Do NOT tighten the bolts.

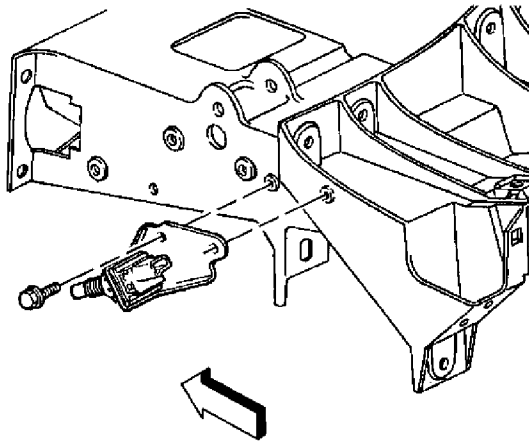
**Caution:** Refer to [Fastener Caution](#) in the Preface section.



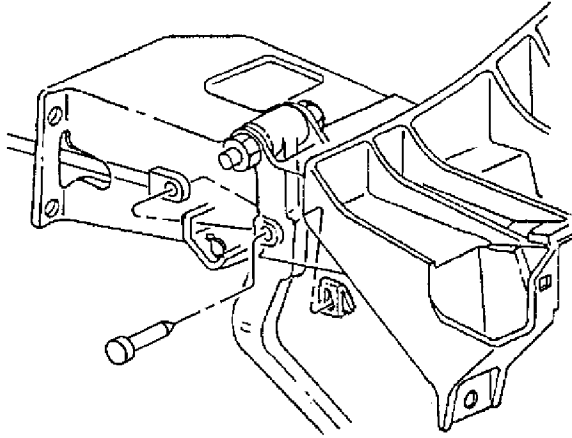
3. Install the bolts which secure the steering column bracket to the I/P lower support beam and tighten to **10 N·m (89 lb in)**.



4. Connect the master cylinder push rod to the clutch pedal.



5. Position the cruise control release switch and bracket to the steering column bracket.
6. Install the bracket bolts to the cruise control release switch and tighten to **12 N·m (106 lb in)**



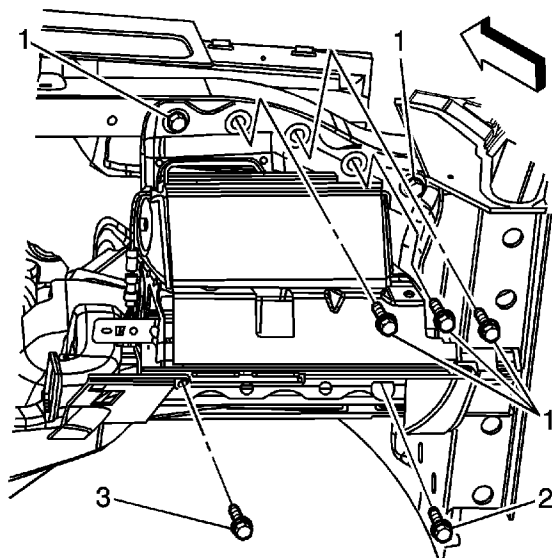
7. Install the brake booster nuts and tighten to **29 N·m (21 lb ft)**.
8. Connect the master cylinder push rod to the brake pedal.
9. Install the accelerator pedal assembly with accelerator pedal position sensor. Refer to [Accelerator Pedal Position Sensor Replacement](#).
10. Install the left windshield side garnish molding. Refer to [Windshield Side Garnish Molding Replacement](#).
11. Install the steering column to the steering column bracket. Refer to [Steering Column Replacement](#).
12. Install the console. Refer to [Console Replacement](#).
13. Install the I/P carrier. Refer to [Instrument Panel Carrier Replacement](#).
14. Connect the negative battery cable and install the cable bolt and tighten to **15 N·m (11 lb ft)**.
15. Enable the SIR system. Refer to [SIR Disabling and Enabling](#).

# Instrument Panel Inflatable Restraint Module Bracket Replacement

## Removal Procedure

**Warning:** Refer to [SIR Inflator Module Handling and Storage Warning](#) in the Preface section.

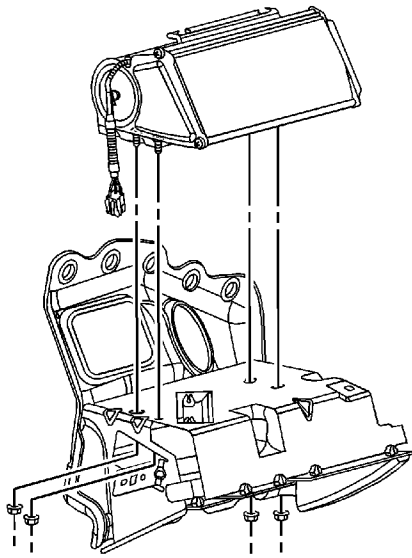
1. Disable the SIR system. Refer to [SIR Disabling and Enabling](#).
2. Remove the console. Refer to [Console Replacement](#).
3. Remove the I/P carrier. Refer to [Instrument Panel Carrier Replacement](#).
4. Remove the outlet duct from the right side window defogger.



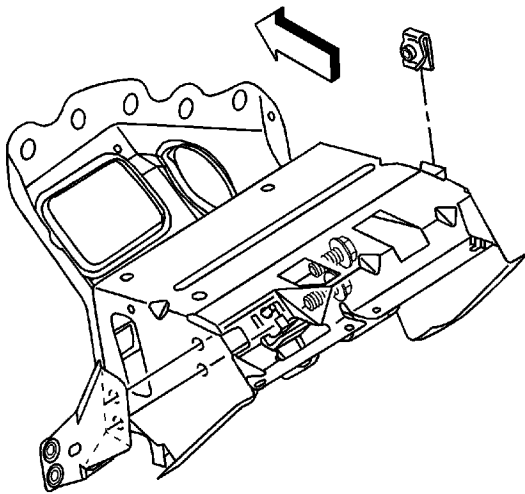
5. Release the I/P harness retainer from the passenger SIR bracket.
6. Remove the connector position assurance (CPA) from the SIR module electrical connector.
7. Release the electrical connector retainer from the SIR bracket.
8. Disconnect the SIR module electrical connector.

