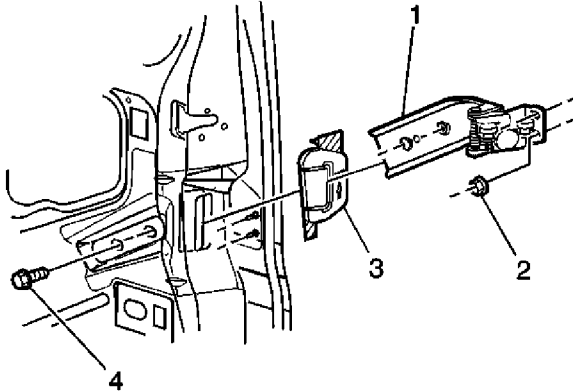


Fastener Tightening Specifications

Application	Specification	
	Metric	English
Battery Tray To The Wheelhouse Bolts	25 N·m	18 lb ft
Door Locator Mounting Bolts	10 N·m	89 lb in
Fender To Radiator Support Bolts	25 N·m	18 lb ft
Front Fender Bolts	25 N·m	18 lb ft
Front Fender Extension To Body Bolts	11 N·m	97 lb in
Front Fender Extension To Rocker Bolts	2 N·m	18 lb in
Door Check Link Bolts	11 N·m	97 lb in
Front Door Hinge Bolts	25 N·m	18 lb ft
Front Wheelhouse To Radiator Support Bolts	25 N·m	18 lb ft
Fuel Filler Door Retaining Screws	5 N·m	44 lb in
Hood Hinge Pivot Bolts And Nuts	25 N·m	18 lb in
Hood Hold-Open Rod Bolt	11 N·m	97 lb in
Hood Latch Bolts	15 N·m	11 lb ft
Rear Door Hinge Bolts	25 N·m	18 lb ft
Rear Door Wedge Bolts	10 N·m	89 lb in
Rear Side Access Door Hinge Screws	10 N·m	89 lb in
Sheet Metal Support To The Radiator Support Bolts	25 N·m	18 lb ft
Side Front Door Check Strap Bolts	10 N·m	89 lb in
Side Rear Door Check Strap Replacement Bolts	10 N·m	89 lb in
Sliding Door Check Link Nuts	10 N·m	89 lb ft
Sliding Door Lower Roller Track Bolts	11 N·m	97 lb in
Sliding Door Upper Roller Bolts	25 N·m	18 lb ft
Sliding Door Stop Nut	25 N·m	18 lb ft
Support Brace To Radiator Bolts	25 N·m	18 lb ft

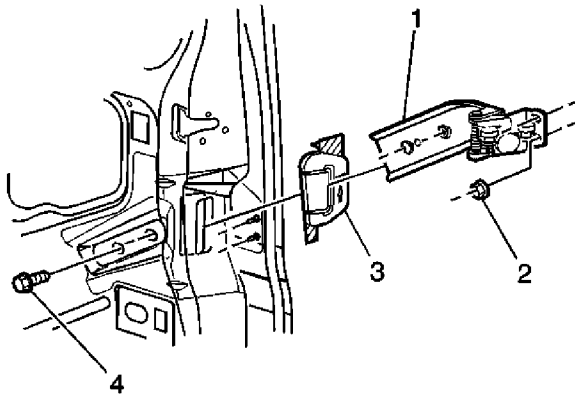
Rear Side Door Center Roller Bracket Replacement

Removal Procedure



1. Remove the sliding door trim panel. Refer to [Sliding Rear Side Door Trim Panel Replacement](#).
2. Open the door partially and support the door.
3. Remove the bolts (4) that retain the sliding side door center roller bracket (1) to the door.
4. Remove the nuts (2) that retain the sliding side door center roller bracket (1) to the door.
5. Slide the sliding side door center roller bracket (1) from the rear of the track.
6. Remove the sliding side door center roller bracket (1) from the vehicle.

Installation Procedure



1. Install the sliding side door center roller bracket (1) to the vehicle.
2. Slide the sliding side door center roller bracket (1) into the rear of the track.

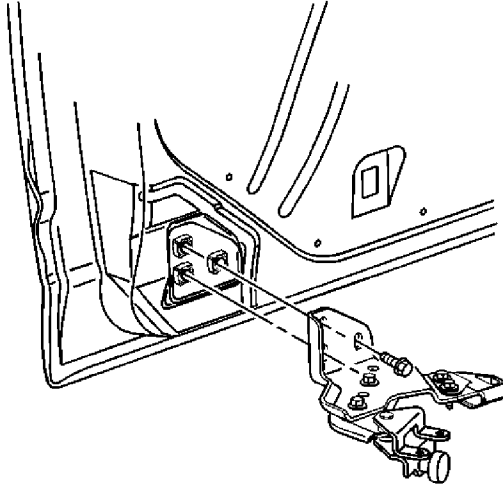
Caution: Refer to [Fastener Caution](#) in the Preface section.

3. Install the nuts (2) in order to retain the sliding side door center roller bracket (1) to the door and tighten to **25 N·m (18 lb ft)**.
4. Install the bolts (4) in order to retain the sliding side door center roller bracket (1) to the door and tighten to **25 N·m (18 lb ft)**.
5. Install the sliding door trim panel. Refer to [Sliding Rear Side Door Trim Panel Replacement](#).
6. Close the door and inspect the operation of the door.

Rear Side Door Lower Roller Bracket Replacement

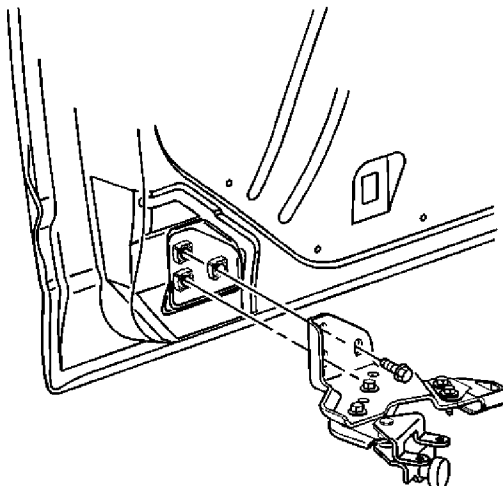
Removal Procedure

1. Support the bottom of the sliding door during lower roller bracket replacement.



2. Remove the bolts that retain the sliding side door lower roller bracket to the door.
3. Remove the sliding side door lower roller bracket from the track.
4. Remove the sliding side door lower roller bracket from the vehicle.

Installation Procedure





1. Install the sliding door lower roller bracket to the vehicle.
2. Install the sliding door lower roller bracket to the track.

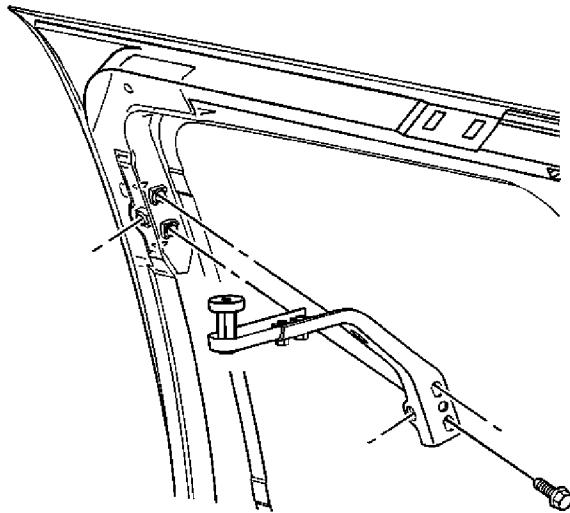
Caution: Refer to [Fastener Caution](#) in the Preface section.

3. Install the bolts that retain the sliding side door lower roller bracket to the door and tighten to **25 N·m (18 lb ft)**.

Rear Side Door Upper Roller Bracket Replacement

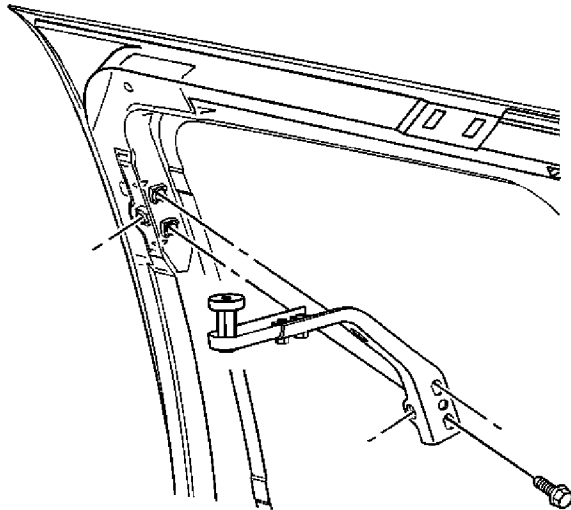
Removal Procedure

1. Remove the sliding side door upper roller bracket cover. Refer to [Rear Side Door Upper Roller Bracket Garnish Molding Replacement](#).
2. Remove the sliding side door upper track garnish molding. Refer to [Rear Side Door Upper Track Garnish Molding Replacement](#).
3. Remove the sliding door garnish molding. Refer to [Rear Side Door Garnish Molding Replacement](#).



4. Remove the bolts that retain the upper roller bracket to the door.
5. Remove the sliding side door upper roller bracket from the rear of the upper track.
6. Remove the sliding side door upper roller bracket from the vehicle.

Installation Procedure



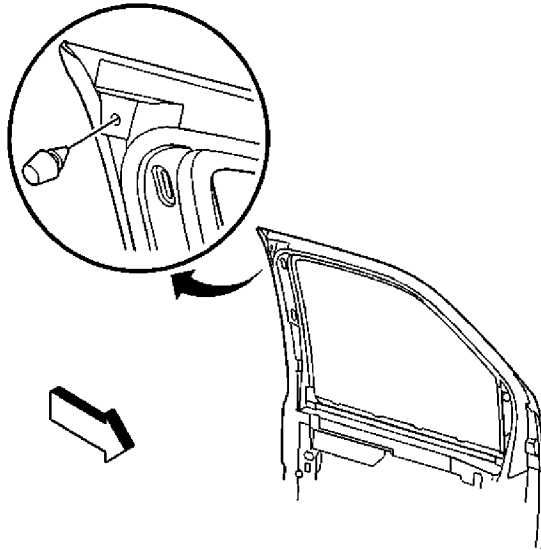
1. Install the sliding door upper roller bracket to the vehicle.
2. Install the sliding door upper roller bracket to the rear of the upper track.

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

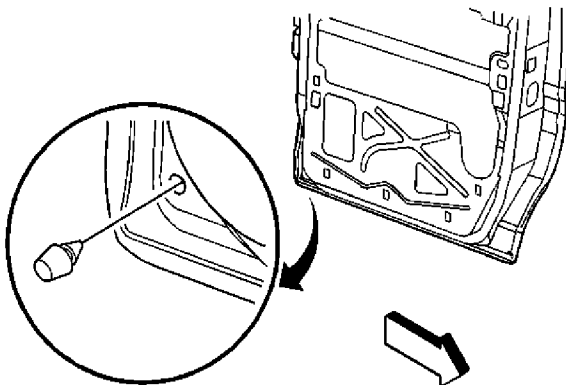
3. Install the bolts that retain the upper roller bracket to the door and tighten to **25 N·m (18 lb ft)**.
4. Install the sliding side door upper track garnish molding. Refer to [Rear Side Door Upper Track Garnish Molding Replacement](#).
5. Install the sliding door garnish molding. Refer to [Rear Side Door Garnish Molding Replacement](#).
6. Install the sliding side door upper roller bracket cover. Refer to [Rear Side Door Upper Roller Bracket Garnish Molding Replacement](#).

Front Side Door Bumper Replacement

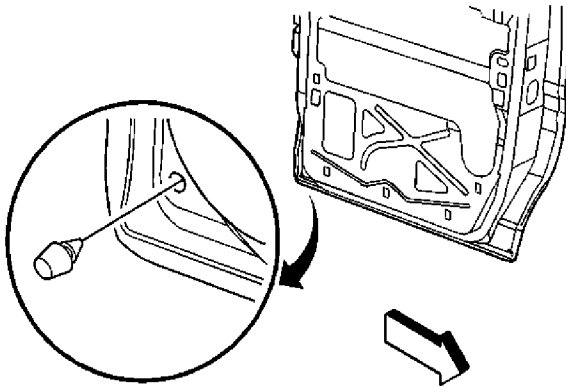
Removal Procedure



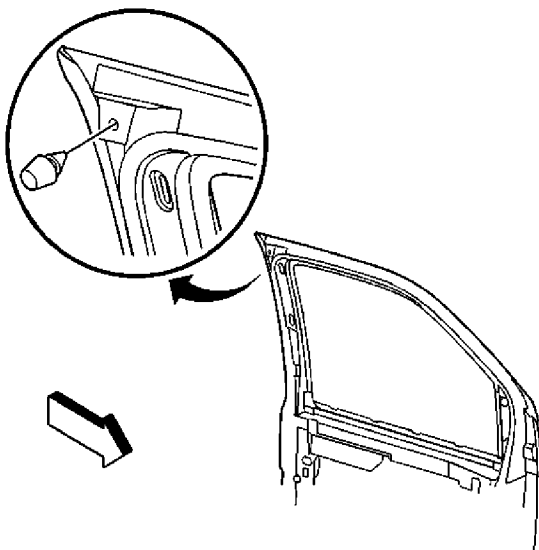
1. Open the door.
2. Gently pull the top front door bumper from the hole in the door.
3. Gently pull the bottom front door bumper from the hole in the door.



Installation Procedure



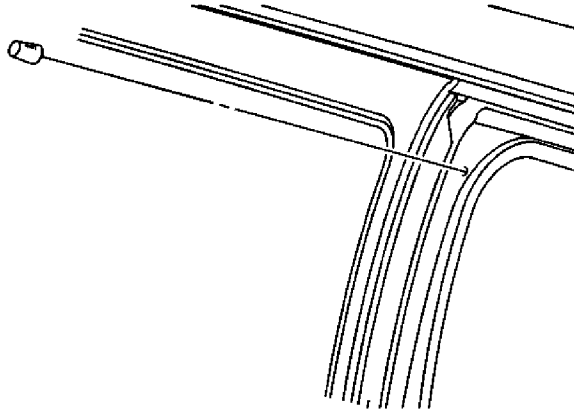
1. Apply a mild soap to both the top and bottom bumpers.
2. Press the bottom front door bumper into the hole in the door.



3. Press the top front door bumper into the hole in the door.
4. Close the door.

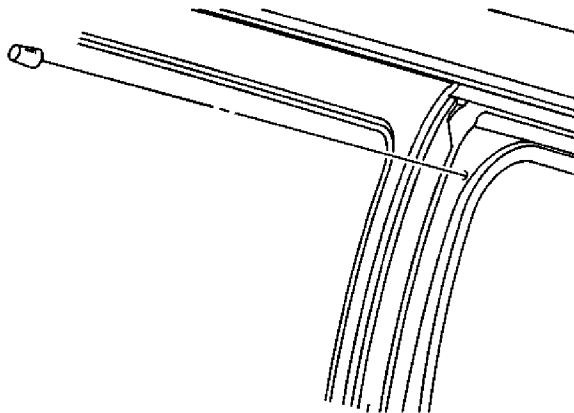
Rear Side Door Upper Bumper Replacement

Removal Procedure



1. Open the sliding side door.
2. Gently pull the sliding side door bumper from the sliding side door.

Installation Procedure



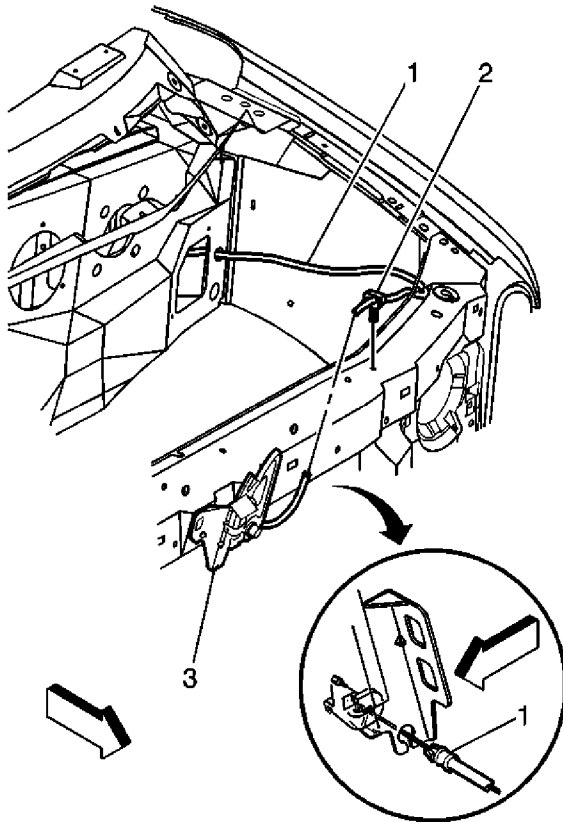


1. Apply a mild soap to the sliding side bumper.
2. Press the sliding side door bumper to the sliding side door.

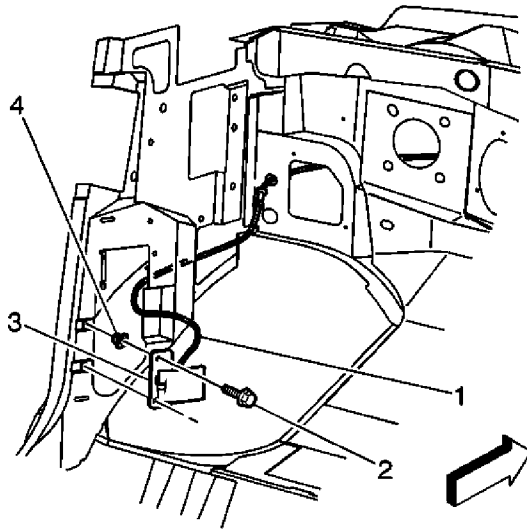
Hood Primary Latch Release Cable Replacement

Removal Procedure

1. Raise and support the hood.

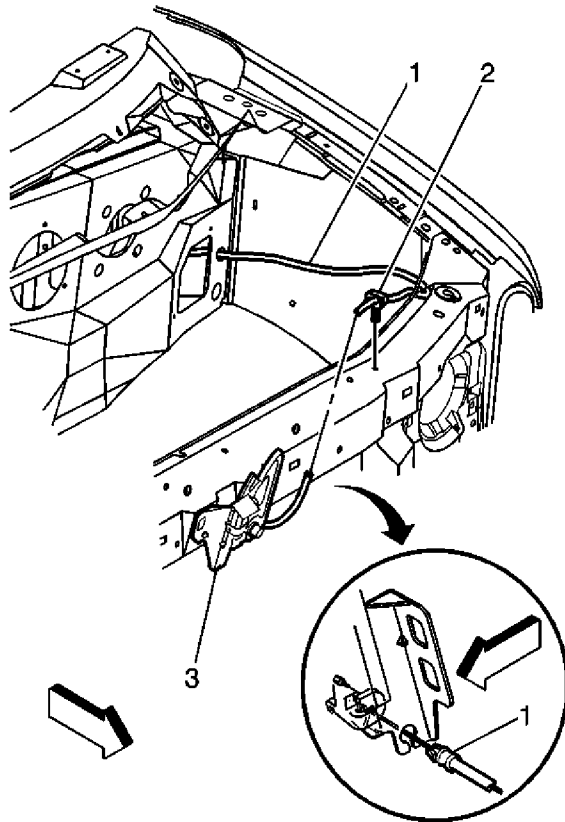


2. Remove the cable (1) from the hood latch (3).

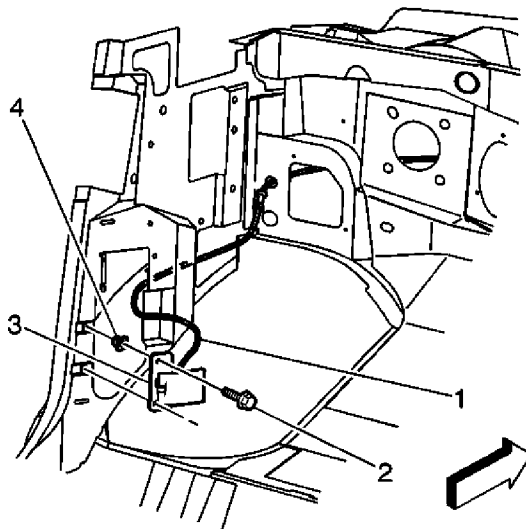


3. Remove the cable (1) from the retainer on the radiator support.
4. Push the cable (1) and the grommet into the cab from the engine compartment.
5. Remove the left side hinge pillar trim panel from the body. Refer to [Body Hinge Pillar Trim Panel Replacement](#).
6. Remove the screws retaining the cable handle (3) to the body.
7. Remove the handle (3) from the body.
8. Remove the cable (1) from the vehicle.

Installation Procedure



1. Install the cable (1) to the vehicle.

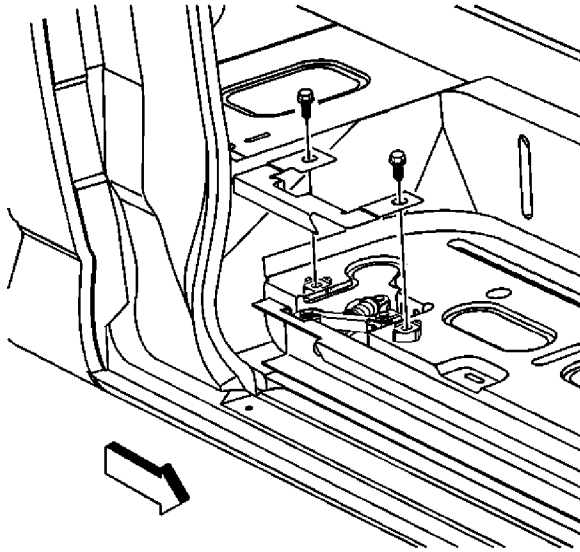


2. Route the cable (1) from the cabin into the engine compartment.
3. Install the cable grommet into the bulkhead.
4. Install the cable handle (3) to the body.

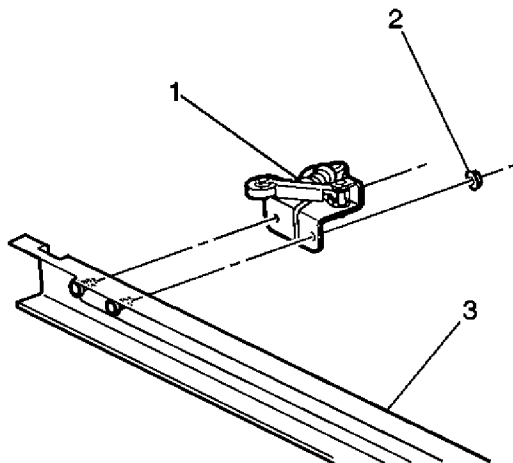
5. Install the screws in order to retain the cable handle (3) to the body.
6. Install the left side hinge pillar trim panel to the body. Refer to [Body Hinge Pillar Trim Panel Replacement](#) .
7. Install the cable (1) to the retainer on the radiator support.
8. Install the cable (1) to the hood latch.
9. Close the hood.

Rear Side Door Check Replacement

Removal Procedure



1. Remove the side door stepwell mat. Refer to [Front Side Door Step Mat Replacement](#).
2. Remove the bolts that retain the check assembly cover.
3. Remove the check assembly cover from the stepwell.

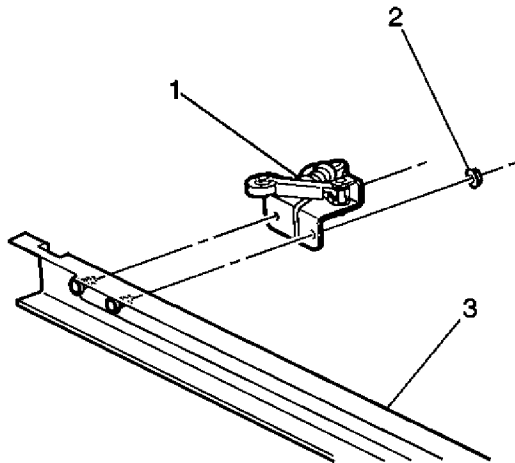


4. Remove the nuts (2) that retain the check assembly (1) to the sliding side door lower track (3).

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5. Remove the check assembly (1) from the sliding side door lower track (3).

Installation Procedure



1. Install the check assembly (1) to the sliding side door lower track (3).

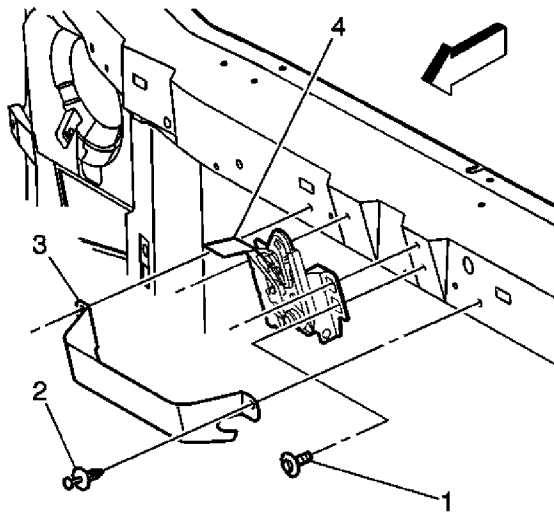
Caution: Refer to [Fastener Caution](#) in the Preface section.

