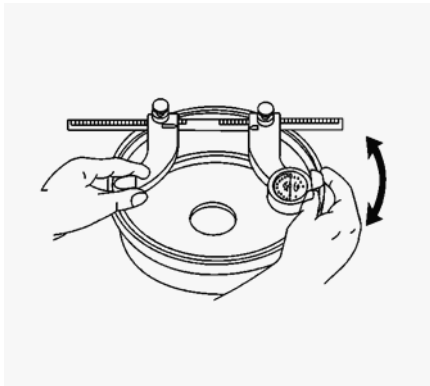


2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:



1. Clean the brake shoe lining contact surface of the brake drum with denatured alcohol or an equivalent brake cleaner.
2. Using a brake drum micrometer calibrated in thousands of an inch, measure and record the largest diameter of the brake drum at 4 or more spaced around the drum.

Ensure that the measurements are only taken within the brake shoe lining contact area and that the micrometer is positioned the same distance from the outside edge of the drum for each measurement.

3. The maximum allowable diameter :

Specification

Maximum allowable measurement 296.5 mm (11.673 in)

4. If the largest diameter measurement of the brake drum is less than the maximum allowable diameter, the drum may be able to be resurfaced, upon surface and wear conditions which may be present.
5. If the largest diameter measurement of the brake drum is equal to or greater than the maximum allowable measurement, the drum requires re

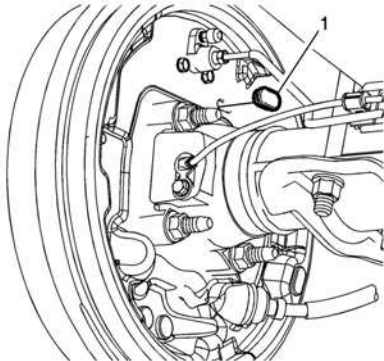
2013 Chevrolet Colorado

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

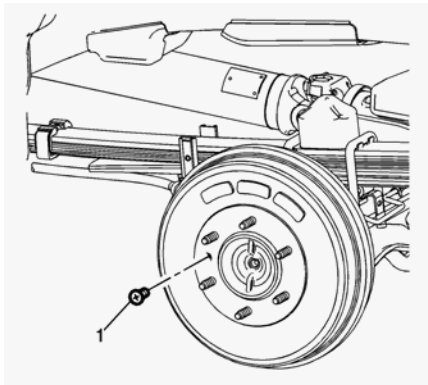
Removal Procedure

Warning: Refer to Brake Dust Warning.

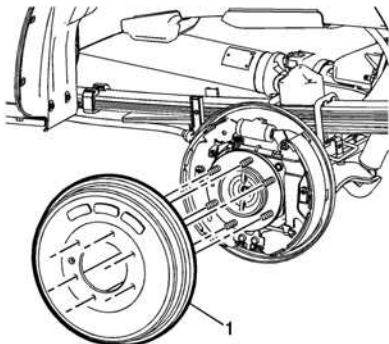
1. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.
2. Remove the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.



3. If necessary, remove the rear brake shoe adjuster access plug (1) to back off the brake shoe adjustment. Refer to Drum Brake Adjustr

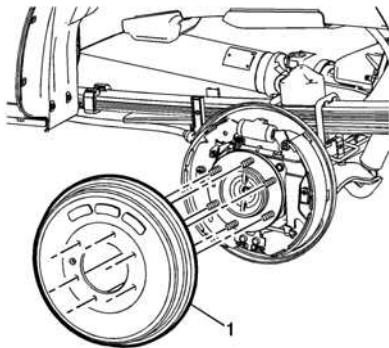


4. Remove the brake drum bolt (1).

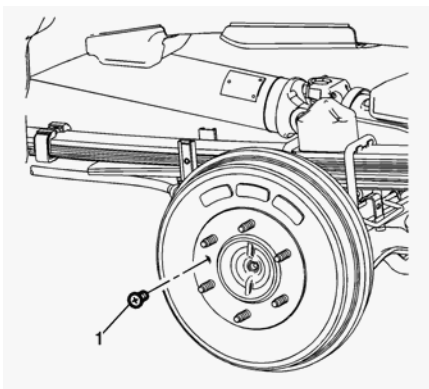


5. Remove the brake drum (1).

Installation Procedure

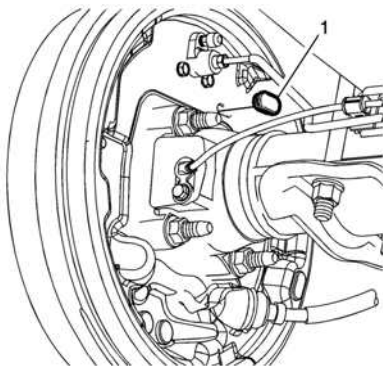


1. Install the brake drum (1).



Caution: Refer to Fastener Caution.

2. Install the brake drum bolt (1) and tighten to **9 Y (80 lb in)**.
3. Adjust the drum brakes. Refer to Drum Brake Adjustment.



4. If removed, install the rear brake shoe adjuster access plug (1).
5. Install the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.

2013 Chevrolet Colorado

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

Special Tools

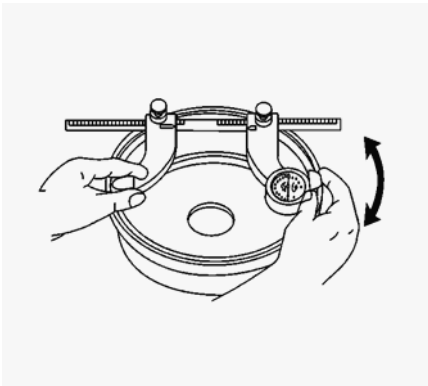
GE-8001 Dial Indicator Set

For equivalent regional tools, refer to Special Tools.

Warning: Refer to Brake Dust Warning.

1. With the brake drum removed, clean the braking (friction) surface of the brake drum with denatured alcohol or an equivalent approved brake cleaner.
2. Inspect the braking surface of the brake drum for the following Braking Surface Conditions:

- Heavy rust and/or pitting
 - Light surface rust can be removed with an abrasive disc; heavy surface rust and/or pitting must be removed by refinishing the drum.
- Cracks and/or heat spots
- Excessive blueing discoloration
- Missing balance weights
- If the braking surface of the brake drum exhibits one or more of the Braking Surface Conditions, the drum requires refinishing or replacement.



- Using a brake drum micrometer calibrated in thousands of an inch, measure and record any grooves present on the drum braking surface. Ensure that the measurements are only taken within the brake shoe lining contact area.