**Note:** The following steps are important to assure proper trim fit during installation.

9. Mark the location of the knee bolster bracket.
10. Remove the bolts (3) retaining the knee bolster bracket to the center support bracket.
11. Mark the location of the SIR bracket.
12. Remove the bolts (2) mounting the SIR bracket to the I/P lower support beam.
13. Remove the bolts (1) mounting the SIR bracket to the I/P upper support beam.
14. Remove the SIR bracket.

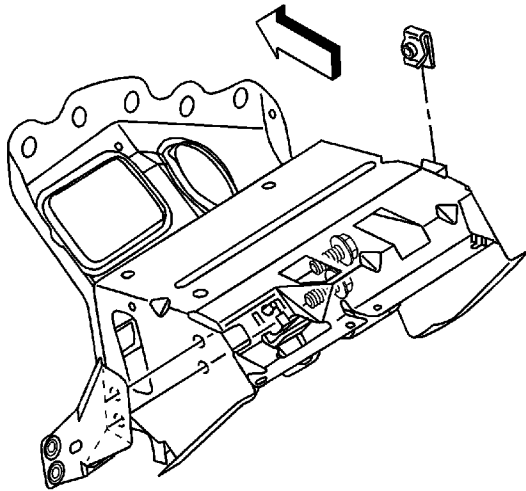


15. Mark the location of the SIR module in the SIR bracket.
16. Remove the SIR module retaining nuts.
17. Remove the SIR module from the SIR bracket.



18. Remove the mounting bolts from the knee bolster bracket.
19. Remove the knee bolster bracket.

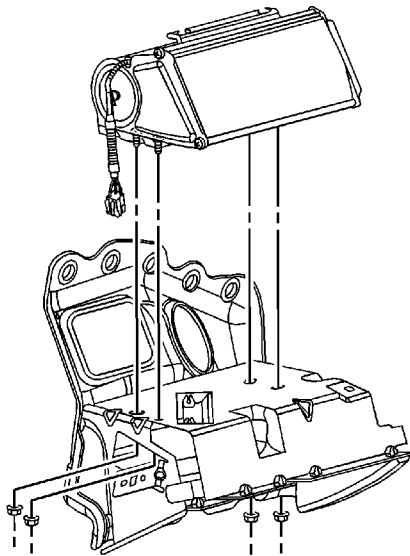
## Installation Procedure



1. Install the knee bolster bracket into position as marked prior to removal.

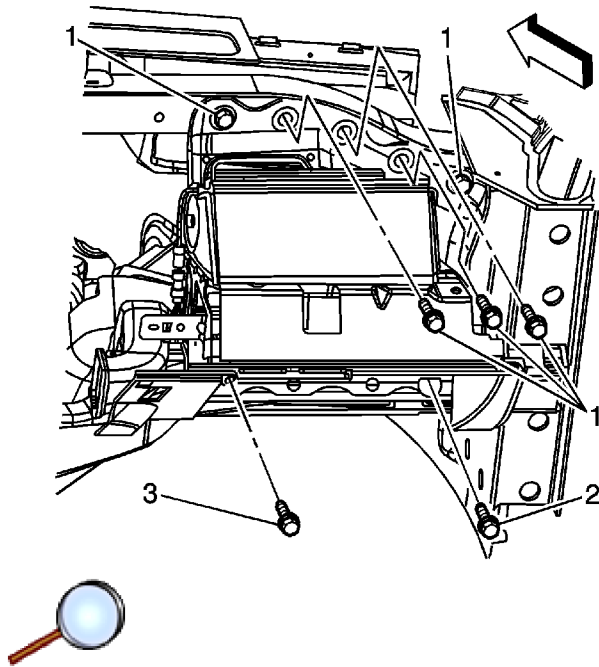
**Caution:** Refer to [Fastener Caution](#) in the Preface section.

2. Install the retaining bolts which secure the knee bolster bracket to the SIR bracket and tighten to **12 N·m (106 lb in)**.



3. Install the SIR module to the SIR bracket as marked prior to removal.
4. Install the SIR module retaining nuts and tighten to **10 N·m (89 lb in)**.





5. Install the SIR bracket into position as marked prior to removal.
6. Install the bolts (1, 2) which secure the SIR bracket to the I/P upper and lower support beams and tighten to **12 N·m (106 lb in)**.
7. Position the knee bolster bracket to the center support bracket as marked prior to removal.
8. Install the bolts (3) which secure the knee bolster bracket to the center support bracket and tighten to **12 N·m (106 lb in)**.
9. Connect the SIR module electrical connector.
10. Secure the electrical connector retainer to the SIR bracket.
11. Install the CPA to the SIR module electrical connector.
12. Secure the I/P harness retainer to the SIR bracket.
13. Install the outlet duct to the right side window defogger.
14. Install the I/P carrier. Refer to [Instrument Panel Carrier Replacement](#).
15. Install the console. Refer to [Console Replacement](#).
16. Enable the SIR system. Refer to [SIR Disabling and Enabling](#).

# Instrument Panel Carrier Replacement

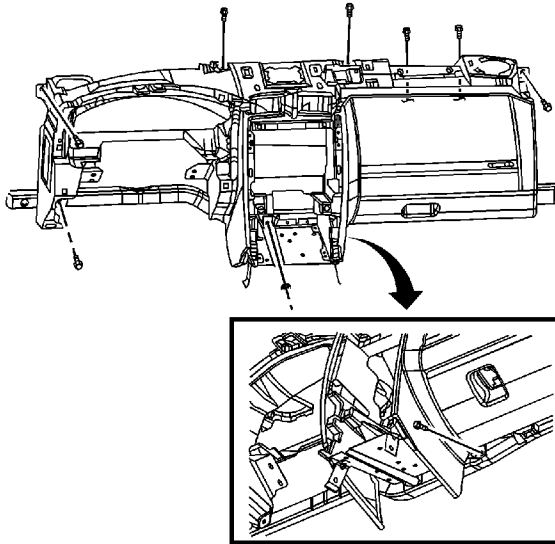
## Removal Procedure

**Warning:** Refer to [SIR Warning](#) in the Preface section.

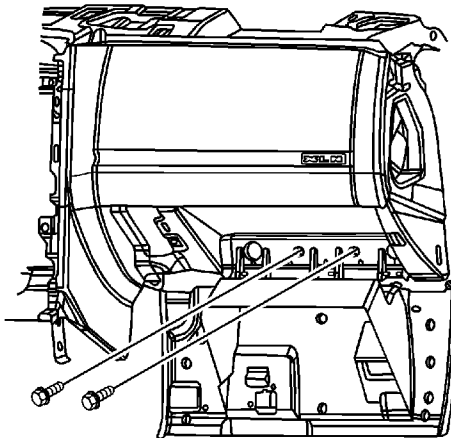
1. Disable the SIR system. Refer to [SIR Disabling and Enabling](#).