2. Install the nuts (2) in order to retain the check assembly (1) to the sliding side door lower track (3) and tighten to **10 N·m (89 lb in)**.
3. Install the side door stepwell mat. Refer to [Front Side Door Step Mat Replacement](#).

Hood Latch Cover Replacement

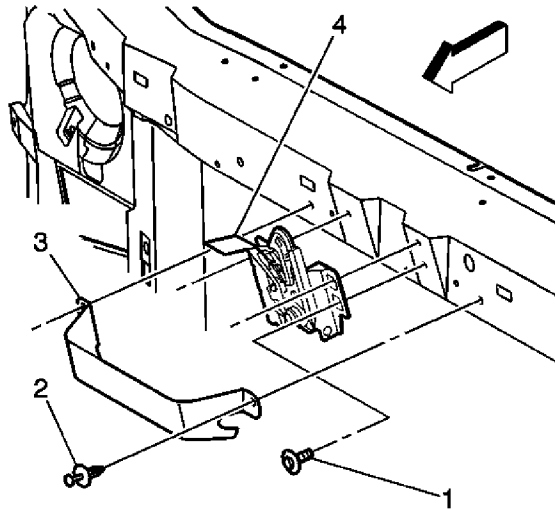
Removal Procedure

1. Raise and support the hood.
2. Remove the radiator grille. Refer to [Grille Replacement](#) .



3. Remove the push pin rivet retainers retaining the hood latch cover (3) to the radiator support.
4. Remove the hood latch cover (3) from the radiator support.

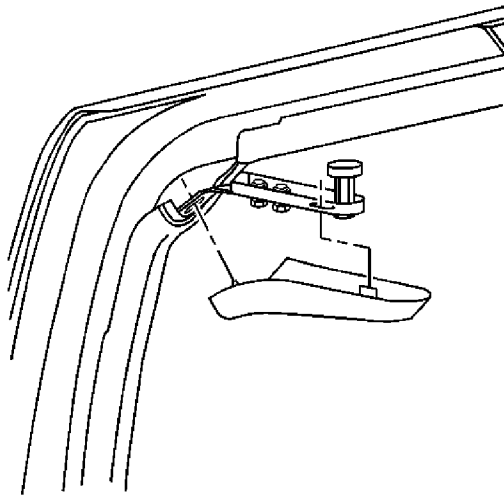
Installation Procedure



1. Install the hood latch cover (3) to the radiator support.
2. Install the push pin rivet retainers in order to retain the hood latch cover (3).
3. Install the radiator grille. Refer to [Grille Replacement](#).
4. Close the hood.

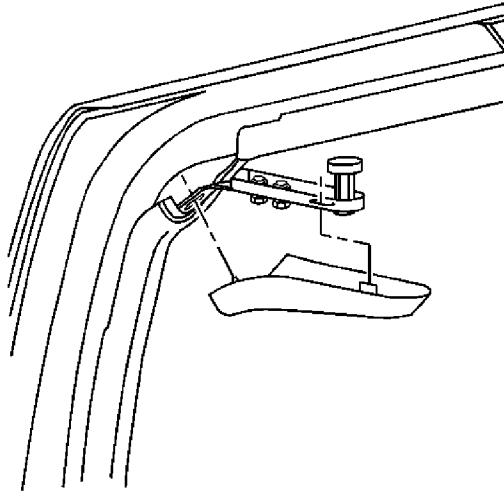
Rear Side Door Upper Roller Bracket Garnish Molding Replacement

Removal Procedure



1. Gently pull on the upper roller bracket cover in order to disengage the retaining clips.
2. Remove the upper roller bracket cover from the vehicle.

Installation Procedure

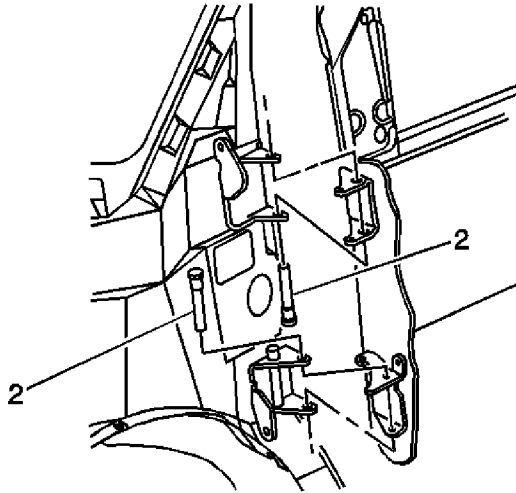


1. Install the upper roller bracket cover to the vehicle.
2. Align the upper roller bracket cover into position.

Press on the cover in order to engage the retaining clips.

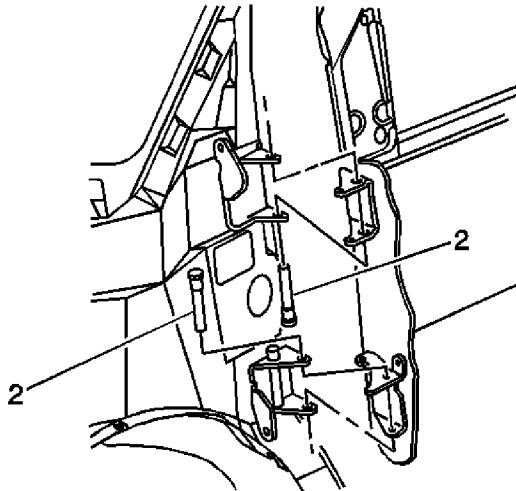
Front Side Door Replacement

Removal Procedure



1. Remove the Trim Panel. Refer to [Body Hinge Pillar Trim Panel Replacement](#).
2. Disconnect the electrical connectors in the hinge pillar for the door wire harness.
3. Push the rubber conduit out from the hinge pillar in order to remove the rubber conduit from the hinge pillar.
4. Remove the wire harness from the hinge pillar.
5. Remove the check link from the hinge pillar. Refer to [Front Side Door Check Link Replacement](#).
6. Remove the hinge pins (2) from the door. Refer to [Front Side Door Hinge Pin and Bushing Replacement](#).
7. With an assistant, remove the door from the vehicle.

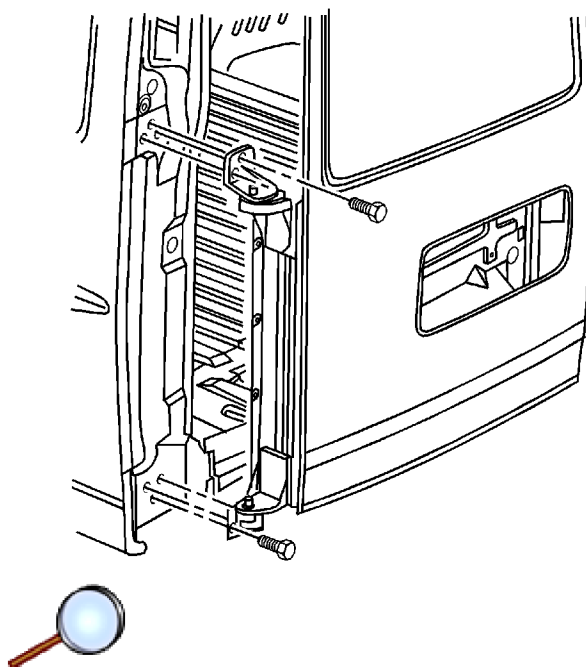
Installation Procedure



1. With an assistant, install the door to the vehicle.
2. Install the hinge pins (2) to the door. Refer to [Front Side Door Hinge Pin and Bushing Replacement](#) .
3. Install the check link to the hinge pillar. Refer to [Front Side Door Check Link Replacement](#) .
4. Install the wire harness to the hinge pillar.
5. Push the rubber conduit into the hole in the hinge pillar.
6. Connect the electrical connectors for the front door wire harness.
7. Install the Trim Panel. Refer to [Body Hinge Pillar Trim Panel Replacement](#).

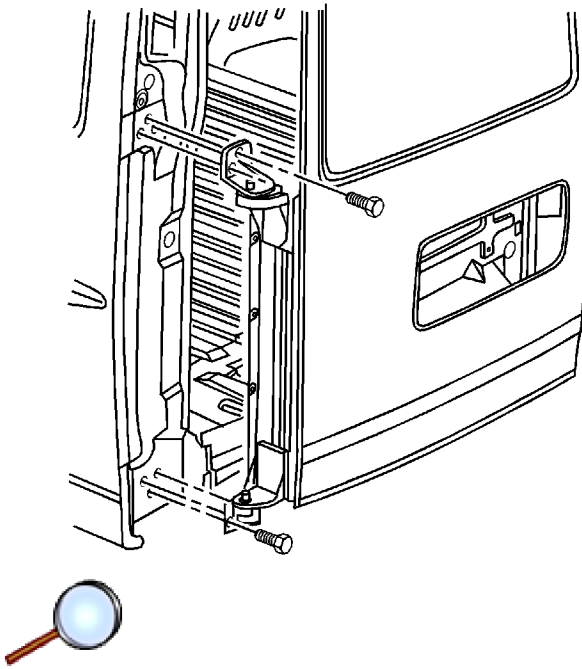
Rear Door Replacement - Left Side

Removal Procedure



1. Remove the left side rear door trim panel. Refer to [Rear Door Trim Panel Replacement - Left Side](#).
2. Remove the rear door extension. Refer to [Rear Door Outer Extension Panel Replacement](#).
3. Remove the left side rear door latches. Refer to [Rear Door Latch Replacement - Lower](#) and [Rear Door Latch Replacement - Upper](#).
4. Remove the left side rear door latch handle. Refer to [Rear Door Latch Replacement - Lower](#).
5. Remove the left side rear door wiring harness from the door. Refer to [Door Wiring Harness Replacement](#).
6. Remove the left side rear door hinged rear window or stationary window, if needed. Refer to [Hinged Rear Window Replacement](#) or [Rear Window Replacement](#).
7. Remove the left side rear door weatherstrips, if needed. Refer to [Front and Rear Side Door Lower Weatherstrip Replacement](#).
8. Remove the left side rear door rear door speaker, if equipped. Refer to [Radio Rear Side Door Speaker Replacement](#).
9. Remove the bolts that retain the left side rear door upper and the lower door hinges to the body.
10. Remove the left side rear door from the vehicle with an assistant.

Installation Procedure



1. Install the left side rear door to the vehicle with an assistance.

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

2. Install the bolts in order to retain the left side rear door upper and the lower door hinges to the body and tighten to **25 N·m (18 lb ft)**.
3. Install the left side rear door rear door speaker, if equipped. Refer to [Radio Rear Side Door Speaker Replacement](#).
4. Install the left side rear door weatherstrips, if needed. Refer to [Front and Rear Side Door Lower Weatherstrip Replacement](#).
5. Install the left side rear door hinged rear window or stationary window, if needed. Refer to [Hinged Rear Window Replacement](#) or [Rear Window Replacement](#).
6. Install the left side rear door wiring harness to the door. Refer to [Door Wiring Harness Replacement](#).
7. Install the left side rear door latch handle. Refer to [Rear Door Latch Replacement - Lower](#).
8. Install the left side rear door latches. Refer to [Rear Door Latch Replacement - Lower](#) and [Rear Door Latch Replacement - Upper](#).
9. Install the rear door extension. Refer to [Rear Door Outer Extension Panel Replacement](#).
10. Install the left side rear door trim panel. Refer to [Rear Door Trim Panel Replacement - Left Side](#).

Rear Door Replacement

Removal Procedure

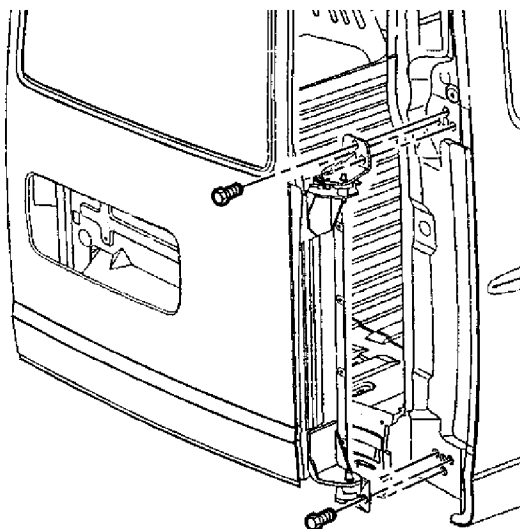
1. Remove the striker. Refer to [Rear Side Door Latch Striker Replacement - Lower](#) .
2. Remove the cargo door lamp. Refer to [Cargo Lamp Replacement](#) .
3. Remove the cargo door assist rods. Refer to [Cargo Door Assist Rod Replacement](#) .
4. Remove hinge. Refer to [Rear Door Hinge Replacement](#) .
5. With the aid of an assistant, remove the door.

Installation Procedure

1. With the aid of an assistant, install the door to the vehicle.
2. Install the hinges. Refer to [Rear Door Hinge Replacement](#) .
3. Install the cargo door assist rods. Refer to [Cargo Door Assist Rod Replacement](#) .
4. Install the strikers. Refer to [Rear Side Door Latch Striker Replacement - Lower](#) .
5. Install the cargo door lamp. Refer to [Cargo Lamp Replacement](#) .
6. Inspect for proper operation.

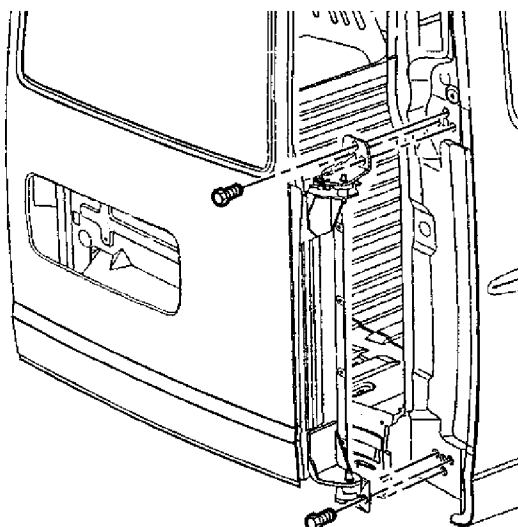
Rear Door Replacement - Right Side

Removal Procedure



1. Remove the right side rear door trim panel. Refer to [Rear Door Trim Panel Replacement - Right Side](#).
2. Remove the right side rear door extension. Refer to [Rear Door Outer Extension Panel Replacement](#).
3. Remove the right side rear door inside handle. Refer to [Rear Door Inside Handle Replacement](#).
4. Remove the right side rear door outside handle. Refer to [Rear Door Outside Handle and License Pocket Replacement](#).
5. Remove the right side rear door wiring harness from the door. Refer to [Door Wiring Harness Replacement](#).
6. Remove the right side rear door hinged rear window or stationary window, if needed. Refer to [Hinged Rear Window Replacement](#) or [Rear Window Replacement](#).
7. Remove the right side rear door weatherstrips, if needed. Refer to [Front and Rear Side Door Lower Weatherstrip Replacement](#).
8. Remove the right side rear door rear lock. Refer to [Rear Door Lock Replacement](#).
9. Remove the right side rear door speaker, if equipped. Refer to [Radio Rear Side Door Speaker Replacement](#).
10. Remove the bolts that retain the right side rear door upper and the lower door hinges to the body.
11. Remove the right side rear door from the vehicle with an assistant.

Installation Procedure



1. Install the right side rear door to the vehicle with an assistant.

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

2. Install the bolts in order to retain the right side rear door upper and the lower door hinges to the body and tighten to **25 N·m (18 lb ft)**.
3. Install the right side rear door speaker, if equipped. Refer to [Radio Rear Side Door Speaker Replacement](#).
4. Install the right side rear door lock. Refer to [Rear Door Lock Replacement](#).
5. Install the right side rear door weatherstrips, if needed. Refer to [Front and Rear Side Door Lower Weatherstrip Replacement](#).
6. Install the right side rear door hinged rear window or stationary window, if needed. Refer to [Hinged Rear Window Replacement](#) or [Rear Window Replacement](#).
7. Install the right side rear door wiring harness to the door. Refer to [Door Wiring Harness Replacement](#).
8. Install the right side rear door outside handle. Refer to [Rear Door Outside Handle and License Pocket Replacement](#).
9. Install the right side rear door inside handle. Refer to [Rear Door Inside Handle Replacement](#).
10. Install the right side rear door extension. Refer to [Rear Door Outer Extension Panel Replacement](#).
11. Install the right side rear door trim panel. Refer to [Rear Door Trim Panel Replacement - Right Side](#).

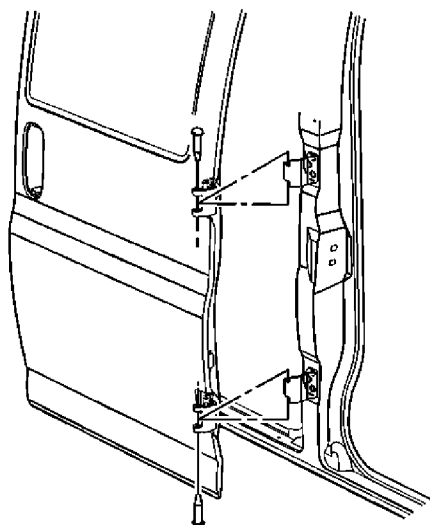
Rear Side Door Replacement

Tools Required

- [J 41226](#) Door Hinge Pin Drillout Kit
- [J 41226-50](#) Door Hinge Pin Adapter Kit

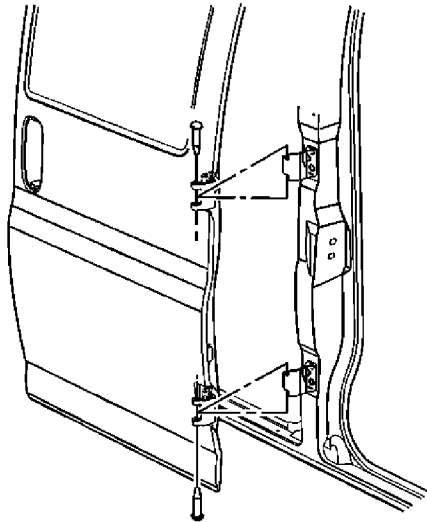
Removal Procedure

1. Remove the side rear door trim panel. Refer to [Rear Side 60/40 Door Trim Panel Replacement - Right Side](#) or [Rear Side 60/40 Door Trim Panel Replacement - Left Side](#).
2. Remove the hinged side window or the stationary side window. Refer to [Body Side Window Replacement](#).
3. Remove the weatherstrips, if needed. Refer to [Rear Side Door Lower Weatherstrip Replacement](#) or [Intermediate Side Door Window Weatherstrip Replacement](#).
4. Remove the side rear door upper and lower door wedges from the door. Refer to [Sliding Rear Side Door Locator and Door Side Wedge Replacement](#).
5. Remove the upper and the lower door latches. Refer to [Rear Side Door Latch Replacement - Upper](#) and [Rear Side Door Latch Replacement - Lower](#).
6. Remove the latch rods from the door.
7. Remove the latch handle. Refer to [Rear Side Door Latch Control Handle Replacement](#).
8. Remove the latch striker. Refer to [Rear Side Door Latch Striker Replacement - Lower](#).



9. Remove the side rear door hinge pins using the [J 41226](#) and the [J 41226-50](#).
10. Remove the side rear door from the vehicle.

Installation Procedure

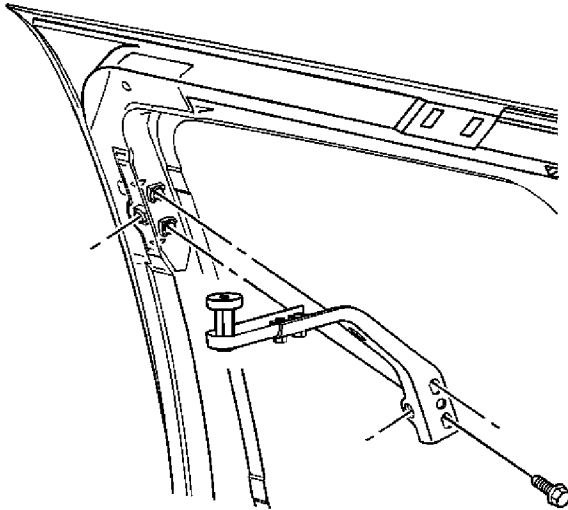


1. Install the side rear door to the vehicle with an assistant.
2. Install the side rear door hinge pins using the [J 41226](#) and the [J 41226-50](#) .
3. Install the latch striker. Refer to [Rear Side Door Latch Striker Replacement - Lower](#) .
4. Install the latch handle. Refer to [Rear Side Door Latch Control Handle Replacement](#) .
5. Install the latch rods to the door.
6. Install the upper and the lower door latches. Refer to [Rear Side Door Latch Replacement - Upper](#) and [Rear Side Door Latch Replacement - Lower](#) .
7. Install the side rear door upper and lower door wedges to the door. Refer to [Sliding Rear Side Door Locator and Door Side Wedge Replacement](#) .
8. Install the weatherstrips, if needed. Refer to [Rear Side Door Lower Weatherstrip Replacement](#) or [Intermediate Side Door Window Weatherstrip Replacement](#) .
9. Install the hinged side window or the stationary side window. Refer to [Body Side Window Replacement](#) .
10. Install the side rear door trim panel. Refer to [Rear Side 60/40 Door Trim Panel Replacement - Right Side](#) or [Rear Side 60/40 Door Trim Panel Replacement - Left Side](#) .

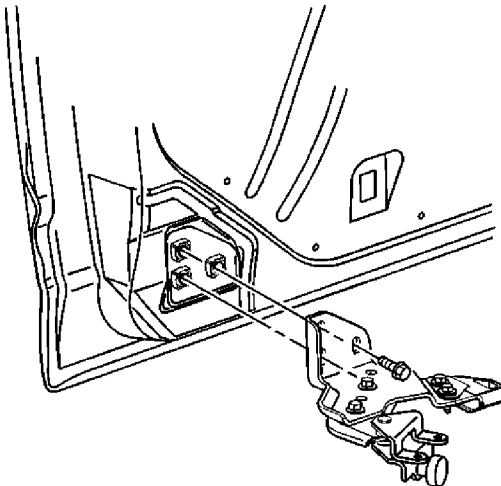
Sliding Rear Side Door Adjustment

Up and Down Adjustment

1. Remove the sliding side door upper roller cover. Refer to [Rear Side Door Upper Roller Bracket Garnish Molding Replacement](#).
2. Remove the sliding side door lower roller cover.



3. Loosen the bolts that retain the upper front roller to the door.



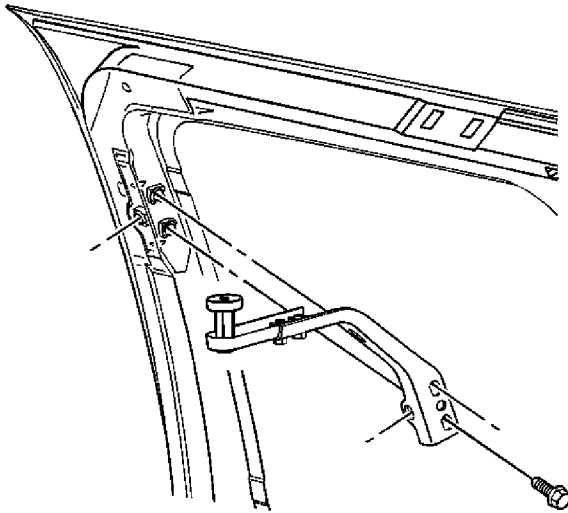
4. Loosen the bolts that retain the lower front roller to the door.
5. Loosen the nuts that retain the rear roller to the door.

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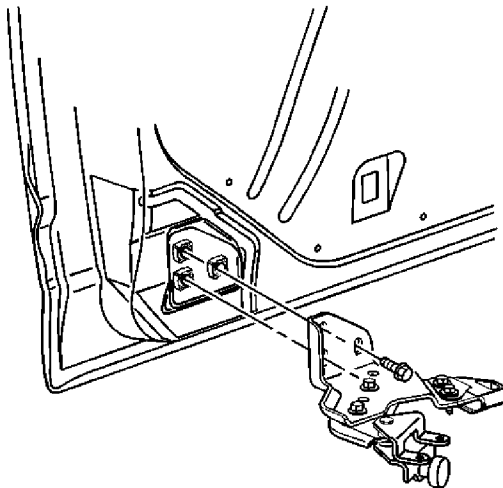
6. Adjust the door up or down until you obtain the desired position.

