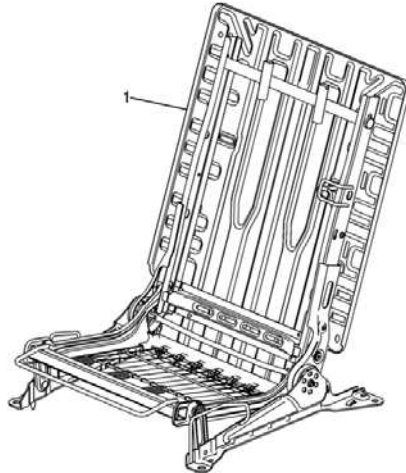


## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:



3rd Row Seat Frame Replacement

### Callout

### Component Name

### Preliminary Procedure

1. Remove the 3rd row seat. Refer to 3rd Row Seat Removal and Installation
2. Remove the 3rd row seat back cushion cover and pad. Refer to 3rd Row Seat Back Cover and Pad Replacement.
3. Remove the 3rd row seat cushion cover and pad. Refer to 3rd Row Seat Cushion Cover and Pad Replacement
4. Remove the 3rd row seat belt buckle. Refer to 3rd Row Seat Belt Buckle Replacement
5. Remove the 3rd row seat back latch cable with pull handle. Refer to 3rd Row Seat Back Latch Cable with Pull Handle Replacement

3rd Row Seat Frame

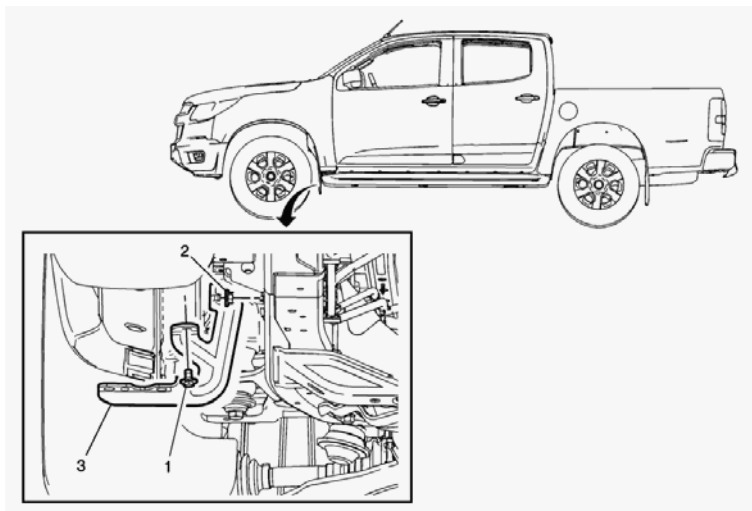
1

### Procedure

Transfer components as necessary.

## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:



Assist Step Bracket Replacement

### Callout

### Component Name

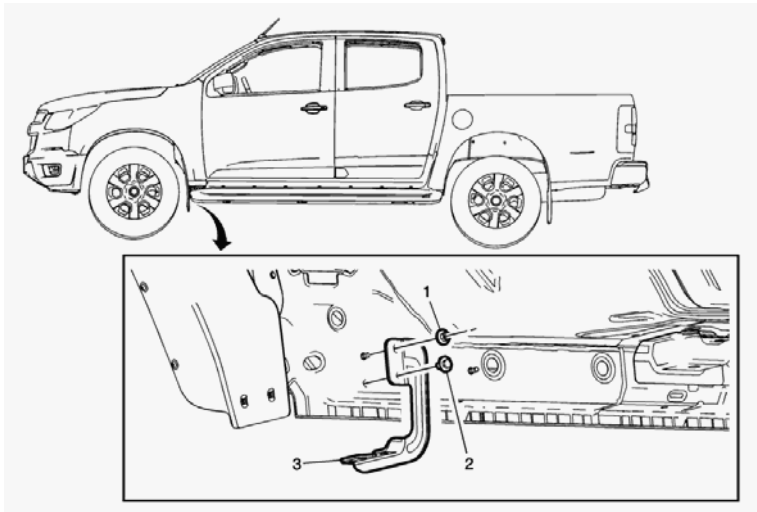
#### Preliminary Procedure

Remove the Assist Step. Refer to Assist Step Replacement.

- |   |                                                                           |
|---|---------------------------------------------------------------------------|
|   | Assist Step Bracket Bolt                                                  |
| 1 | <b>Caution:</b> Refer to Fastener Caution.                                |
|   | <b>Tighten</b>                                                            |
|   | 22 Y (16 lb ft)                                                           |
|   | Assist Step Bracket Nut                                                   |
| 2 | <b>Tighten</b>                                                            |
|   | 22 Y (16 lb ft)                                                           |
|   | Assist Step Bracket                                                       |
| 3 | <b>Procedure</b>                                                          |
|   | Slide the assist step bracket back from the body to clear the upper stud. |

# 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:

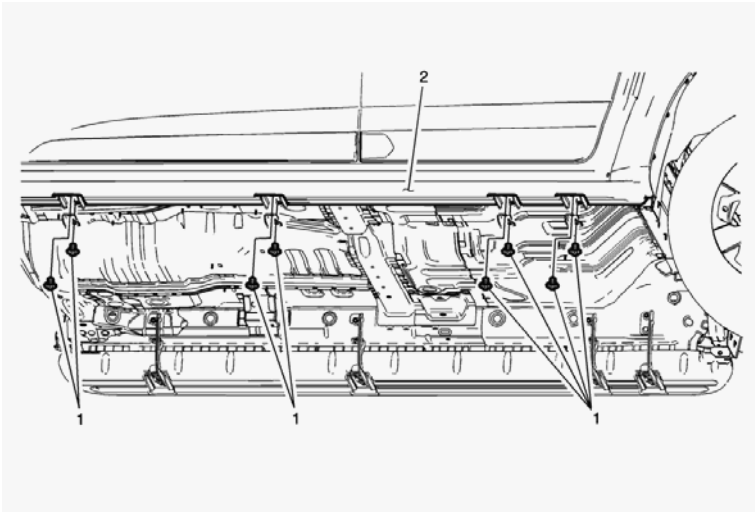


Assist Step Bracket Replacement

| Callout                                                   | Component Name                                                                                |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Preliminary Procedure</b>                              |                                                                                               |
| Remove the Assist Step. Refer to Assist Step Replacement. |                                                                                               |
| 1                                                         | Assist Step Bracket Nut                                                                       |
|                                                           | <b>Caution:</b> Refer to Fastener Caution.                                                    |
|                                                           | <b>Tighten</b><br>22 Y (16 lb ft)                                                             |
| 2                                                         | Assist Step Bracket Bolt                                                                      |
|                                                           | <b>Tighten</b><br>22 Y (16 lb ft)                                                             |
| 3                                                         | Assist Step Bracket                                                                           |
|                                                           | <b>Procedure</b><br>Slide the assist step bracket back from the body to clear the upper stud. |

# 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:



Assist Step Replacement

| Callout                                                                  | Component Name                                         |
|--------------------------------------------------------------------------|--------------------------------------------------------|
| <b>Preliminary Procedure</b>                                             |                                                        |
| Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle. |                                                        |
| Assist Step Bolt (Qty: 8)                                                |                                                        |
| 1                                                                        | <b>Caution:</b> Refer to Fastener Caution.             |
|                                                                          | <b>Tighten</b>                                         |
|                                                                          | 22 Y (16 lb ft)                                        |
| Assist Step                                                              |                                                        |
| 2                                                                        | <b>Procedure</b>                                       |
|                                                                          | Slide the assist step out from the body, then lift up. |

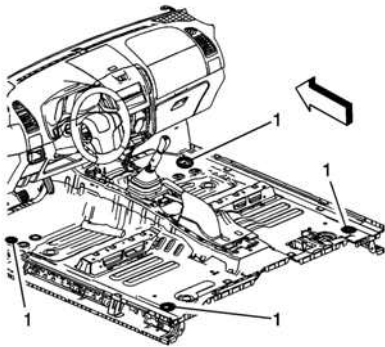
## 2013 Chevrolet Colorado

**Submodel:** | **Engine Type:** | **Liters:**  
**Fuel Delivery:** | **Fuel:**

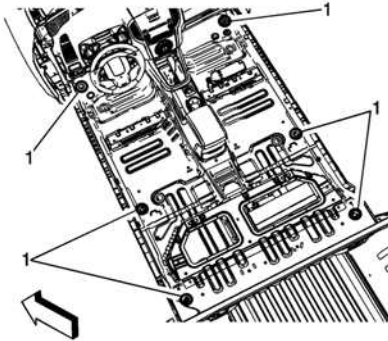
### Removal Procedure

Support the frame with the hoist when you change the body mounts. If only one mount is changed, loosen and lower the entire side on which the question is being replaced.

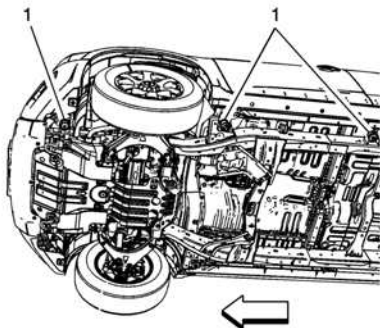
1. Remove the body side rear lower trim panel. Refer to Body Side Rear Lower Trim Panel Replacement.
2. Remove the body hinge pillar trim. Refer to Body Hinge Pillar Trim Replacement.
3. If crew or extended cab, remove the center pillar lower trim panel. Refer to Center Pillar Lower Trim Panel Replacement.
4. Remove the front wheelhouse liners. Refer to Front Wheelhouse Liner Replacement.



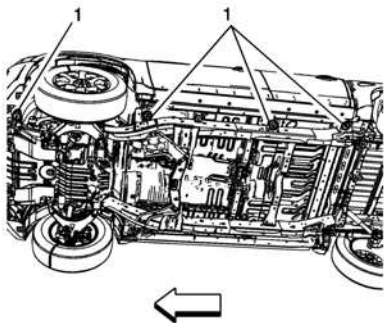
5. If regular cab, partially remove the floor carpet to remove the body mount hole plugs (1).



6. If crew or extended cab, partially remove the floor carpet to remove the body mount hole plugs (1).
7. Raise the vehicle on a hoist. Refer to Lifting and Jacking the Vehicle.



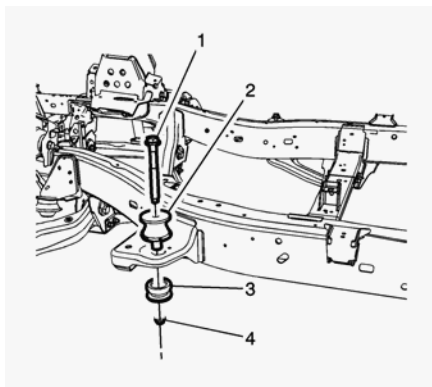
8. If regular cab, remove the insulator nuts and bolts (1) from the vehicle.



9. If crew or extended cab, remove the insulator nuts and bolts (1) from the vehicle.
10. Lower the vehicle.

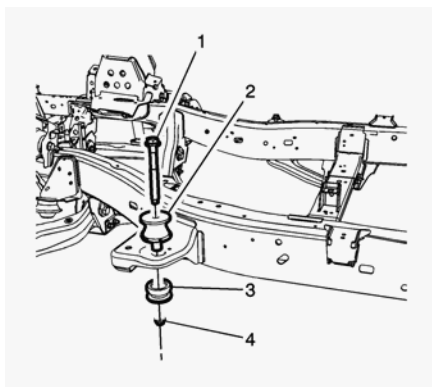
**Note:** When removing the body cushions, do NOT separate the frame from the body more than necessary.

11. Using a floor jack slightly raise the vehicle body off the frame.



12. Remove the upper and lower cushion assemblies (2) and (3), as necessary.

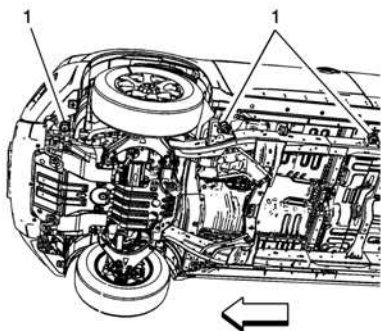
#### [Installation Procedure](#)



1. Install the upper and lower cushion assemblies (2) and (3), as necessary.

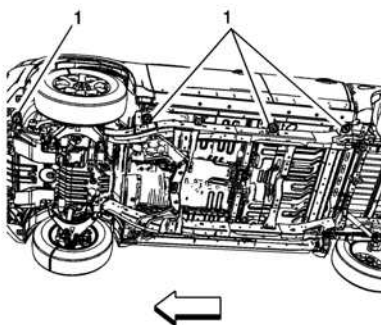
**Note:** When removing the body cushions, do NOT separate the frame from the body more than necessary.

2. Lower vehicle body onto the frame.

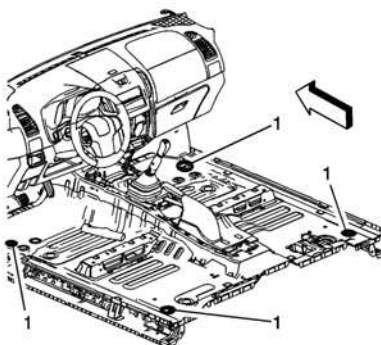


**Caution:** Refer to Fastener Caution.

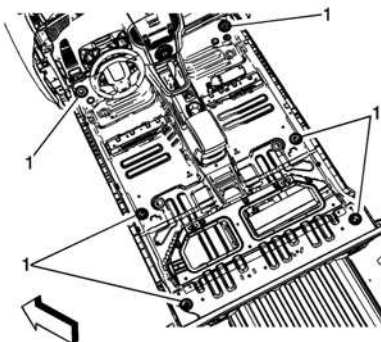
3. If regular cab, install the insulator nuts and bolts (1).  
Tighten the bolts to **115 Y (85 lb ft)**.