**Warning:** Refer to [Battery Disconnect Warning](#) in the Preface section.

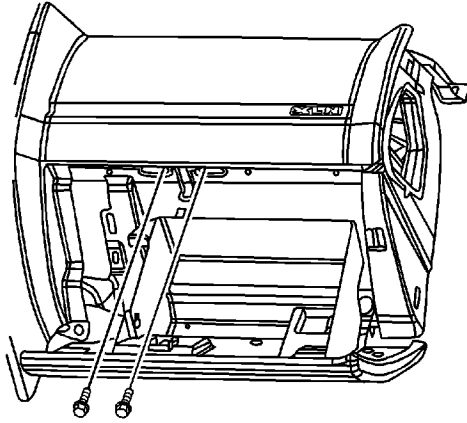
2. Disconnect the battery ground cable. Refer to [Battery Negative Cable Disconnection and Connection](#).
3. Remove the console assembly. Refer to [Console Replacement](#).
4. Remove the radio. Refer to [Radio Replacement](#).
5. Remove the closeout/insulator panels. Refer to [Instrument Panel Insulator Panel Replacement - Right Side](#) and to [Instrument Panel Insulator Panel Replacement - Left Side](#).
6. Remove the instrument panel (I/P) compartment. Refer to [Instrument Panel Compartment Replacement](#).
7. Remove the I/P compartment trim bezel. Refer to [Instrument Panel Compartment Trim Bezel Replacement](#).
8. Remove the knee bolster trim panel. Refer to [Driver Knee Bolster Panel Replacement](#).
9. Remove the left knee bolster bracket. Refer to [Driver Knee Bolster Bracket Replacement](#).
10. Remove the right and the left I/P trim panels. Refer to [Instrument Panel Trim Panel Replacement - Left Side](#) and to [Instrument Panel Trim Panel Replacement - Right Side](#).
11. Remove the right and the left hinge pillar trim. Refer to [Body Hinge Pillar Trim Panel Replacement](#).
12. Remove the windshield side garnish moldings. Refer to [Windshield Side Garnish Molding Replacement](#).
13. Remove the right and the left I/P end caps. Pull outward to disengage the caps from the I/P.
14. Remove the I/P trim pad. Refer to [Instrument Panel Trim Pad Replacement](#).
15. Remove the I/P cluster (IPC). Refer to [Instrument Cluster Replacement](#).
16. Remove the speakers from the I/P. Refer to [Radio Front Speaker Replacement](#).
17. Remove the sensing and diagnostic module (SDM) and the YAW sensors from the I/P carrier.
18. Remove the global positioning system (GPS) antenna from the I/P carrier. Refer to [Electronic Navigation Antenna Replacement](#).
19. Remove the remote control door lock receiver. Refer to [Remote Control Door Lock Receiver Replacement](#).
20. Remove the steering wheel from the steering column. Refer to [Steering Wheel Replacement](#).



21. Remove the retaining bolts and nuts from the I/P carrier.



22. Remove the retaining bolts from the lower beam behind the I/P compartment door.

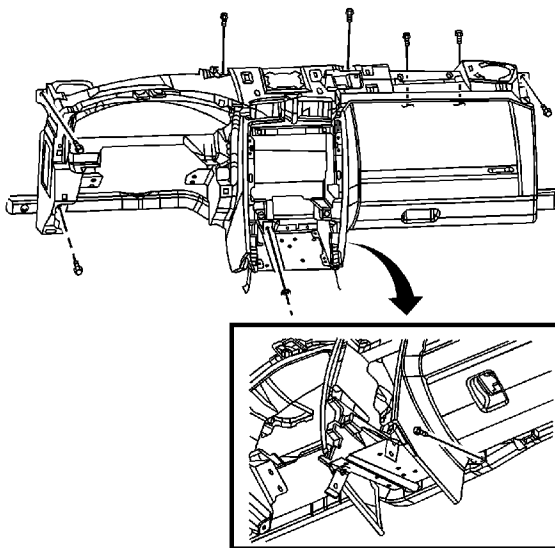


23. Remove the I/P compartment striker from the I/P carrier.
24. Remove the I/P carrier from the mounting and slowly route all of the wiring from the I/P carrier.
25. Remove the I/P carrier from the vehicle.

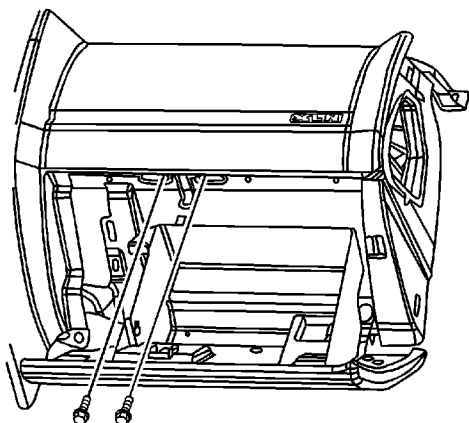
## Installation Procedure

1. Position the I/P carrier to the lower and the upper I/P beams.
2. Route the I/P wiring harness.

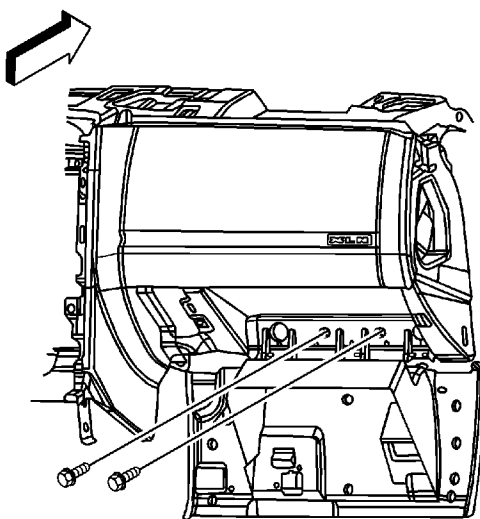
**Caution:** Refer to [Fastener Caution](#) in the Preface section.