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

7. Tighten the nuts that retain the rear roller to the door to **25 N·m (18 lb ft)**.



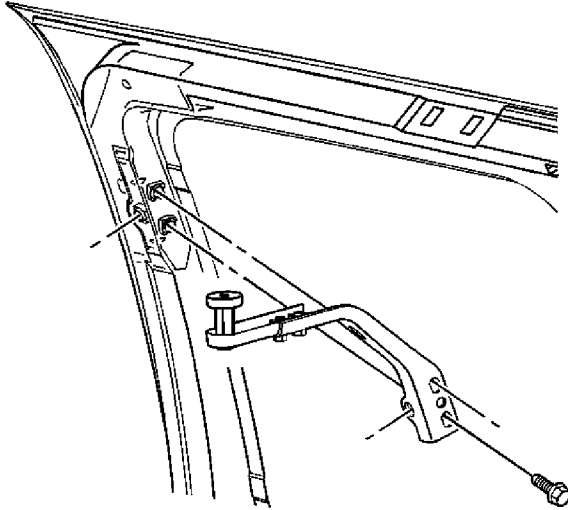
8. Tighten the bolts that retain the upper front roller to the door to **25 N·m (18 lb ft)**.



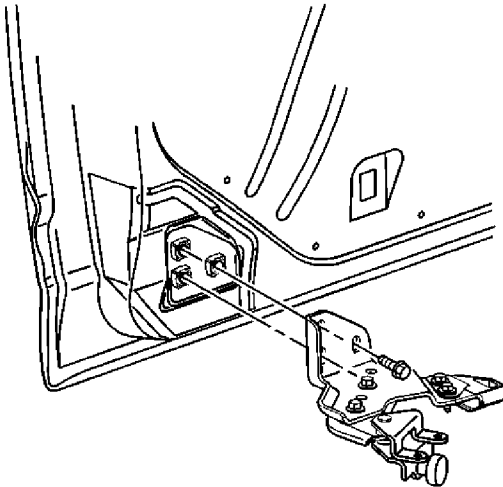
9. Tighten the bolts that retain the lower front roller to the door to **25 N·m (18 lb ft)**.
10. Install the sliding side door lower roller cover.
11. Install the sliding side door upper roller cover. Refer to [Rear Side Door Upper Roller Bracket Garnish Molding Replacement](#).

In and Out Adjustment

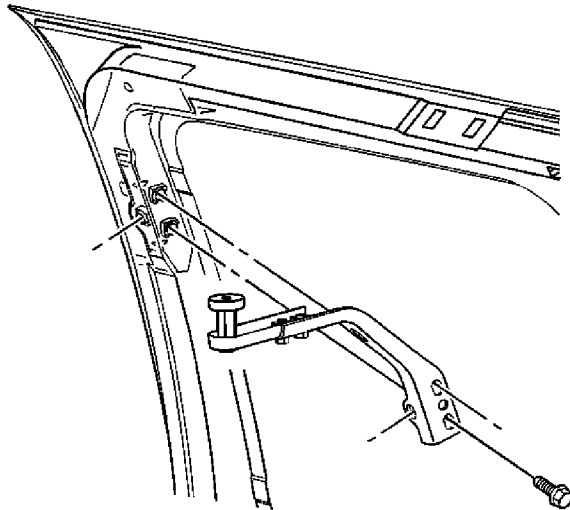
1. Remove the sliding side door upper roller cover. Refer to [Rear Side Door Upper Roller Bracket Garnish Molding Replacement](#).
2. Remove the sliding side door lower roller cover.



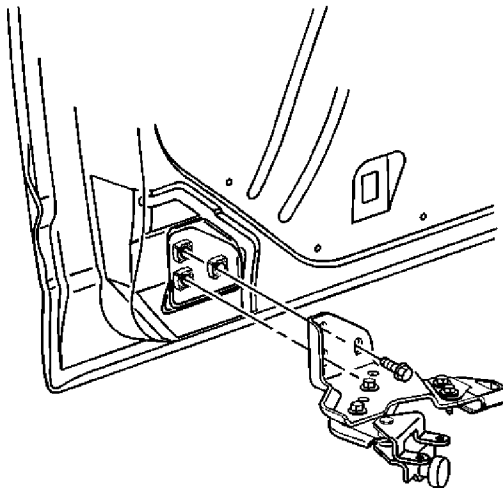
3. Loosen the bolts that retain the upper front roller to the bracket.



4. Loosen the bolts that retain the lower front roller to the bracket.
5. Adjust the door in or out until you obtain the desired position.



6. Tighten the bolts that retain the upper front roller to the bracket to **25 N·m (18 lb ft)**.

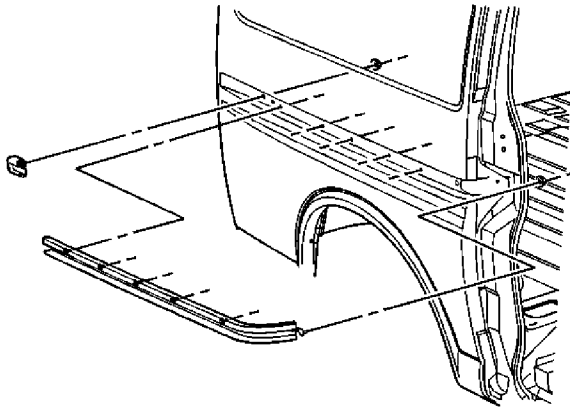


7. Tighten the bolts that retain the lower front roller to the bracket to **25 N·m (18 lb ft)**.
8. Install the sliding side door lower roller cover.
9. Install the sliding side door upper roller cover. Refer to [Rear Side Door Upper Roller Bracket Garnish Molding Replacement](#).

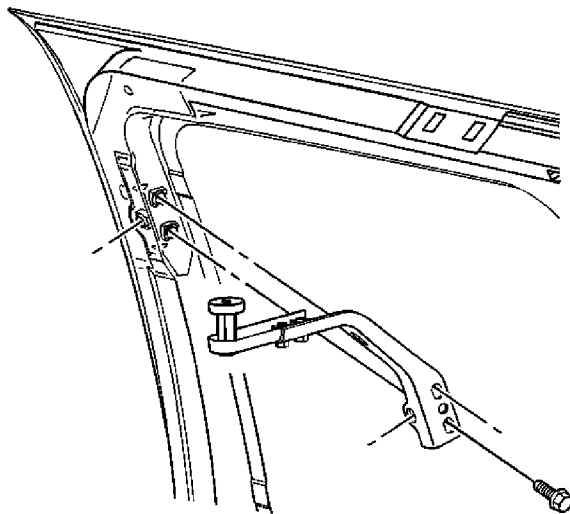
Sliding Rear Side Door Replacement

Removal Procedure

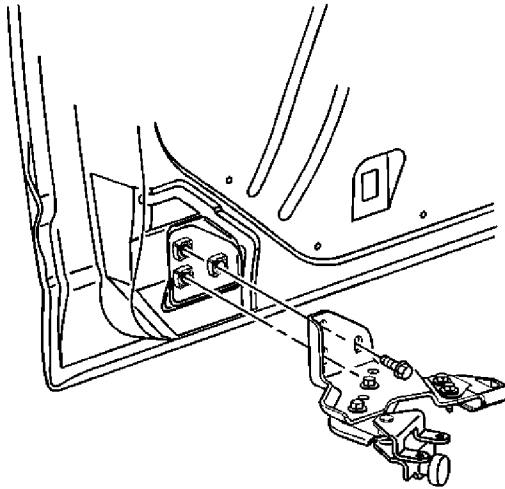
1. Open and support the sliding side door.
2. Remove the passenger side body side trim panel. Refer to [Body Side Trim Panel Replacement - Right Side](#).



3. Remove the sliding side door center track stop nuts and washers from the vehicle.
4. Remove the sliding side door center track stop from the vehicle.
5. Remove the sliding side door center track cap from the vehicle.



6. Remove the upper roller bolts from the sliding side door.

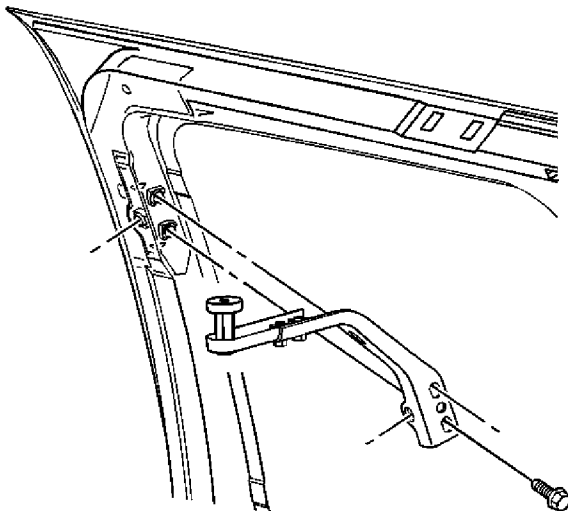


7. Remove the lower roller bolts from the sliding side door.
8. With an assistant, slide the sliding side door out of the rear of the center track.

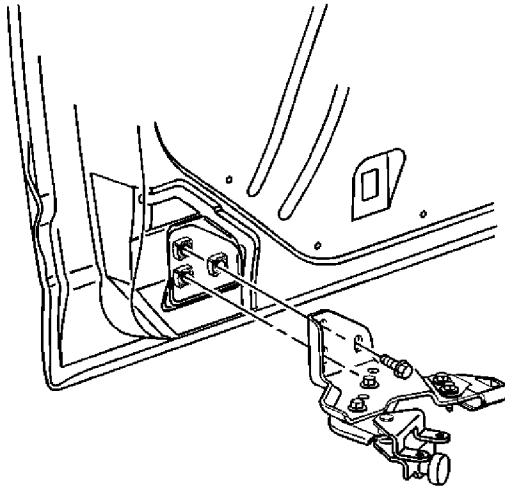
Installation Procedure

1. With an assistant, slide the sliding side door into the center track.

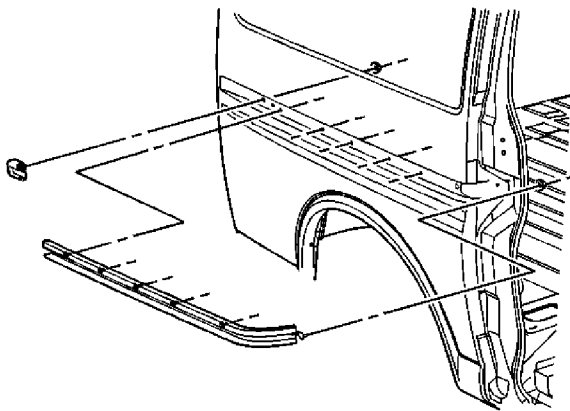
Caution: Refer to [Fastener Caution](#) in the Preface section.



2. Install the upper roller bolts to the sliding side door and tighten to **25 N·m (18 lb ft)**.

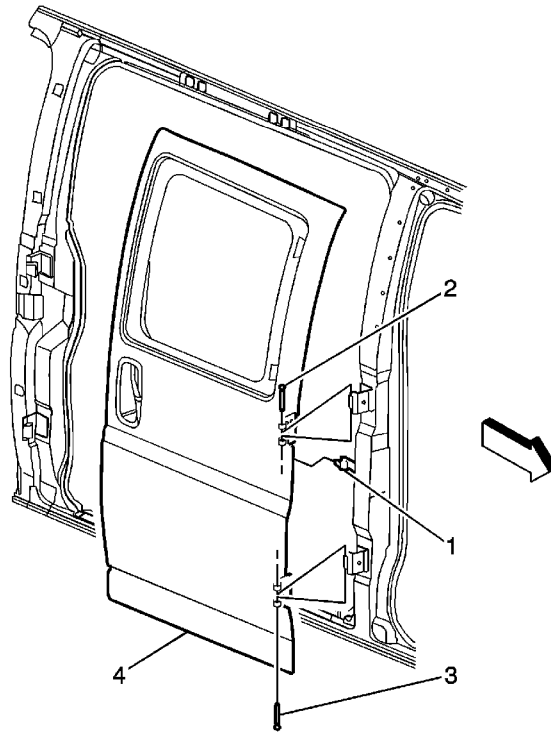


3. Install the lower roller bolts to the sliding side door and tighten to **25 N·m (18 lb ft)**.



4. Install the center track cap to the vehicle.
5. Install the center track sliding side door stop to the vehicle.
6. Install the center track sliding side door stop nut and washer to the vehicle.
7. Install the passenger side body side trim panel. Refer to [Body Side Trim Panel Replacement - Right Side](#).
8. Remove the supports.
9. Close the door.

Intermediate Side Door Replacement



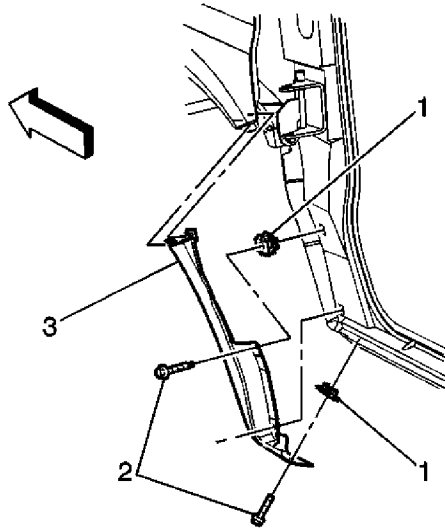
Callout	Component Name
Preliminary Procedure	
<ol style="list-style-type: none">1. Remove the intermediate side rear door trim panel. Refer to Rear Side 60/40 Door Trim Panel Replacement - Right Side or Rear Side 60/40 Door Trim Panel Replacement - Left Side .2. Remove the hinged intermediate side window or the stationary side window. Refer to Body Side Window Replacement .3. Remove the intermediate weatherstrips, if needed. Refer to Intermediate Side Door Window Weatherstrip Replacement .4. Remove the intermediate side rear door upper and lower door wedges from the door. Refer to Intermediate Side Door Wedge Replacement - Door Side .	
1	Intermediate Side Door Check Link Procedure Under hook the check link from the center pillar.
	Intermediate Side Door Upper Hinge Pin Procedure

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2	<ol style="list-style-type: none">1. Use masking tape to tape off around the door and body before removing pins2. Open door fully, unhook the check link.3. Disconnect the door electrical connector, if equipped4. Support the door before removing the hinge pins. <p>Special Tools</p> <ul style="list-style-type: none">• J 41226 Door Hinge Pin Drillout Kit• J 41226-50 Door Hinge Pin Adapter Kit
3	<p>Intermediate Side Door Lower Hinge Pin</p> <p>Procedure</p> <p>Follow the upper pin removal</p>
4	<p>Intermediate Side Door Assembly</p> <p>Procedure</p> <p>When replacing the door it is necessary to transfer all the internal components.</p>

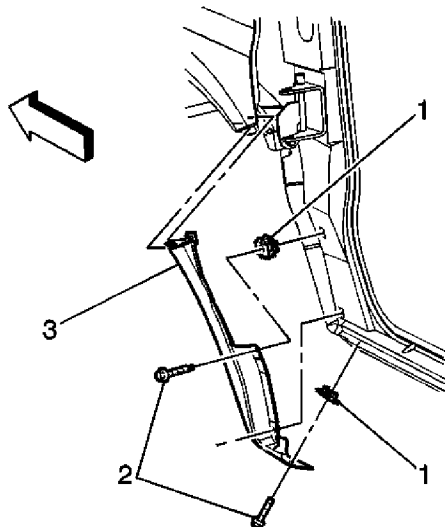
Front Fender Extension Replacement

Removal Procedure



1. Remove the bolt (2) retaining the front fender extension (3) to the body.
2. Remove the bolt (2) retaining the front fender extension (3) to the rocker panel.
3. Remove the front fender extension (3) from the body.

Installation Procedure



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1. Install the front fender extension (3) to the body.

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

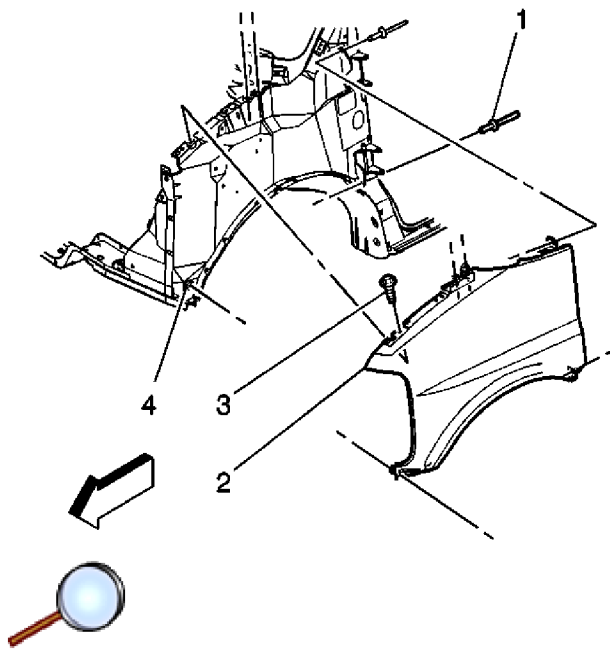
2. Install the bolts (2) in order to retain the front fender extension (3) to the body and tighten to **11 N·m (97 lb in)**.
3. Install the bolt in order to retain the front fender extension to the rocker panel and tighten to **2 N·m (18 lb in)**.

Front Fender Replacement

Removal Procedure

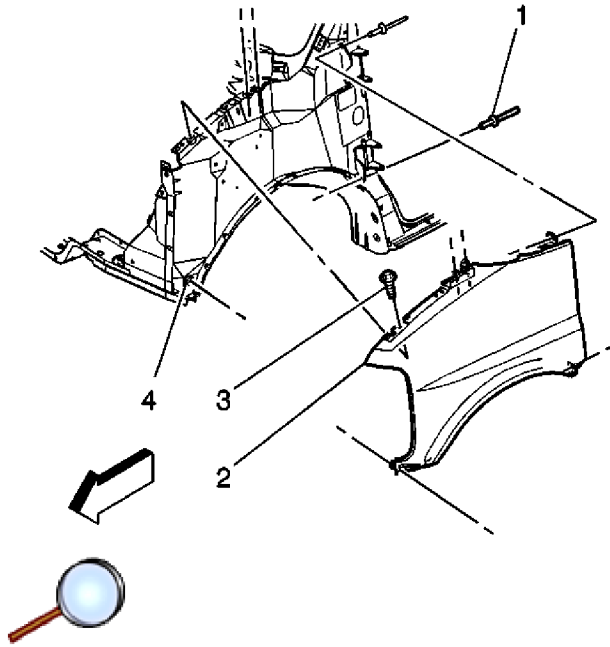
Caution: Refer to [Apply Tape When Removing Body Panel Caution](#) in the Preface section.

1. Apply tape to panels to be removed.
2. Remove the right and the left air inlet grille panels from the vehicle. Refer to [Air Inlet Grille Panel Replacement](#).
3. Remove the hood from the vehicle. Refer to [Hood Replacement](#).
4. Remove the upper fender filler panel from the vehicle. Refer to [Windshield Frame Filler Panel Applique Replacement](#).



5. Remove the front fender extension from the vehicle. Refer to [Front Fender Extension Replacement](#).
6. Remove the front bumper from the vehicle. Refer to [Front Bumper Replacement](#).
7. Drill out the rivets (1) retaining the front fender (2) to the front door hinges.
8. Remove the bolts (3) retaining the front fender (2) to the body.
9. Remove the hood rod support from the left fender. Refer to [Hood Hold-Open Rod Replacement](#).
10. Remove the front fender (2) from the vehicle.

Installation Procedure



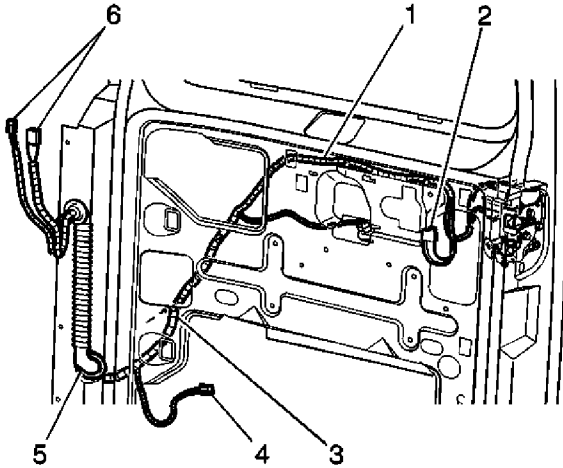
1. Install the front fender (2) to the vehicle.

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

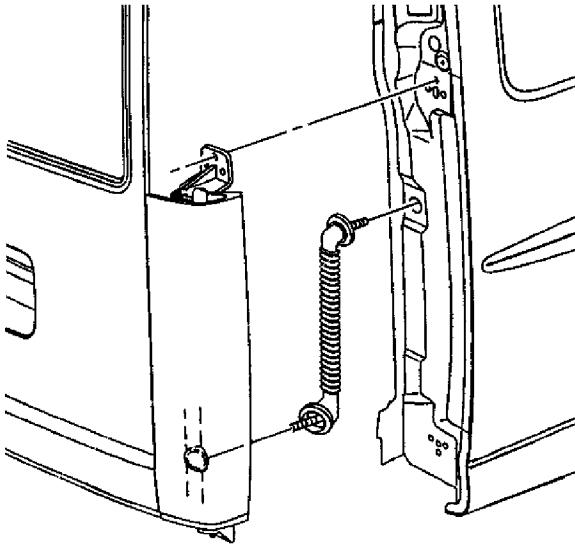
2. Install the bolts (3) in order to retain the front fender (2) to the body and tighten to **25 N·m (18 lb ft)**.
3. Install the hood rod support to the left fender. Refer to [Hood Hold-Open Rod Replacement](#)
4. Install the new rivets (1) in order to retain the front fender (2) to the front door hinges.
5. Install the front bumper to the vehicle. Refer to [Front Bumper Replacement](#).
6. Install the front fender extension to the vehicle. Refer to [Front Fender Extension Replacement](#).
7. Install the upper fender filler panel to the vehicle. Refer to [Windshield Frame Filler Panel Applique Replacement](#).
8. Install the hood to the vehicle. Refer to [Hood Replacement](#).
9. Install the right and the left air inlet grille panels to the vehicle. Refer to [Air Inlet Grille Panel Replacement](#).
10. Remove tape on body panels.

Door Wiring Harness Replacement

Removal Procedure

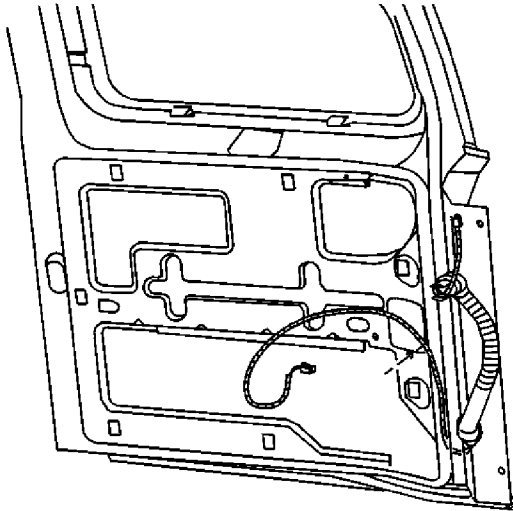


1. Remove the rear door trim panel. Refer to [Rear Door Trim Panel Replacement - Left Side](#) or [Rear Door Trim Panel Replacement - Right Side](#).
2. Remove the electrical connectors (5) from the lock and the rear door speakers, if equipped.
3. Remove the wiring harness retainers (3) from the door.



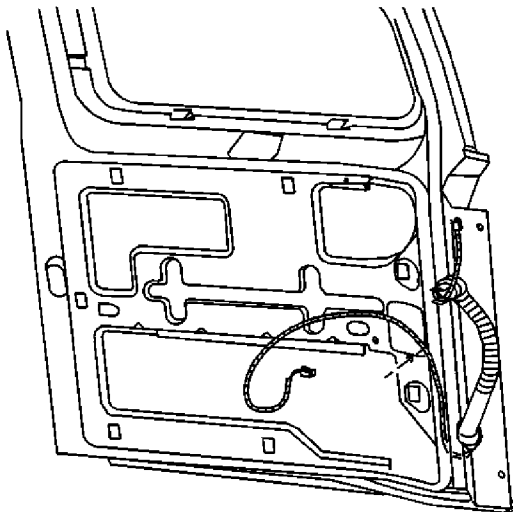
4. Remove the wiring harness conduit from the door.