4. If crew or extended cab, install the insulator nuts and bolts (1).
5. Tighten the bolts to **115 Y (85 lb ft)**.



6. If regular cab, install the body mount hole plugs (1).



7. If crew or extended cab, install the body mount hole plugs (1).

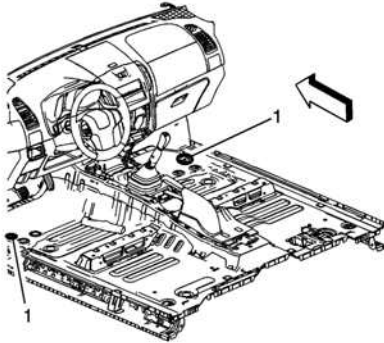
8. Install the front wheelhouse liners. Refer to Front Wheelhouse Liner Replacement.
9. If crew or extended cab, install the center pillar lower trim panel. Refer to Center Pillar Lower Trim Panel Replacement.
10. Install the body hinge pillar trim. Refer to Body Hinge Pillar Trim Replacement.
11. Install the body side rear lower trim panel. Refer to Body Side Rear Lower Trim Panel Replacement.
12. Lower the vehicle.

## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:

### Removal Procedure

1. Remove the assist step. Refer to Assist Step Replacement.

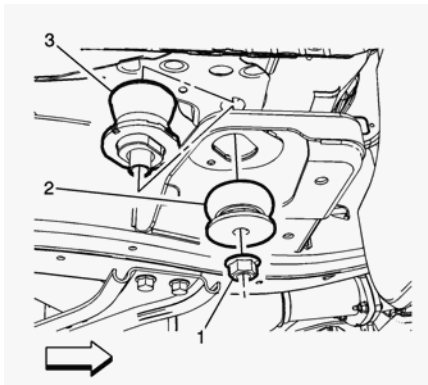


**Warning:** When you remove the body cushions, do NOT separate the frame from the body more than is necessary. Possible personal injury or damage to multiple parts may result if you do not follow the guides outlined below:

- Intermediate steering shaft—Do not allow the shaft to extend more than 25 mm (1 in).
- Fuel tank filler hose—Do not stretch the hose excessively.
- Tail/Turn signal lamp wiring/rear lamps junction block—Leave slack in the wires.
- Park brake cable—Leave slack in the cable.
- Body ground straps—Leave slack in the wire.

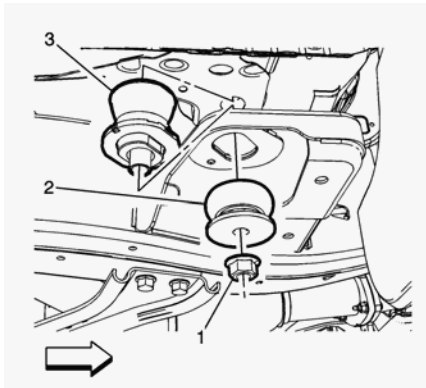
**Note:** There are 4 upper and 4 lower body mount cushions per side. Use extreme caution when lifting on the body flange to remove the body cushions for replacement.

2. Remove the body hinge pillar trim. Refer to Body Hinge Pillar Trim Replacement.
3. Pull back the front floor carpeting far enough to access the floor bolt access cover (1).
4. Loosen the front and rear center adjacent body mount cushion bolts, do not remove.
5. Remove the front floor bolt access cover (1).
6. Remove the front wheelhouse liner. Refer to Front Wheelhouse Liner Replacement.



7. Remove the body mount cushion bolt and nut (1).
8. Remove the lower body mount cushion (2).
9. Using a floor lift jack, from the center of the body, position the floor jack under the body pinchweld flange.
10. Carefully lift the body from the cab mounting flange, far enough to remove the upper body mount cushion (3).

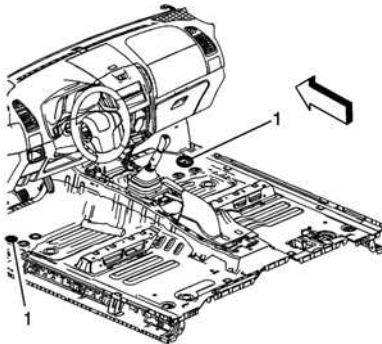
### Installation Procedure



1. Using a floor jack, from the center of the body, position the floor jack under the body pinchweld flange.
2. Carefully lift the body from the cab mounting flange, far enough to install the upper body mount cushion (3).
3. Install the side body cushion mount (2) and lower cushion bolt and nut (1).
4. Lower the body onto the upper body mount cushions.

**Caution:** Refer to Fastener Caution.

5. Tighten the side body mount cushion bolt to **115 Y (85 lb ft)**.
6. Secure the center rear and front side body mount cushion bolts that were loosened during the removal procedure.
7. Tighten the side body mount cushion bolt to **115 Y (85 lb ft)**.
8. Install the front wheelhouse liner. Refer to Front Wheelhouse Liner Replacement.



9. Install the bolt access cover.
10. Reposition the front floor carpet.
11. Install the body hinge pillar trim. Refer to Body Hinge Pillar Trim Replacement.
12. Install the assist step. Refer to Assist Step Replacement.

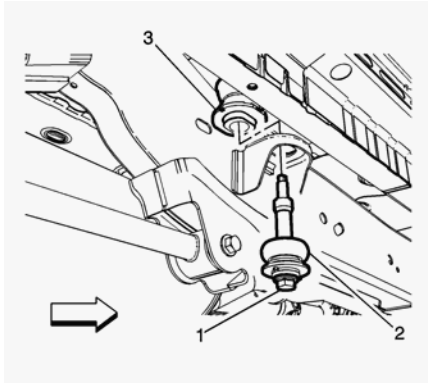
## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:

### Removal Procedure

1. Remove the assist step. Refer to Assist Step Replacement.



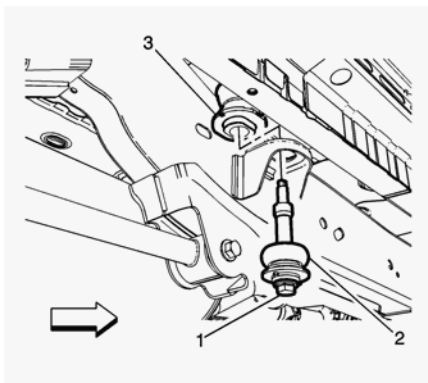
**Warning:** When you remove the body cushions, do NOT separate the frame from the body more than is necessary. Possible personal injury or damage to multiple parts may result if you do not follow the guides outlined below:

- Intermediate steering shaft—Do not allow the shaft to extend more than 25 mm (1 in).
- Fuel tank filler hose—Do not stretch the hose excessively.
- Tail/Turn signal lamp wiring/rear lamps junction block—Leave slack in the wires.
- Park brake cable—Leave slack in the cable.
- Body ground straps—Leave slack in the wire.

**Note:** There are 4 upper and 4 lower body mount cushions per side. Use extreme caution when lifting on the body flange to remove the body cushions for replacement.

2. Loosen the rear corner body mount cushion bolt, do not remove.
3. Loosen, do not remove, the rear body mount cushion bolt.
4. Remove the side body mount cushion bolt (1) and lower cushion (2).
5. Using a floor lift jack, from the rear of the body, position the floor jack under the body pinchweld flange.
6. Carefully lift the body from the cab mounting flange, far enough to remove the upper body mount cushion (3).

### Installation Procedure



1. Using a floor jack, from the rear of the body, position the floor jack under the body pinchweld flange.
2. Carefully lift the body from the cab mounting flange, far enough to install the upper body mount cushion (3).
3. Install the side body cushion mount (2) and lower cushion bolt (1).
4. Lower the body onto the upper body mount cushions.

**Caution:** Refer to Fastener Caution.

5. Tighten the side body mount cushion bolt to **115 Y (85 lb ft)**.
6. Secure the rear side body mount cushion bolt that was loosened during the removal procedure.

7. Tighten the side body mount cushion bolt to **115 Y (85 lb ft)**.
8. **Install** the assist step. Refer to Assist Step Replacement.

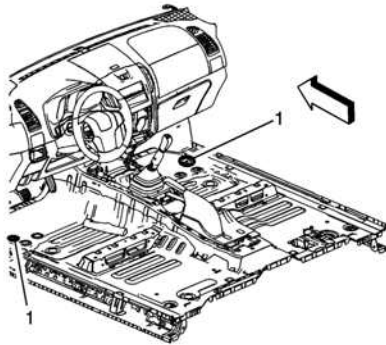
## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:

### Removal Procedure

1. Remove the assist step. Refer to Assist Step Replacement.

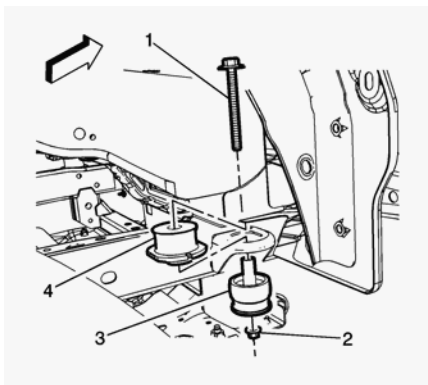


**Warning:** When you remove the body cushions, do NOT separate the frame from the body more than is necessary. Possible personal injury or damage to multiple parts may result if you do not follow the guides outlined below:

- Intermediate steering shaft—Do not allow the shaft to extend more than 25 mm (1 in).
- Fuel tank filler hose—Do not stretch the hose excessively.
- Tail/Turn signal lamp wiring/rear lamps junction block—Leave slack in the wires.
- Park brake cable—Leave slack in the cable.
- Body ground straps—Leave slack in the wire.

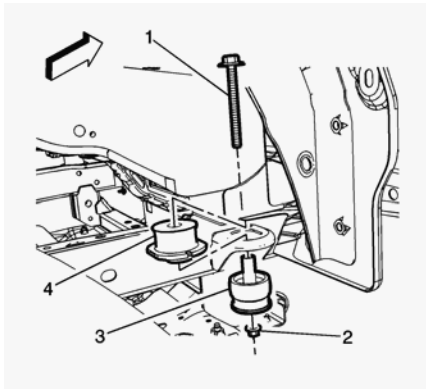
**Note:** There are 4 upper and 4 lower body mount cushions per side. Use extreme caution when lifting on the body flange to remove the body cushions for replacement.

2. Remove the right or left front wheelhouse liner. Refer to Front Wheelhouse Liner Replacement.
3. Remove the body hinge pillar trim. Refer to Body Hinge Pillar Trim Replacement.
4. Pull back the front floor carpeting far enough to access the floor bolt access cover (1).
5. Loosen the center front body mount cushion bolt, do not remove.



6. Remove the nut (2) and bolt (1) from the body mount cushion assembly.
7. Remove the lower cushion (3).
8. Using a floor jack, and a block of wood, position the floor jack under the front edge of the radiator support.
9. Carefully lift the body from the cab mounting flange, far enough to remove the upper body mount (4).

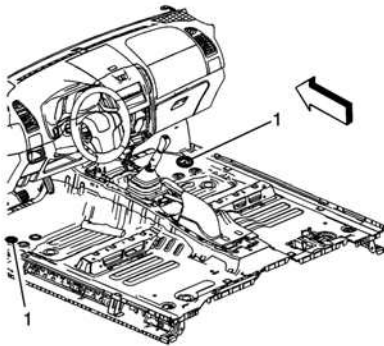
### Installation Procedure



1. Install the upper body cushion mount (4).
2. Lower the body onto the body cushion and cab mount.
3. Install the lower cushion (3) and install the bolt.
4. Install the nut (2).

**Caution:** Refer to Fastener Caution.

5. Tighten the front body mount cushion bolt to **115 Y (85 lb ft)**.
6. Remove the floor jack from the work area.
7. Secure the center front body mount cushion bolt and nut.



8. Tighten the center front mount cushion bolt to **50 Y (37 lb ft)**.
9. Secure the floor bolt access cover (1).
10. Reposition the front floor carpet.
11. Install the body hinge pillar trim. Refer to Body Hinge Pillar Trim Replacement.
12. Install the right or left front wheelhouse liner. Refer to Front Wheelhouse Liner Replacement.
13. Install the assist step. Refer to Assist Step Replacement.

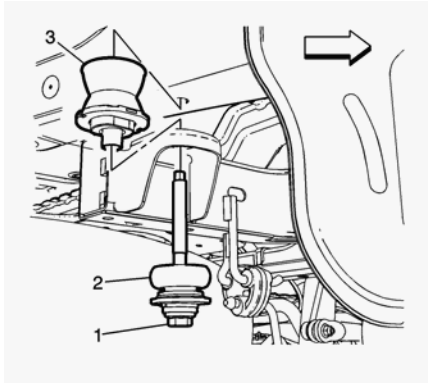
## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:

### Removal Procedure

1. Remove the assist step. Refer to Assist Step Replacement.



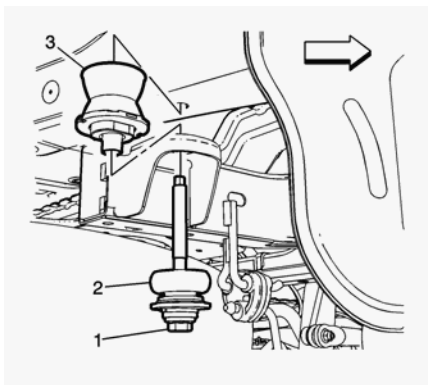
**Warning:** When you remove the body cushions, do NOT separate the frame from the body more than is necessary. Possible personal injury or damage to multiple parts may result if you do not follow the guides outlined below:

- Intermediate steering shaft—Do not allow the shaft to extend more than 25 mm (1 in).
- Fuel tank filler hose—Do not stretch the hose excessively.
- Tail/Turn signal lamp wiring/rear lamps junction block—Leave slack in the wires.
- Park brake cable—Leave slack in the cable.
- Body ground straps—Leave slack in the wire.