- Compare the groove, scoring, depth recorded to the following specification:

Specification

Brake drum maximum allowable scoring 1.5 mm (0.06 in).

- If the brake drum scoring depth exceeds the specification, or if an excessive amount of scoring is present, the drum requires refinishing or replacement.
- Mount the brake drum on a brake lathe.
- Mount the GE-8001 Dial Indicator Set, and position the indicator button so it contacts the braking surface of the brake drum at a 90 degree angle 19 mm (0.75 in) from the drum's outer edge.
- Measure and record the radial runout of the brake drum.

1. Rotate the drum until the lowest reading is displayed on the indicator dial, then zero the dial.
2. Rotate the drum until the highest reading is displayed on the dial.

- Compare the radial runout of the brake drum to the following specification:

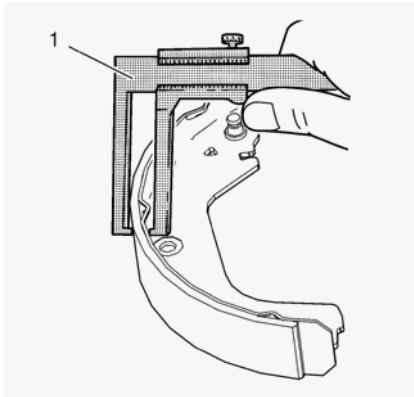
Specification

Brake drum maximum allowable radial runout 0.15 mm (0.006 in).

- If the brake drum radial runout exceeds the specification, the drum requires refinishing or replacement.

2013 Chevrolet Colorado

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



Warning: Refer to Brake Dust Warning.

1. Using a caliper (1), measure the brake shoe lining thickness.
2. Compare the brake shoe lining thickness recorded to the brake drum component specification. Refer to Drum Brake Component Specification

Note: Replace the shoe and lining assembly in axle sets only.

3. If the brake shoe lining thickness is less than the specification, or if a defect is found, replace the linings. Refer to Brake Shoe Replacement.

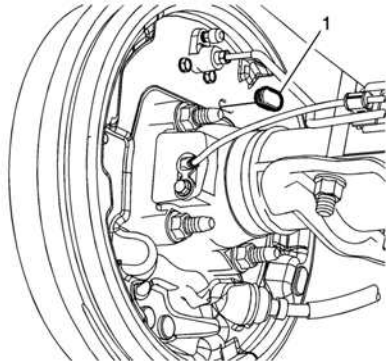
2013 Chevrolet Colorado

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

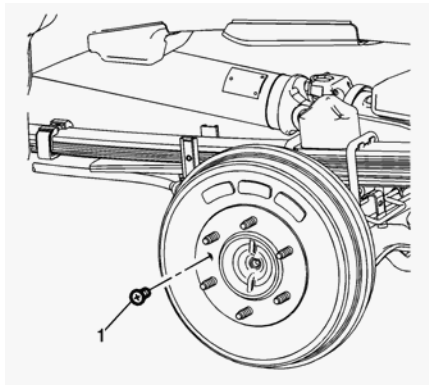
Removal Procedure

Warning: Refer to Brake Dust Warning.

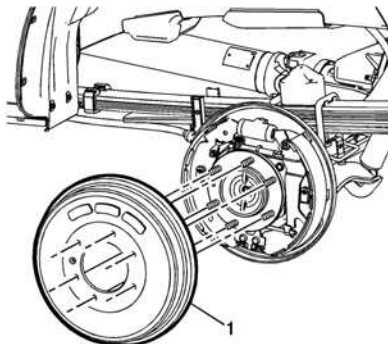
1. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.
2. Remove the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.



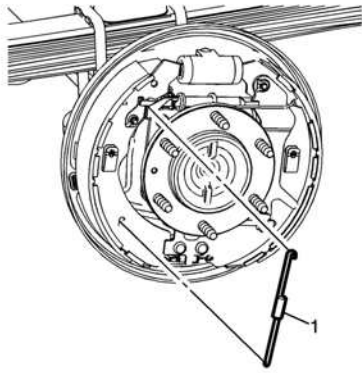
3. If necessary, remove the rear brake shoe adjuster access plug (1) to back off the brake shoe adjustment. Refer to Drum Brake Adjustr



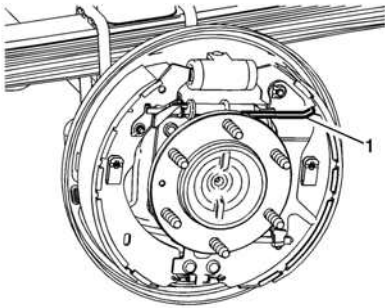
4. Remove the brake drum bolt (1).



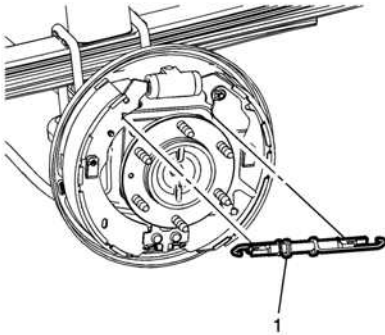
5. Remove the brake drum (1).



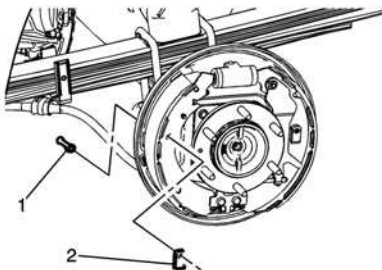
6. Remove the brake shoe adjuster lever return spring (1).



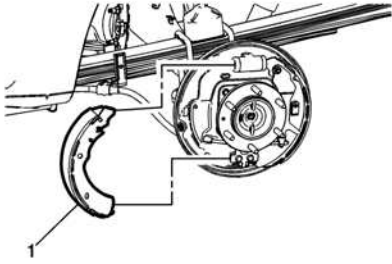
7. Release the upper return spring (1) from the trailing brake shoe web.



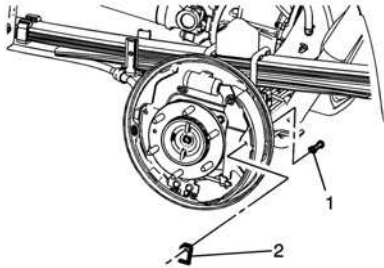
8. Release the upper return spring from the leading shoe web.
9. Carefully spread the top of the brake shoes apart and remove the upper return spring and brake shoe adjuster assembly (1).