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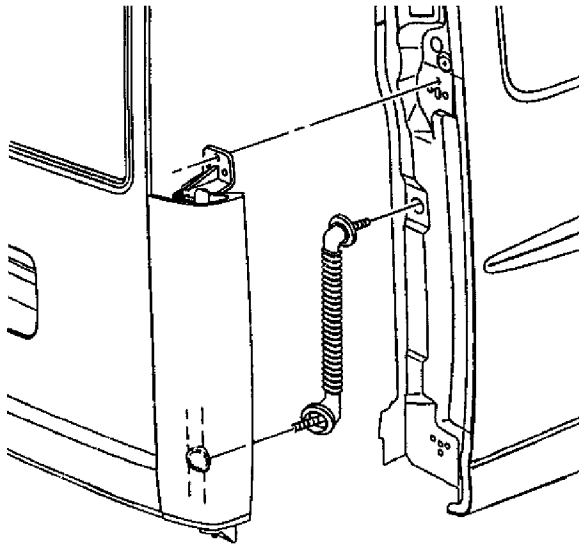


5. Remove the wiring harness from the door.

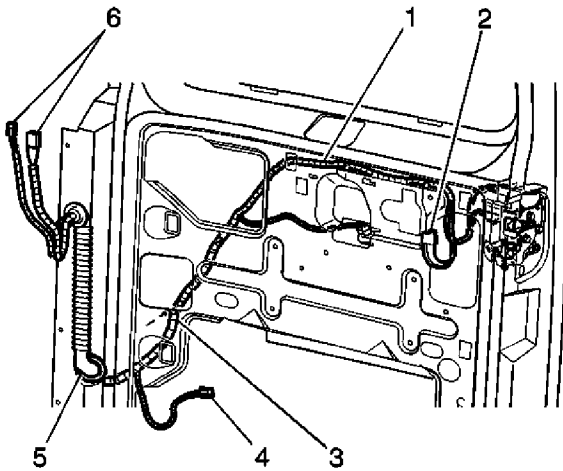
Installation Procedure



1. Install the wiring harness to the door.



2. Install the wiring harness conduit to the door.

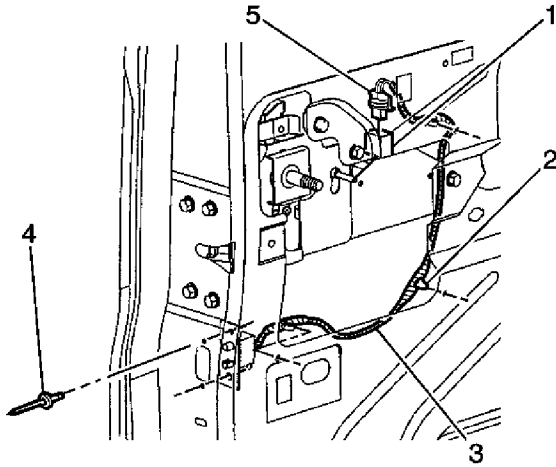


3. Install the wiring harness retainers (3) to the door.
4. Install the electrical connectors (5) to the lock and the rear door speakers, if equipped.
5. Install the rear door trim panel. Refer to [Rear Door Trim Panel Replacement - Left Side](#) or [Rear Door Trim Panel Replacement - Right Side](#).

Sliding Door Wiring Harness Replacement

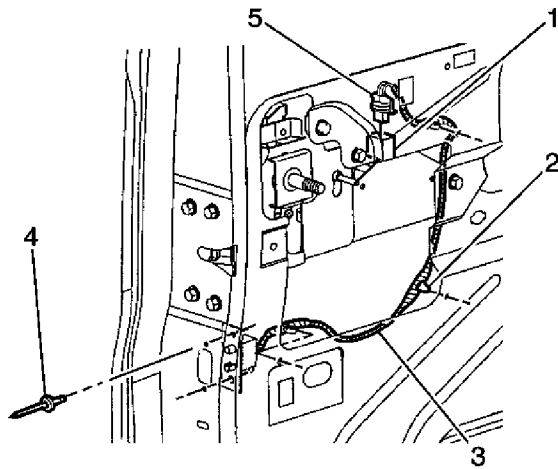
Removal Procedure

1. Remove the sliding side door lower trim panel. Refer to [Sliding Rear Side Door Trim Panel Replacement](#).
2. Disconnect the electrical connector (5) from the sliding side door lock (1).



3. Remove the wiring harness retainers (2) from the sliding side door.
4. Remove the rivets (4), that retain the electrical contacts to the sliding side door, using an appropriate drill and drill bit.
5. Remove the wiring harness (3) from the sliding side door.

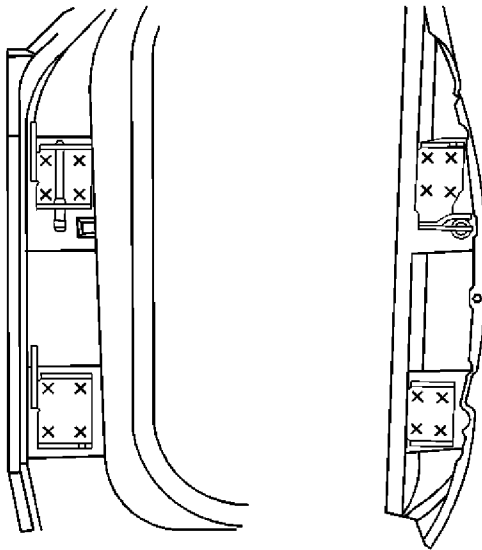
Installation Procedure



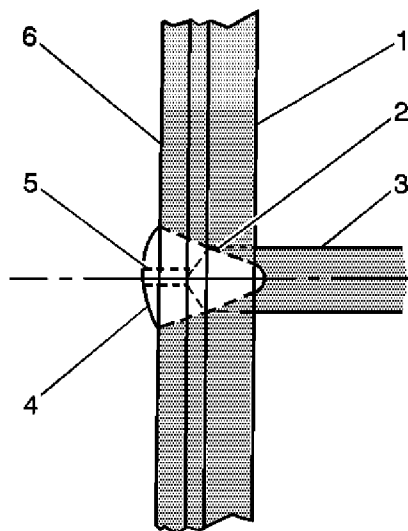
1. Install the wiring harness (3) to the sliding side door.
2. Install the rivets (4), that retain the electrical contacts to the sliding side door, with a rivet gun.
3. Install the wiring harness retainers (2) to the sliding side door.
4. Connect the electrical connector (5) to the sliding side door lock (1).
5. Install the sliding side door lower trim panel. Refer to [Sliding Rear Side Door Trim Panel Replacement](#) .

Front Side Door Upper Hinge and Lower Hinge Replacement

Removal Procedure

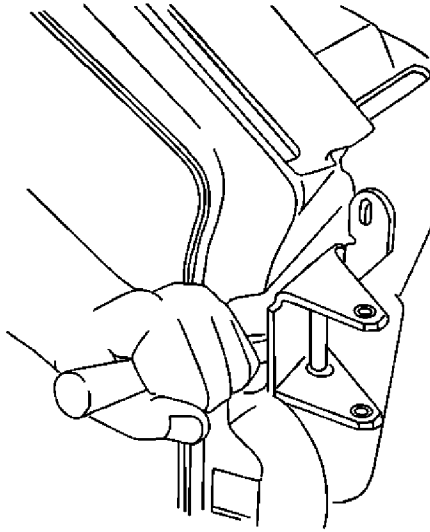


1. Remove the sealer that surrounds the hinge.
2. Scribe the location of the existing hinges on the body pillar or the door.
3. Mark the approximate centers of the mig welds on the hinge base.



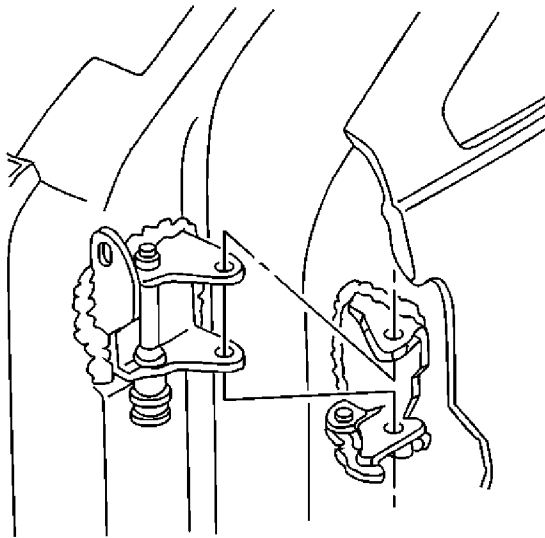
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4. Drill a 3 mm (1/8 in) pilot hole (5) completely through the spot welds (4) at each center punch mark.
5. Drill a 13 mm (1/2 in) hole through the hinge base (6) and the body pillar or the door using the smaller hole as a pilot.



6. A small amount of weld may still retain the hinge base to the body pillar or the door. Drive a chisel between the hinge base and the body pillar or the door in order to separate the hinge from the body pillar or the door.
7. Remove the hinges from the door or the body pillar.

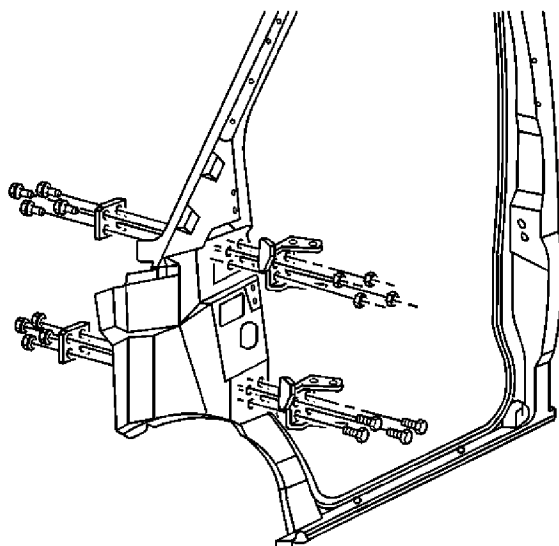
Installation Procedure



1. Deburr the holes on the inside of the hinge pillar or the door in order to insure the proper

seating of the hinge and the backing plate. Inspect the body pillar and the door in order to ensure that the hinge seating zone on the body pillar or the door is flat.

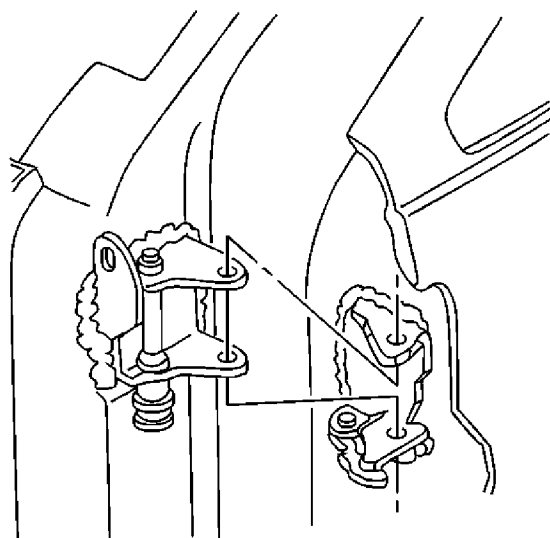
2. Paint the inner and the outer surfaces of the hinge pillar or the door at the hinge mounting zone.
3. Coat the mating surface of the hinge with a medium bodied sealer.



4. Position the bolt-on service replacement hinges within the scribe marks that were made on the body pillar or the door at the time of removal.
5. Install the hinge to the body pillar or the door using the bolts and the tapping plate that is supplied with the service replacement kit.

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

6. Tighten the bolts to the recommended preliminary torque to **5 N·m (44 lb in)**.
7. Install the door to the body. Align the door as required. Do not close the door completely until you make a visual check in order to determine if the lock will correctly engage the striker and tighten to **25 N·m (18 lb ft)**.



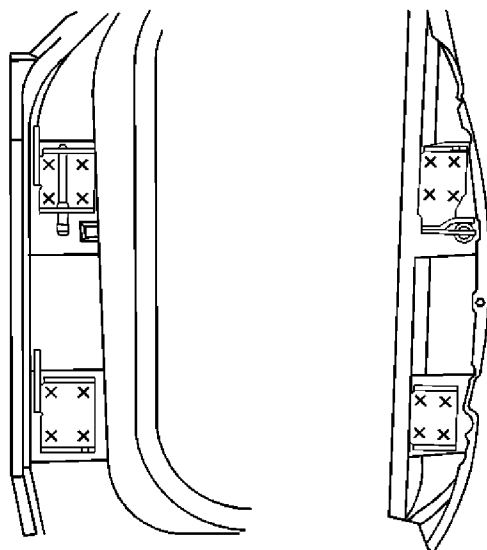


8. Apply the sealer around the hinges.
9. Paint the hinge assembly.

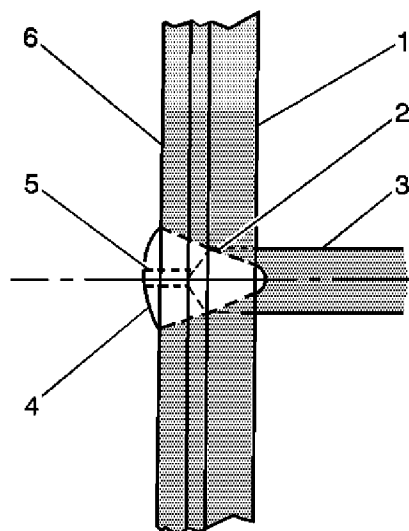
Rear Door Hinge Replacement

Removal Procedure

1. Remove the door from the vehicle. Refer to [Rear Door Replacement - Left Side](#) or [Rear Door Replacement - Right Side](#).



2. Remove the sealer that surrounds the hinge.
3. Scribe the location of the existing hinges on the body pillar or the door.
4. Mark the approximate centers of the mig welds on the hinge base.

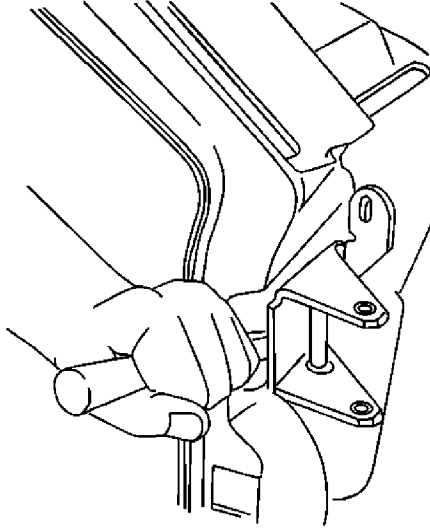


5. Drill a 3 mm (1/8 in) pilot hole (5) completely through the spot welds (4) at each center

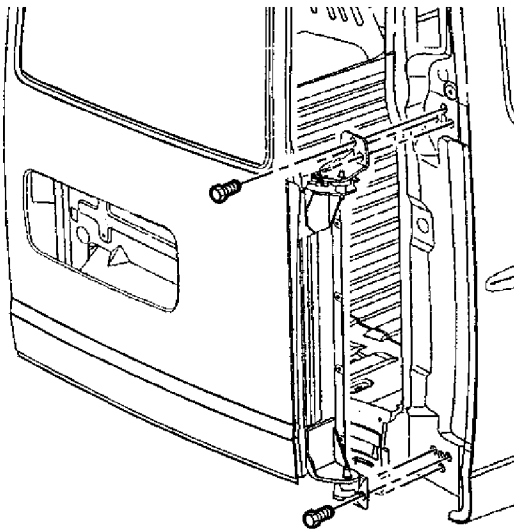
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punch mark.

6. Drill a 13 mm (1/2 in) hole through the hinge base (6) and the body pillar or the door using the smaller hole as a pilot.

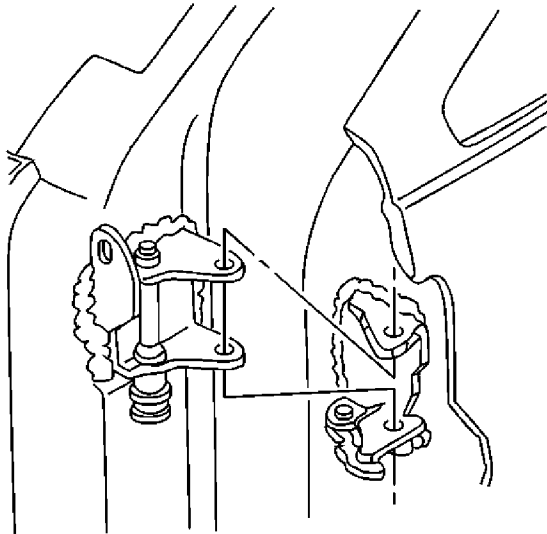


7. A small amount of weld may still retain the hinge base to the body pillar or the door. Drive a chisel between the hinge base and the body pillar or the door in order to separate the hinge from the body pillar or the door.

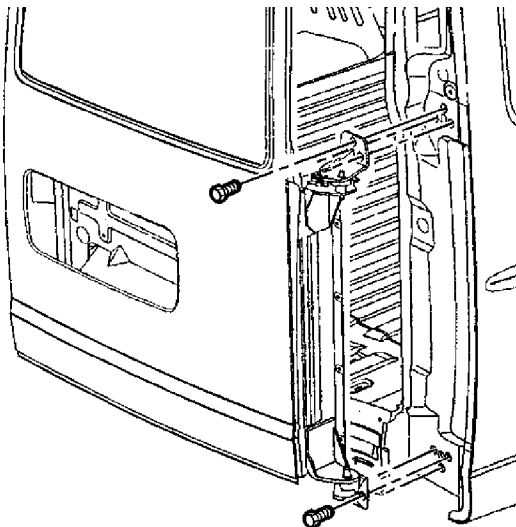


8. Remove the hinges from the door or the body pillar.

Installation Procedure



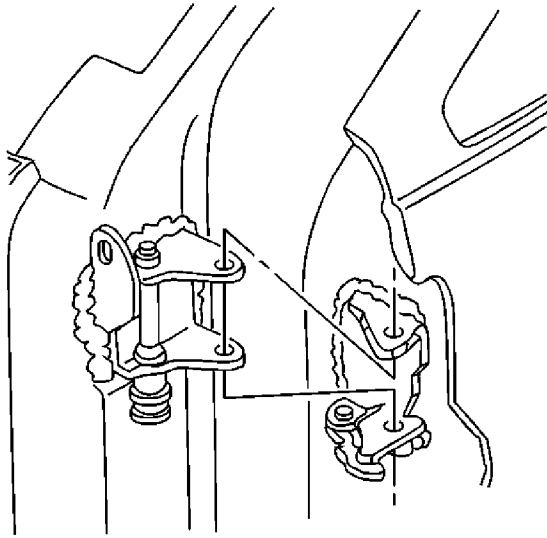
1. Deburr the holes on the inside of the hinge pillar or the door in order to insure the proper seating of the hinge and the backing plate. Inspect the body pillar and the door in order to ensure that the hinge seating zone on the body pillar or the door is flat.
2. Paint the inner and the outer surfaces of the hinge pillar or the door at the hinge mounting zone.
3. Coat the mating surface of the hinge with a medium bodied sealer.



4. Position the bolt-on service replacement hinges within the scribe marks that were made on the body pillar or the door at the time of removal.
5. Install the hinge to the body pillar or the door using the bolts and the tapping plate that is supplied with the service replacement kit.

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

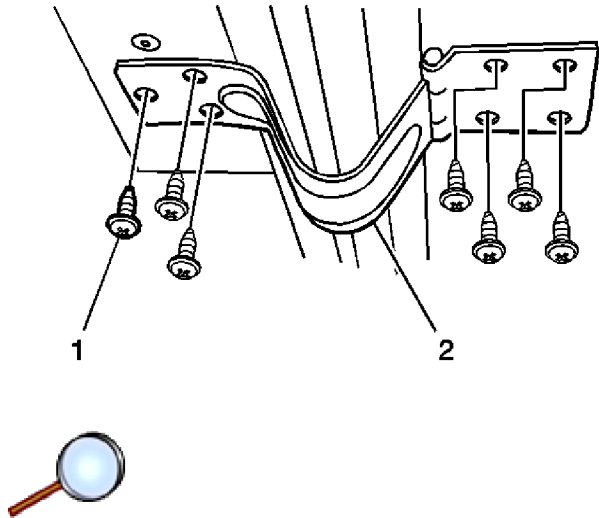
6. Tighten the bolts to the recommended preliminary torque to **5 N·m (44 lb in)**.
7. Install the door to the body. Align the door as required. Do not close the door completely until you make a visual check in order to determine if the lock will correctly engage the striker and tighten to **25 N·m (18 lb ft)**.



8. Apply the sealer around the hinges.
9. Paint the hinge assembly.
10. Install the door to the vehicle. Refer to [Rear Door Replacement - Left Side](#) or [Rear Door Replacement - Right Side](#).

Rear Side Access Door Hinge Replacement

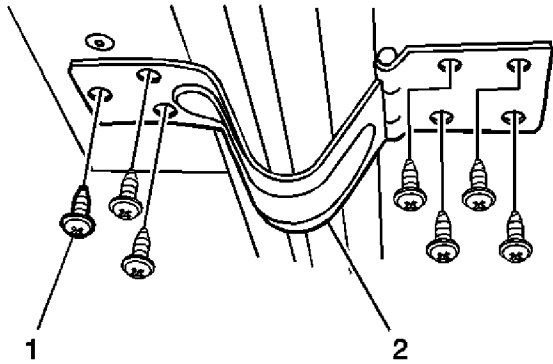
Removal Procedure



Note: When replacing both hinges on the same panel, replace one hinge at a time.

1. With an assistant, remove the screws (1).
2. Remove the hinge (2) from the body and the door.

Installation Procedure

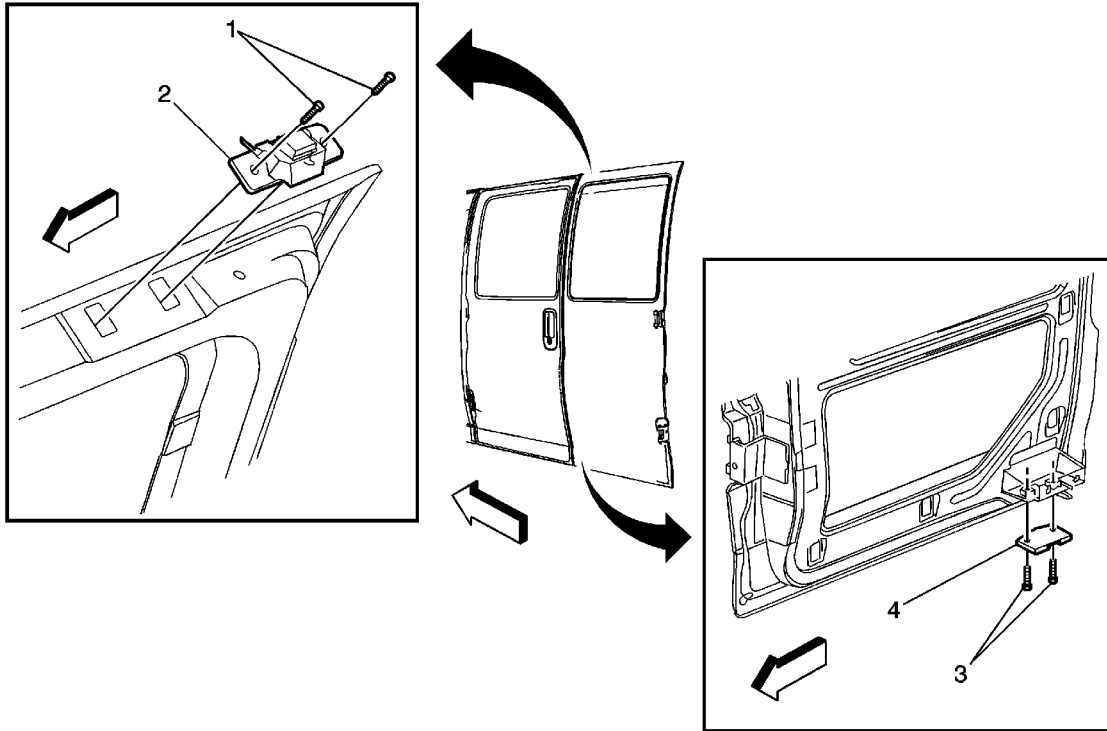


1. With an assistant, install the hinge (2) to the body and the door.

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

2. Install the screws (1) loosely.
3. Align the door.
4. Tighten the screws (1) to **10 N·m (89 lb in)**.

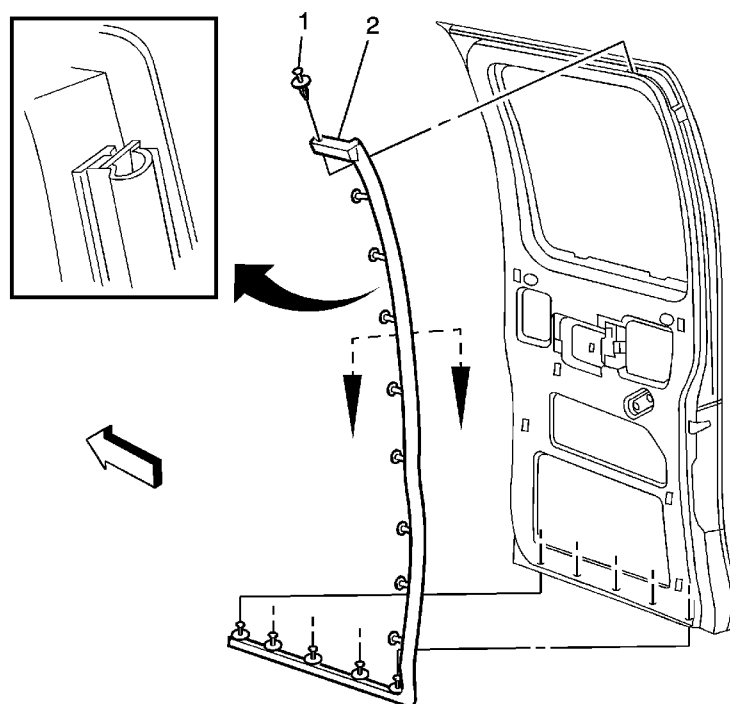
Intermediate Side Door Wedge Replacement - Door Side



Callout	Component Name
1	<p>Intermediate Rear Side Door Upper Wedge Bolts (Qty: 2)</p> <p>Caution: Refer to Fastener Caution in the Preface section.</p> <p>Procedure</p> <ol style="list-style-type: none"> 1. Ensure that the door is properly aligned within the door opening before proceeding with the wedge adjustment. 2. Using a soft marker, mark around the wedge for reference of the original position. Loosen the wedge. 3. Move the wedge to eliminate drag on the door and to achieve the proper door position within the door opening, then position the wedge to achieve proper alignment to the door opening. Set the in/out adjustment for the proper door seal engagement making sure the door closing efforts are correct. <p>Tighten 10 N·m (89 lb in)</p>
2	Intermediate Rear Side Door Upper Wedge

3	<p>Intermediate Rear Side Door Lower Wedge Bolts (Qty: 2)</p> <p>Procedure</p> <ol style="list-style-type: none">1. Ensure that the door is properly aligned within the door opening before proceeding with the wedge adjustment.2. Using a soft marker, mark around the wedge for reference of the original position. Loosen the wedge.3. Move the wedge to eliminate drag on the door and to achieve the proper door position within the door opening, then position the wedge to achieve proper alignment to the door opening. Set the in/out adjustment for the proper door seal engagement making sure the door closing efforts are correct. <p>Tighten 10 N·m (89 lb in)</p>
4	Intermediate Rear Side Door Lower Wedge

Intermediate Side Door Weatherstrip Replacement



Callout	Component Name
	Intermediate Rear Side Door Weatherstrip Retainers (Qty: 15)
1	<p>Procedure</p> <ol style="list-style-type: none"> 1. Remove the weatherstrip from the top of the door. Use 3M Release Agent or the equivalent. 2. Pull the weatherstrip rearward releasing to the retainer from the side of the door. 3. Remove the weatherstrip and the retainers from the bottom of the door. 4. Clean the door of all of the old adhesive and retainers
2	<p>Intermediate Rear Side Door Weatherstrip</p> <p>Procedure</p> <ol style="list-style-type: none"> 1. Install the door weatherstrip to the top of the door. <p>If you are reusing the old weatherstrip, use GM Weatherstrip Adhesive GM P/N 12345097 (Canadian P/N 10953479) or the equivalent, in order to retain the top of the weatherstrip to the door.</p>

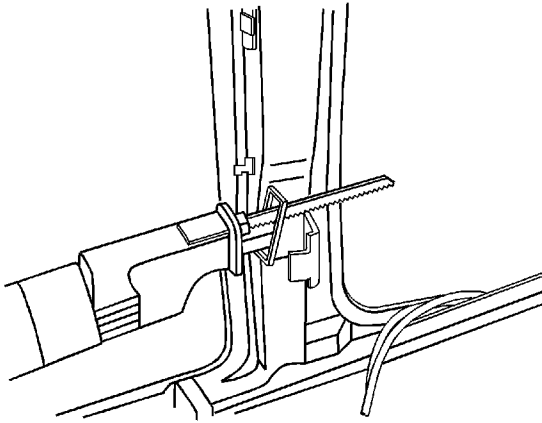
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2. Press the retainers in the door weatherstrip into the holes in the door.