3. Install the retaining bolts and nuts to the I/P carrier and tighten to **10 N·m (89 lb in)**.



4. Install the I/P compartment striker and tighten to **1.9 N·m (17 lb in)**.



5. Install the I/P retaining bolt at the lower beam behind the I/P compartment door and tighten to **10 N·m (89 lb in)**.
6. Install the steering wheel to the steering column. Refer to [Steering Wheel Replacement](#).
7. Install the remote control door lock receiver. Refer to [Remote Control Door Lock Receiver Replacement](#).
8. Install the GPS antenna to the I/P carrier. Refer to [Electronic Navigation Antenna Replacement](#).
9. Install the SDM and the YAW sensors to the I/P carrier.
10. Install the speakers to the I/P. Refer to [Radio Front Speaker Replacement](#).
11. Install the I/P cluster (IPC). Refer to [Instrument Cluster Replacement](#).
12. Install the I/P trim pad. Refer to [Instrument Panel Trim Pad Replacement](#).
13. Install the right and the left I/P end caps.

14. Install the windshield side garnish moldings. Refer to [Windshield Side Garnish Molding Replacement](#).
15. Install the right and the left hinge pillar trim. Refer to [Body Hinge Pillar Trim Panel Replacement](#).
16. Install the right and the left I/P trim panels. Refer to [Instrument Panel Trim Panel Replacement - Left Side](#) and to [Instrument Panel Trim Panel Replacement - Right Side](#).
17. Install the left knee bolster bracket. Refer to [Driver Knee Bolster Bracket Replacement](#).
18. Install the I/P compartment trim bezel. Refer to [Instrument Panel Compartment Trim Bezel Replacement](#).
19. Install the I/P compartment. Refer to [Instrument Panel Compartment Replacement](#).
20. Install the closeout/insulator panels. Refer to [Instrument Panel Insulator Panel Replacement - Right Side](#) and to [Instrument Panel Insulator Panel Replacement - Left Side](#).
21. Install the radio. Refer to [Radio Replacement](#).
22. Install the console assembly. Refer to [Console Replacement](#).

**Warning:** Refer to [Battery Disconnect Warning](#) in the Preface section.

23. Connect the battery ground cable. Refer to [Battery Negative Cable Disconnection and Connection](#).

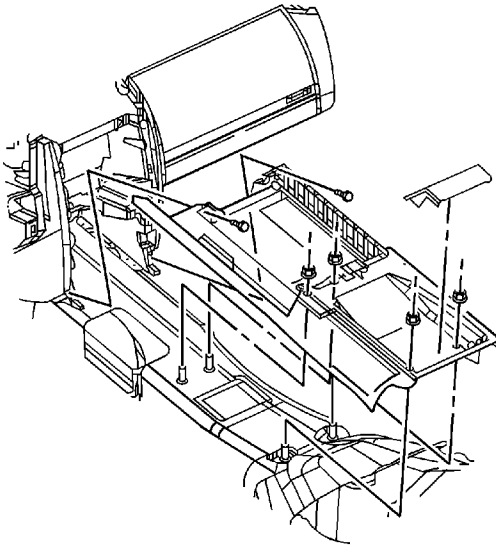
**Warning:** Refer to [SIR Warning](#) in the Preface section.

24. Enable the SIR system. Refer to [SIR Disabling and Enabling](#).

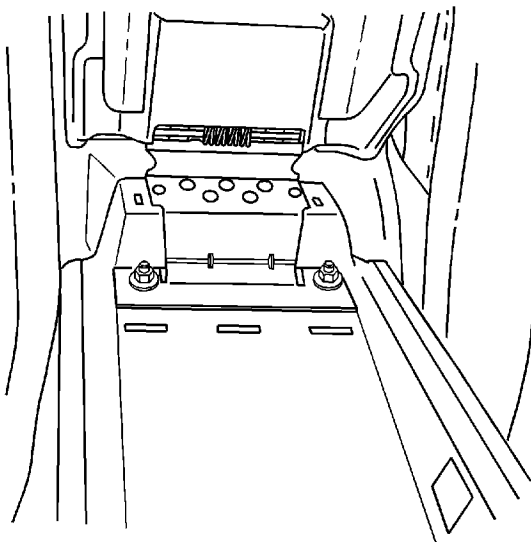
## Console Compartment Door Replacement

### Removal Procedure

1. Open the console door.

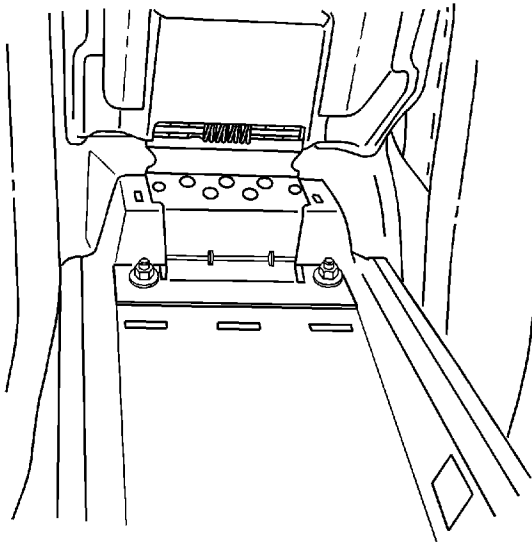


2. Remove the console bin hinge cover. Pull at the rear of the cover to disengage the retainer.
3. Remove the screws retaining the console door to the door hinge.