**Note:** There are 4 upper and 4 lower body mount cushions per side. Use extreme caution when lifting on the body flange to remove the body cushions for replacement.

2. Remove the body mount cushion bolt (1).
3. Remove the body mount lower cushion (2).
4. Using a floor lift jack, from the rear of the body, position the floor jack under the body pinchweld flange.
5. Carefully lift the body from the cab mounting flange, far enough to remove the upper body mount cushion (3).

### Installation Procedure



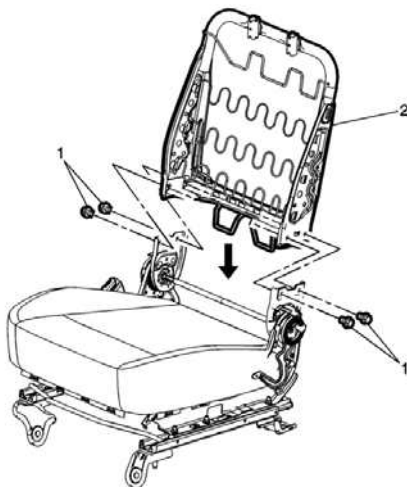
1. Carefully lift the body from the cab mounting flange, far enough to install the upper body mount cushion (3).
2. Install the body mount lower cushion (2).
3. Install the body mount cushion bolt (1).
4. Lower the floor jack from the body and remove from the work area.

**Caution:** Refer to Fastener Caution.

5. Tighten the bolt to **115 Y (85 lb ft)**.
6. Install the assist step. Refer to Assist Step Replacement.

## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:



Driver or Passenger Seat Back Cushion Frame Replacement

### Callout

### Component Name

**Warning:** Refer to SIR Warning.

### Preliminary Procedures

1. Disable the SIR system, if equipped with seat airbags. Refer to SIR Disabling and Enabling.
2. Remove the driver or passenger seat. Refer to Driver or Passenger Seat Removal and Installation.
3. Remove the driver or passenger seat back cushion cover and pad. Refer to Driver or Passenger Seat Back Cover and Pad Replacement

Driver or Passenger Seat Back Cushion Frame Bolt (Qty: 4)

- 1 **Caution:** Refer to Fastener Caution.

### Tighten

45 Y (33 lb ft)

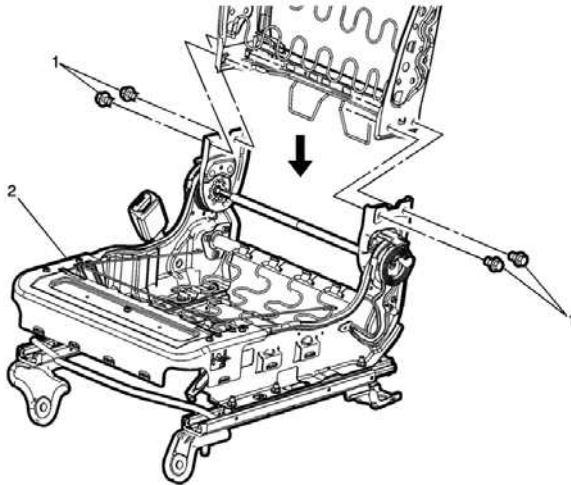
Driver or Passenger Seat Cushion Frame Assembly

- 2 **Procedure**

When replacing the frame assembly with a new unit, transfer components as necessary.

## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:



Driver or Passenger Seat Cushion Frame Replacement

### Callout

### Component Name

**Warning:** Refer to SIR Warning.

### Preliminary Procedures

1. Disable the SIR system, if equipped with seat airbags. Refer to SIR Disabling and Enabling.
2. Remove the driver or passenger seat. Refer to Driver or Passenger Seat Removal and Installation.
3. Remove the driver or passenger seat back cushion cover and pad. Refer to Driver or Passenger Seat Back Cover and Pad Replacement
4. Remove the front seat cushion cover and pad. Refer to Front Seat Cushion Cover and Pad Replacement.

Driver or Passenger Seat Cushion Frame Bolt (Qty: 4)

1

**Caution:** Refer to Fastener Caution.

### Tighten

45 Y (33 lb ft)

Driver or Passenger Seat Cushion Frame Assembly

2

### Procedure

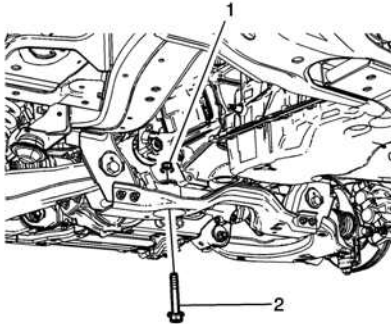
When replacing the frame assembly with a new unit, transfer components as necessary.

## 2013 Chevrolet Colorado

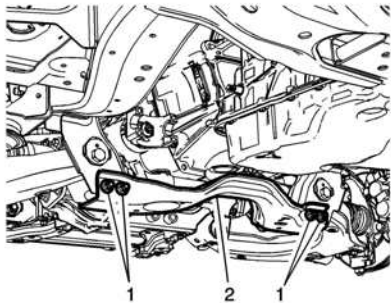
Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:

### Removal Procedure

1. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.
2. Remove the engine protection shield. Refer to Engine Protection Shield Replacement.
3. Support the front differential with a transmission jack stand.

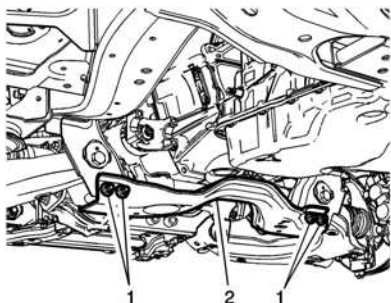


4. Remove the bolt (2) and nut (1) from the crossmember to the front differential.



5. Remove the 4 bolts and nuts (1) from the frame.
6. Remove the front crossmember (2).

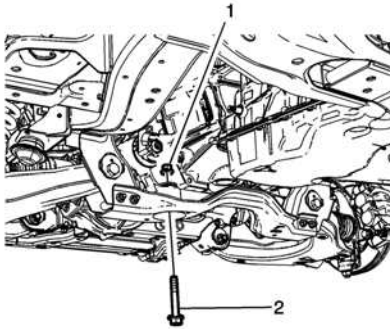
### Installation Procedure



1. Install the front crossmember (2).

**Caution:** Refer to Fastener Caution.

2. Install 4 bolts and nuts (1) in the frame but do not tighten.



3. Install the bolt (2) and nut (1) in the crossmember to the front differential but do not tighten.
4. Tighten the 4 bolts to **56 Y (41 lb ft)** in the frame.
5. Remove the transmission jack stand from the front differential.
6. Tighten the bolt to **160 Y (118 lb ft)**.
7. Install the engine protection shield. Refer to Engine Protection Shield Replacement.
8. Remove the supports and lower the vehicle.

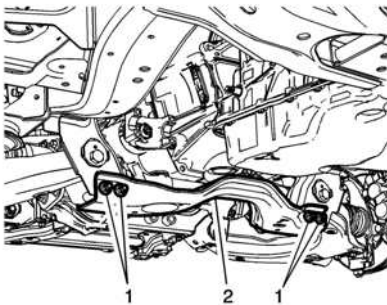
## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:

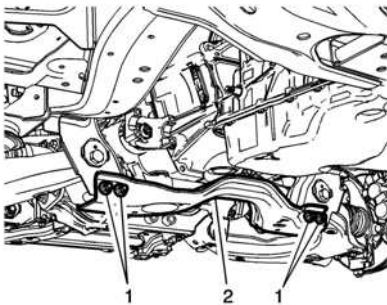
### Removal Procedure

1. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.
2. Remove the rear shield, if equipped. Refer to Engine Protection Shield Replacement.
3. Support the front differential with a transmission jack stand.



4. Remove the 4 bolts and nuts (1) from the frame.
5. Remove the front crossmember (2).

### Installation Procedure



1. Install the front crossmember (2).

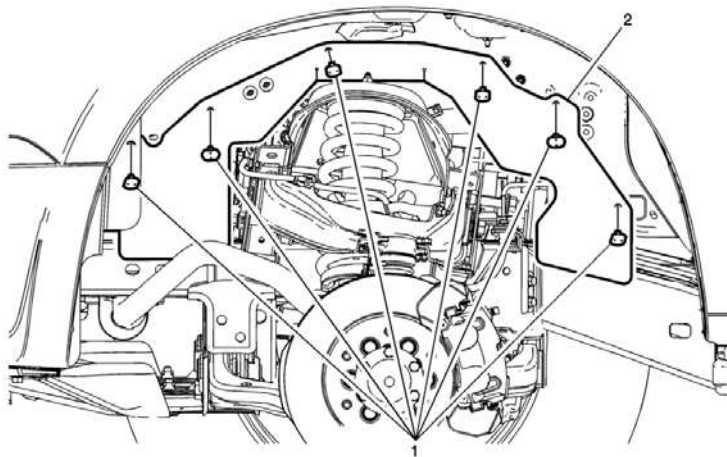
**Caution:** Refer to Fastener Caution.

2. Install 4 bolts in the frame and tighten to **56 Y (41 lb ft)**.
3. Install the rear shield, if equipped. Refer to Engine Protection Shield Replacement.
4. Remove the supports and lower the vehicle.

## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:



Engine Lower Front Splash Shield Replacement

### Callout

### Component Name

1

Engine Lower Front Splash Shield Push-in Retainers (Qty: 6)

**Caution:** Refer to Fastener Caution.

Engine Lower Front Splash Shield

2

### Procedure

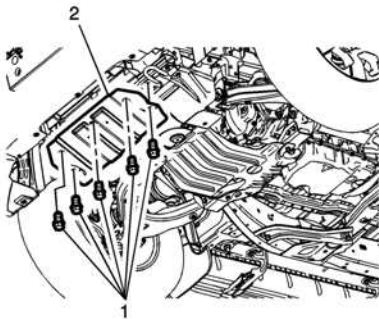
Slide the front edge of the front splash shield from under the front fender liner.

## 2013 Chevrolet Colorado

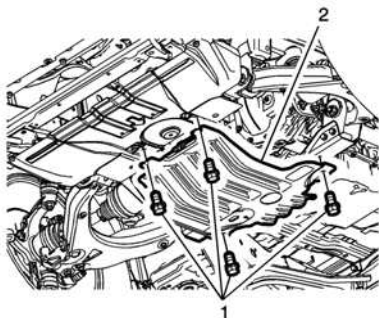
Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:

### Removal Procedure

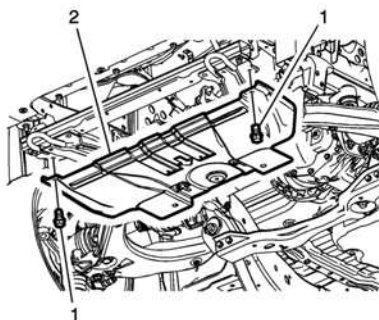
1. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.



2. Remove the front shield bolts (1).
3. Remove the front shield (2) from the vehicle.

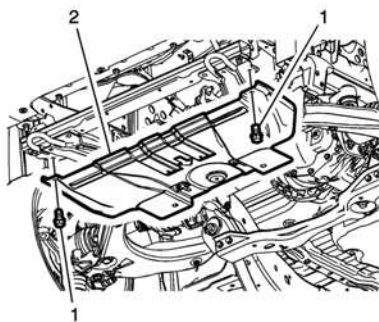


4. Remove the rear shield bolts (1).
5. Remove the rear shield (2) from the vehicle.



6. Remove the center shield bolts (1).
7. Remove the center shield (2) from the vehicle.

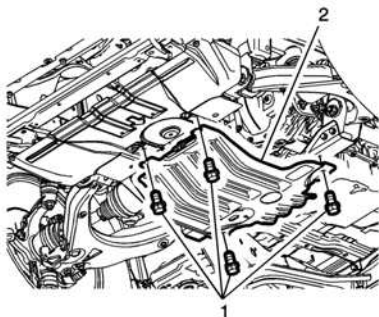
### Installation Procedure



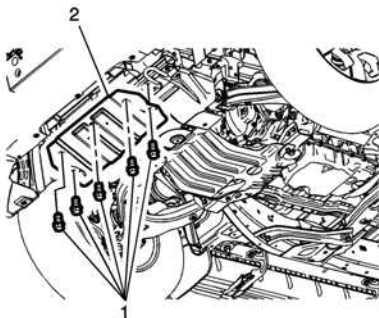
1. Install the center shield (2) on the vehicle.