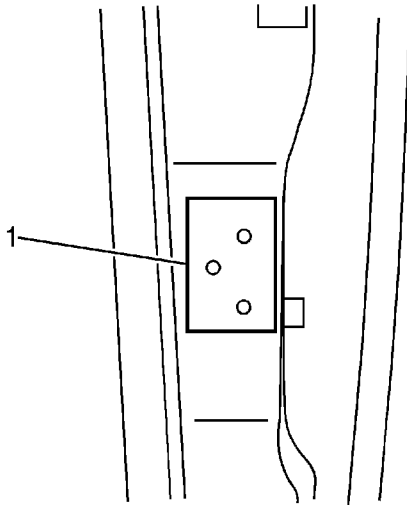
Intermediate Side Door Hinge Replacement - Body Side

Removal Procedure

1. Paint the service hinges body color.
2. For forward most intermediate door (60 door) hinge replacement move the front seat forward, clear of B-pillar.
3. Remove the door that requires hinge replacement. Refer to [Intermediate Side Door Replacement](#).
4. Remove interior trim at pillar. Refer to [Upper Pillar Garnish Molding Replacement](#) , [Lower Pillar Garnish Molding Replacement](#) , or [Center Pillar Upper Garnish Molding Replacement - Right Side](#).

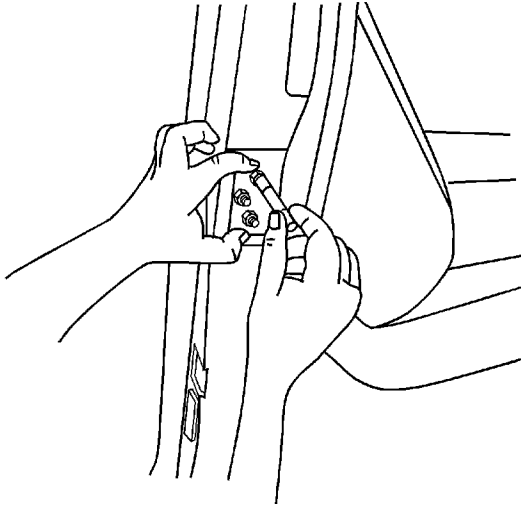


5. Cut the production body side door hinge. Use a reciprocating saw to gain access for drilling.



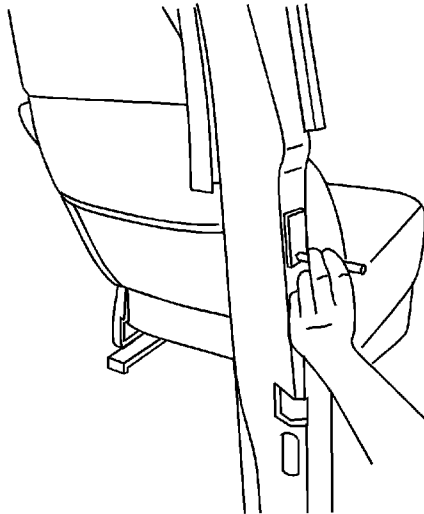


6. Tape around the periphery of the body side hinge to mark the hinge (1) location.

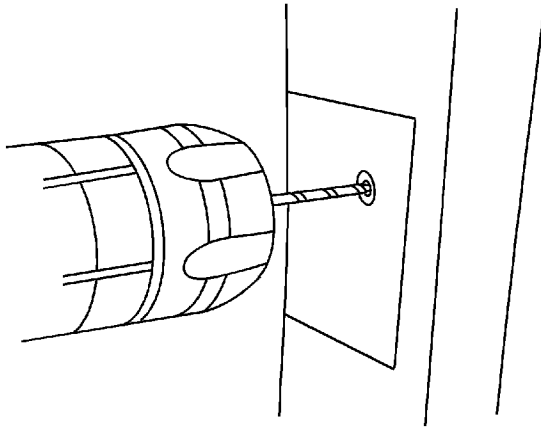


Note: For the forward most intermediate door (60 door), move the backing plate rearward 4 mm (0.16 in) before marking the 3-hole pattern.

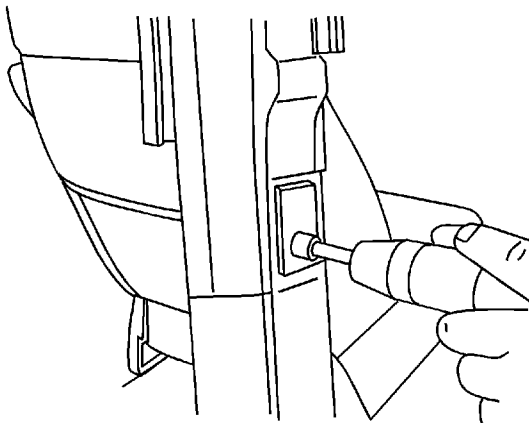
7. Place the service backing plate on the production hinge surface and mark the 3-hole pattern.



8. Center punch the marked 3-hole pattern.

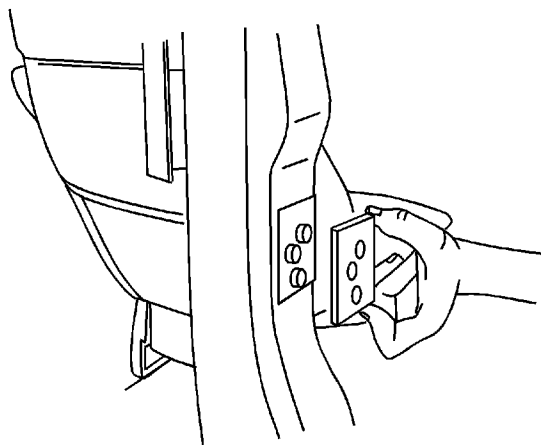


9. Drill pilot holes with a 3 mm (1/8 in) drill bit all the way through the production hinge and body pillar.
10. Protect the interior of the vehicle and the adjacent door interior from potential metal grindings.
11. Lightly sand the body side hinge surface to locate the 3 production welds, look for witness mark.
12. Center punch the 3 production welds for locating drill bit.



13. Using the center punch locations, use a 19 mm (3/4 inch) rota-broach to drill out the remainder of the production hinge without drilling through the body side hinge pillar.
14. Cut the hinge weld nuggets off.
15. Grind the pillar hinge mating surface flush.
16. Using the pilot holes drilled to center the drill bit, drill 13 mm (33/64 in) holes through the pillar.

Installation Procedure



Note: Prior to painting, refer to the publication GM 4901M-D-2000 GM Approved Refinish Materials for recommended products. Do not combine paint systems. Refer to paint manufacturer's recommendations.

1. Paint the bare surface of the pillar hinge mounting area according to GM refinish specification GM 4901M-D-2000.

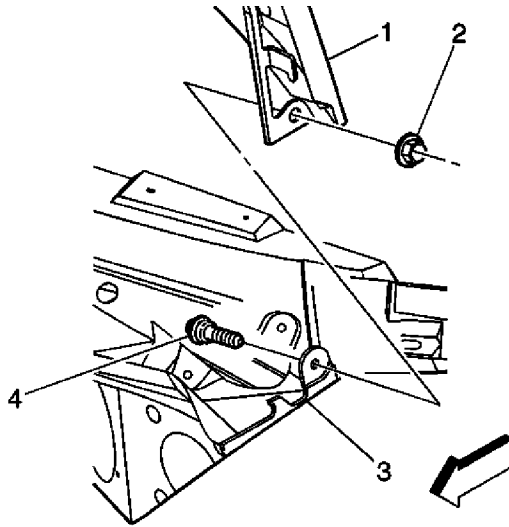
Caution: Refer to [Fastener Caution](#) in the Preface section.

2. Install the service hinge and backing plate and tighten to **23 N·m (17 lb ft)**.
3. Apply clear silicone sealant around the entire edge of the service hinge to prevent water leaks.
4. Install the door. Refer to [Intermediate Side Door Replacement](#).
5. Adjust adjacent front side door striker as necessary to achieve flushness between the two doors. Refer to [Rear Side Door Latch Striker Adjustment - Front](#).
6. Install interior trim at pillar. Refer to [Upper Pillar Garnish Molding Replacement](#) , [Lower Pillar Garnish Molding Replacement](#) , or [Center Pillar Upper Garnish Molding Replacement - Right Side](#).

Hood Replacement

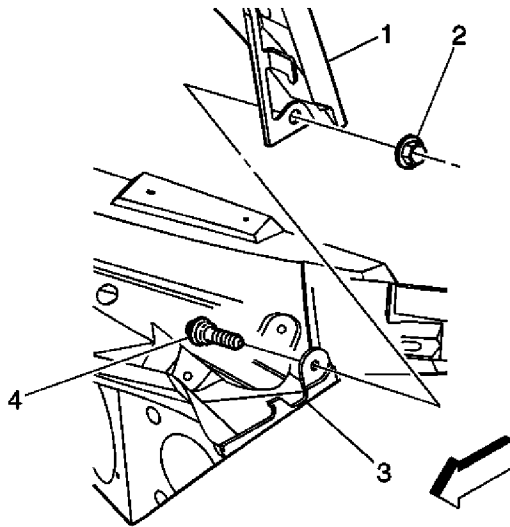
Removal Procedure

1. Place protective covering over adjacent body panels.
2. Remove the wiper arms from the vehicle. Refer to [Windshield Wiper Arm Replacement](#).



3. Open and support the hood.
4. Remove the underhood lamp and the harness from the hood. Refer to [Underhood Lamp Replacement](#).
5. Remove the air inlet grille panels. Refer to [Air Inlet Grille Panel Replacement](#).
6. Remove the pivot bolts (4) and the nuts (2) from the hinge (1).
7. With an assistant, remove the hood from the vehicle.

Installation Procedure



1. With an assistant, install the hood to the vehicle.

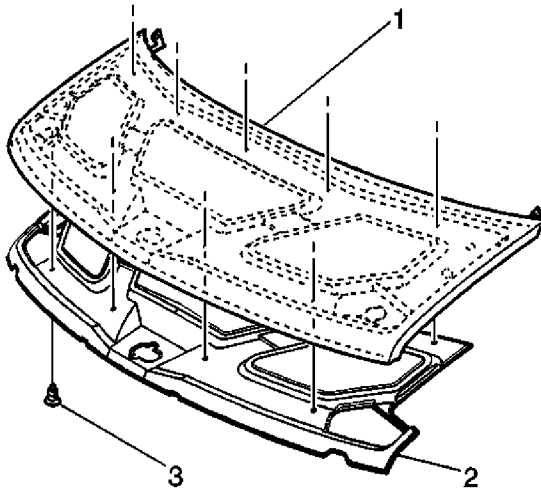
Caution: Refer to [Fastener Caution](#) in the Preface section.

2. Install the hinge pivot bolt (4) and nuts (2) to the hinge (1) and tighten to **25 N·m (18 lb ft)**.
3. Install the underhood lamp and the harness to the hood. Refer to [Underhood Lamp Replacement](#).
4. Install air inlet grille panels. Refer to [Air Inlet Grille Panel Replacement](#).
5. Install the wiper arms to the vehicle. Refer to [Windshield Wiper Arm Replacement](#).

Hood Insulator Replacement

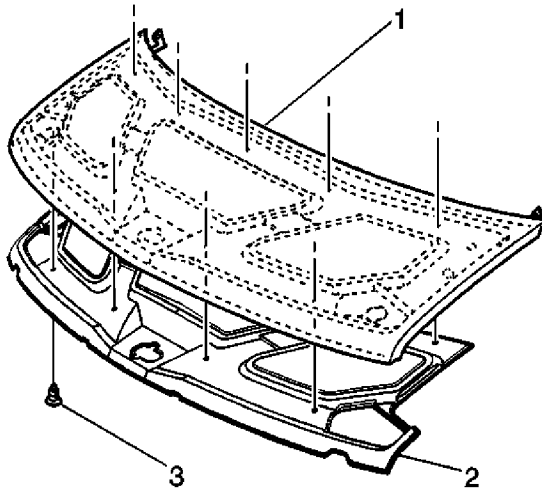
Removal Procedure

1. Raise and support the hood.
2. Disconnect the electrical connector for the underhood lamp.
3. Remove the underhood lamp harness and the retainers from the hood. Refer to [Underhood Lamp Replacement](#) .



4. Remove the hood insulator retainers.
5. Remove the insulator from the hood (1).

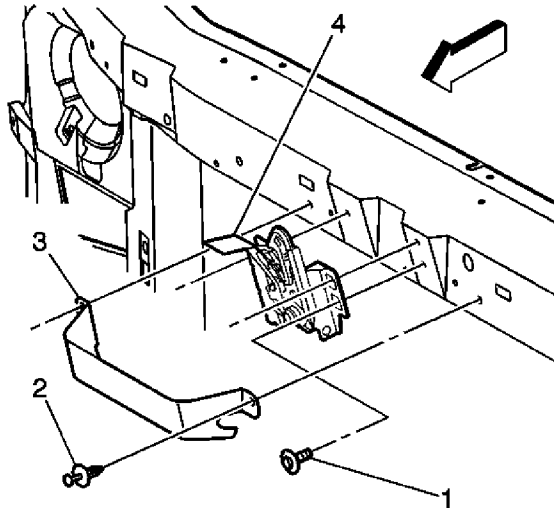
Installation Procedure



1. Install the insulator (2) to the hood (1).
2. Install the hood insulator retainers.
3. Install the retainers holding the underhood lamp and harness to the hood. Refer to [Underhood Lamp Replacement](#).
4. Connect the electrical connector to the underhood lamp.
5. Close the hood.

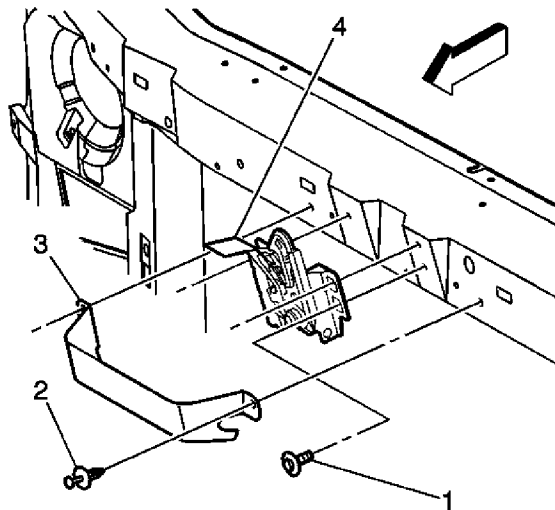
Hood Primary and Secondary Latch Replacement

Removal Procedure



1. Raise and support the hood.
2. Mark the location of the hood latch and the fasteners.
3. Remove the bolts retaining the hood latch to the radiator support (2).
4. Remove the hood latch from the radiator support.
5. Remove the hood release cable from the hood latch (4).

Installation Procedure



1. Install the hood release cable to the hood latch (4).
2. Install the hood latch to the radiator support (2).
3. Install the bolts retaining the hood latch to the radiator support.

Do not tighten the bolts.

4. Align the hood latch and the fasteners with the marks made prior to the removal.
5. Use the following procedure in order to adjust the hood latch:
 - 5.1. Adjust the hood latch to the left or to the right until the striker in the hood easily engages the latch.
 - 5.2. Adjust the hood latch height.
 - 5.3. Adjust the front hood bumpers in order to ensure that the top of the hood is flush with the fenders.

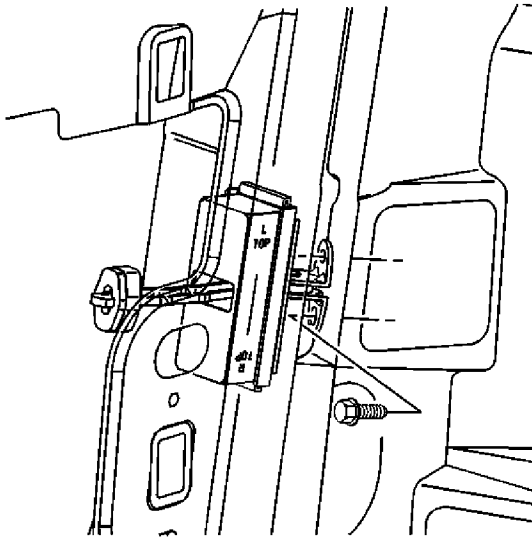
Caution: Refer to [Fastener Caution](#) in the Preface section.

6. Tighten the bolts retaining the hood latch to the radiator support and tighten to **15 N·m (11 lb ft)**.
7. Close the hood.

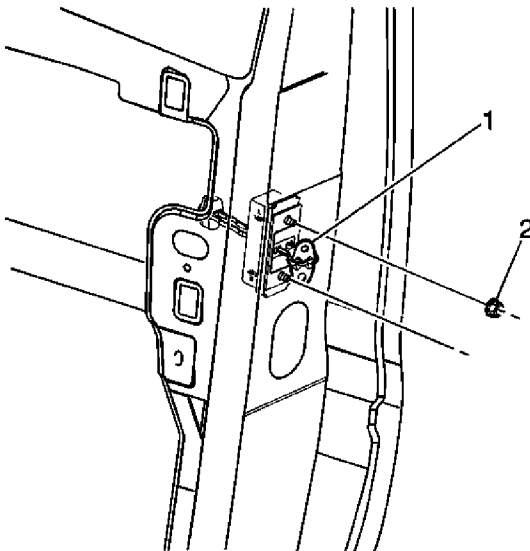
Front Side Door Check Link Replacement

Removal Procedure

1. Remove the front door trim panel. Refer to [Front Side Door Trim Panel Replacement](#).
2. Remove the front door water deflector. Refer to [Front Side Door Water Deflector Replacement](#).



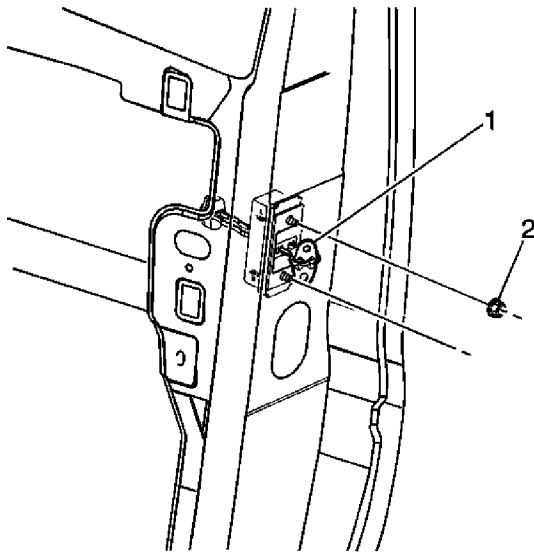
3. Remove the bolts that retain the door link to the door jamb.



4. Remove the nuts (2) that retain the door link (1) to the door.
5. Remove the door link (1) from the door.

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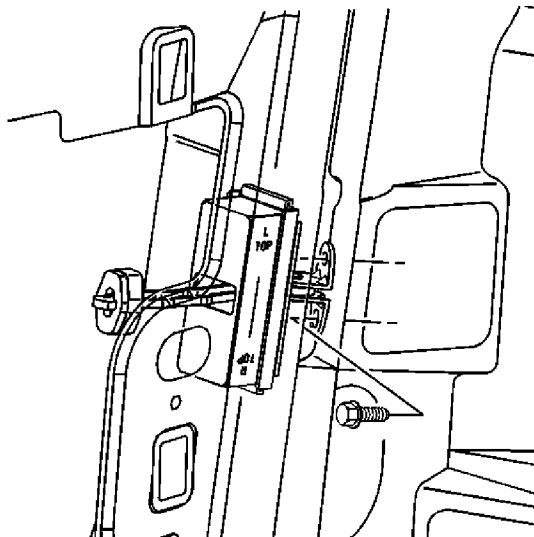
Installation Procedure



1. Install the door link (1) to the door.

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

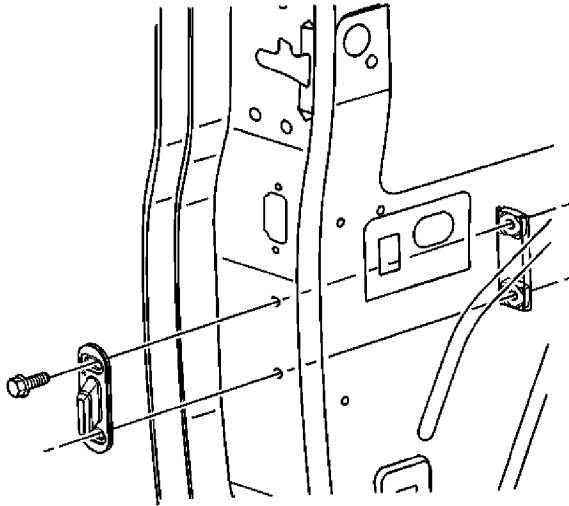
2. Install the nuts (2) in order to retain the door link (1) to the door and tighten to **11 N·m (97 lb in)**.



3. Install the bolts in order to retain the door link to the door jamb and tighten to **11 N·m (97 lb in)**.
4. Install the front door water deflector. Refer to [Front Side Door Water Deflector Replacement](#).
5. Install the front door trim panel. Refer to [Front Side Door Trim Panel Replacement](#).

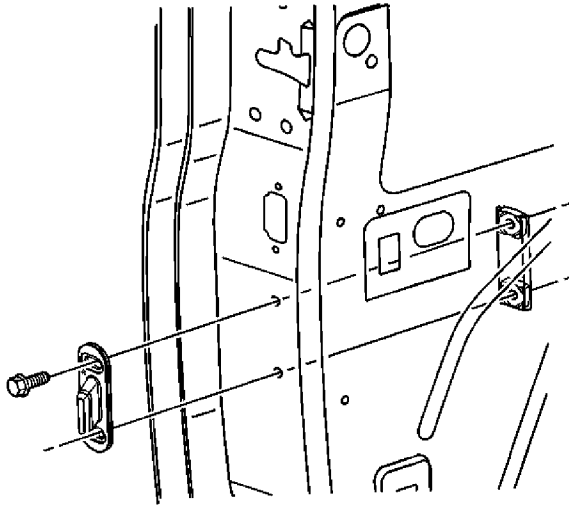
Sliding Rear Side Door Locator and Door Side Wedge Replacement (Locator)

Removal Procedure



1. Remove the sliding side door locator mounting bolts.
2. Remove the locator from the sliding door.

Installation Procedure



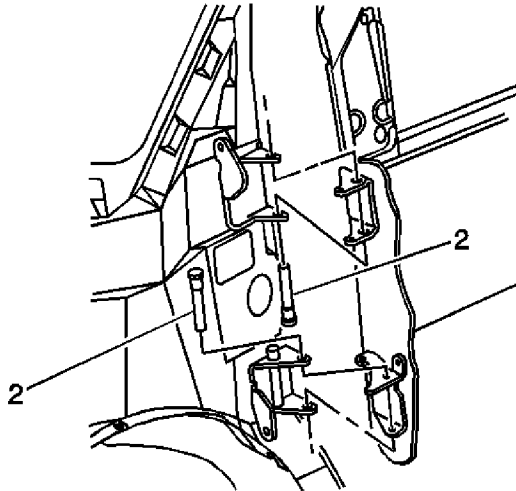
1. Install the locator to the sliding side door.