4. Remove the console retaining nuts at the hinge.
5. Remove the door and the hinge from the console.

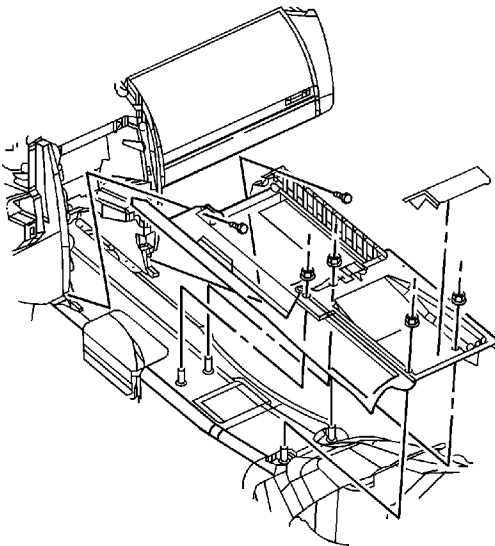
## Installation Procedure



1. Position the console door and the hinge to the console.

**Caution:** Refer to [Fastener Caution](#) in the Preface section.

2. Install the nuts retaining the door hinge to the console and tighten to **10 N·m (89 lb in)**.



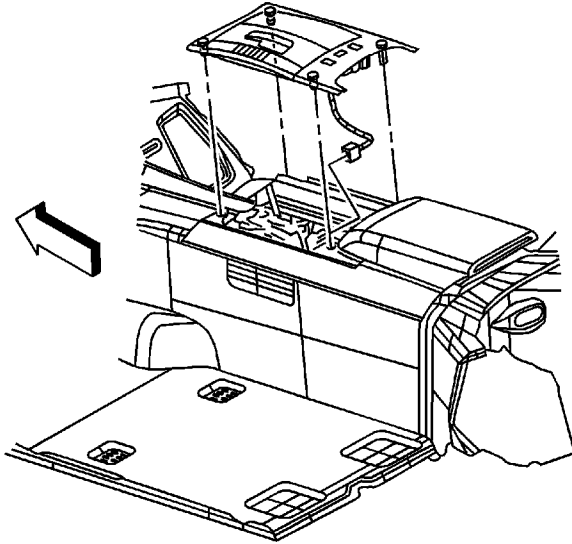
3. Install the screws retaining the door and the hinge to the console and tighten to **1.9 N·m (17 lb in)**.
4. Install the console hinge cover to the console bin.
5. Close the console door. Verify for proper fit and latch operation.



## Console Trim Plate Replacement

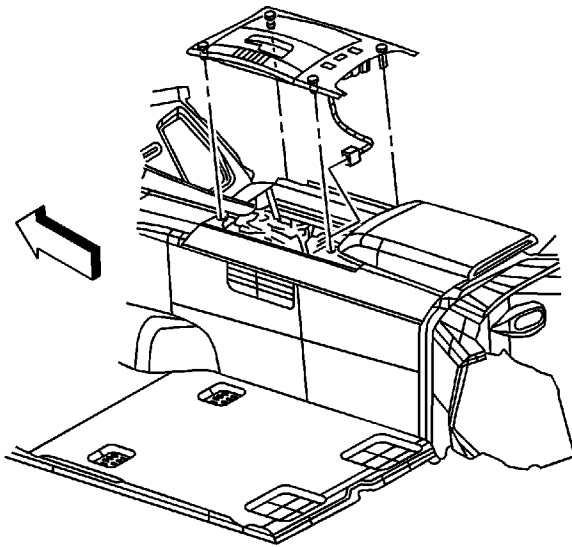
### Removal Procedure

1. Remove the shifter knob. Refer to [Transmission Control Lever Knob Replacement](#).
2. Open the ashtray door.



3. Pry the rear of the shifter trim plate up with a blunt tool to release the trim from the console.
4. Pull upward on the trim plate.
5. Disconnect the electrical connector to the trim plate.
6. Remove the trim plate.

### Installation Procedure



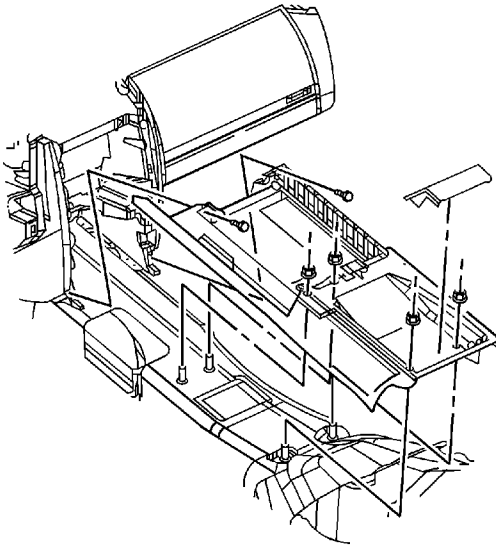
1. Connect the electrical connector to the trim plate.
2. Install the trim plate to the console.
3. Push down on the rear of the trim plate to lock it onto the console.
4. Close the ashtray door.
5. Install the shifter knob. Refer to [Transmission Control Lever Knob Replacement](#).

## Console Replacement

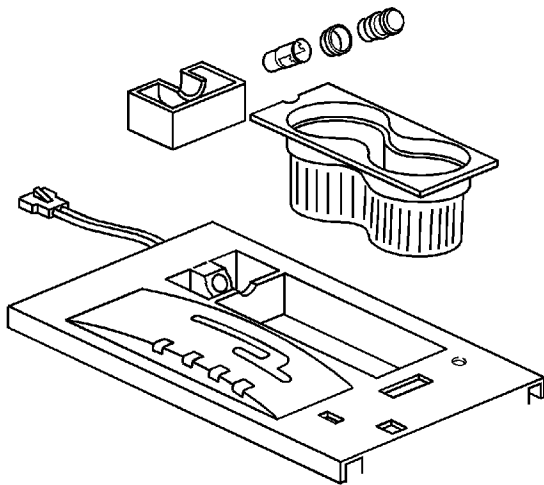
### Removal Procedure

**Warning:** Refer to [Battery Disconnect Warning](#) in the Preface section.

1. Disconnect the battery ground cable. Refer to [Battery Negative Cable Disconnection and Connection](#).
2. Remove the shifter knob. Refer to [Transmission Control Lever Knob Replacement](#).
3. Open the console door.

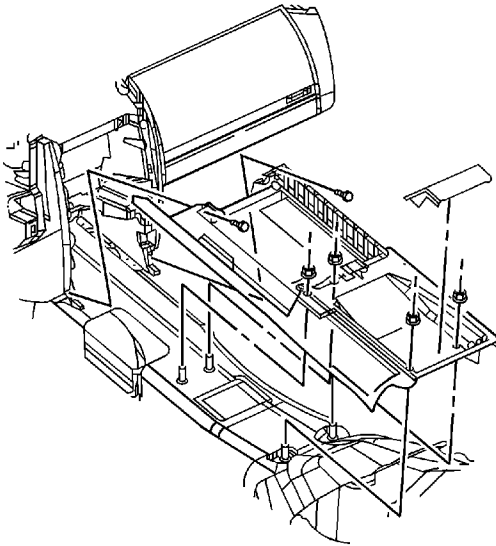


4. Remove the hinge cover from the console bin. Pull at the rear of the cover to disengage the retainer.

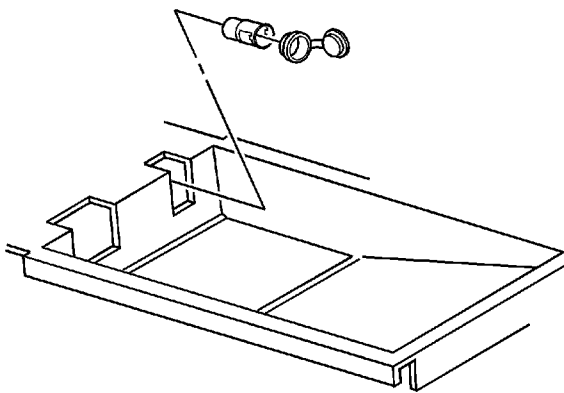




5. Remove the console cupholder and the ashtray.
6. Remove the console trim plate. Refer to [Console Trim Plate Replacement](#).