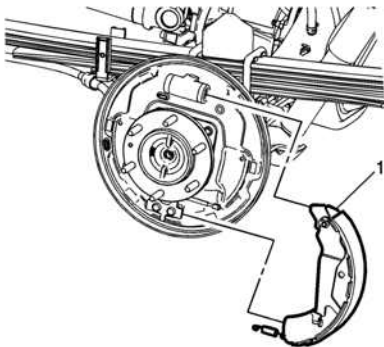
10. While holding the leading brake shoe retaining spring pin (1) stationary, compress and rotate the retaining spring (2) $\frac{1}{4}$ turn and remove pin.



11. Release the leading brake shoe (1) from the lower return spring and remove the brake shoe.



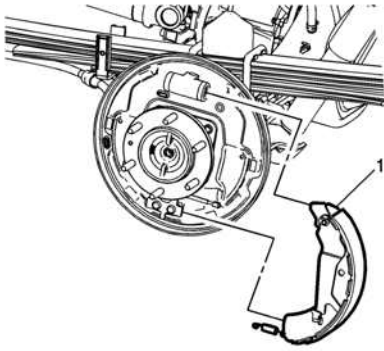
12. While holding the trailing brake shoe retaining spring pin (1) stationary, compress and rotate the retaining spring (2) $\frac{1}{4}$ turn and remove pin.



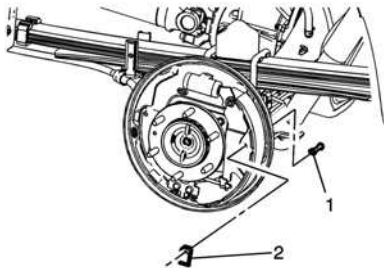
13. Release the trailing brake shoe (1) from the parking brake cable and remove the brake shoe.

Installation Procedure

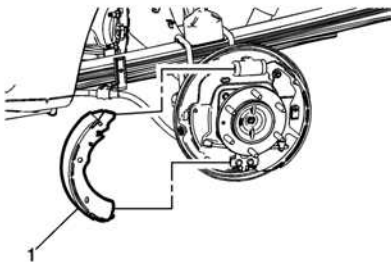
1. Clean the rear brake backing plate brake shoe contact points.
2. Apply a light coat of high temperature brake lubricant to the rear brake backing plate brake shoe contact points.
3. Inspect the drum brake hardware for missing or damaged components and replace, if necessary.
4. Inspect the drum brake adjuster hardware for missing or damaged components. Refer to Drum Brake Adjusting Hardware Inspection.
5. Disassemble the drum brake adjuster and clean the adjuster screw threads of and corrosion.
6. Lightly lubricate the drum brake adjuster screw threads with high temperature brake lubricant.
7. Assemble the drum brake adjuster to the fully retracted position.



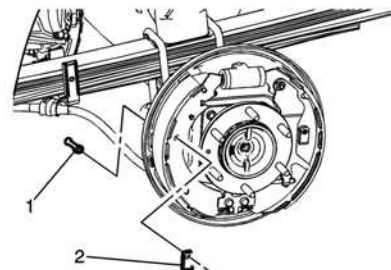
8. Connect the trailing brake shoe (1) to the parking brake cable and install the brake shoe.



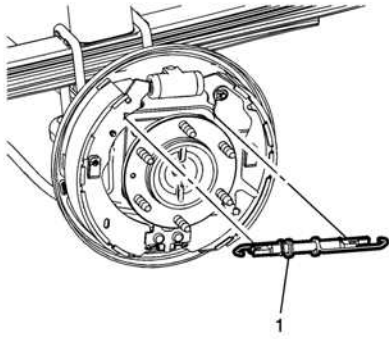
9. While holding the trailing brake shoe retaining spring pin (1) stationary, compress and rotate the retaining spring (2) $\frac{1}{4}$ turn and install the pin.



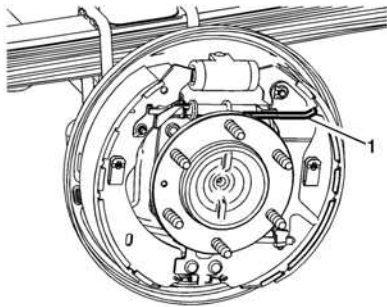
10. Connect the leading brake shoe (1) to the lower return spring and install the brake shoe.



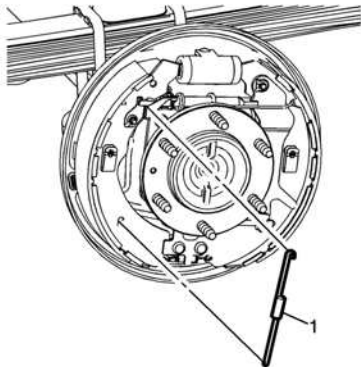
11. While holding the leading brake shoe retaining spring pin (1) stationary, compress and rotate the retaining spring (2) $\frac{1}{4}$ turn and install the pin.



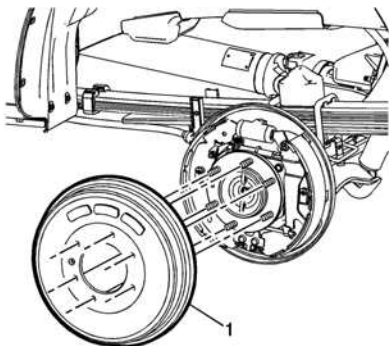
12. Carefully spread the top of the brake shoes apart and install the upper return spring and brake shoe adjuster assembly (1).
13. Install the upper return spring to the leading shoe web.



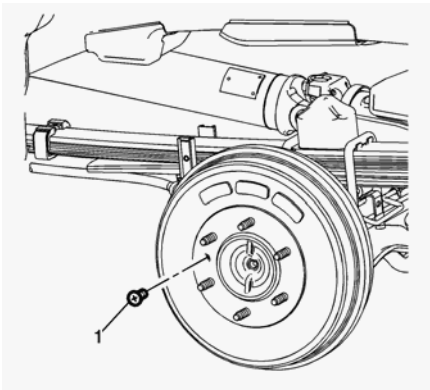
14. Install the upper return spring (1) to the trailing brake shoe web.



15. Install the brake shoe adjuster lever return spring (1).



16. Install the brake drum (1).



Caution: Refer to Fastener Caution.

17. Install the brake drum bolt (1) and tighten to **9 Y (80 lb in)**.
18. Adjust the drum brakes. Refer to Drum Brake Adjustment
19. Install the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.