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

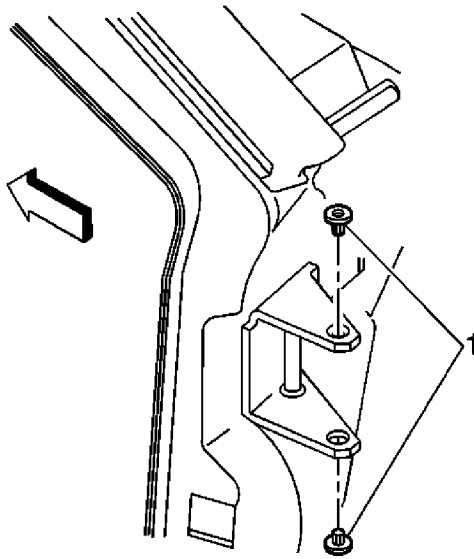
2. Install the sliding side door locator mounting bolts and tighten to **10 N·m (89 lb in)**.

Front Side Door Hinge Pin and Bushing Replacement

Removal Procedure

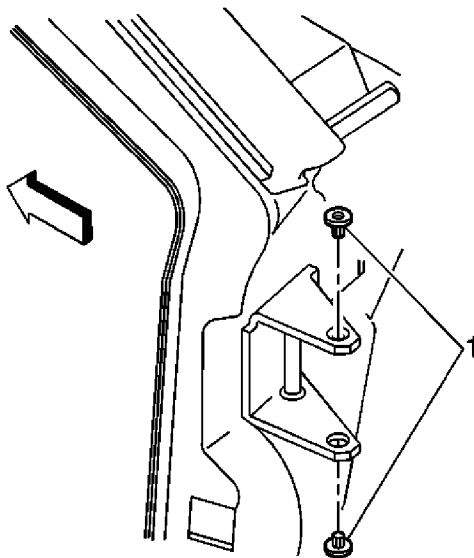


1. Remove the hinge pin retainers from the hinge pins (2).
2. Grasp the lower hinge pin with a pair of locking pliers.
3. Use a soft-faced hammer in order to drive out the lower hinge pin.
4. Install a bolt through the lower hinges in order to temporarily hold the door in place.
5. Grasp the upper hinge pin (2) with a pair of locking pliers in order to remove the upper hinge pin.
6. Use a soft-faced hammer in order to drive out the upper hinge pin (2).
7. Remove the bolt from the lower hinge pin hole.
8. With an assistant, remove the door from the vehicle.

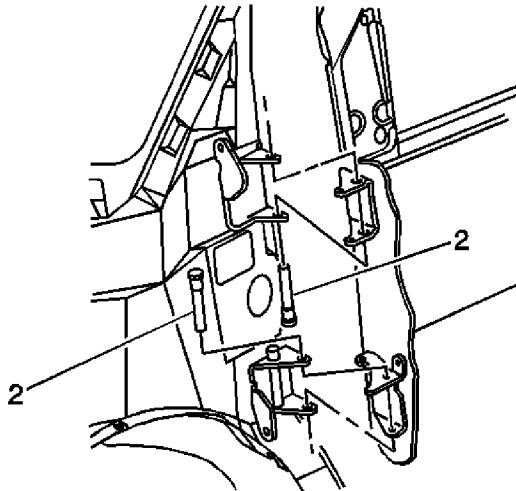


9. Remove the upper hinge pin bushings by using a suitable tool in order to remove the bushings (1) from the door.
10. Remove the lower hinge pin bushings by using a suitable tool in order to remove the bushings (1) from the body.

Installation Procedure



1. Install the lower hinge pin bushings using a suitable tool in order to install the bushings (1) to the body.
2. Install the upper hinge pin bushings in using a suitable tool in order to install the bushings (1) to the door.



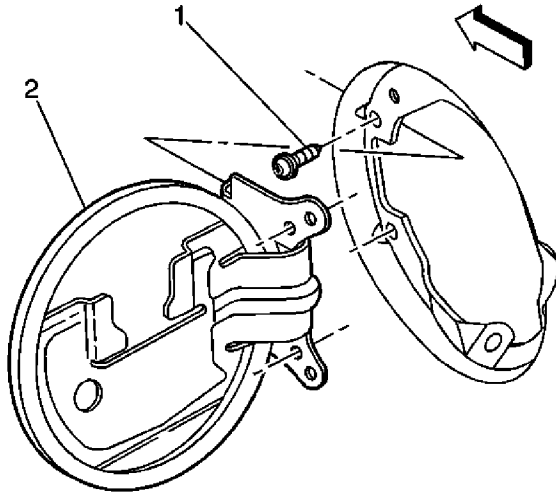
3. With an assistant, install the door to the vehicle.
4. Install a bolt through the lower hinges in order to temporarily hold the door in place.
5. Drive the upper hinge pin with the pointed end up (2) into the upper hinge using a soft-faced hammer.
6. Remove the temporary bolt from the lower hinge.

Drive the lower hinge pin with the pointed end down (2) into the lower hinge using a soft-faced hammer .

7. Install the hinge pin retainers to the hinge pins.

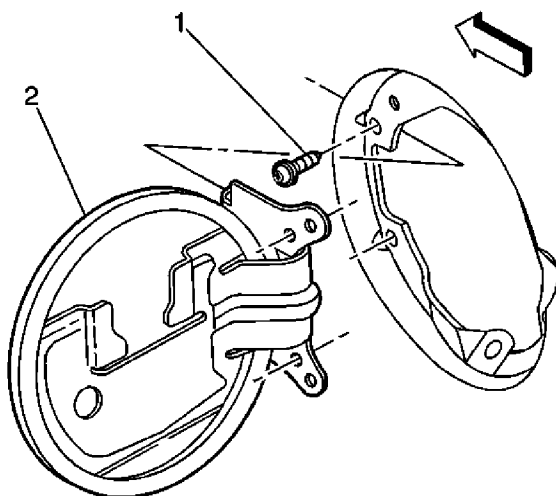
Fuel Tank Filler Door Replacement

Removal Procedure



1. Remove the screws (1) that retain the fuel filler door to the body.
2. Remove the fuel filler door (2) from the body.

Installation Procedure





1. Position the fuel filler door (2) to the body.

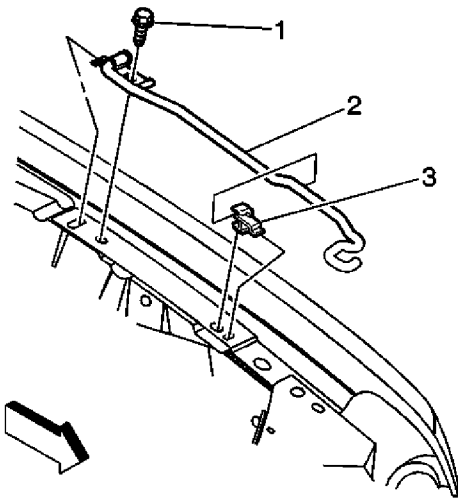
Caution: Refer to [Fastener Caution](#) in the Preface section.

2. Install the fuel filler door retaining screws (1) to the body and tighten to **5 N·m (44 lb in)**.

Hood Hold-Open Rod Replacement

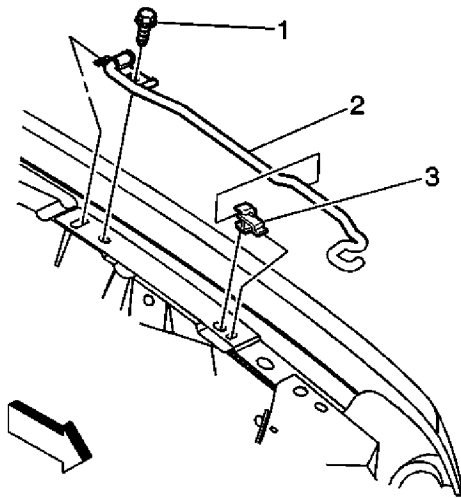
Removal Procedure

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



1. Raise and support the hood.
2. Remove the bolt (1) retaining the hood support rod (2) to the vehicle.
3. Remove the support rod (2) from the vehicle.

Installation Procedure



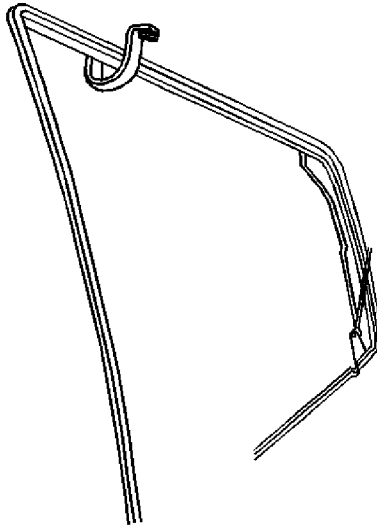
1. Install the support rod (2) to the vehicle.

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

2. Install the bolt (1) in order to retain the hood support rod to the vehicle and tighten to **11 N·m (97 lb in)**.
3. Remove the alternate support.
4. Close the hood.

Cargo Door Seal Replacement

Removal Procedure

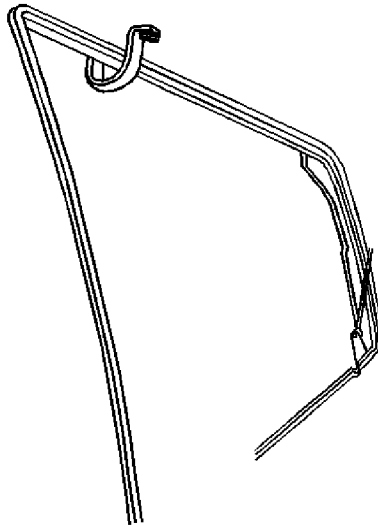


1. Open the cargo door.
2. Pull the cargo door seal from the cargo door opening pinch-weld flange.
3. Clean all the adhesive from the cargo door opening pinch-weld flange using GM P/N 8984 adhesive remover or equivalent.

Installation Procedure

Important: A mastic sealer glue is inside of new cargo door seal. If a new seal is being installed, weatherstrip adhesive should not be used.

If the cargo door seal is reused, weatherstrip adhesive should be used.



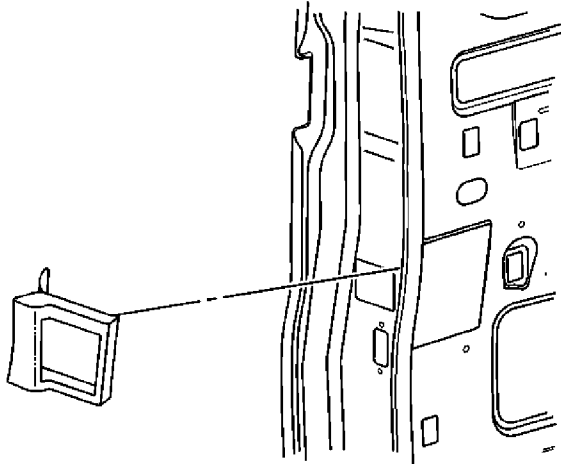
1. Guide the seal through the opening between the body and the hinges.
2. Install the cargo door seal starting at the top center of the liftgate opening. Position the liftgate seal to the pinch-weld flange and working down the right and left sides towards the bottom center.
3. Install the butt joint seam at the center of the bottom pinch-weld flange.
4. Use a rubber mallet to ensure full engagement of the cargo door seal to the pinch-weld flange.

Important: Be sure that the seal is not kinked at the corners of the door openings.

5. Cut slots as necessary to provide clearance for body structure reinforcements.
6. Close the cargo door.

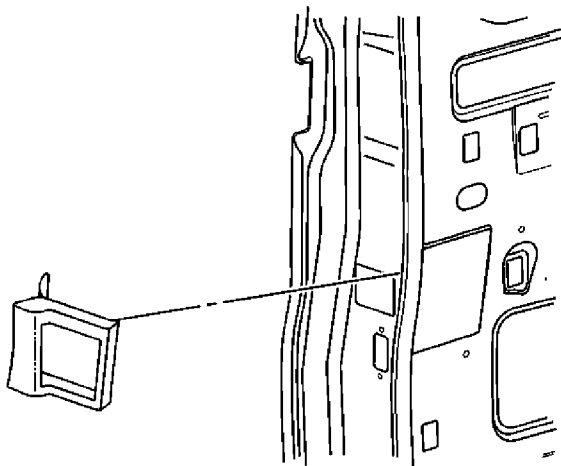
Front Side Door Check Strap Seal Replacement

Removal Procedure



1. Use 3M General Purpose Adhesive Cleaner 3M P/N 08987 or the equivalent in order to remove the side front door check strap seal from the door.
2. Clean the side front door of all of the old adhesive.

Installation Procedure

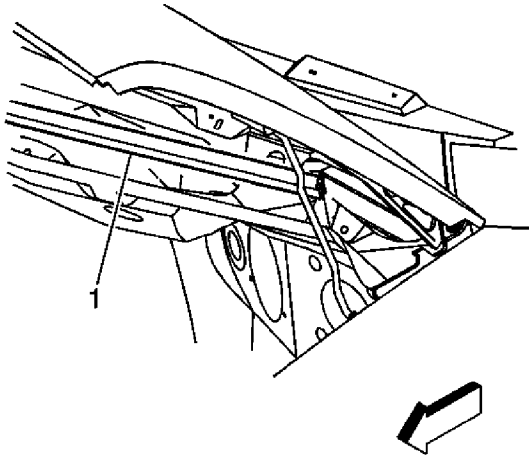




1. If you are reusing the check strap seal, apply weatherstrip adhesive to the check strap seal. Use GM Weatherstrip Adhesive GM P/N 12345097 (Canadian P/N 10953479), or the equivalent.
2. Install the side front door check strap seal to the door.

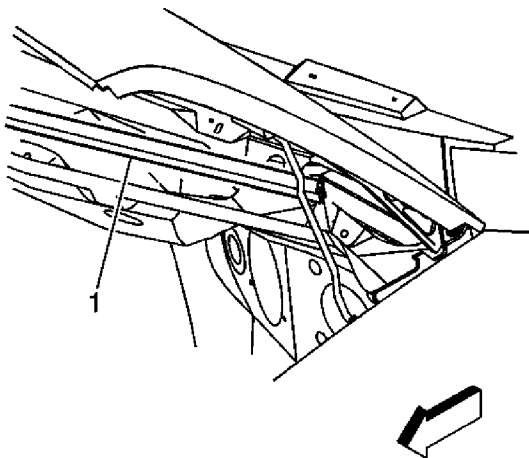
Hood Rear Seal Replacement

Removal Procedure



1. Pull up on the rear hood seal (1).
2. Remove the rear hood seal (1) from the cowl pinch-weld flange.

Installation Procedure

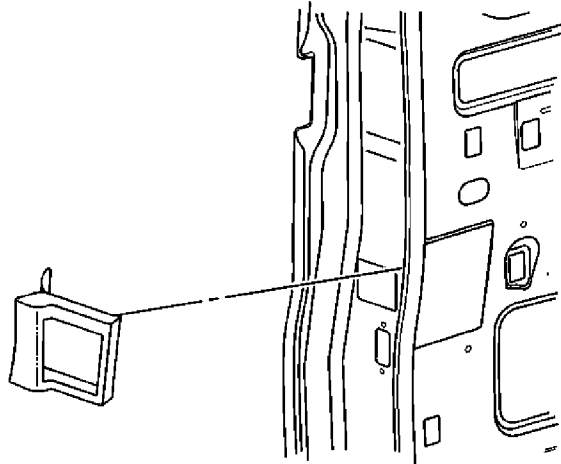




1. Align the slot in the rear hood seal (1) with the cowl pinch-weld flange.
2. Press the rear hood seal (1) into place.

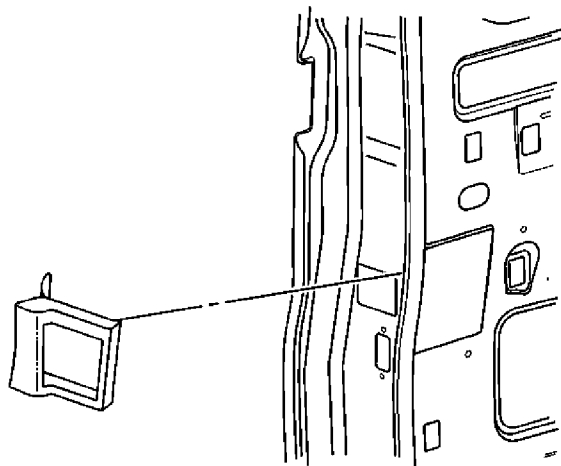
Intermediate Side Door Check Seal Replacement

Removal Procedure



1. Use 3M General Purpose Adhesive Cleaner 3M P/N 08987 or the equivalent in order to remove the side front door check strap seal from the door.
2. Clean the side rear door of all of the old adhesive.

Installation Procedure

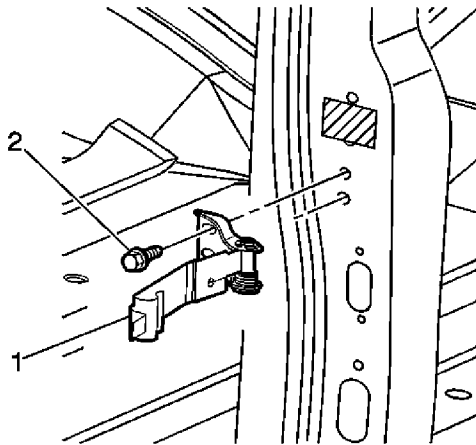




1. If you are reusing the check strap seal, apply weatherstrip adhesive to the check strap seal. Use GM Weatherstrip Adhesive GM P/N 12345097 (Canadian P/N 10953479), or the equivalent.
2. Install the side rear door check strap seal to the door.

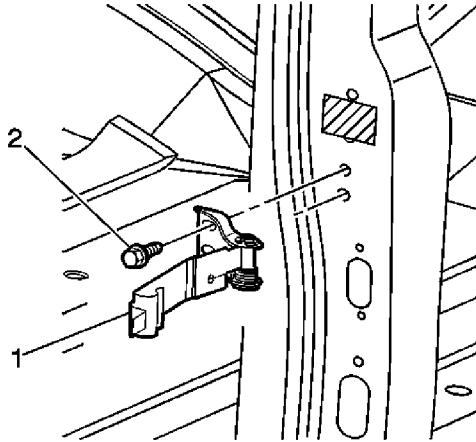
Front Side Door Check Strap Replacement

Removal Procedure



1. Open the door approximately half way.
2. Pull the side door check strap (1) toward the inside of the door.
3. Swing the door open.
4. Remove the fasteners (2) that retain the side door check strap (1) to the door pillar.
5. Remove the side door check strap (1) from the door.

Installation Procedure



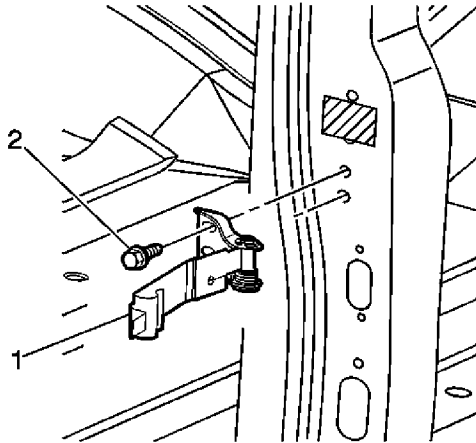
1. Install the side door check strap (1) into the door.
2. Hook the strap (1) to the pin inside of the door. Pull the strap (1) in order engage the pin.

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

3. Install the fasteners (2) in order to retain the side door check strap (1) to the door pillar and tighten to **10 N·m (89 lb in)**.

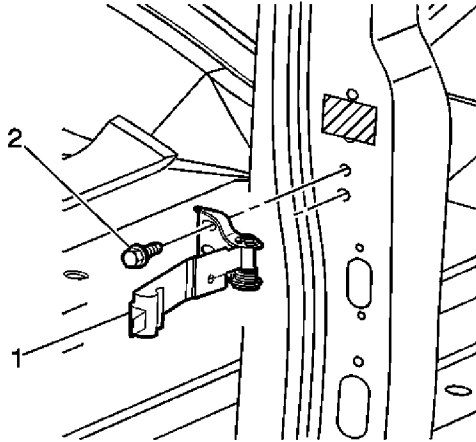
Rear Side Door Check Strap Replacement

Removal Procedure



1. Open the door approximately half way.
2. Pull the side door check strap (1) toward the inside of the door.
3. Swing the door open.
4. Remove the fasteners (2) that retain the side door check strap (1) to the door pillar.
5. Remove the side door check strap (1) from the door.

Installation Procedure

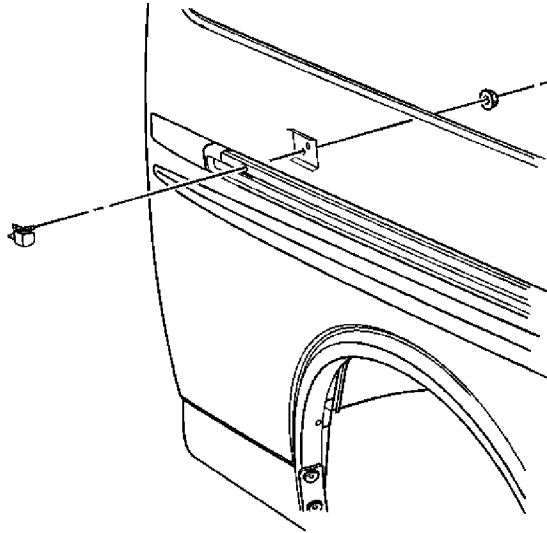


1. Install the side door check strap (1) into the door.
2. Hook the strap (1) to the pin inside of the door. Pull the strap (1) in order engage the pin.

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

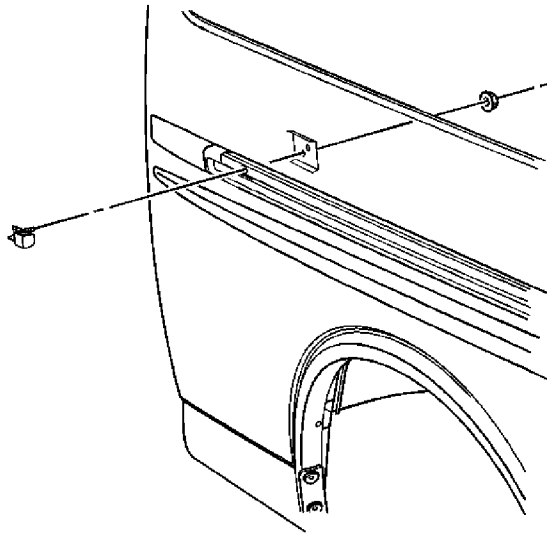
3. Install the fasteners (2) in order to retain the side door check strap (1) to the door pillar and tighten to **10 N·m (89 lb in)**.

Rear Side Door Center Track Bumper Replacement Removal Procedure



1. Remove the passenger side body side trim panel. Refer to [Body Side Trim Panel Replacement - Right Side](#).
2. Remove the nut that retains the sliding door stop to the body.
3. Remove the sliding door stop from the vehicle.

Installation Procedure



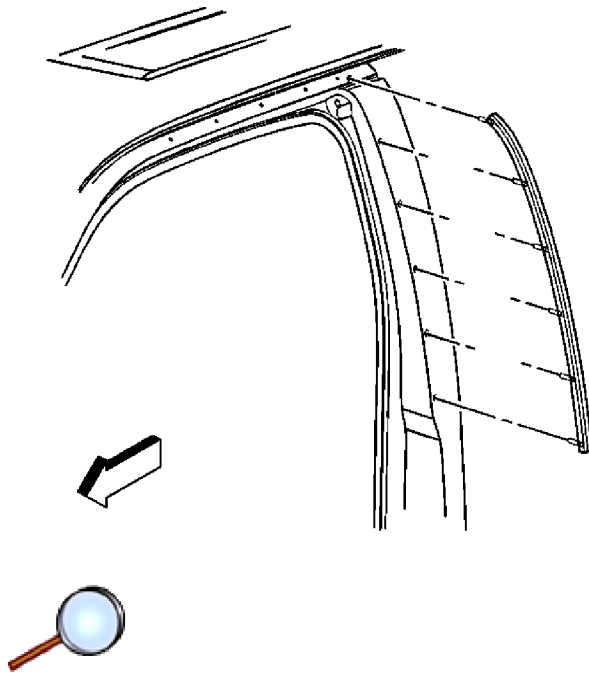
1. Install the sliding door stop to the vehicle.