7. Remove the console nuts.
8. Remove the bolts retaining the front of the console to the instrument panel (I/P) carrier.
9. Lift the rear of the console slightly and pull rearward to release the front of the console from under the I/P carrier.
10. Disconnect the electrical connector from the electrical accessory plug.



11. Unscrew to remove the console electrical accessory plug retainer from the console electrical accessory plug housing.
12. Remove the electrical accessory plug housing from the console.
13. Using a flat-bladed tool, disengage the lamp from the retainer. Route the lamp through the

hole in the console bin.

14. Remove the console from the vehicle.

## Installation Procedure

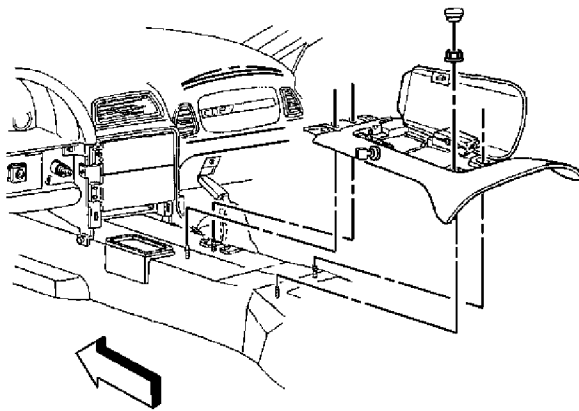
1. Install the console to the vehicle.
2. Install the console lamp to the bin.

Route the lamp through the hole in the bin and push to engage the retainer.

3. Install the electrical accessory plug housing to the console.

Verify that the cover plug is in place on the accessory plug housing.

4. Install the electrical accessory plug retainer onto the accessory plug housing. Screw the retainer onto the housing until secure.
5. Connect the electrical connector to the electrical accessory plug.

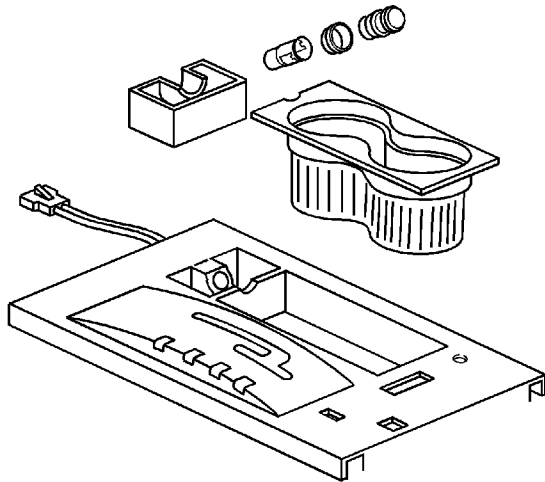


**Note:** Install the front of the console under the rear of the I/P carrier.

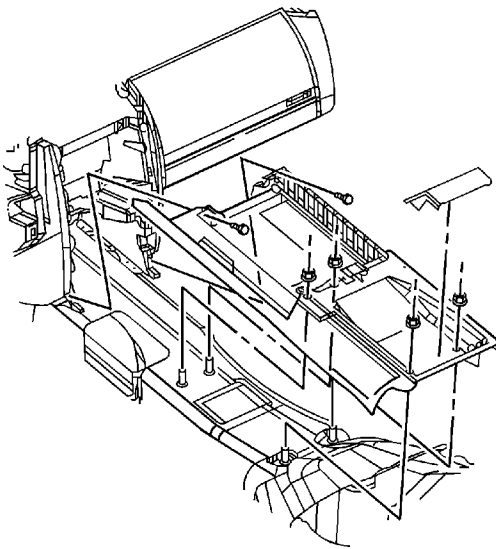
6. Install the console into position. Insert the front of the console under the rear of the I/P carrier.

**Caution:** Refer to [Fastener Caution](#) in the Preface section.

7. Install the console retaining nuts and the retaining bolt to the I/P carrier. Tighten the nuts to **10 N·m (89 lb in)**.
8. Install the console trim plate. Refer to [Console Trim Plate Replacement](#).



9. Install the console cupholder and the ashtray.



10. Install the hinge cover to the console bin.

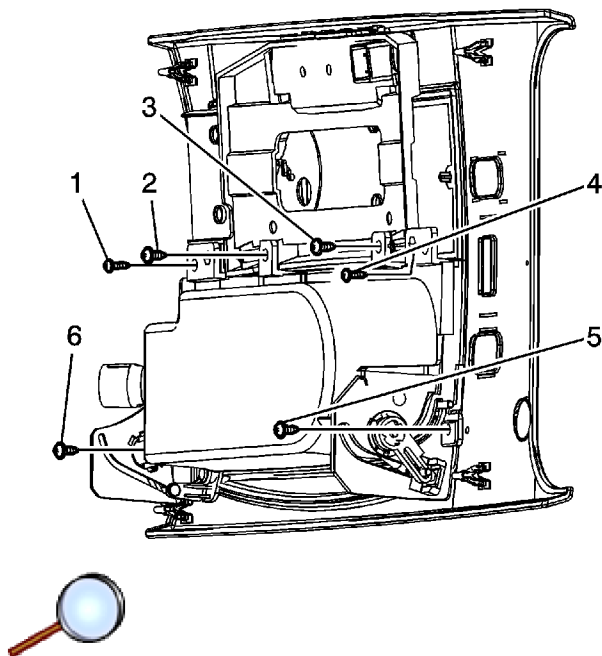
Push down on the cover to engage the retaining clips.

11. Close the console door. Verify that the door fits and latches correctly.
12. Install the shifter knob. Refer to [Transmission Control Lever Knob Replacement](#).
13. Connect the battery ground cable. Refer to [Battery Negative Cable Disconnection and Connection](#).