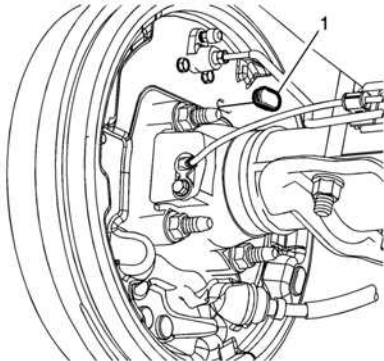
2013 Chevrolet Colorado

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

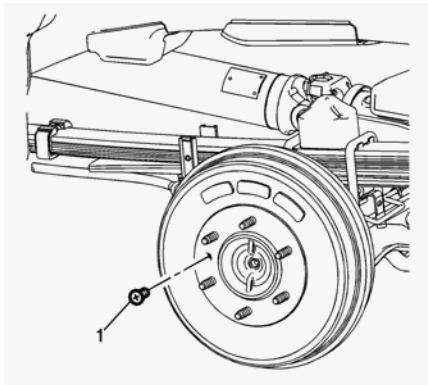
Removal Procedure

Warning: Refer to Brake Dust Warning.

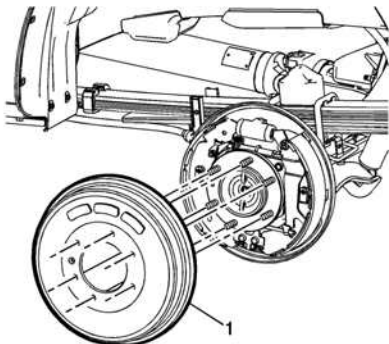
1. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.
2. Remove the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.



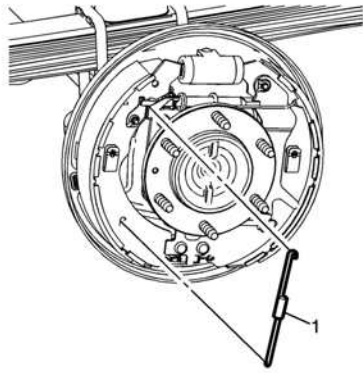
3. If necessary, remove the rear brake shoe adjuster access plug (1) to back off the brake shoe adjustment. Refer to Drum Brake Adjustr



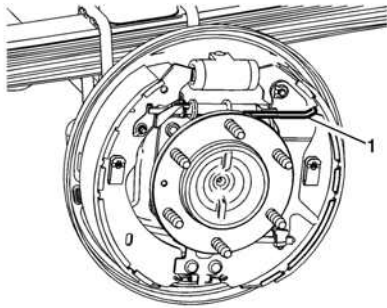
4. Remove the brake drum bolt (1).



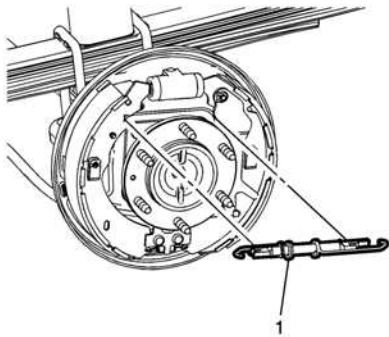
5. Remove the brake drum (1).



6. Remove the brake shoe adjuster lever return spring (1).

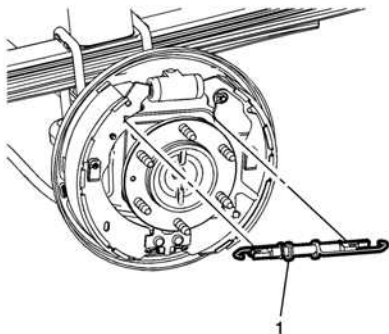


7. Release the upper return spring (1) from the trailing brake shoe web.



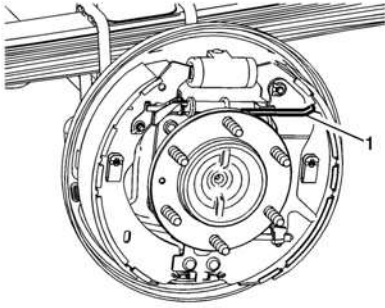
8. Release the upper return spring from the leading shoe web.
9. Carefully spread the top of the brake shoes apart and remove the upper return spring and brake shoe adjuster assembly (1).
10. Inspect the drum brake adjusting hardware and replace any damaged components as necessary. Refer to Drum Brake Adjusting Hard

[Installation Procedure](#)

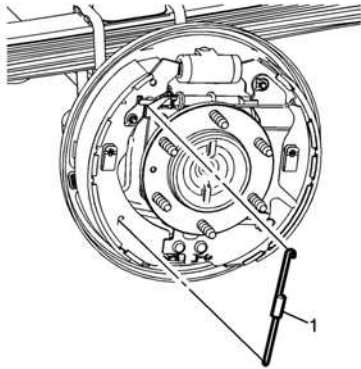


1. Carefully spread the top of the brake shoes apart and install the upper return spring and brake shoe adjuster assembly (1).

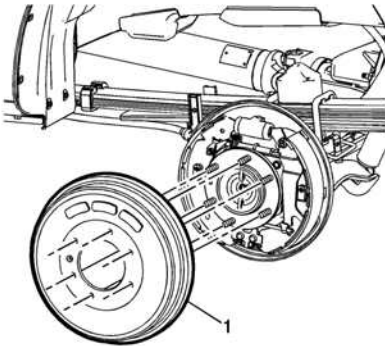
2. Install the upper return spring to the leading shoe web.



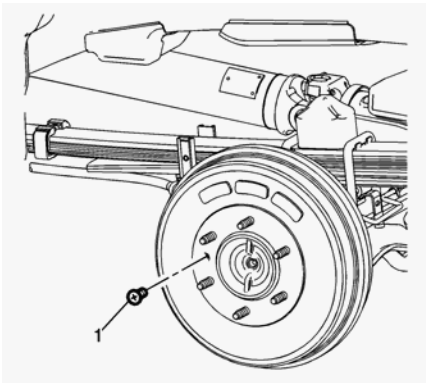
3. Install the upper return spring (1) to the trailing brake shoe web.



4. Install the brake shoe adjuster lever return spring (1).
5. Adjust the drum brakes. Refer to Drum Brake Adjustment



6. Install the brake drum (1).



Caution: Refer to Fastener Caution.

7. Install the brake drum bolt (1) and tighten to **9 Y (80 lb in)**.
8. Install the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.