**Caution:** Refer to Fastener Caution.

2. Install the center shield bolts (1) and tighten to **51 Y (38 lb ft)**.



3. Install the rear shield (2) on the vehicle.
4. Install the rear shield bolts (1) and tighten to **51 Y (38 lb ft)**.

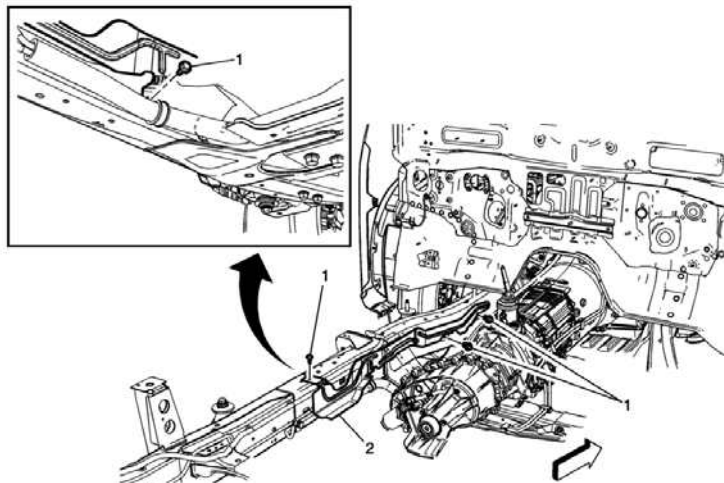


5. Install the front shield on the vehicle (2).
6. Install the front shield bolts (1) and tighten to **51 Y (38 lb ft)**.
7. Lower the vehicle.

## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:



Exhaust Heat Shield Replacement - Frame

### Callout

### Component Name

**Warning:** Refer to Exhaust Service Warning.

**Warning:** Refer to Eye Protection Warning.

### Preliminary Procedure

Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.

**Caution:** Refer to Fastener Caution.

Exhaust Heat Shield Fasteners (Qty :4)

1

### Tighten

9 Y (81 lb in).

2

Exhaust Heat Shield

2013 Chevrolet Colorado

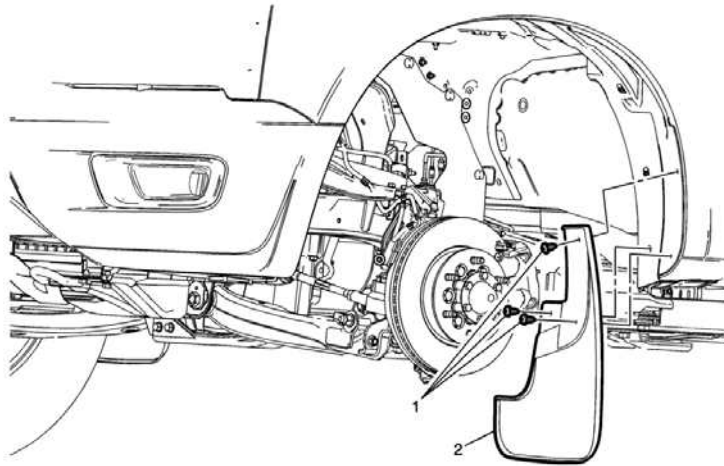
Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:

Fastener Tightening Specifications

| Application                                                   | Specification |            |
|---------------------------------------------------------------|---------------|------------|
|                                                               | Metric        | English    |
| Assist Step Bolt                                              | 22 Y          | 16 lb ft   |
| Assist Step Bracket Bolt                                      | 22 Y          | 16 lb ft   |
| Assist Step Bracket Nut                                       | 22 Y          | 16 lb ft   |
| Body Mount Upper and Lower Cushion Bolt                       | 115 Y         | 85 lb ft   |
| Crossmember Frame Reinforcement Bolts                         | 106 Y         | 78 lb ft   |
| Drivetrain and Front Suspension Frame Front Crossmember Bolts | 56 Y          | 41 lb ft   |
| Drivetrain and Front Suspension Frame Front Insulator Bolts   | 115 Y         | 85 lb ft   |
| Front Engine Protection Shield Bolts (All)                    | 51 Y          | 38 lb ft   |
| Front Tow Hook to Frame Bolts                                 | 56 Y          | 41 lb ft   |
| Rear Tow Hook to Frame Bolts                                  | 62 Y          | 46 lb ft   |
| Trailer Hitch to Frame Bolts                                  | 150 Y         | 110 lb ft  |
| Transmission Crossmember to Frame Bolts                       | 67 Y          | 49 lb ft   |
| Transmission Mount to Support Nuts                            |               |            |
| • First Pass                                                  | 50 Y          | (37 lb ft) |
| • Final Pass                                                  | + 90 degrees  |            |

## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:



Front Fender Mud Flap Guard Replacement

### Callout

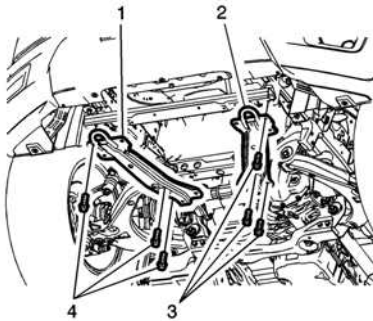
### Component Name

- |   |                                             |
|---|---------------------------------------------|
|   | Front Fender Mud Flap Guard Screws (Qty: 3) |
|   | <b>Caution:</b> Refer to Fastener Caution.  |
| 1 | <b>Tighten</b>                              |
|   | 5 Y (44 lb in)                              |
| 2 | Front Fender Mud Flap Guard                 |

## 2013 Chevrolet Colorado

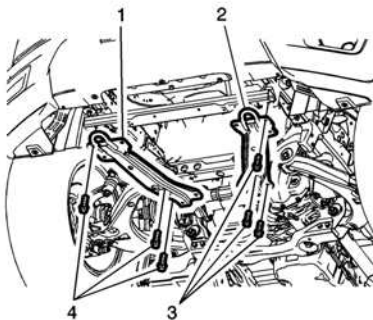
Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:

### Removal Procedure



1. Remove the engine protection shields. Refer to Engine Protection Shield Replacement.
2. Remove the bolt from the power steering gear inlet hose. Refer to Power Steering Gear Inlet Pipe/Hose Replacement.
3. Remove the right tow hook brace bolts (4) from the frame rail.
4. Remove the right tow hook brace (1) from the vehicle.
5. Remove the left tow hook bolts (3) from the frame rail.
6. Remove the left tow hook brace (2) from the vehicle.

### Installation Procedure



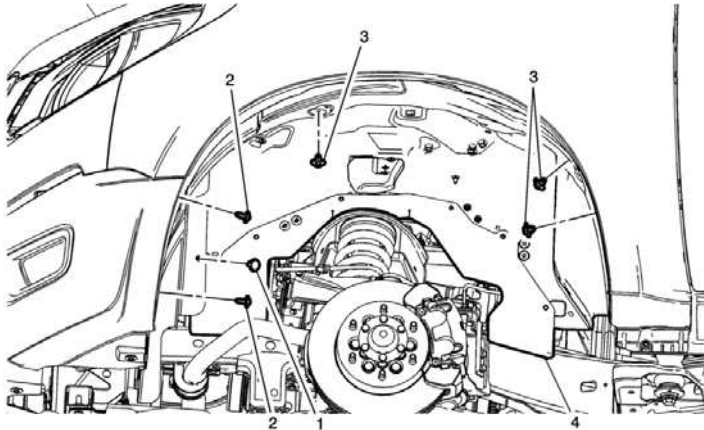
1. Install the left tow hook brace (2) to the frame rail.

**Caution:** Refer to Fastener Caution

2. Tighten the left tow hook bolts (3) to **56 Y (41 lb ft)**.
3. Install the right tow hook brace (1) to the frame rail.
4. Tighten the right tow hook bolts (4) to **56 Y (41 lb ft)**.
5. Install the bolt to the power steering gear inlet hose. Refer to Power Steering Gear Inlet Pipe/Hose Replacement.
6. Install the engine protection shields. Refer to Engine Protection Shield Replacement.

## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:



Front Wheelhouse Liner Replacement

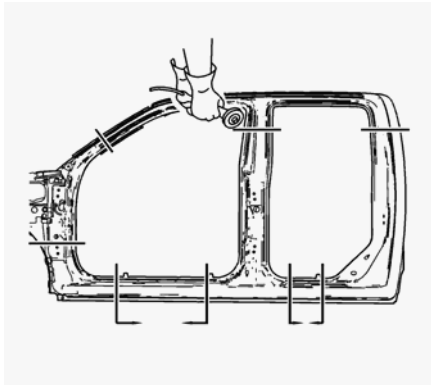
| Callout                      | Component Name                                                                            |
|------------------------------|-------------------------------------------------------------------------------------------|
| <b>Preliminary Procedure</b> |                                                                                           |
| 1.                           | Remove the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.     |
| 2.                           | Remove the front fender mud flap guard. Refer to Front Fender Mud Flap Guard Replacement. |
| 1                            | Front Wheelhouse Liner Push-in Retainer                                                   |
|                              | Front Wheelhouse Liner Screw (Qty: 2)                                                     |
| 2                            | <b>Caution:</b> Refer to Fastener Caution.                                                |
|                              | <b>Tighten</b>                                                                            |
|                              | 5 Y (44 lb in)                                                                            |
| 3                            | Front Wheelhouse Liner Push-in Retainers (Qty: 3)                                         |
| 4                            | Front Wheelhouse Liner                                                                    |

## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:

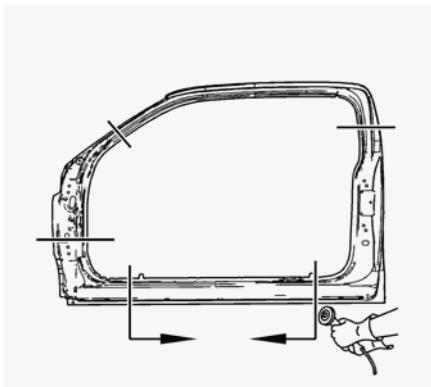
---

### Sectioning Locations

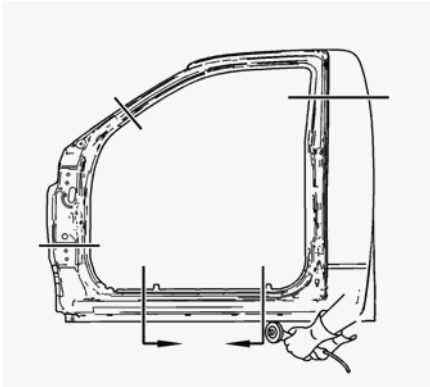


**Important:** Section in specified areas only. Sectioning outside of these areas may compromise the structural integrity of the vehicle.

- The crew cab pick-up has identical passenger and driver side door frames. Refer to the following procedures for specific instructions:
  - Rocker Outer Panel Sectioning
  - Front Hinge Pillar Sectioning
  - Center Pillar Sectioning
  - Rear Pillar Sectioning
  - Outer Windshield Frame Pillar Sectioning



- The extended cab pick-up has identical passenger and driver side door frames. Refer to the following procedures for specific instructions:
  - Rocker Outer Panel Sectioning
  - Front Hinge Pillar Sectioning
  - Rear Pillar Sectioning
  - Outer Windshield Frame Pillar Sectioning



- The regular pick-up has identical passenger and driver side door frames. Refer to the following procedures for specific instructions:
  - Rocker Outer Panel Sectioning
  - Front Hinge Pillar Sectioning
  - Rear Pillar Sectioning
  - Outer Windshield Frame Pillar Sectioning

## 2013 Chevrolet Colorado

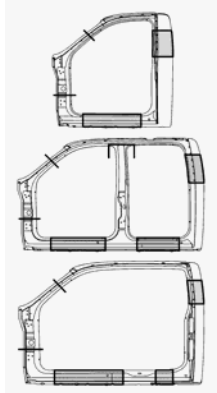
**Submodel:** | **Engine Type:** | **Liters:**  
**Fuel Delivery:** | **Fuel:**

### Removal Procedure

**Warning:** Refer to Approved Equipment for Collision Repair Warning.

**Warning:** Refer to Glass and Sheet Metal Handling Warning.

**Warning:** Refer to Collision Sectioning Warning.



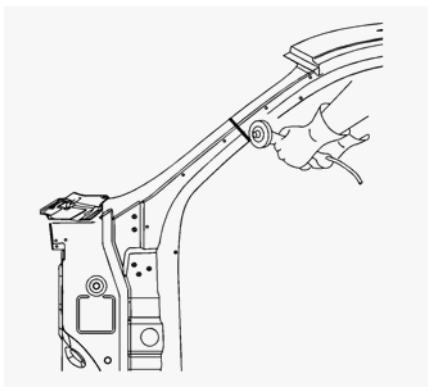
**Note:** The door frame can be replaced at the factory seams, but requires the removal of the windshield, roof, and quarter panel. The sectioning procedures have been developed as a more cost-effective alternative to complete replacement. The specific area to be sectioned is determined by the extent of the damage to the vehicle.

1. Disable the SIR system. Refer to SIR Disabling and Enabling.
2. Disconnect the negative battery cable. Refer to Battery Negative Cable Disconnection and Connection.
3. Remove all related panels and components.
4. Repair as much of the damage as possible to factory specifications. Refer to Dimensions - Body.