## Front Floor Console Compartment Replacement

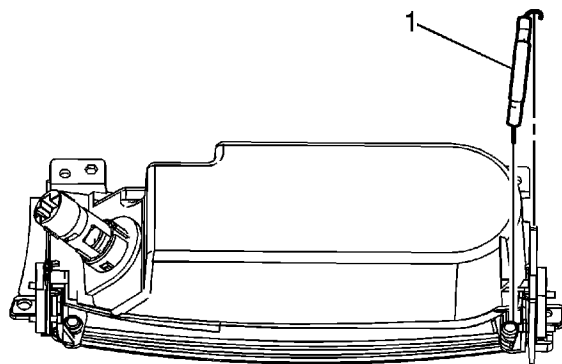
### Removal Procedure

1. Remove the console upper trim plate. Refer to [Console Trim Plate Replacement](#).



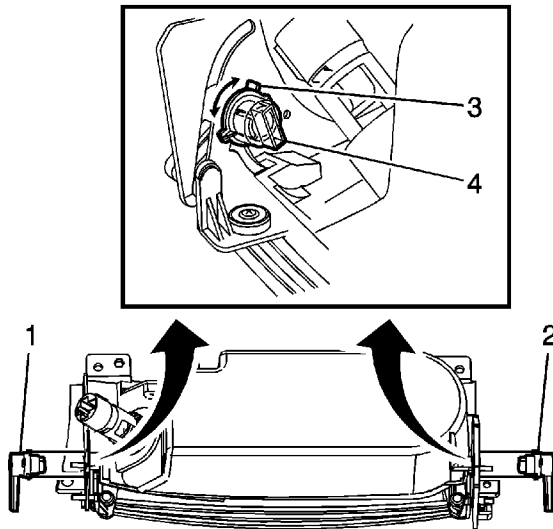
**Note:** There may or may not be washers/shims located between the console compartment and the upper trim plate in the screw locations (1-6). Note the location and number of shims removed from each location this will be important in the reassembly.

2. Remove the screws (1-6) securing the console compartment to the console upper trim plate.

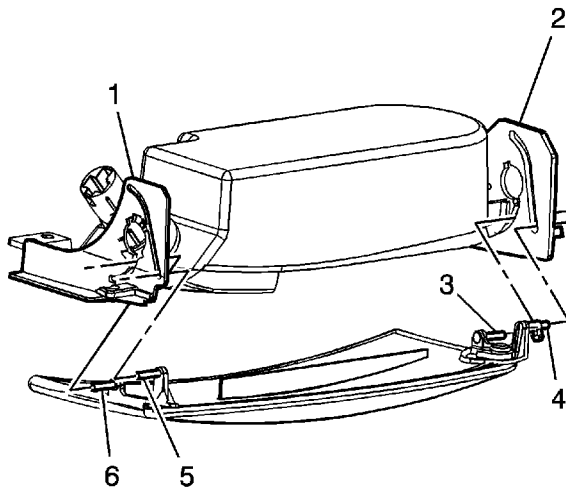




3. Remove the console compartment door spring (1).

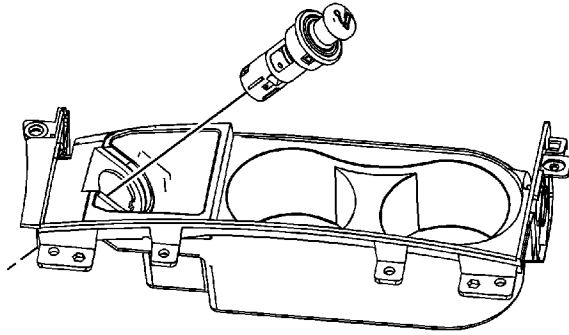


4. Remove the door dampeners (1, 2) by aligning the tab (4) to the opening (3) and pull outward.

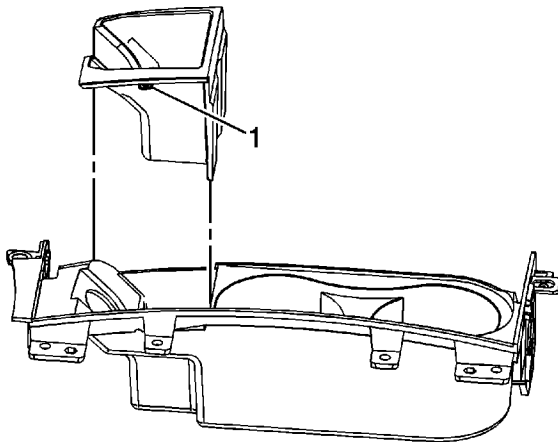


5. Remove the console compartment door.
  - 5.1. Spread the compartment door guides (1, 2).
  - 5.2. Remove the compartment door front guide pins (5, 6) from the compartment door front guide (1).
  - 5.3. Remove the compartment door rear guide pins (3, 4) from the compartment door rear guide (2).

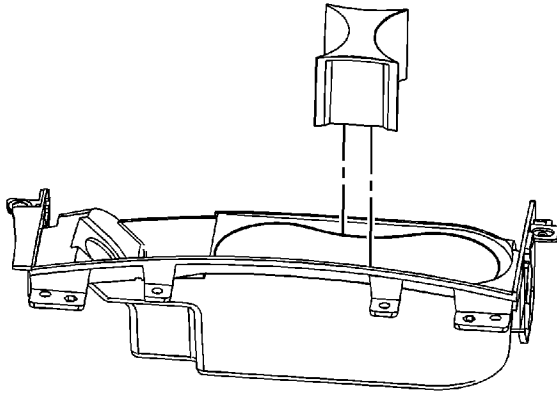




6. Remove the floor console cigar lighter and retainer. Refer to [Cigar Lighter Receptacle or 12-Volt Accessory Power Receptacle Replacement](#).