2013 Chevrolet Colorado

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

Special Tools

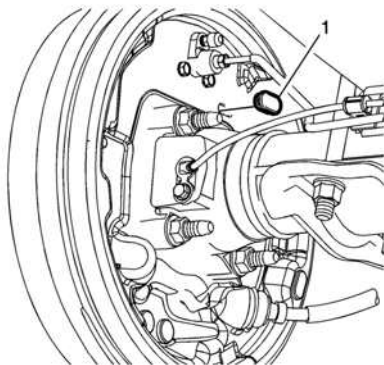
CH-230-A Gauge

For equivalent regional tools, refer to Special Tools.

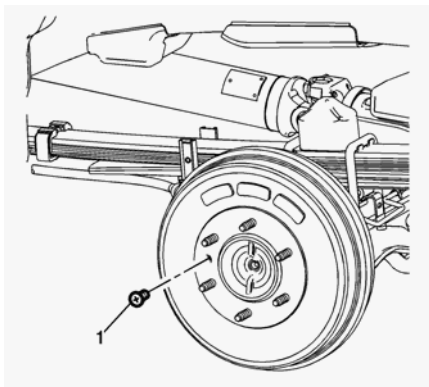
Warning: Refer to Brake Dust Warning.

Note: The rear brakes must be adjusted manually after replacing the rear brake shoes.

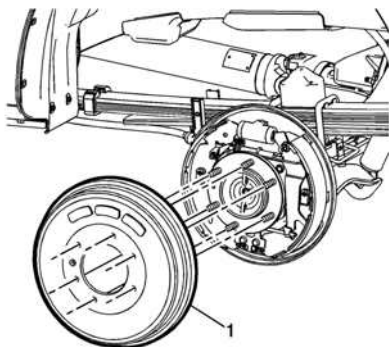
1. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.
2. Remove the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.



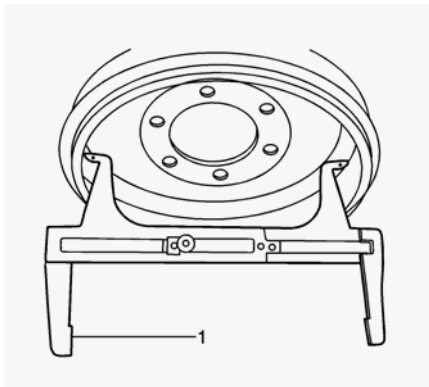
3. Remove the drum brake adjuster access plug (1).
4. Using a tool to hold the adjuster lever away from the brake shoe adjuster, loosen the adjuster to retract the brake shoes.



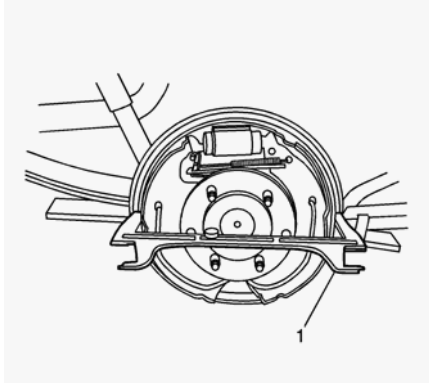
5. Remove the brake drum bolt (1).



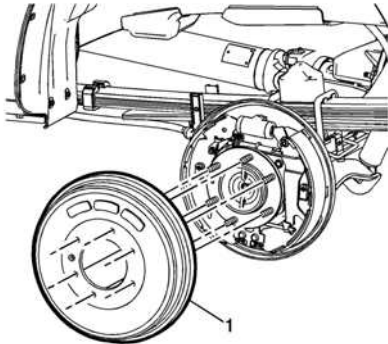
6. Remove the brake drum (1).



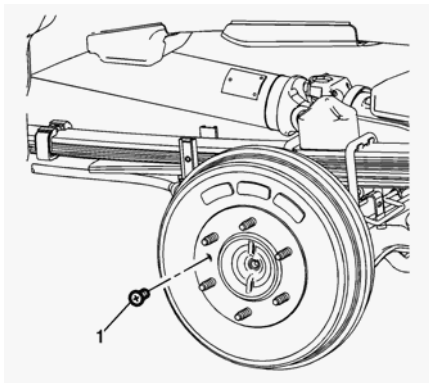
7. Using the CH-230-A Gauge (1), measure the inside diameter of the brake drum.



8. Using the CH-230-A Gauge (1), adjust the brakes shoes until there is approximately 0.76 mm (.030 in) clearance between the rear brake shoe and brake drum.



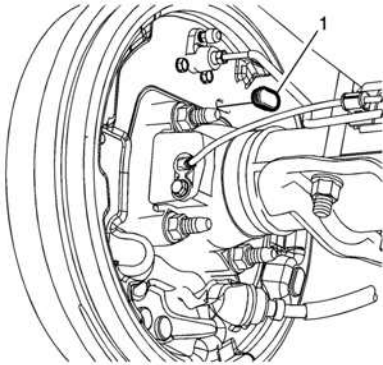
9. Install the brake drum (1).



Caution: Refer to Fastener Caution.

10. Install the brake drum bolt (1) and tighten to **9 Y (80 lb in)**.
11. With heavy force, apply the brake pedal 2 times in order to center and adjust the brake shoes.

12. Inspect the drums again for light drag. If necessary, repeat the previous step for adjusting the brakes.



Install the drum brake adjuster access plug (1).

13. Install the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.
14. Adjust the park brake. Refer to Parking Brake Adjustment.

2013 Chevrolet Colorado

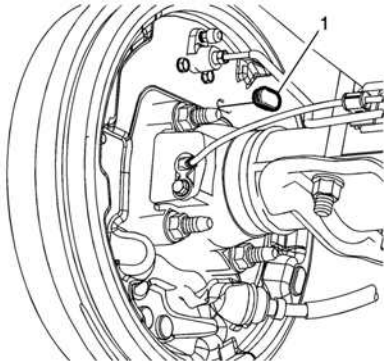
Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:

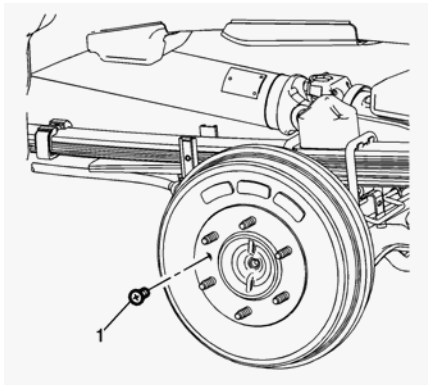
Removal Procedure

Warning: Refer to Brake Dust Warning.