**Warning:** Refer to Foam Sound Deadeners Warning.

5. Note the location and remove the sealers and anti-corrosion materials from the repair area, as necessary. Refer to Anti-Corrosion Treatment and Repair.
6. Perform additional sectioning procedures as necessary. Refer to the following procedures:

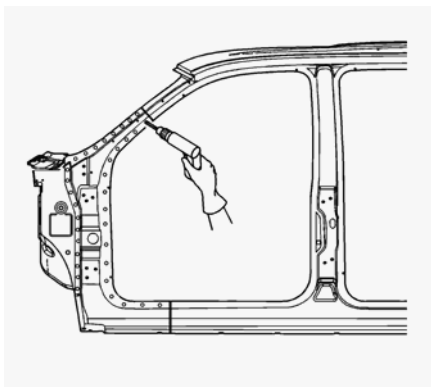
- Rocker Outer Panel Sectioning
- Front Hinge Pillar Sectioning
- Center Pillar Sectioning
- Rear Pillar Sectioning



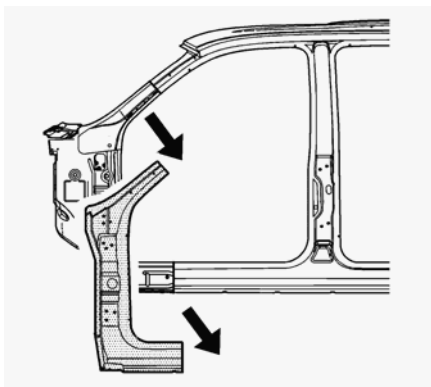
**Note:**

- Perform the sectioning in the flat area.
- Do not damage any inner panels or reinforcements.

- Perform the lower sectioning at 30 mm (1.18 in) from the inner reinforcement or choose the procedure that fits better according to the col
- Cut the panel in the locations where sectioning is to be performed.

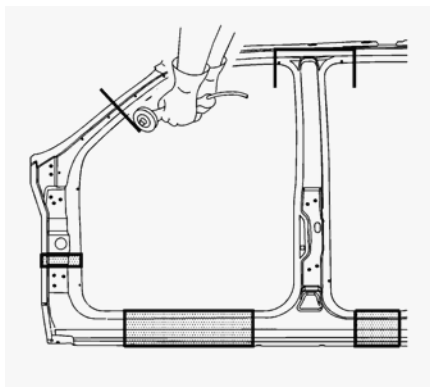


- Locate and drill out all factory welds. Note the number and location of the welds for installation of the service part.

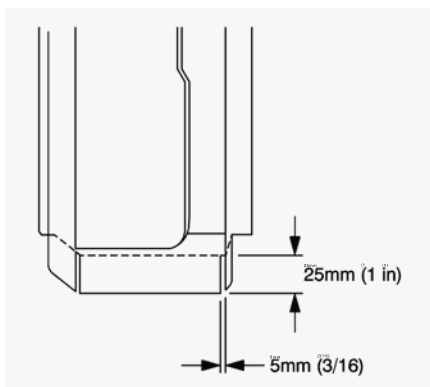


- Remove the damaged body side.

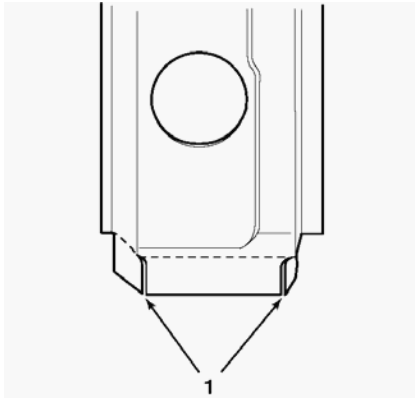
#### Installation Procedure



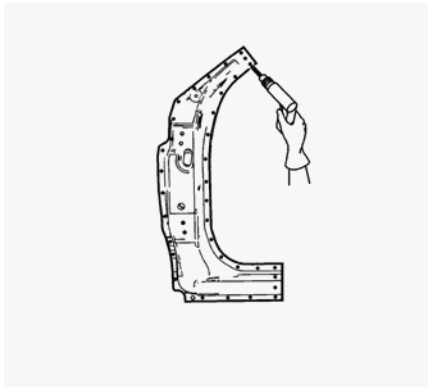
1. From the service part, cut the panel in corresponding locations to overlap the remaining original panel by 25 mm (1 in) at each joint loc



2. Cut and remove 25 mm (1 in) from the flanges on either side of the remaining section of the original pillar. Cut 5 mm (3/16 in) wide gaps at corners.

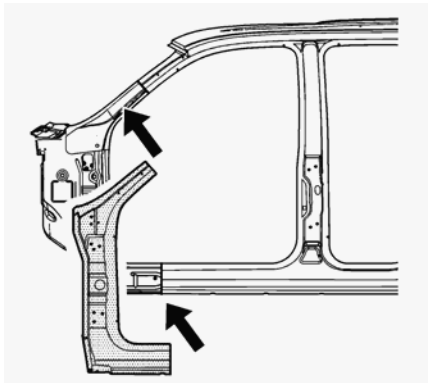


3. Step the tabs (1) inward to allow the door frame opening service section to fit over the original hinge pillar.

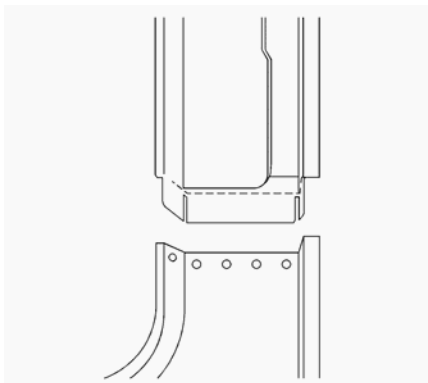


**Note:** If the location of the original plug weld holes can not be determined, or if structural weld-thru adhesive was present, space the plug every 40 mm (1 1/2 in) apart.

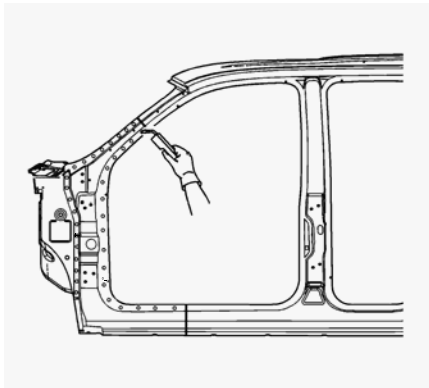
4. Drill 8 mm (5/16 in) plug weld holes in the service part as necessary in the locations noted from the original panel and along the section.
5. Prepare all attachment surfaces as necessary.
6. Apply Weld-Thru Coating or equivalent to all mating surfaces. Refer to Anti-Corrosion Treatment and Repair.



7. Position the body side to the vehicle using 3-dimensional measuring equipment. Clamp in place.



8. Fit the new part on the original panel.



9. Plug weld accordingly.

**Note:** To create a solid weld with minimum heat distortion, make 25 mm (1 in) stitch welds along the seam with 25 mm (1 in) gaps between welds. Complete the stitch weld.

10. Clean and prepare all welded surfaces.
11. Apply the sealers and anti-corrosion materials to the repair area, as necessary. Refer to Anti-Corrosion Treatment and Repair.
12. Paint the repair area. Refer to Basecoat/Clearcoat Paint Systems.
13. Install all related panels and components.
14. Connect the negative battery cable. Refer to Battery Negative Cable Disconnection and Connection.
15. Enable the SIR system. Refer to SIR Disabling and Enabling.

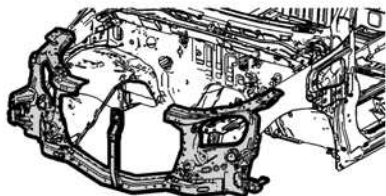
## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:

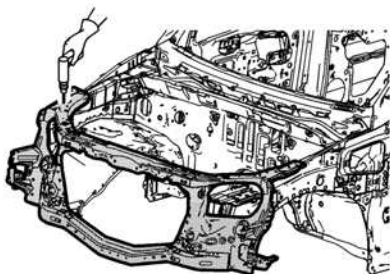
### Removal Procedure

**Warning:** Refer to Approved Equipment for Collision Repair Warning.

1. Disable the SIR system. Refer to SIR Disabling and Enabling.
2. Disconnect the negative battery cable. Refer to Battery Negative Cable Disconnection and Connection.

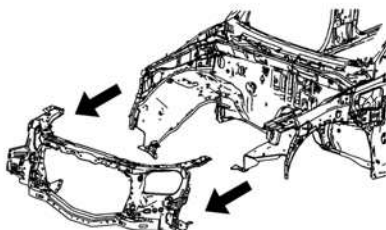


3. Remove all related panels and components.
4. Restore as much of the damage as possible to factory specifications. Refer to Dimensions - Body.
5. Note the location and remove the sealers and anti-corrosion materials from the repair area, as necessary. Refer to Anti-Corrosion Treatment.

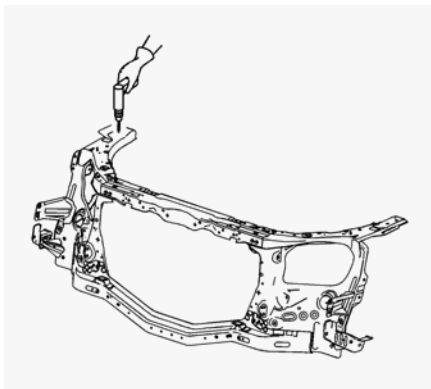


**Note:** Do not damage any inner panels or reinforcements.

6. Locate and drill out all factory welds. Note the number and location of welds for installation of the radiator support.

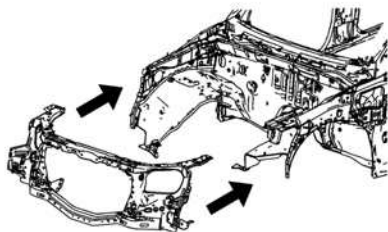


7. Remove the damaged radiator support.



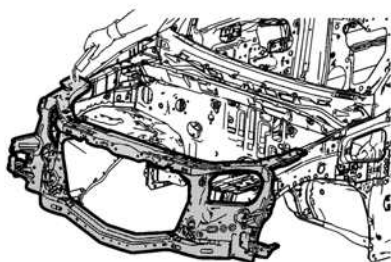
**Note:** If the location of the original plug weld holes can not be determined, or if structural weld-thru adhesive is present, space the plug w 40 mm (1½ in) apart.

1. Drill 8 mm (5/16 in) plug weld holes as necessary in locations noted from the original panel.
2. Prepare all mating surfaces as necessary.
3. Apply Weld-Thru coating or equivalent to all mating surfaces. Refer to Anti-Corrosion Treatment and Repair.

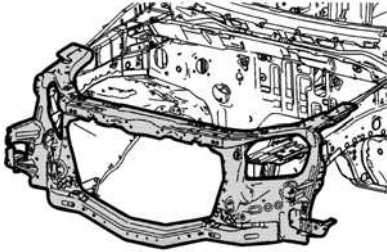


**Note:** You may need to lift the body to install the radiator support.

4. Position the radiator support.



5. Plug weld accordingly.

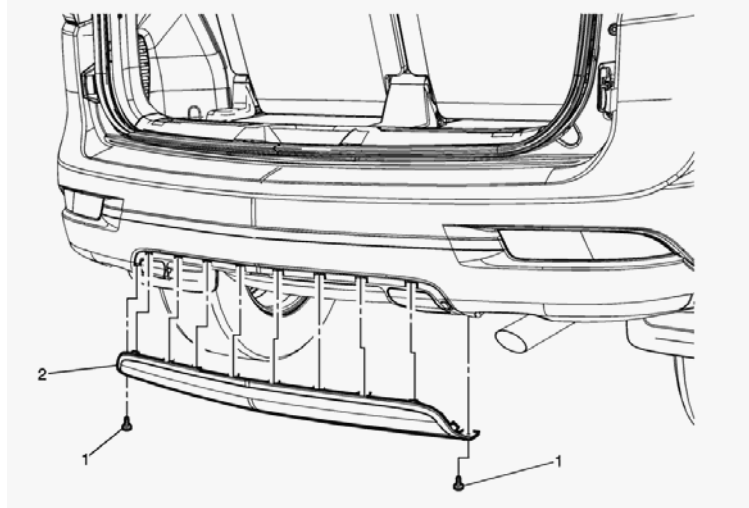


6. Clean and prepare all welded surfaces.
7. Apply the sealers and anti-corrosion materials to the repair area, as necessary. Refer to Anti-Corrosion Treatment and Repair.
8. Paint and repair the area. Refer to Basecoat/Clearcoat Paint Systems.
9. Install all related panels and components.
10. Connect the negative battery cable. Refer to Battery Negative Cable Disconnection and Connection.
11. Enable the SIR system. Refer to SIR Disabling and Enabling.

## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:



Rear Bumper Fascia Lower Skid Plate Replacement

### Callout

### Component Name

1

Rear Bumper Fascia Lower Skid Plate Screw (Qty: 2)

**Caution:** Refer to Fastener Caution.

Rear Bumper Fascia Lower Skid Plate

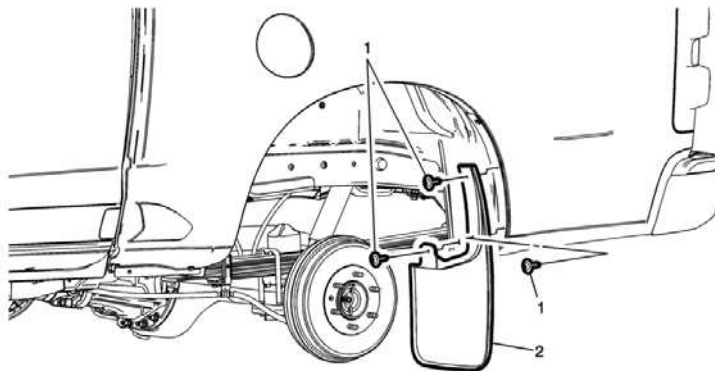
### Procedure

2

Carefully push a small nylon wedge between the rear fascia and the lower fascia skid plate. Insert a small flat-bladed tool into fascia slot and depress the snaps one at a time and pull on the rear fascia at the same time to gradually remove the lower fascia skid plate from the rear fascia.

## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:



Rear Mud Flap Guard Replacement

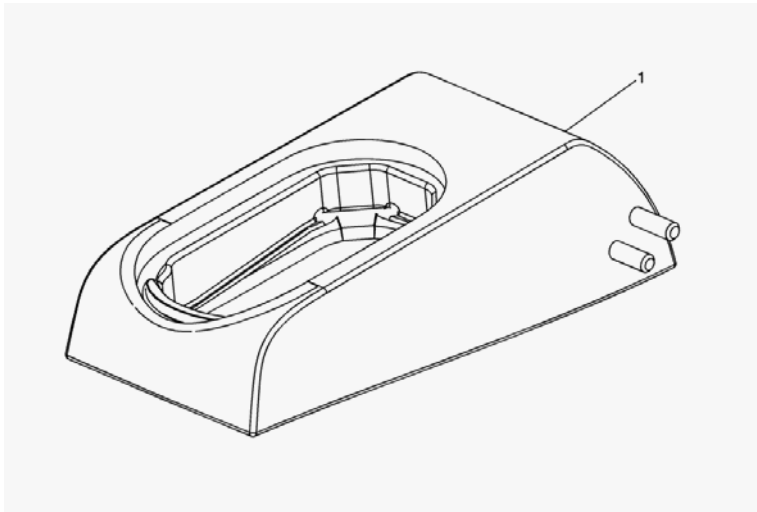
### Callout

### Component Name

- |   |                                            |
|---|--------------------------------------------|
|   | Rear Mud Flap Guard Screw (Qty: 3)         |
|   | <b>Caution:</b> Refer to Fastener Caution. |
| 1 | <b>Tighten</b>                             |
|   | 5 Y (44 lb in)                             |
| 2 | Rear Mud Flap Guard                        |

# 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:

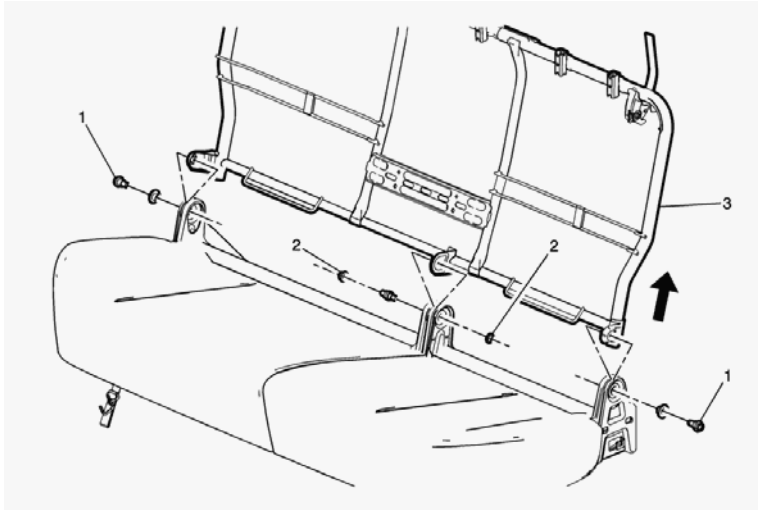


Rear Seat Armrest Frame Replacement

| Callout                                                                                                                                                                                                                         | Component Name                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>Preliminary Procedure</b>                                                                                                                                                                                                    |                                                       |
| <ol style="list-style-type: none"><li>1. Remove the rear seat armrest cup holder. Refer to Rear Seat Armrest Cup Holder Replacement.</li><li>2. Remove the rear seat armrest. Refer to Rear Seat Armrest Replacement.</li></ol> |                                                       |
|                                                                                                                                                                                                                                 | Rear Seat Amrest Frame                                |
| 1                                                                                                                                                                                                                               | <b>Procedure</b><br>Transfer components as necessary. |

# 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:



Rear Seat Back Cushion Frame Replacement

| Callout                | Component Name |
|------------------------|----------------|
| Preliminary Procedures |                |

1. Remove rear seat. Refer to Rear Seat Removal and Installation.
2. Remove rear seat back cushion cover and pad. Refer to Rear Seat Back Cushion Cover and Pad Replacement.

Rear Seat Back Cushion Frame Bolt (Qty: 2)

**Caution:** Refer to Fastener Caution.

1

**Tighten**

9 Y (80 lb in)

Rear Seat Back Cushion Frame Nut (Qty: 2)

2

**Tighten**

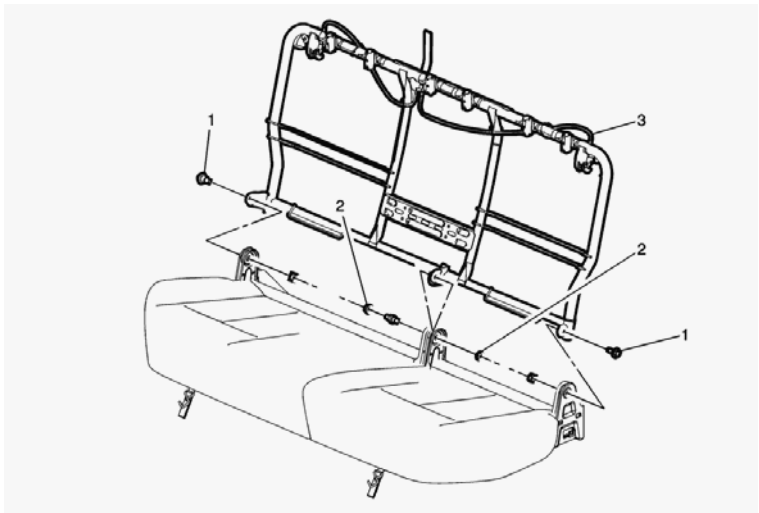
9 Y (80 lb in)

3

Rear Seat Back Cushion Frame

# 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:



Rear Seat Back Cushion Frame Replacement

**Callout**  
**Preliminary Procedures**

**Component Name**

- 1. Remove rear seat. Refer to Rear Seat Removal and Installation.
- 2. Remove rear seat back cushion cover and pad. Refer to Rear Seat Back Cushion Cover and Pad Replacement.

Rear Seat Back Cushion Frame Bolt (Qty: 2)

- 1 **Caution:** Refer to Fastener Caution.

**Tighten**

9 Y (80 lb in)

Rear Seat Back Cushion Frame Nut (Qty: 2)

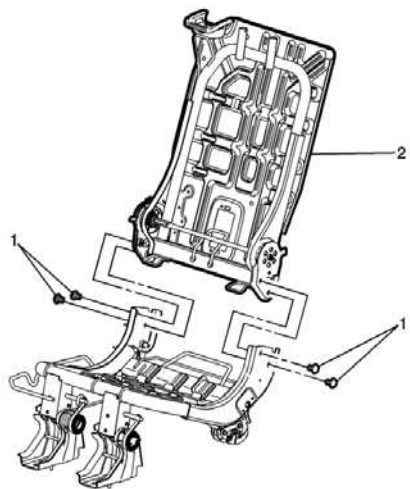
- 2 **Tighten**

9 Y (80 lb in)

- 3 Rear Seat Back Cushion Frame

# 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:



Rear Seat Back Cushion Frame Replacement

| Callout                | Component Name |
|------------------------|----------------|
| Preliminary Procedures |                |

1. Remove the rear seat. Refer to Rear Seat Removal and Installation.
2. Remove the rear seat head restraint guide. Refer to Rear Seat Head Restraint Guide Replacement.
3. Remove the rear seat cushion latch release handle. Refer to Rear Seat Back Cushion Latch Release Handle Replacement.
4. Remove the rear seat recliner inner finish cover. Refer to Rear Seat Recliner Inner Finish Cover Replacement.
5. Remove the child seat bracket trim cover. Refer to Child Seat Bracket Trim Cover Replacement.
6. Remove the rear seat belt guide trim cover. Refer to Rear Seat Belt Guide Trim Cover Replacement.
7. Remove the rear seat back cushion latch cover. Refer to Rear Seat Back Cushion Latch Cover Replacement.

Rear Seat Back Cushion Frame Bolt (Qty: 4)

1 **Caution:** Refer to Fastener Caution.

**Tighten**

45 Y (33 lb ft)

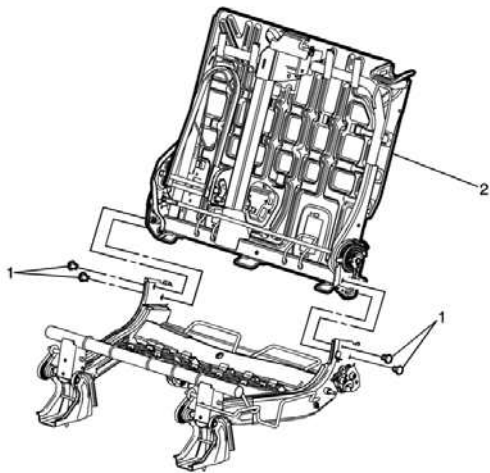
Rear Seat Back Cushion Frame

2 **Procedure**

When replacing the frame assembly with a new unit, transfer components as necessary.

# 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:



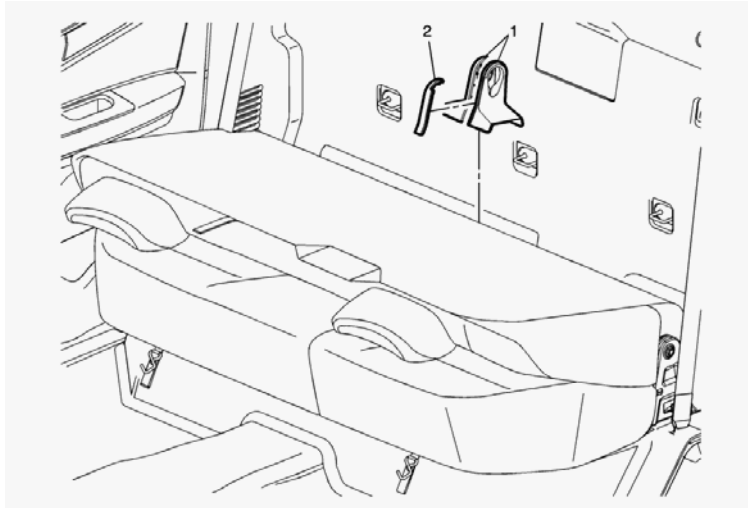
Rear Seat Back Cushion Frame Replacement

| Callout                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Component Name                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Preliminary Procedures</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                          |
| <ol style="list-style-type: none"><li>1. Remove the rear seat. Refer to Rear Seat Removal and Installation.</li><li>2. Remove the rear seat head restraint guide. Refer to Rear Seat Head Restraint Guide Replacement.</li><li>3. Remove the rear seat cushion latch release handle. Refer to Rear Seat Back Cushion Latch Release Handle Replacement.</li><li>4. Remove the rear seat recliner inner finish cover. Refer to Rear Seat Recliner Inner Finish Cover Replacement.</li><li>5. Remove the child seat bracket trim cover. Refer to Child Seat Bracket Trim Cover Replacement.</li><li>6. Remove the rear seat belt guide trim cover. Refer to Rear Seat Belt Guide Trim Cover Replacement.</li><li>7. Remove the rear seat back cushion latch cover. Refer to Rear Seat Back Cushion Latch Cover Replacement.</li><li>8. Remove the rear center seat belt retractor. Refer to Rear Center Seat Belt Retractor Replacement.</li></ol> |                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Rear Seat Back Cushion Frame Bolt (Qty: 4)                                                               |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Caution:</b> Refer to Fastener Caution.<br><b>Tighten</b><br>45 Y (33 lb ft)                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Rear Seat Back Cushion Frame                                                                             |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Procedure</b><br>When replacing the frame assembly with a new unit, transfer components as necessary. |

## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:



Rear Seat Cushion Frame Bracket Trim Cover Replacement

### Callout

### Component Name

#### Preliminary Procedures

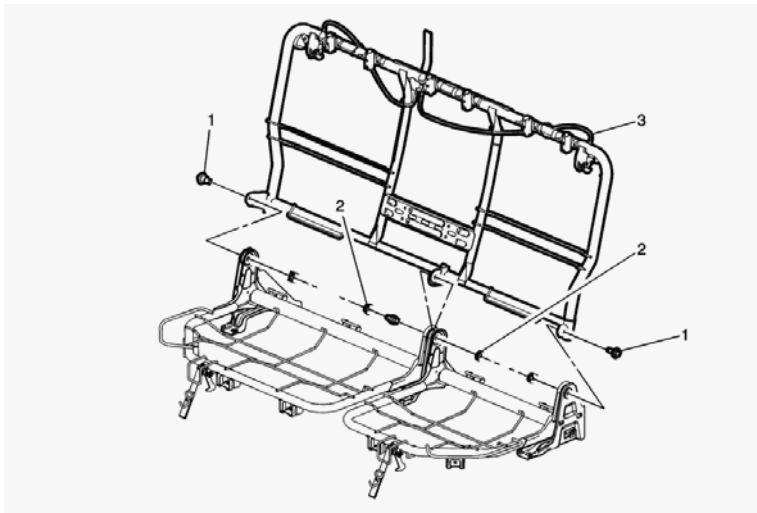
1. Remove rear seat. Refer to Rear Seat Removal and Installation.
2. Remove rear seat cushion. Refer to Rear Seat Cushion Frame Replacement.
3. Remove rear seat cushion cover and pad. Refer to Rear Seat Cushion Cover and Pad Replacement.