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

2. Install the nut in order to retain the sliding stop to the body and tighten to **25 N·m (18 lb ft)**.
3. Install the passenger side body side trim panel. Refer to [Body Side Trim Panel Replacement - Right Side](#).

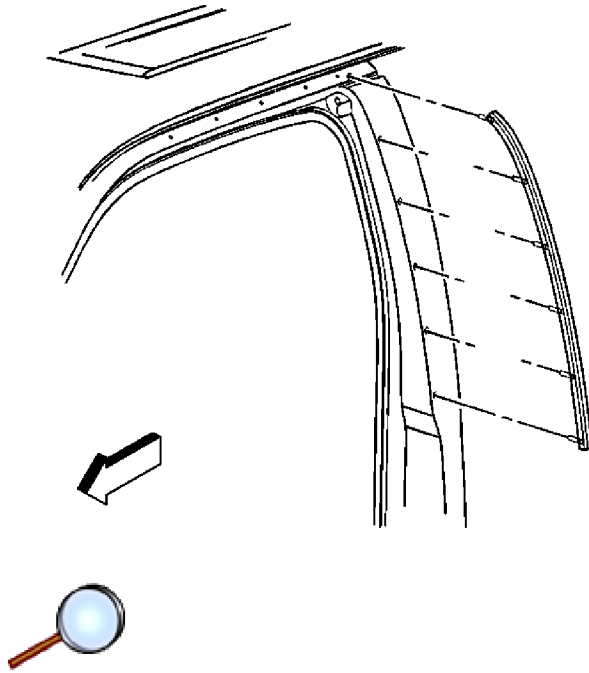
Front Side Door Upper Auxiliary Sealing Strip Replacement

Removal Procedure



1. Remove the weatherstrip from the door pillar by gently pulling on the weatherstrip.
2. Remove the weatherstrip retainers from the holes in the door pillar.

Installation Procedure

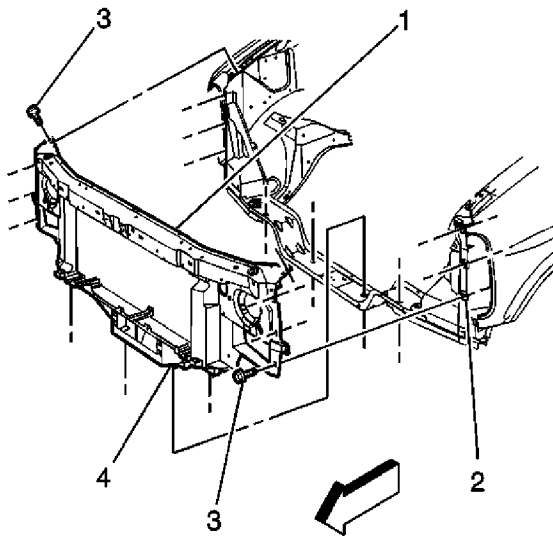


1. Install the weatherstrip to the pillar.
2. Press the retainers in the weatherstrip into the holes in the door pillar.

Radiator Support Replacement

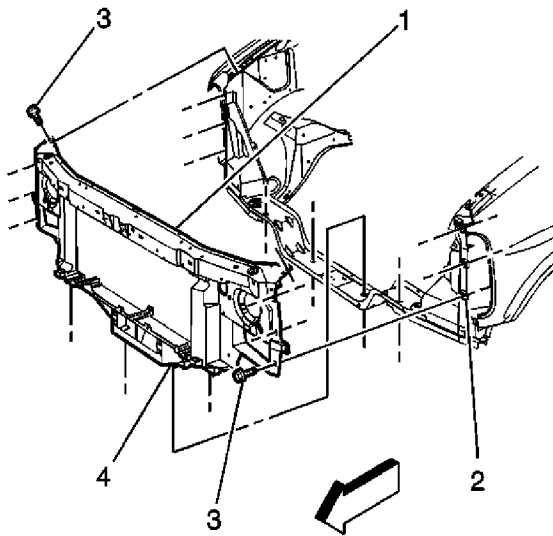
Removal Procedure

1. Disconnect the battery negative cable. Refer to [Battery Negative Cable Disconnection and Connection](#).
2. Remove the radiator from the vehicle. Refer to [Radiator Replacement](#).
3. Remove the grille. Refer to [Grille Replacement](#).
4. Remove the headlamp and the parking lamp connectors and the harnesses from the radiator support.
5. Remove the headlamp assemblies. Refer to [Sealed Beam Headlamp Replacement](#) or [Headlamp Capsule Replacement](#).
6. Remove the wiring harnesses from the clips at the front of the support and the back of the support.
7. Remove the ground wires from the support.
8. Remove the primary hood latch cable from the sheet metal support and the latch. Refer to [Hood Primary and Secondary Latch Replacement](#).
9. Remove the fuel vapor canister and the lines from the radiator support.
10. Remove the air conditioning condenser and the lines, if equipped. Refer to [Air Conditioning Condenser Replacement](#).



11. Remove the forward lamp harness from the radiator support (1).
12. Remove the bolts (3) retaining the radiator support (1) to the vehicle.
13. Remove the radiator support (1) from the vehicle.

Installation Procedure



1. Install the radiator support (1) to the vehicle.

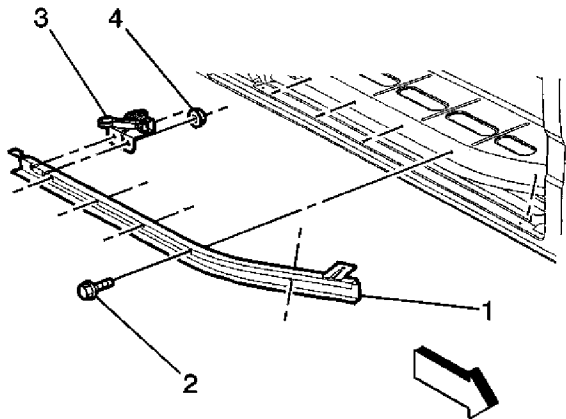
Caution: Refer to [Fastener Caution](#) in the Preface section.

2. Install the bolts (3) in order to retain the radiator support (1) to the vehicle and tighten to **25 N·m (18 lb ft)**.
3. Install the forward lamp harness to the radiator support (1).
4. Install the radiator to the radiator support. Refer to [Radiator Replacement](#).
5. Install the air conditioning condenser to the radiator support (1). Refer to [Air Conditioning Condenser Replacement](#).
6. Install the fuel vapor canister and the lines to the radiator support.
7. Install the headlamps. Refer to [Sealed Beam Headlamp Replacement](#) or [Headlamp Capsule Replacement](#).
8. Install the primary hood latch bracket to the sheet metal support. Refer to [Hood Primary and Secondary Latch Replacement](#).
9. Install the ground wires to the support.
10. Install the wiring harnesses into the clips on the front and the back of the support.
11. Install the headlamp connectors and the parking lamp connectors to the lamps.
12. Install the grille. Refer to [Grille Replacement](#).
13. Install the radiator. Refer to [Radiator Replacement](#).
14. Connect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).

Rear Side Door Lower Track Replacement

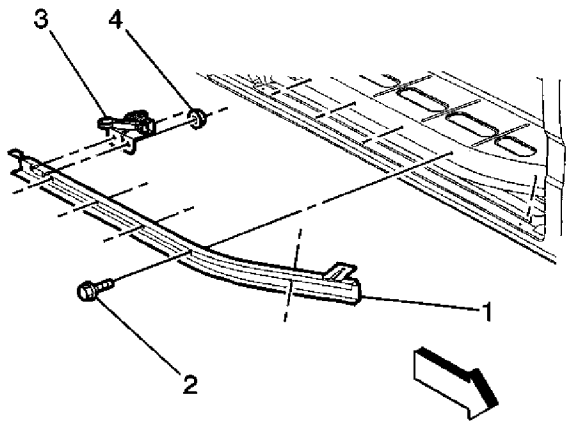
Removal Procedure

1. Remove the sliding side door check assembly. Refer to [Rear Side Door Check Replacement](#).
2. Remove the sliding side door lower roller bracket. Refer to [Rear Side Door Lower Roller Bracket Replacement](#).



3. Remove the bolts (2) that retain the sliding side door lower track (1) to the vehicle.
4. Remove the sliding side door lower track (1) from the vehicle.

Installation Procedure



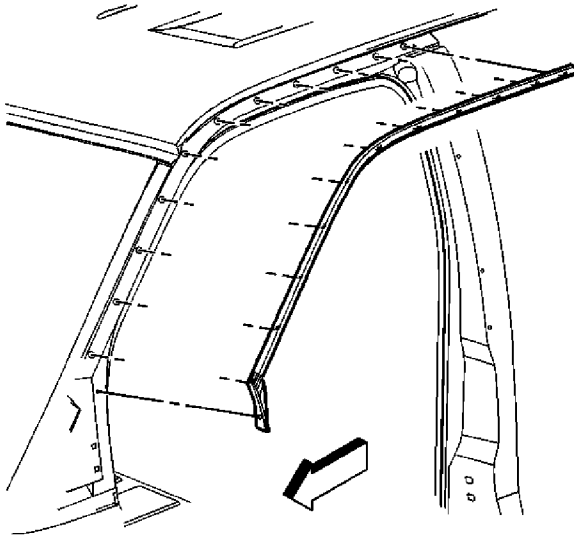
1. Install the sliding side door lower track (1) to the vehicle.

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

2. Install the bolts (2) that retain the sliding side door lower track (1) to the vehicle and tighten to **11 N·m (97 lb in)**.
3. Install the sliding side door lower roller bracket. Refer to [Rear Side Door Lower Roller Bracket Replacement](#).
4. Install the sliding side door check assembly. Refer to [Rear Side Door Check Replacement](#).

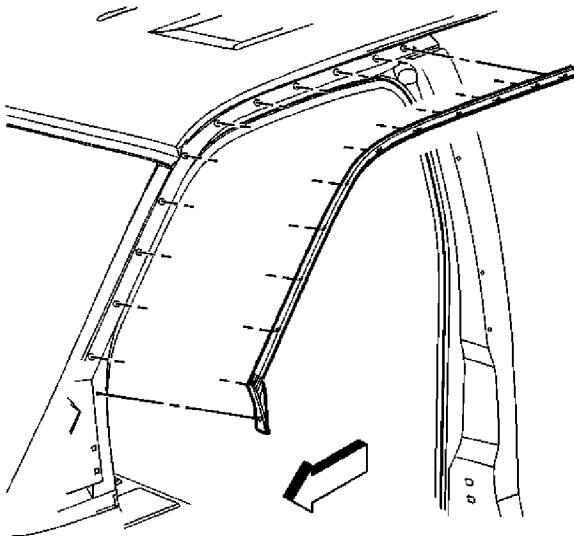
Front Side Door Roof Drip Weatherstrip Replacement

Removal Procedure



1. Remove the weatherstrip from the roof rail.
2. Remove the weatherstrip retainers from the holes in the roof rail.

Installation Procedure

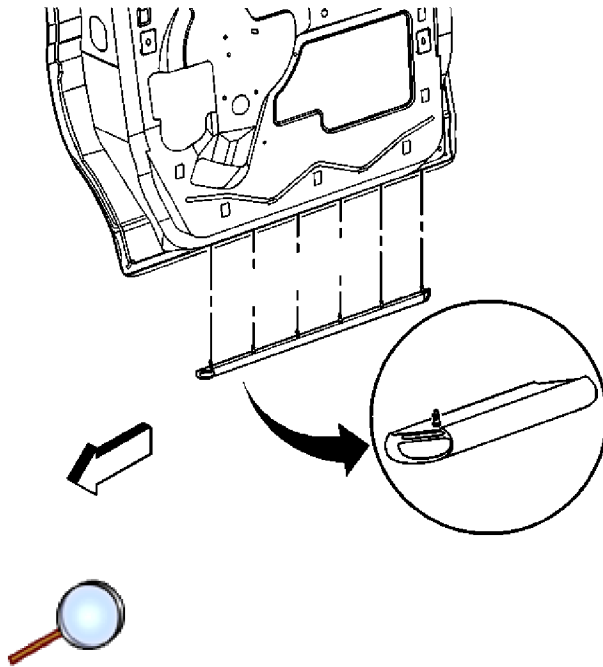




1. Place the weatherstrip into the roof rail.
2. Press the retainers into the weatherstrip and then into the holes in the roof rail.

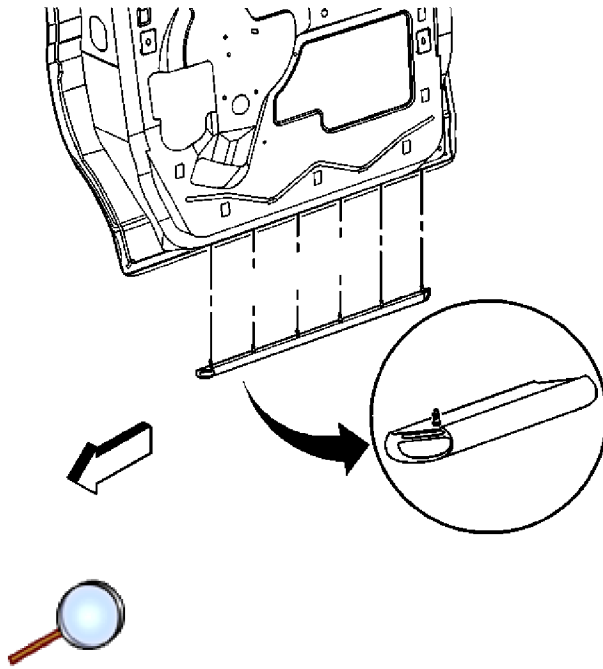
Front and Rear Side Door Lower Weatherstrip Replacement

Removal Procedure



1. Remove the weatherstrip from the door.
2. Remove the weatherstrip retainers from the holes in the door.

Installation Procedure

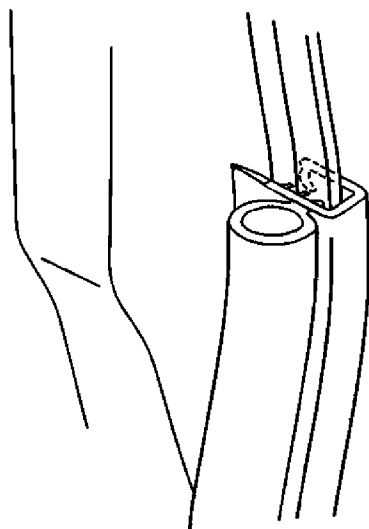


1. Install the weatherstrip to the door.
2. Press the retainers in the weatherstrip into the holes in the door.

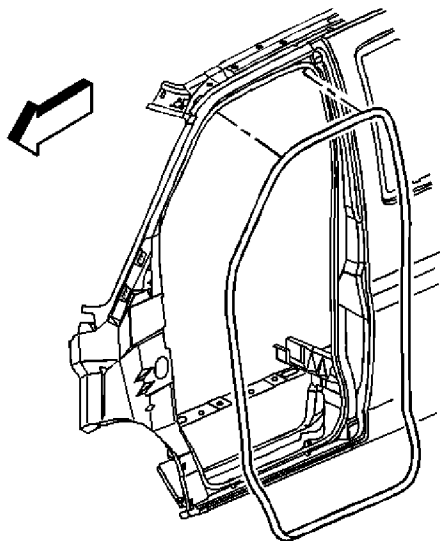
Front Door Opening Weatherstrip Replacement

Removal Procedure

1. Remove the hinge pillar trim panel. Refer to [Body Hinge Pillar Trim Panel Replacement](#) .
2. Remove the front door upper pillar garnish molding. Refer to [Upper Pillar Garnish Molding Replacement](#) .
3. Remove the front door lower pillar garnish molding. Refer to [Lower Pillar Garnish Molding Replacement](#) .
4. Remove the front door stepwell mat. Refer to [Front Side Door Step Mat Replacement](#) .



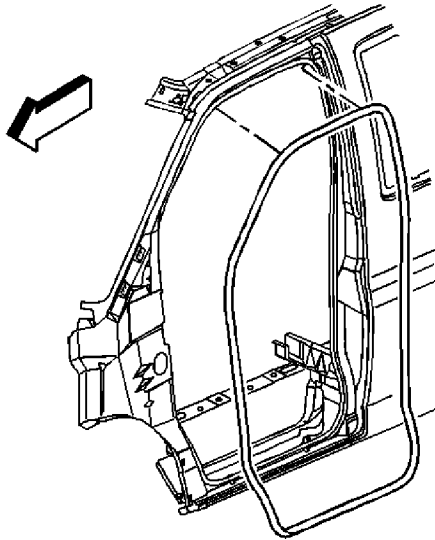
5. Gently pull the door opening weatherstrip from the door opening pinch-weld flange.



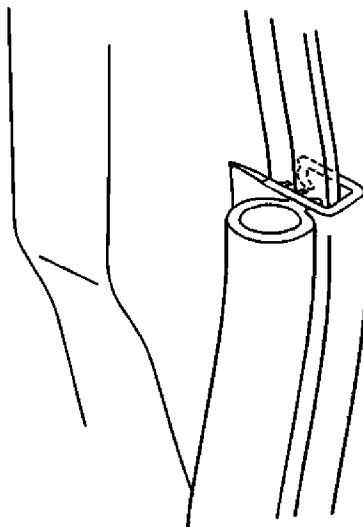


6. Remove the door opening weatherstrip from the vehicle.

Installation Procedure



1. Apply GM P/N 12345097 (Canadian P/N 10953479) or the equivalent, into the channel on the weatherstrip.
2. Install the weatherstrip to the vehicle.

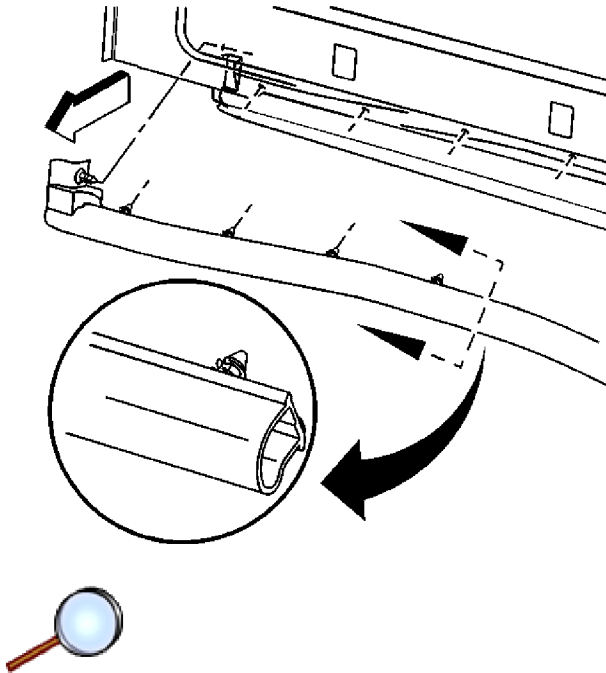


3. Start at the corners in order to align the door opening weatherstrip to the door opening pinch-weld flange. When pressing the weatherstrip on to the pinch-weld flange ensure that

the weatherstrip does not pull away at the corners.

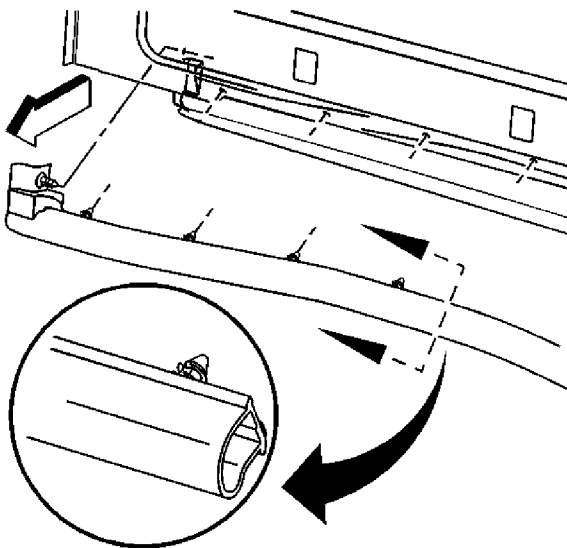
4. Starting with the corners of the door opening, press the weatherstrip on to the door opening pinch-weld flange.
5. Install the front door stepwell mat. Refer to [Front Floor Mat/Carpet Replacement](#) .
6. Install the front door lower pillar garnish molding. Refer to [Lower Pillar Garnish Molding Replacement](#) .
7. Install the front door upper pillar garnish molding. Refer to [Upper Pillar Garnish Molding Replacement](#) .
8. Install the hinge pillar trim panel. Refer to [Body Hinge Pillar Trim Panel Replacement](#) .

Rear Door Weatherstrip Replacement - Left Side Lower Removal Procedure



1. Remove the left rear door weatherstrip from the left rear door.
2. Remove the left rear door weatherstrip retainers from the left rear door.

Installation Procedure



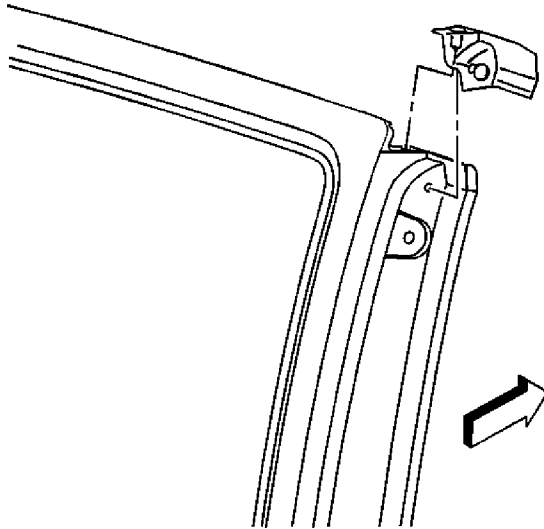
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1. Install the left rear door weatherstrip to the left rear door.
2. Press the retainers in the left rear door weatherstrip into the holes in the left rear door.

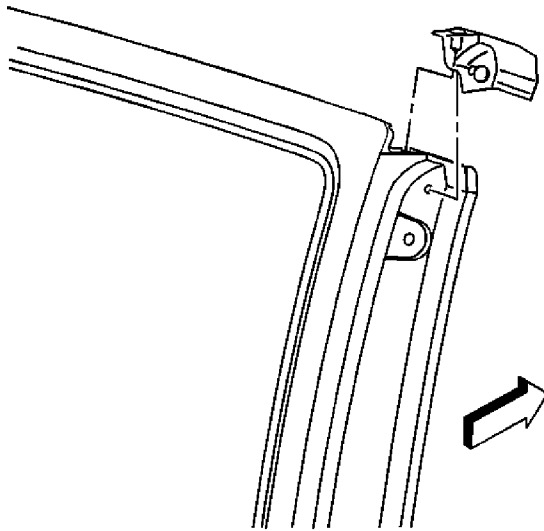
Rear Side Door Upper Weatherstrip Replacement - Left Side

Removal Procedure



1. Use 3M® General Purpose Adhesive Cleaner 3M P/N 08987 or the equivalent, if needed, in order to remove the left side rear door upper weather-strip from the door.
2. Remove the left side rear door upper weather-strip retainers from the holes in the door.

Installation Procedure

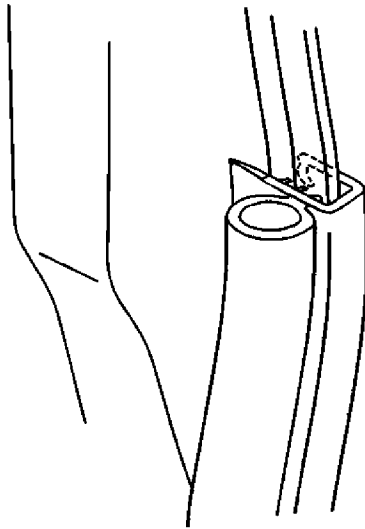


1. Install the left side rear door upper weather-strip to the door.
2. Press the retainers in the left side rear door upper weather-strip into the holes in the door.

Rear Door Opening Weatherstrip Replacement

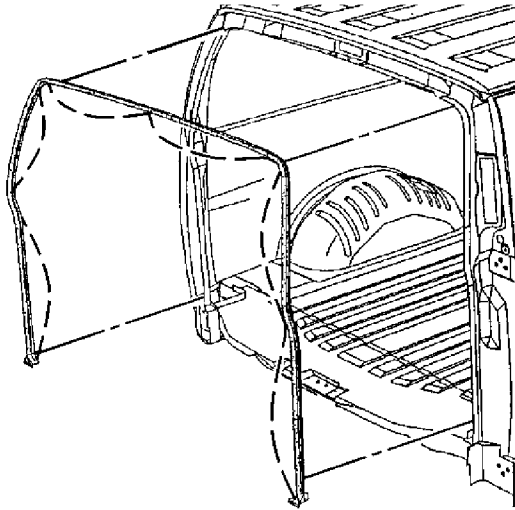
Removal Procedure

1. Remove the rear corner garnish molding. Refer to [Body Rear Corner Garnish Molding Replacement](#).
2. Remove the driver side body side rear trim panel. Refer to [Body Side Trim Panel Replacement - Left Side](#).
3. Remove the passenger side rear corner trim panel. Refer to [Rear Door Upper Garnish Molding Replacement](#).
4. Remove the rear floor trim plate. Refer to [Rear Floor Trim Plate Replacement](#).
5. Remove the rear door opening frame garnish molding. Refer to [Rear Door Upper Garnish Molding Replacement](#).