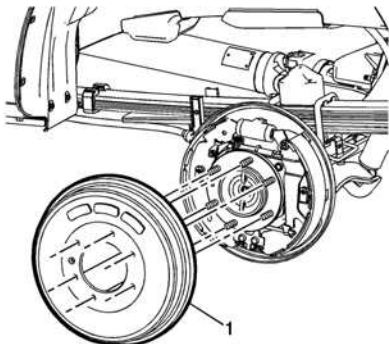
1. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.
2. Remove the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.



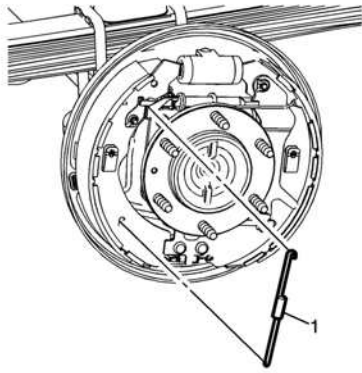
3. If necessary, remove the rear brake shoe adjuster access plug (1) to back off the brake shoe adjustment. Refer to Drum Brake Adjustr



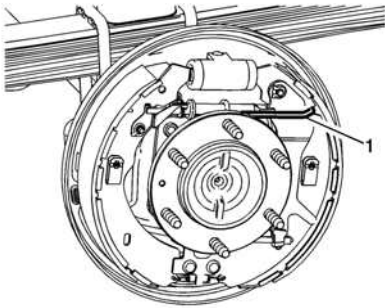
4. Remove the brake drum bolt (1).



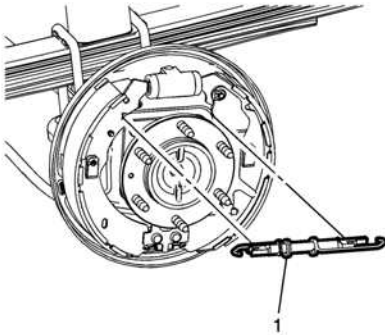
5. Remove the brake drum (1).



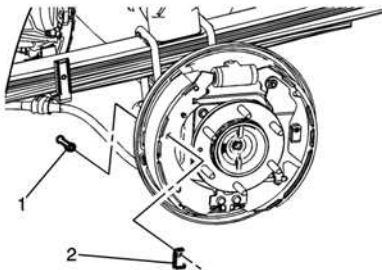
6. Remove the brake shoe adjuster lever return spring (1).



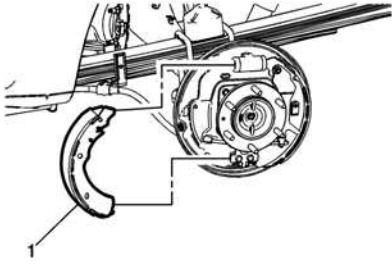
7. Release the upper return spring (1) from the trailing brake shoe web.



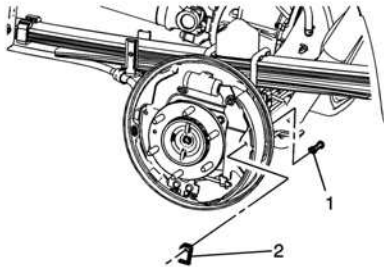
8. Release the upper return spring from the leading shoe web.
9. Carefully spread the top of the brake shoes apart and remove the upper return spring and brake shoe adjuster assembly (1).
10. Inspect the drum brake adjuster for proper operation. Refer to Drum Brake Adjusting Hardware Inspection.



11. While holding the leading brake shoe retaining spring pin (1) stationary, compress and rotate the retaining spring (2) $\frac{1}{4}$ turn and remove pin.



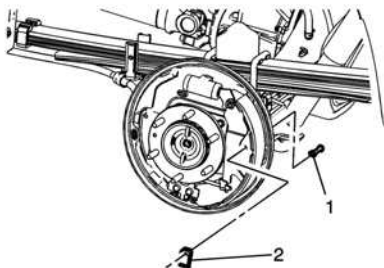
12. Release the leading brake shoe (1) from the lower return spring and remove the brake shoe.
13. Remove the lower return spring.



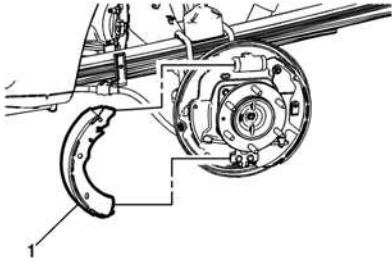
14. While holding the trailing brake shoe retaining spring pin (1) stationary, compress and rotate the retaining spring (2) $\frac{1}{4}$ turn and remove pin.
15. Inspect the drum brake hardware for damage and excessive corrosion and replace as necessary.

Installation Procedure

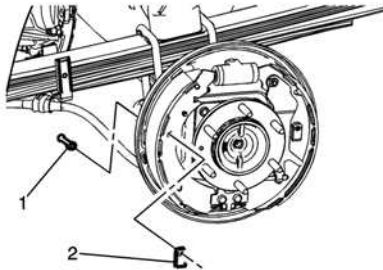
1. Lightly lubricate the drum brake adjuster screw threads with high temperature brake lubricant.
2. Rotate the drum brake adjuster to the fully retracted position.



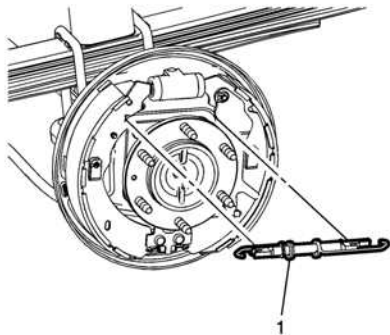
3. While holding the trailing brake shoe retaining spring pin (1) stationary, compress and rotate the retaining spring (2) $\frac{1}{4}$ turn and install the pin.
4. Install the lower return spring to the trailing brake shoe web.



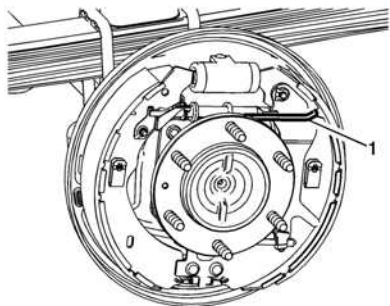
5. Connect the leading brake shoe (1) to the lower return spring and install the brake shoe.