1 Rear Seat Cushion Frame Bracket Trim Cover

2 Rear Seat Cushion Frame Bracket Trim Center Cover

# 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:



Rear Seat Cushion Frame Replacement

**Callout**  
**Preliminary Procedures**

**Component Name**

- 1. Remove rear seat. Refer to Rear Seat Removal and Installation.
- 2. Remove rear seat cushion cover and pad. Refer to Rear Seat Cushion Cover and Pad Replacement.

Rear Seat Cushion Frame Bolt (Qty: 2)

**Caution:** Refer to Fastener Caution.

1

**Tighten**

9 Y (80 lb in)

Rear Seat Cushion Frame Nut (Qty: 2)

2

**Tighten**

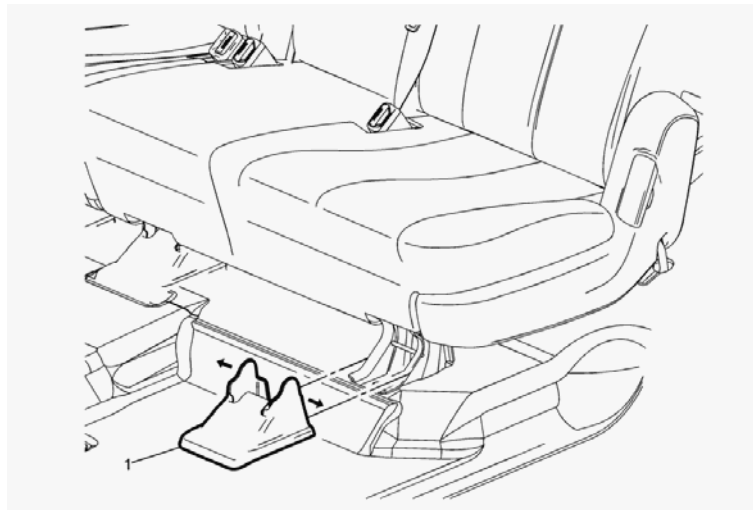
9 Y (80 lb in)

3

Rear Seat Cushion Frame

## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:



Rear Seat Frame Front Finish Cover Replacement - Lower

### Callout

### Component Name

Rear Seat Frame Front Finish Cover

**Caution:** Do not twist the cover during removal. Twisting the cover may cause the component to break.

### Procedure

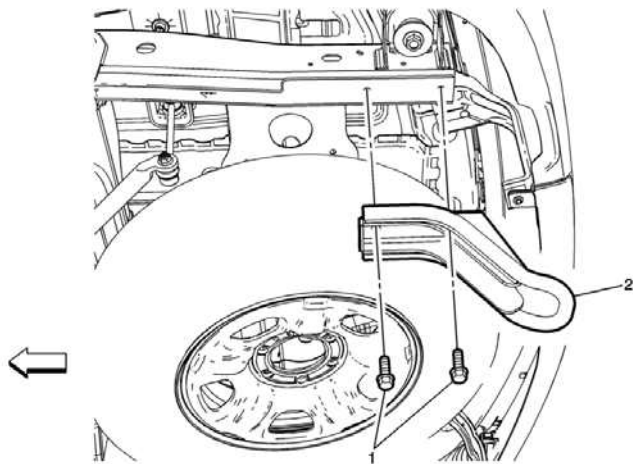
1

1. Grasp the sides of the finish cover and carefully disengage the from the seat cushion frame by pulling outboard near bottom of the finish cover.
2. Slide the finish cover rearward to disengage it from the seat cushion frame.

## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:



Rear Tow Hook Replacement

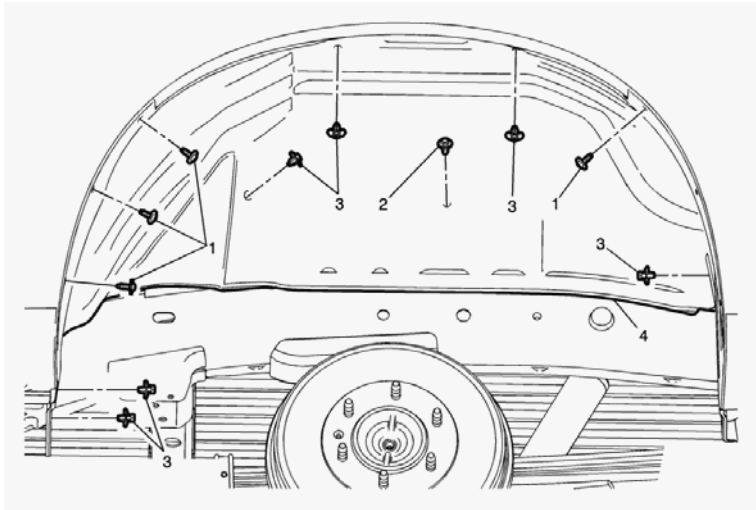
### Callout

### Component Name

- |   |                                            |
|---|--------------------------------------------|
|   | Tow Hook Bolt (Qty: 2)                     |
| 1 | <b>Caution:</b> Refer to Fastener Caution. |
|   | <b>Tighten</b>                             |
|   | 62 Y (46 lb ft)                            |
| 2 | Tow Hook                                   |

# 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:



Rear Wheelhouse Liner Replacement

| Callout                | Component Name |
|------------------------|----------------|
| Preliminary Procedures |                |

1. Remove the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.
2. Remove the rear mud flap guard. Refer to Rear Mud Flap Guard Replacement.

Rear Wheelhouse Panel Liner Screw (Qty: 4)

- 1 **Caution:** Refer to Fastener Caution.

**Tighten**

5 Y (44 lb in)

Rear Wheelhouse Panel Liner Bolt

- 2 **Tighten**

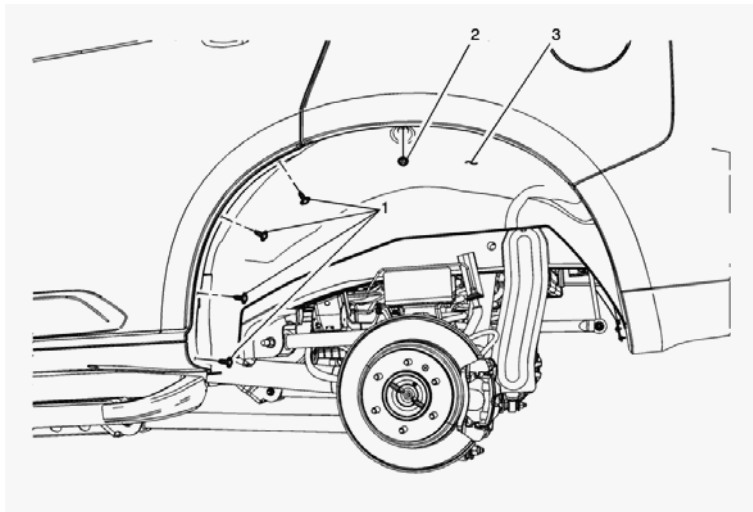
5 Y (44 lb in)

- 3 Rear Wheelhouse Panel Liner Push-In Retainer (Qty: 6)

- 4 Rear Wheelhouse Panel Liner

## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:



Rear Wheelhouse Liner Replacement

| Callout                                                                                  | Component Name                             |
|------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>Preliminary Procedures</b>                                                            |                                            |
| 1. Remove the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation. |                                            |
| 2. Remove the rear mud flap guard. Refer to Rear Mud Flap Guard Replacement.             |                                            |
| Rear Wheelhouse Panel Liner Screw (Qty: 4)                                               |                                            |
| 1                                                                                        | <b>Caution:</b> Refer to Fastener Caution. |
|                                                                                          | <b>Tighten</b><br>5 Y (44 lb in)           |
| Rear Wheelhouse Panel Liner Nut                                                          |                                            |
| 2                                                                                        | <b>Tighten</b><br>5 Y (44 lb in)           |
|                                                                                          | Rear Wheelhouse Panel Liner                |
| 3                                                                                        |                                            |

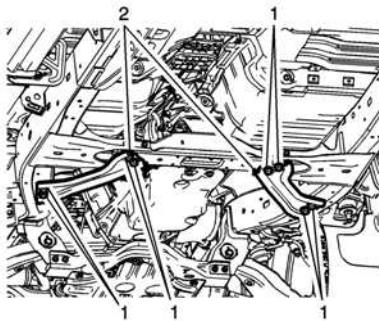
## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

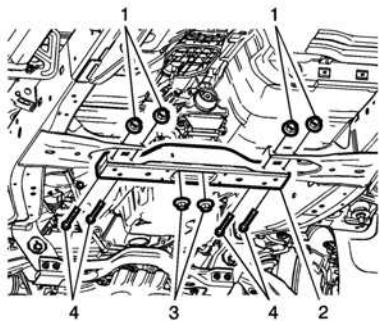
Fuel Delivery: | Fuel:

### Removal Procedure

1. Raise the vehicle. Refer to Lifting and Jacking the Vehicle.
2. Support the transmission assembly with a suitable jack.

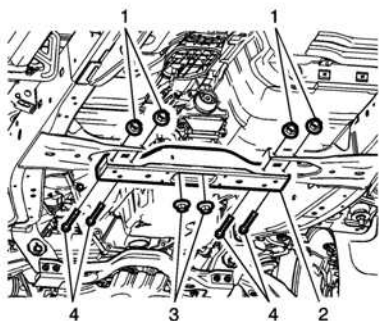


3. Remove the crossmember brace bolts (1).
4. Remove the crossmember braces (2) from the vehicle.



5. Remove the transmission mount fasteners (3).
6. Remove the crossmember mounting nuts (1) and bolts (4).
7. Remove the crossmember (2) from the vehicle.

### Installation Procedure

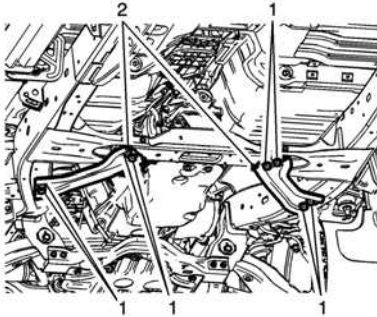


1. Install the crossmember (2) to the vehicle.
2. Perform the following procedure before installing the bolts (4).

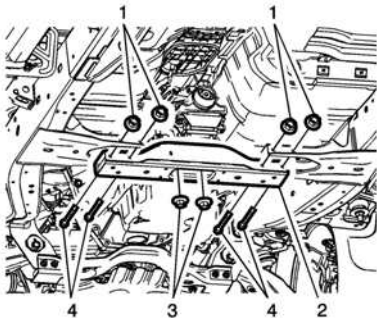
- Remove all traces of the original adhesive patch.
- Clean the threads of the bolt with denatured alcohol or equivalent and allow to dry.
- Apply threadlocker. Refer to Adhesives, Fluids, Lubricants, and Sealers.

**Caution:** Refer to Fastener Caution.

- Install the bolts (4) and the nuts (1) and tighten to **60 Y (44 lb ft)**.



- Install the crossmember braces (2) to the vehicle.
- Install the crossmember brace bolts (1) and tighten to **106 Y (78 lb ft)**.



- Install the transmission mount lower fasteners (3) and tighten to **50 Y (37 lb ft) + 90 degrees**.
- Lower the vehicle.

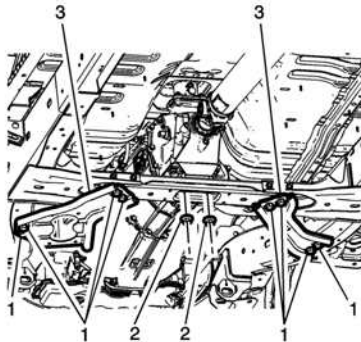
## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

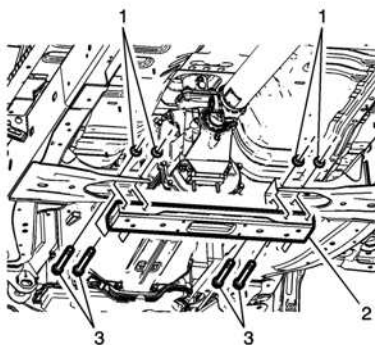
Fuel Delivery: | Fuel:

### Removal Procedure

1. Raise the vehicle. Refer to Lifting and Jacking the Vehicle.
2. Support the transmission assembly with a suitable jack.
3. If equipped, remove the fuel feed pipe and emission pipe bracket from the crossmember.

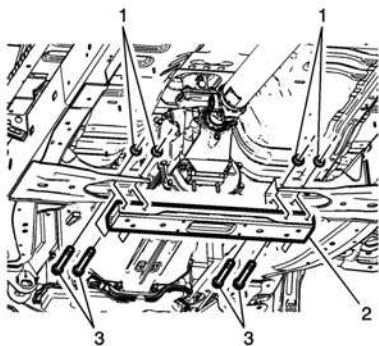


4. Remove the crossmember brace bolts (1).
- Note:** It is not necessary to remove the left crossmember brace from the vehicle.
5. Remove the right crossmember brace (3) from the vehicle.
  6. Remove the 2 left brace to crossmember bolts (1) leaving the left brace on the vehicle.
  7. Remove the transmission mount fasteners (2).