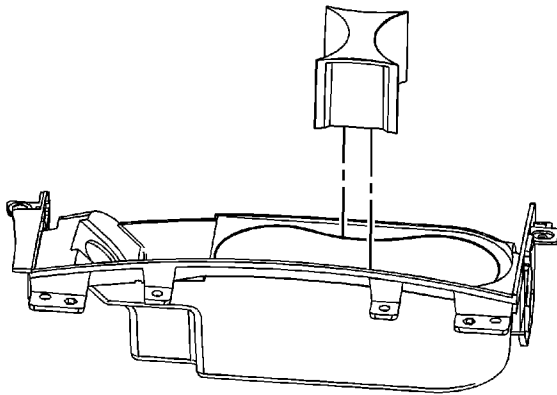


7. Push inward on the tab (1) and pull up to remove the ash receptacle from the console compartment.

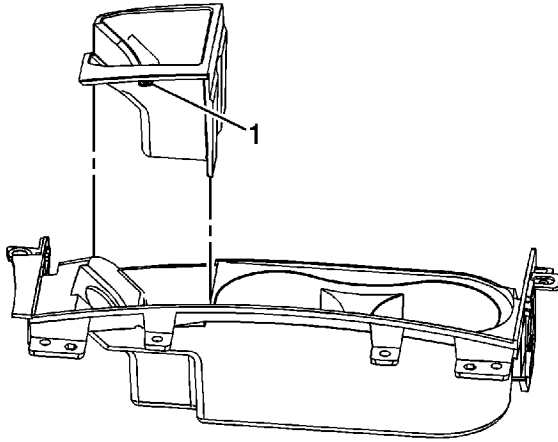


8. Remove the console compartment divider.

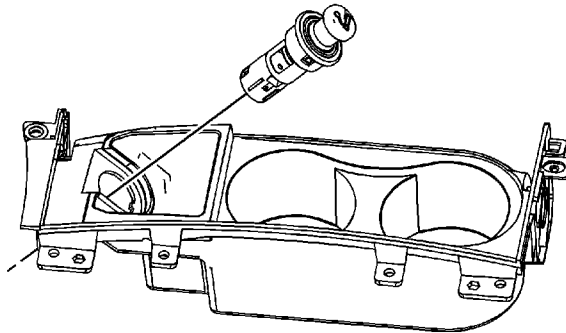
## Installation Procedure



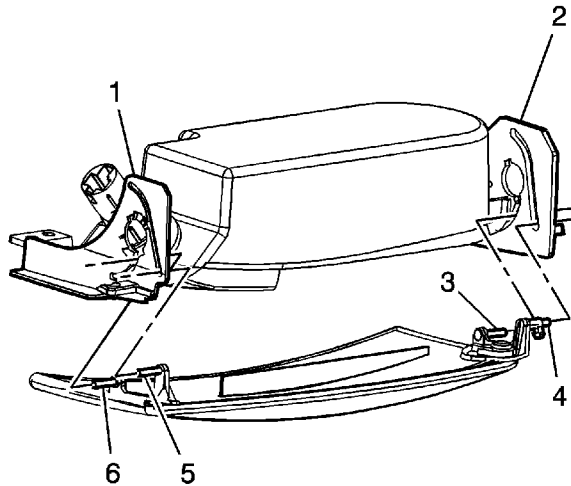
1. Install the console compartment divider.



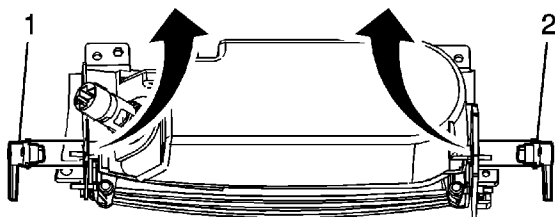
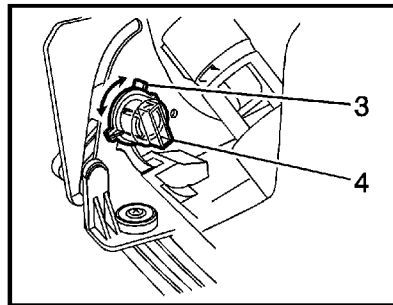
2. Push the ash receptacle into the console compartment until the retaining tab (1) snaps into place.



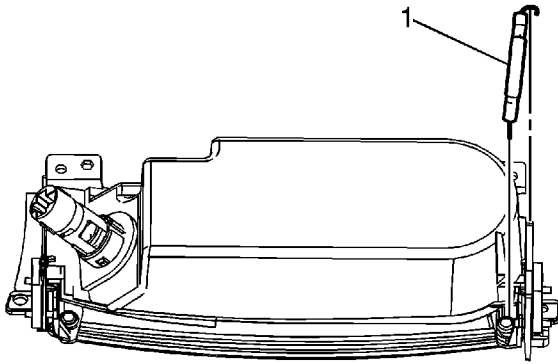
3. Install the floor console cigar lighter and retainer. Refer to [Cigar Lighter Receptacle or 12-Volt Accessory Power Receptacle Replacement](#).



4. Install the console compartment door.
  - 4.1. Spread the compartment door guides (1, 2).
  - 4.2. Insert the compartment door rear guide pins (3, 4) into the compartment door rear guide (2).
  - 4.3. Insert the compartment door front guide pins (5, 6) into the compartment door front guide (1).
5. Apply a small amount of Lubriplate Lubricant GM P/N 1050109 or in Canada P/N 5264008 to the door guides (1, 2) and the hinge pins (4-6).

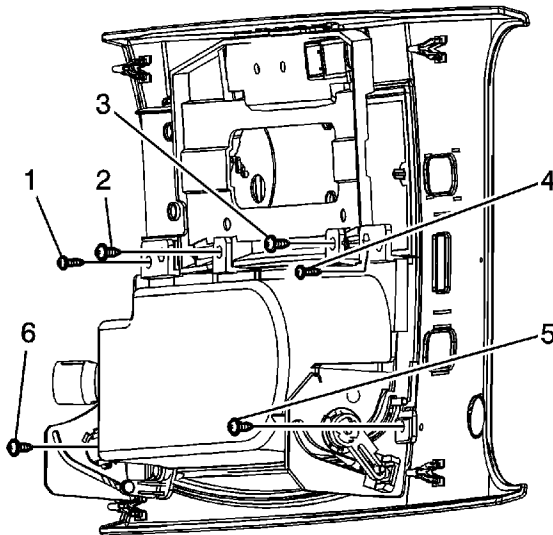


6. Install the door dampeners (1, 2).



7. Install the console compartment door spring (1).
8. Ensure the door opens and closes properly without binding.

**Caution:** Refer to [Fastener Caution](#) in the Preface section.



**Note:** Install the same number of shims/washers in the locations noted in the removal procedure.

9. Install the screws (1-6) securing the console compartment to the console upper trim plate. Tighten the nuts to **2 N·m (18 lb in)**.
10. Ensure the console compartment and door assembly is flush with the console trim plate.

11. Install the console upper trim plate. Refer to [Console Trim Plate Replacement](#).