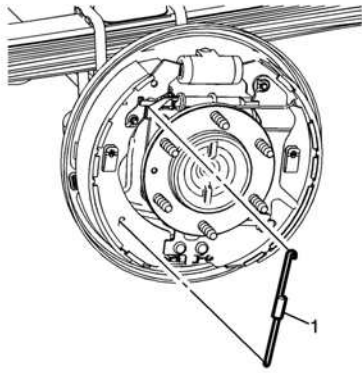
6. While holding the leading brake shoe retaining spring pin (1) stationary, compress and rotate the retaining spring (2) $\frac{1}{4}$ turn and install it pin.



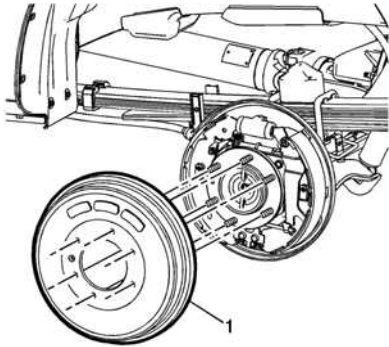
7. Carefully spread the top of the brake shoes apart and install the upper return spring and brake shoe adjuster assembly (1).
8. Install the upper return spring to the leading shoe web.



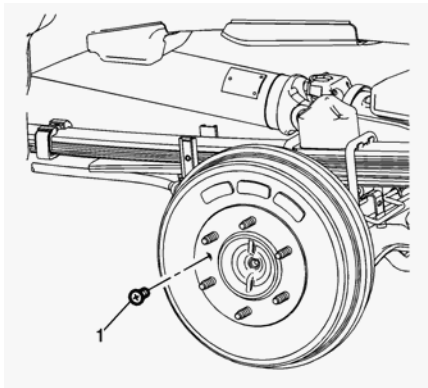
9. Install the upper return spring (1) to the trailing brake shoe web.



10. Install the brake shoe adjuster lever return spring (1).



11. Install the brake drum (1).



Caution: Refer to Fastener Caution.

12. Install the brake drum bolt (1) and tighten to **9 Y (80 lb in)**.
13. Adjust the drum brakes. Refer to Drum Brake Adjustment
14. Install the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.

2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:

Warning: Refer to Brake Dust Warning.

1. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.
2. Remove the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.
3. Remove the brake drum. Refer to Brake Drum Replacement.
4. Visually inspect the brake shoe adjuster lever spring for the following conditions:

- Broken
- Missing
- Excessive stretching
- Excessive bending
- Excessive corrosion

- If any of the conditions listed exist, the brake shoe adjuster lever spring requires replacement.
- Visually inspect the brake shoe adjuster lever for the following conditions:

- Broken
- Missing
- Bent
- Excessively worn lever engagement surface
- Bent or broken spring attachment tab

- If any of the conditions listed exist, the brake shoe adjuster lever requires replacement.
- Visually inspect the brake shoe adjuster for the following conditions:

- Broken
- Bent
- Seized adjuster wheel threads
- Excessively worn, damaged, or missing adjuster teeth

- If any of the conditions listed exist, the brake shoe adjuster requires replacement.

2013 Chevrolet Colorado

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

System Component Description

The drum brake system consists of the following:

Drum Brake Shoes

Applies mechanical output force (from hydraulic brake wheel cylinders) to friction surface of brake drums.

Brake Drums

Uses mechanical output force applied to friction surface from drum brake shoes to slow speed of tire and wheel assembly rotation.

Drum Brake Hardware

Secures drum brake shoes firmly in proper relationship to hydraulic brake wheel cylinders. Enables sliding motion of brake shoes needed to expand toward friction surface of drums when mechanical output force is applied; provides return of brake shoes when mechanical output force is relieved.

Drum Brake Adjusting Hardware

Provides automatic adjustment of brake shoes to brake drum friction surface whenever brake apply occurs during rearward motion of the vehicle.

System Operation

Mechanical output force is applied from the hydraulic brake wheel cylinder pistons to the top of the drum brake shoes. The output force is then distributed between the primary and secondary brake shoes as the shoes expand toward the friction surface of the brake drums. The brake shoes apply the output force to the friction surface of the brake drums, which slows the rotation of the tire and wheel assemblies. The proper function of both the drum brake hardware and adjusting hardware is essential to the proper distribution of braking force.

2013 Chevrolet Colorado

Submodel: | **Engine Type:** | **Liters:**

Fuel Delivery: | **Fuel:**

System Component Description

The park brake system consists of the following:

Park Brake Pedal Assembly

Receives and transfers park brake system apply input force from driver to park brake cable system. Releases park brake system apply force on vehicles without a park brake release handle through the partial application of the park brake pedal.

Park Brake Release Handle Assembly (If equipped)

Releases applied park brake system when pulled.

Park Brake Cables

Transfers input force received from park brake pedal, through park brake cable equalizer, to park brake apply lever.

Park Brake Cable Equalizer

Evenly distributes input force to both the left and right park brake units.

Park Brake Apply Lever

Multiplies and transfers input force to park brake actuator/adjuster.

System Operation

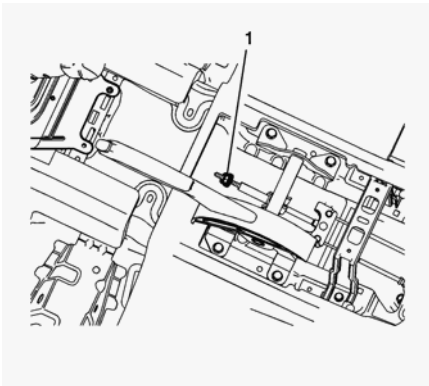
Pressing the Park Brake Pedal creates INPUT FORCE. The INPUT FORCE is transferred and evenly distributed through the park brake cables and the equalizer to the left and right rear park brake cables. The INPUT FORCE, is then transferred to the apply levers located in each of the rear brake drums. The levers then multiply the INPUT FORCE and transfer the force to the rear brake shoes. At that point, the brake shoes are forced to expand and make contact with the friction surface of the rear brake drums, preventing the rotation of the rear wheels. Use the park brake release handle, if equipped, or the partial application of the park brake pedal to disengage the park brake.

2013 Chevrolet Colorado

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

Warning: Refer to Brake Dust Warning.