8. Remove the crossmember mounting nuts (1) and bolts (3).
9. Slide to the side the crossmember (2) from the vehicle.

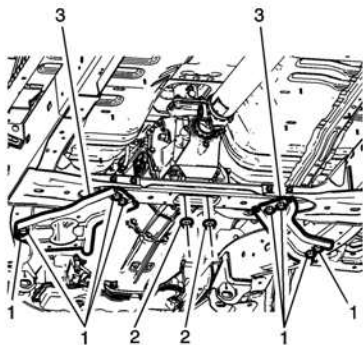
### [Installation Procedure](#)



1. Install the crossmember (2) to the vehicle.
2. Perform the following procedure before installing the bolts (3).
  1. Remove all traces of the original adhesive patch.
  2. Clean the threads of the bolt with denatured alcohol or equivalent and allow to dry.
  3. Apply threadlocker. Refer to Adhesives, Fluids, Lubricants, and Sealers.

**Caution:** Refer to Fastener Caution.

3. Install the bolts (3) and the nuts (1) and tighten to **67 Y (49 lb ft)**.



4. Install the right crossmember brace (3) to the vehicle.
5. Install the crossmember brace bolts (1) and tighten to **106 Y (78 lb ft)**.
6. Install the transmission mount lower fasteners (2) and tighten to **50 Y (37 lb ft) + 90 degrees**.
7. If equipped, install the fuel feed pipe and emission pipe bracket on the crossmember.
8. Lower the vehicle.

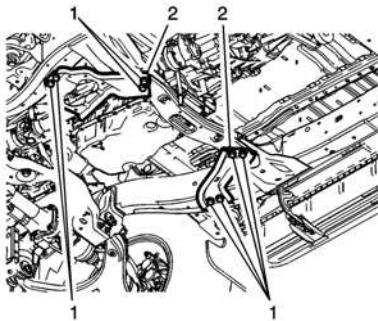
## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

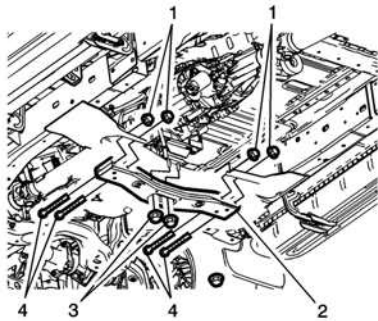
Fuel Delivery: | Fuel:

### Removal Procedure

1. Raise the vehicle. Refer to Lifting and Jacking the Vehicle.
2. Support the transmission assembly with a suitable jack.

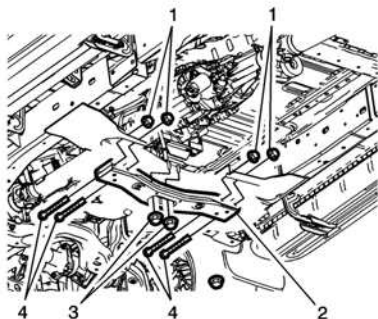


3. Remove the crossmember brace bolts (1).
4. Remove the crossmember braces (2) from the vehicle.



5. Remove the transmission mount fasteners (3).
6. Remove the crossmember mounting nuts (1) and bolts (4).
7. Remove the crossmember (2) from the vehicle.

### Installation Procedure

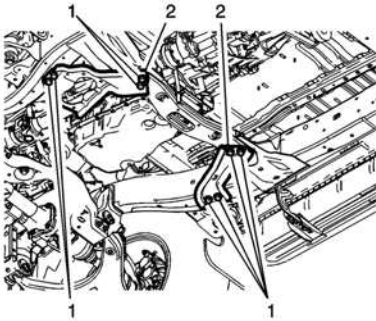


1. Install the crossmember (2) to the vehicle.
2. Perform the following procedure before installing the bolts (4).

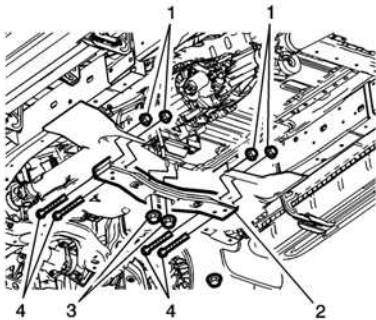
1. Remove all traces of the original adhesive patch.
2. Clean the threads of the bolt with denatured alcohol or equivalent and allow to dry.
3. Apply threadlocker. Refer to Adhesives, Fluids, Lubricants, and Sealers.

**Caution:** Refer to Fastener Caution.

3. Install the bolts (4) and the nuts (1) and tighten to **60 Y (44 lb ft)**.



4. Install the crossmember braces (2) to the vehicle.
5. Install the crossmember brace bolts (1) and tighten to **106 Y (78 lb ft)**.



6. Install the transmission mount lower fasteners (3) and tighten to **50 Y (37 lb ft) + 90 degrees**.
7. Lower the vehicle.

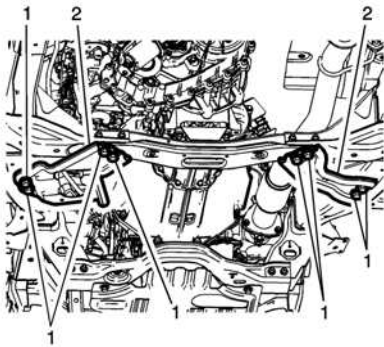
## 2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

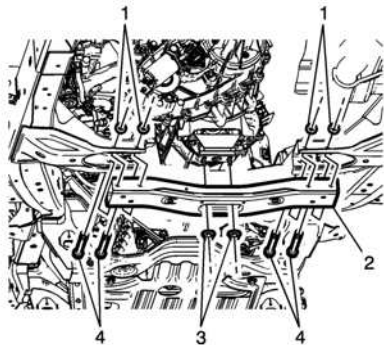
Fuel Delivery: | Fuel:

### Removal Procedure

1. Raise the vehicle. Refer to Lifting and Jacking the Vehicle.
2. Support the transmission assembly with a suitable jack.

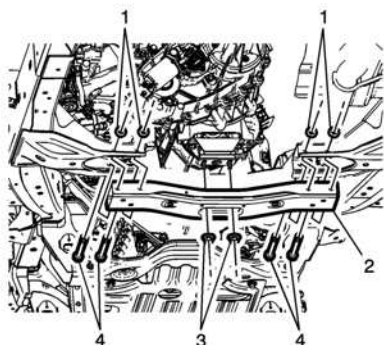


3. Loosen the crossmember brace bolts (1).



4. Remove the transmission mount fasteners (3).
5. Remove the crossmember mounting nuts (1) and bolts (4).
6. Remove the crossmember (2) from the vehicle.

### Installation Procedure

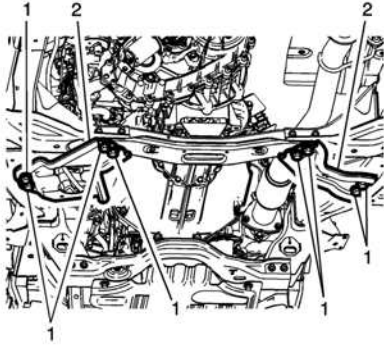


1. Install the crossmember (2) to the vehicle.
2. Perform the following procedure before installing the bolts (4).

1. Remove all traces of the original adhesive patch.
2. Clean the threads of the bolt with denatured alcohol or equivalent and allow to dry.
3. Apply threadlocker. Refer to Adhesives, Fluids, Lubricants, and Sealers.

**Caution:** Refer to Fastener Caution.

3. Install the bolts (4) and the nuts (1) and tighten to **67 Y (49 lb ft)**.
4. Install the transmission mount lower fasteners (3) and tighten to **50 Y (37 lb ft) + 90 degrees**.



5. Tighten the crossmember brace bolts (1) to **106 Y (78 lb ft)**.
6. Install the transmission mount fasteners (3).
7. Lower the vehicle.

## 2013 Chevrolet Colorado

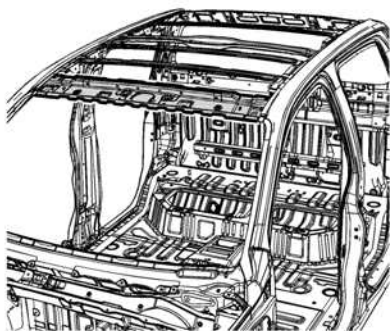
Submodel: | Engine Type: | Liters:  
Fuel Delivery: | Fuel:

**Note:** This procedure is similar to all cabs.

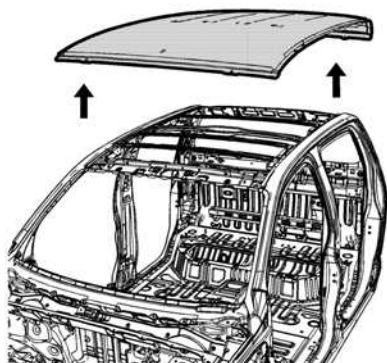
### [Removal Procedure](#)

**Warning:** Refer to Approved Equipment for Collision Repair Warning.

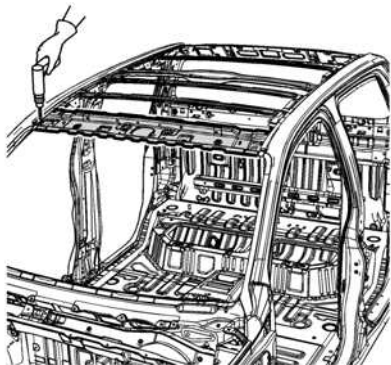
1. Disable the SIR system. Refer to SIR Disabling and Enabling.
2. Disconnect the negative battery cable. Refer to Battery Negative Cable Disconnection and Connection.



3. Remove all related panels and components.
4. Repair as much of the damage as possible to factory specifications. Refer to Dimensions - Body.
5. Note the location and remove the sealers and anticorrosion materials from the repair area, as necessary. Refer to Anti-Corrosion Treat Repair.

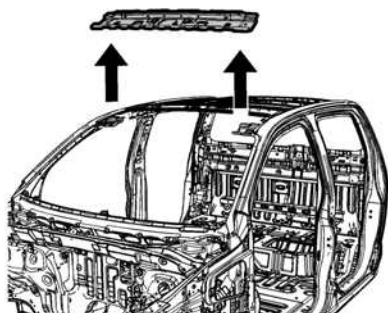


6. Remove the roof panel. Refer to Roof Outer Panel Replacement.
7. Note the location and remove the sealers and anti-corrosion materials from the repair area, as necessary. Refer to Anti-Corrosion Treat Repair.



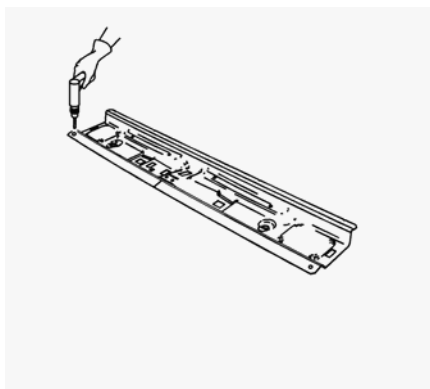
**Note:** Do not damage any inner panels or reinforcements.

8. Locate and drill out all factory welds. Note the number and location of welds for installation of the service part.



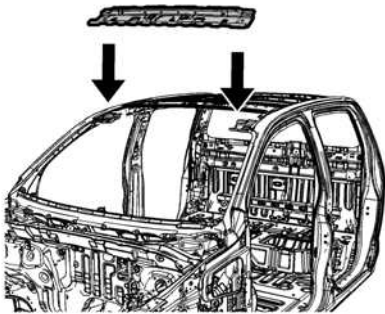
9. Remove the damaged windshield header panel.

#### Installation Procedure

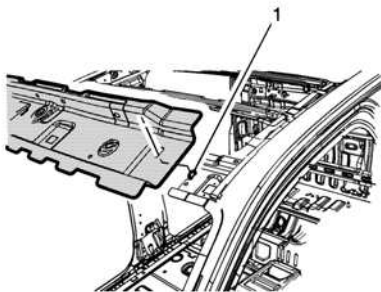


**Note:** If the location of the original plug weld holes can not be determined, or if structural weld-thru adhesive is present, space the plug w 40 mm (1½ in) apart.

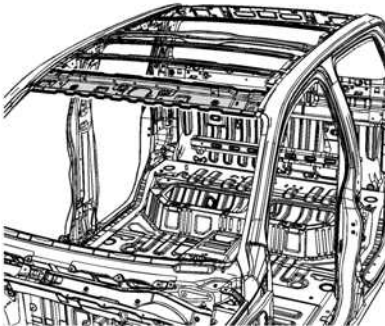
1. Drill 8 mm (5/16 in) plug weld holes in the service part as necessary in the locations noted from the original panel.
2. Prepare all mating surfaces as necessary.
3. Apply Weld-Thru coating or equivalent to all mating surfaces. Refer to Anti-Corrosion Treatment and Repair.



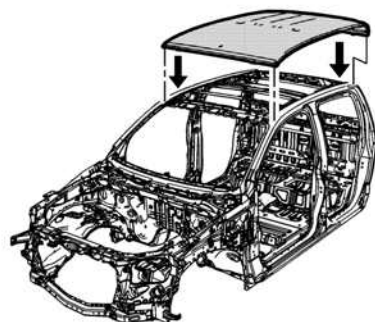
4. Position the windshield header panel.



5. Align the roof header panel over the locator tabs (1).



6. Plug weld accordingly.



7. Install the roof panel. Refer to Roof Outer Panel Replacement.
8. Clean and prepare all welded surfaces.
9. Apply the sealers and anti-corrosion materials to the repair area, as necessary. Refer to Anti-Corrosion Treatment and Repair.
10. Paint and repair the area. Refer to Basecoat/Clearcoat Paint Systems.
11. Install all related panels and components.

12. Connect the negative battery cable. Refer to Battery Negative Cable Disconnection and Connection.
13. Enable the SIR system. Refer to SIR Disabling and Enabling.