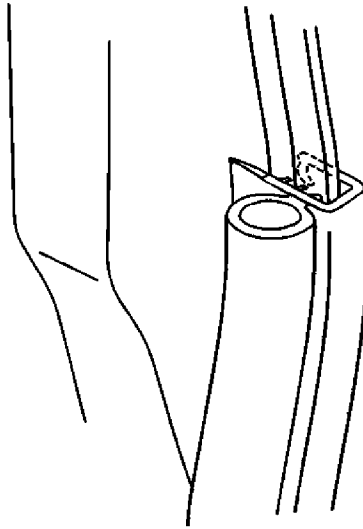


6. Pull the rear door opening weatherstrip from the door opening pinch-weld flange. Use 3M Release Agent or the equivalent at the bottom ends of the rear door opening weatherstrip if needed.

Installation Procedure



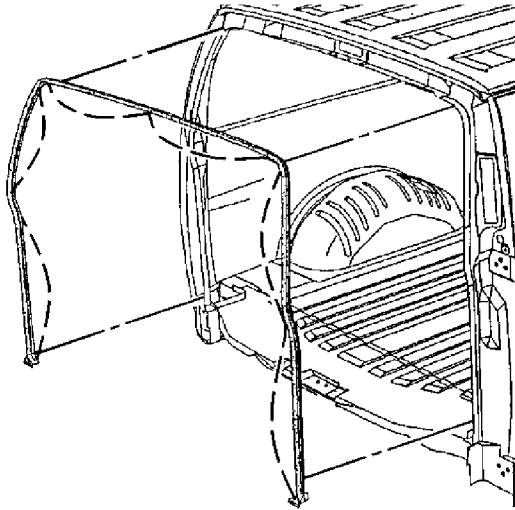
1. Apply weatherstrip adhesive into the channel on the rear door opening weatherstrip. Use GM P/N 12345097 (Canadian P/N 10953479) or the equivalent.



2. Start at the corners and align the rear door opening weatherstrip to the door opening pinch-weld flange.
3. Align the channel on the rear door opening weatherstrip with the pinch-weld flange.

Important: When installing the rear door opening weatherstrip, ensure that the corners have not pulled away from the body.

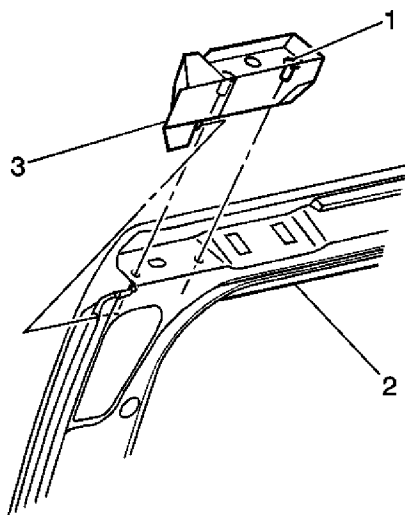
4. Press the weatherstrip into place. If you are reinstalling the original weatherstrip, use GM weatherstrip adhesive GM P/N 12345097 (Canadian P/N 10953479) at the bottom ends of the rear door opening weatherstrip in order to retain the weatherstrip to the body.



5. Install the retainers in the ends of the rear door opening weatherstrip into the holes in the floor panel.
6. Install the rear door opening frame garnish molding. Refer to [Rear Door Upper Garnish Molding Replacement](#).
7. Install the rear floor trim plate. Refer to [Rear Floor Trim Plate Replacement](#).
8. Install the passenger side rear corner trim panel. Refer to [Rear Door Upper Garnish Molding Replacement](#).
9. Install the driver side body side rear trim panel. Refer to [Body Side Trim Panel Replacement - Left Side](#).
10. Install the rear corner garnish molding. Refer to [Body Rear Corner Garnish Molding Replacement](#).

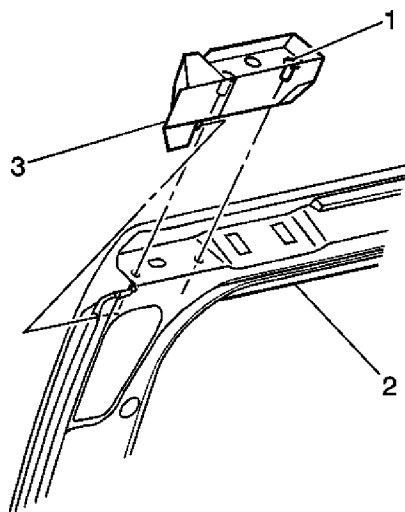
Rear Side Door Weatherstrip Replacement

Removal Procedure



1. Remove the pins (1) that hold the weather-strip to the upper door.
2. Remove the weatherstrip (3) from the upper door.
3. Clean the surface of the door with approved cleaning solvent.

Installation Procedure



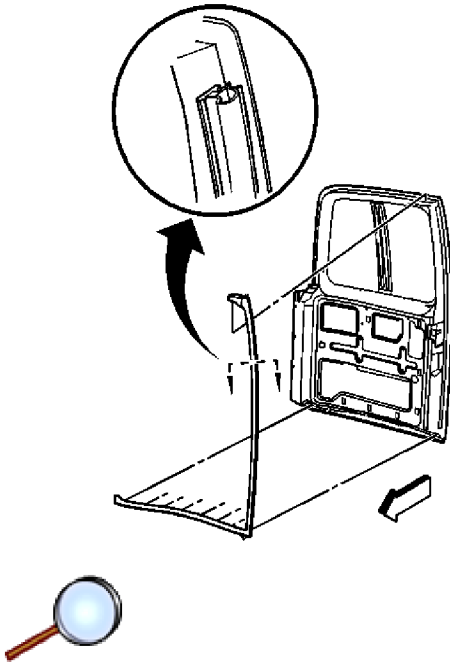
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1. Remove peel-off liner from saturated foam.
2. Spray 85 percent alcohol 15 percent water mixture per GM 9981293 on saturated foam patch.
3. Locate the part by lining up the two pins (1) on the top of the weather-strip with the holes in the door sheet metal.
4. Insert the pocket over the door flange and push down the pins until they are fully seated and there are no gaps between the door and the weather-strip (3).
5. Insert the pin that is located on the pocket into the door sheet metal until it is fully seated and there is no gap between the door and the weatherstrip.
6. Complete the installation by tucking the bottom inner edge of the weather-strip (3) into the top door flange.

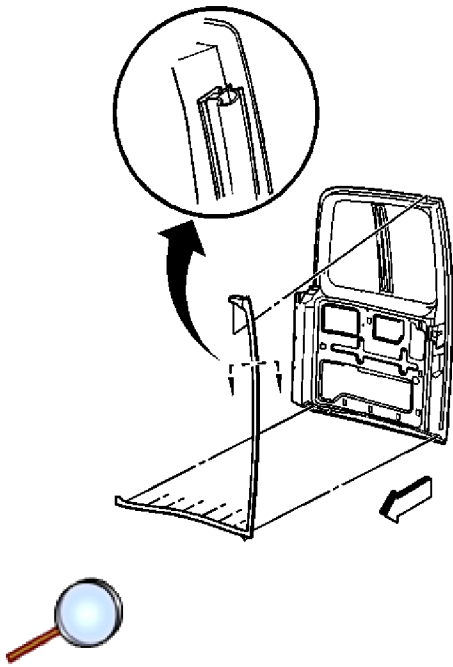
Rear Door Weatherstrip Replacement - Right Side

Removal Procedure



1. Use 3M General Purpose Adhesive Cleaner 3M P/N 08987 or the equivalent, if needed, in order to remove the right rear door weatherstrip from the top of the door.
2. Pull the right rear door weatherstrip in order to remove the weatherstrip from the channel on the side of the door.
3. Remove the right rear door weatherstrip and the retainers from the bottom of the door.
4. Clean the door of all of the old adhesive.

Installation Procedure

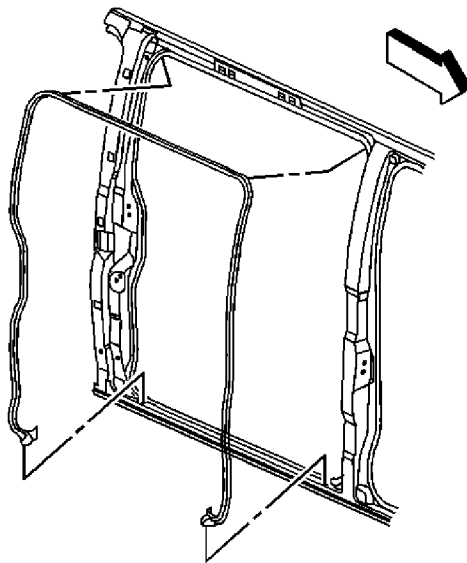


1. Apply a mild soap and water solution to the right rear door weatherstrip.
2. Start at the bottom of the channel in the door and slide the right rear door weatherstrip up the channel to the top of the door.
3. Install the right rear door weatherstrip to the top of the door. Use GM Weatherstrip Adhesive GM P/N 12345097, (Canadian P/N 10953479) or the equivalent, if you are reusing the weatherstrip.
4. Press the retainers in the right rear door weatherstrip into the holes in the door until fully seated.

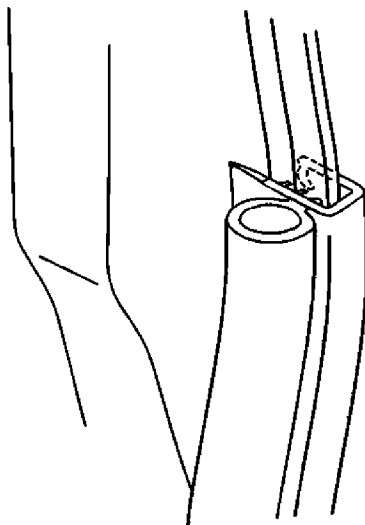
Side Door Opening Weatherstrip Replacement

Removal Procedure

1. Remove the hinge pillar upper garnish. Refer to [Upper Pillar Garnish Molding Replacement](#).
2. Remove the hinge pillar lower garnish molding. Refer to [Lower Pillar Garnish Molding Replacement](#).
3. Remove the passenger side front corner garnish molding. Refer to [Center Pillar Upper Garnish Molding Replacement - Right Side](#).
4. Remove the passenger side body side trim panel. Refer to [Body Side Trim Panel Replacement - Right Side](#).
5. Remove the side door stepwell mat. Refer to [Front Side Door Step Mat Replacement](#).

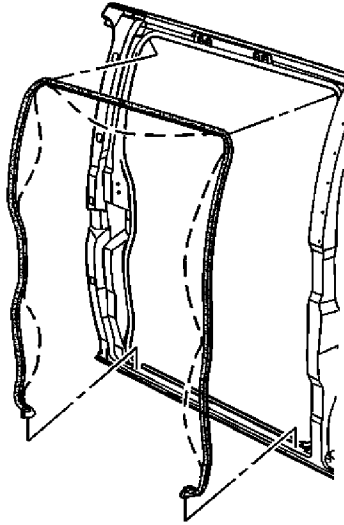


6. Remove the retainers at the lower corners of the side door opening weatherstrip.



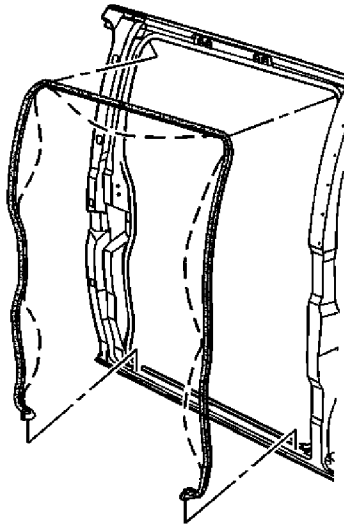


7. Pull the side door opening weatherstrip from the door opening pinch-weld flange.



8. Remove the side door opening weatherstrip from the vehicle.

Installation Procedure

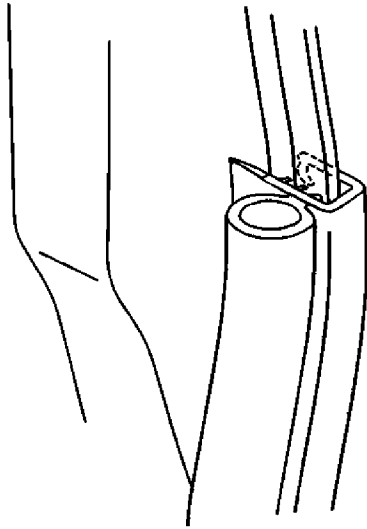


1. Apply weatherstrip adhesive into the channel on the side door opening weatherstrip. Use GM P/N 12345097 (Canadian P/N 10953479) or the equivalent.

Important: When installing the side door opening weatherstrip, ensure that the corners

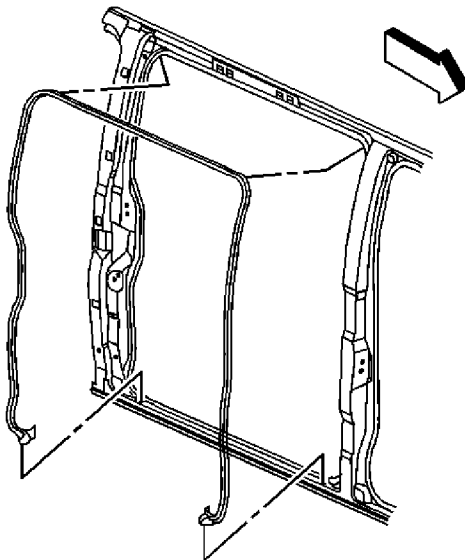
have not pulled away from the body.

2. Install the side door opening weatherstrip to the vehicle.



3. Align the channel on the side door opening weatherstrip to the door opening pinch-weld flange starting at the corners.

Press the weatherstrip into place.



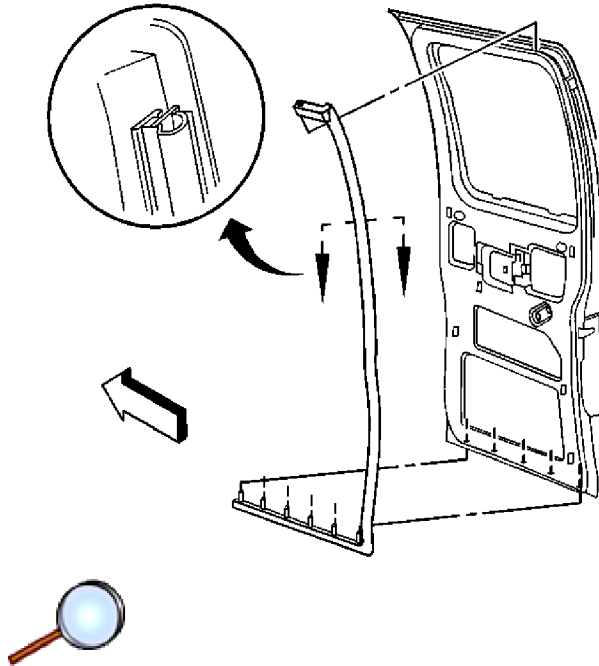
4. Install the retainers at the ends of the side door opening weatherstrip to the holes in the door opening.
5. Install the hinge pillar upper garnish. Refer to [Upper Pillar Garnish Molding Replacement](#).
6. Install the hinge pillar lower garnish molding. Refer to [Lower Pillar Garnish Molding](#).

[Replacement](#) .

7. Install the passenger side front corner garnish molding. Refer to [Center Pillar Upper Garnish Molding Replacement - Right Side](#) .
8. Install the passenger side body side trim panel. Refer to [Body Side Trim Panel Replacement - Right Side](#) .
9. Install the side door step well mat. Refer to [Front Side Door Step Mat Replacement](#) .

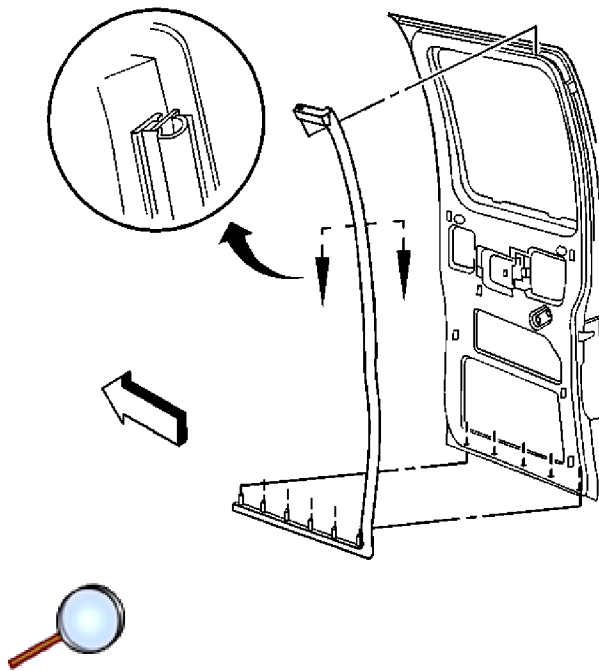
Side Front Door Weatherstrip Replacement

Removal Procedure



1. Remove the retainer at the top of the side front door weatherstrip.
2. Remove the side front door weatherstrip from the top of the door. Use 3M Release Agent or the equivalent.
3. Pull the side front door weatherstrip in order to remove the weatherstrip from the channel on the side of the door.
4. Remove the side front door weatherstrip and the retainers from the bottom of the door.
5. Clean the door of all of the old adhesive.

Installation Procedure

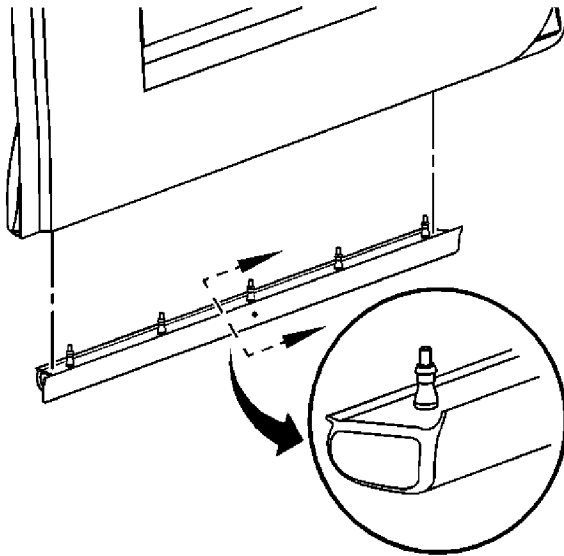


1. Use the following method in order to install the side front door weatherstrip to the channel on the side of the door:
 - 1.1. Apply a mild soap and water solution to the side front door weatherstrip.
 - 1.2. Start the installation at the bottom of the channel in the door.
 - 1.3. Slide the side front door weatherstrip up the channel to the top of the door.
2. Install the side front door weatherstrip to the top of the door.

If you are reusing the old weatherstrip, use GM Weatherstrip Adhesive GM P/N 12345097 (Canadian P/N 10953479) or the equivalent, in order to retain the top of the weatherstrip to the door.

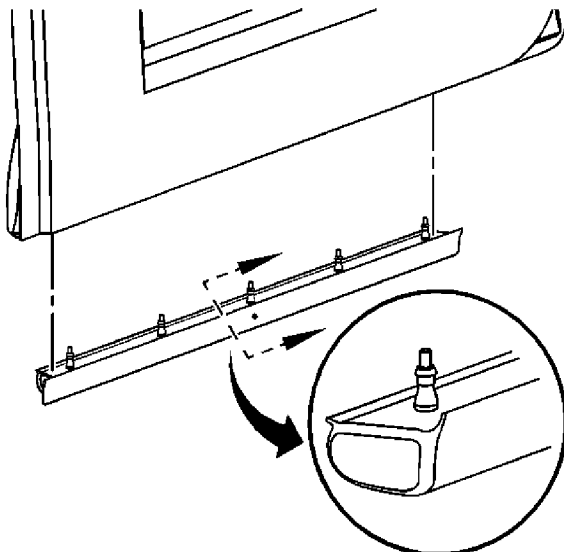
3. Install the retainer in the top of the weatherstrip to the door.
4. Install the side front door weatherstrip to the bottom of the door.
5. Press the retainers in the side front door weatherstrip into the holes in the door.

Rear Side Door Lower Weatherstrip Replacement Removal Procedure



1. Remove the side rear door lower weatherstrip from the door.
2. Remove the retainers from the holes in the door.

Installation Procedure



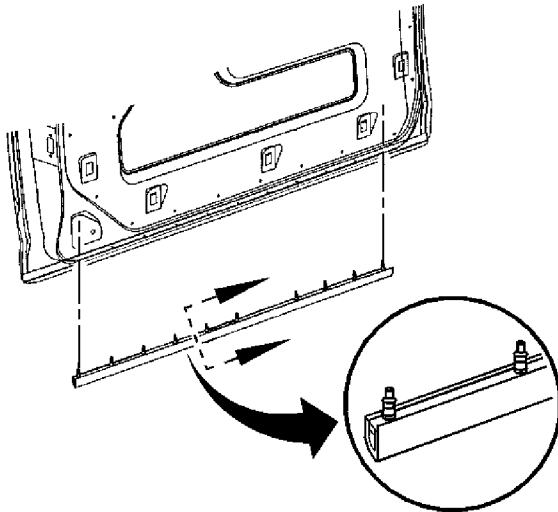
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1. Install the side rear door lower weatherstrip to the door.
2. Press the retainers in the side rear door lower weatherstrip into the holes in the door.

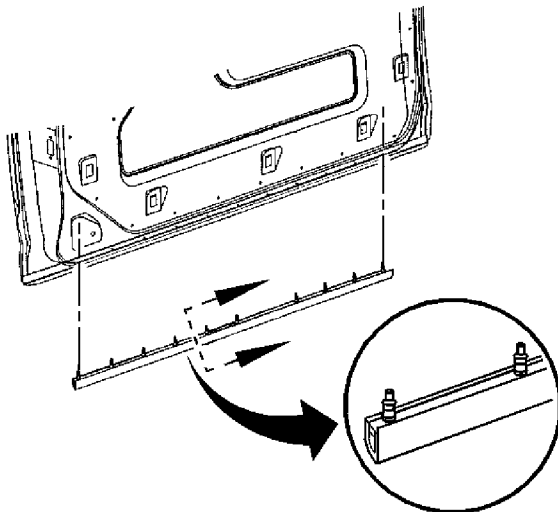
Sliding Door Weatherstrip Replacement

Removal Procedure



1. Remove the weatherstrip from the sliding side door.
2. Remove the weatherstrip retainers from the holes in the sliding side door.

Installation Procedure

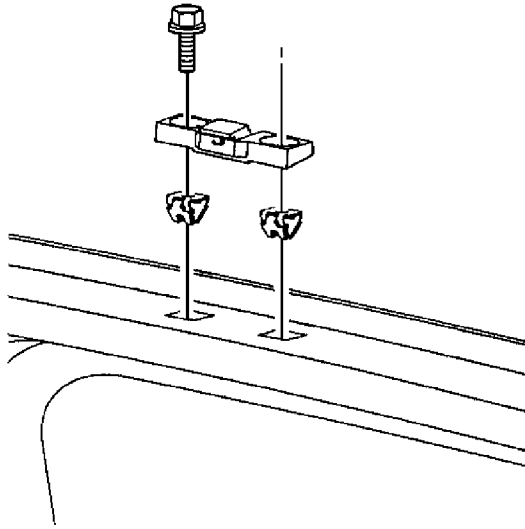




1. Install the weatherstrip to the sliding side door.
2. Press the retainers in the weatehrstrip into the holes in the sliding side door.

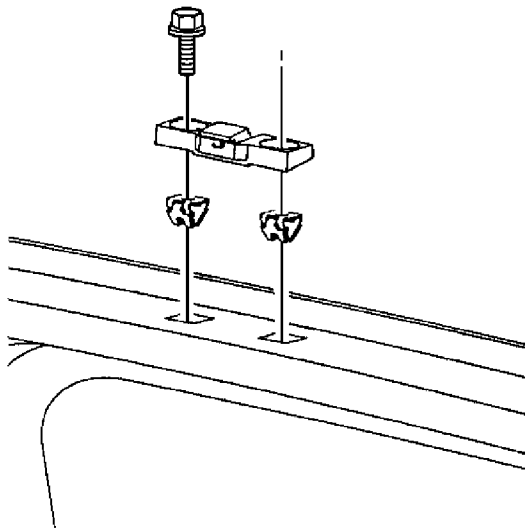
Rear Door Wedge Replacement

Removal Procedure



1. Remove the bolts that retain the rear door wedge to the door.
2. Remove the rear door wedge from the door.

Installation Procedure





1. Install the rear door wedge to the door.

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

2. Install the rear door wedge bolts in order to retain the rear door wedge to the door and tighten to **10 N·m (89 lb in)**.