1. Apply and fully release the parking brake several times. Verify that the parking brake lever releases completely.
 2. Turn ON the ignition. Verify the red BRAKE warning lamp is not illuminated.
 3. If the red BRAKE warning lamp is illuminated, verify the following:
- The parking brake lever is in the fully released position and against the stop.
 - There is no slack in the parking brake cables.
 - If the red BRAKE warning lamp remained illuminated and there were no other visible causes, refer to Symptoms - Hydraulic Brakes.
 - Turn OFF the ignition.
 - Remove the front floor console, if equipped. Refer to Front Floor Console Replacement.
 - If equipped with bench seat, remove the passenger seat. Refer to Driver or Passenger Seat Removal and Installation.
 - Adjust the rear drum brakes. Refer to Drum Brake Adjustment.



- Loosen the parking brake cable adjustment nut (1) enough to completely relieve tension on the parking brake cables.
- Remove the rear tire and wheel assemblies. Refer to Tire and Wheel Removal and Installation.
- Ensure there is no brake shoe drag after adjustment by rotating the brake drums. If drag exists, re-center the brake shoes and perform the brake adjustment.
- Raise the parking brake lever 4 detent positions.

Caution: Refer to Fastener Caution.

- Tighten the parking brake cable adjustment nut until the slack in the parking brake cables is removed.
 - Raise the parking brake lever an additional 2 detent positions.
 - Attempt to rotate the rear brake drums. There should be no rotation forward or rearward.
 - Fully release the parking brake lever.
 - Verify the parking brake is released by rotating the rear brake drums. The drums should rotate freely and exhibit no brake shoe drag.
 - If the drums do not rotate freely, repeat the parking brake cable adjustment procedure.
 - Raise the parking brake lever 3 detent positions and attempt to rotate the rear brake drums:
-
- One of the brake drums should not rotate forward or rearward.
 - The other brake drum should not rotate forward or rearward, or should require substantial effort to rotate.
 - Raise the parking brake lever 1 additional detent position and attempt to rotate the rear brake drums.
 - Verify that the left and right brake drums cannot be rotated.
 - Install the rear tire and wheel assemblies. Refer to Tire and Wheel Removal and Installation.
 - If equipped with bench seat, install the passenger seat. Refer to Driver or Passenger Seat Removal and Installation.
 - Install the front floor console, if equipped. Refer to Front Floor Console Replacement.
 - Release the parking brake lever.

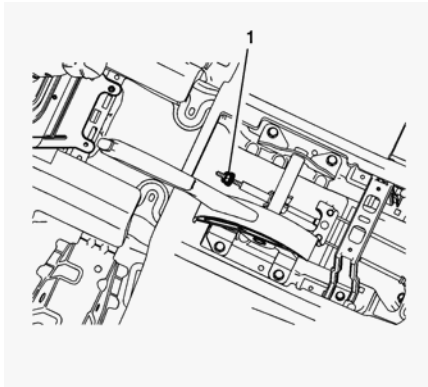
2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

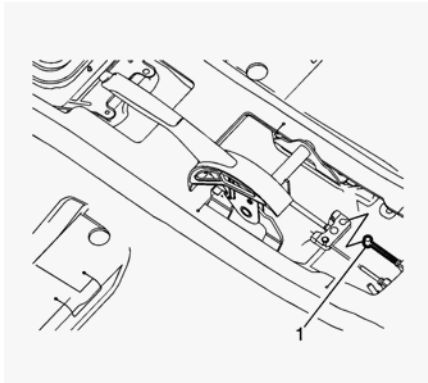
Fuel Delivery: | Fuel:

Removal Procedure

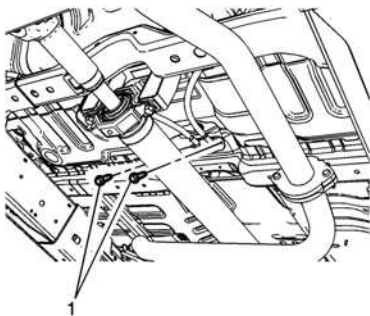
1. Remove the front floor console, if equipped. Refer to Front Floor Console Replacement.
2. If equipped with bench seat, remove the passenger seat. Refer to Driver or Passenger Seat Removal and Installation.
3. Place the parking brake lever in the fully released position.



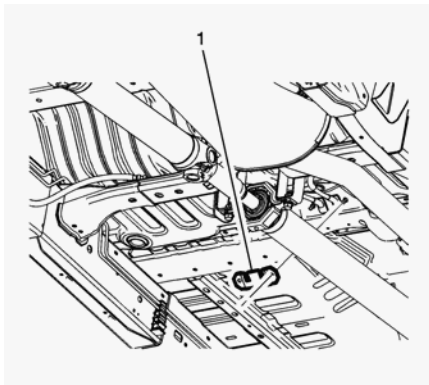
4. Using only hand tools, completely loosen the parking brake cable adjuster nut (1).



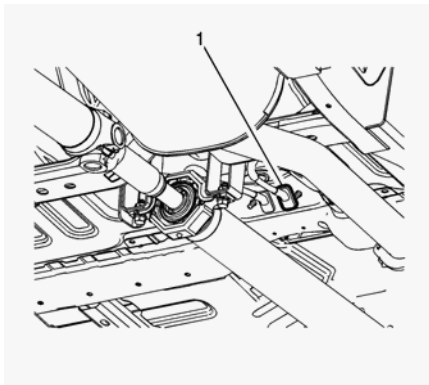
5. Disconnect the right rear parking brake cable fitting (1) from the parking brake lever equalizer.
6. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.



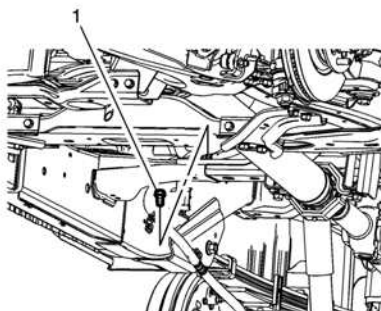
7. Remove the parking brake cable retaining plate bolts (1).



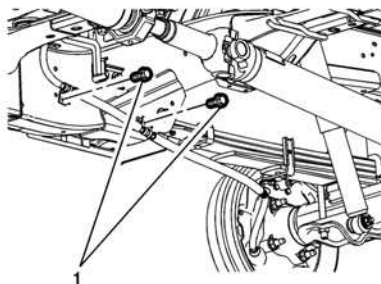
8. Remove the parking brake cable retaining plate (1).



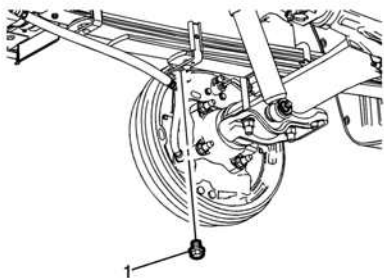
9. Release the right rear parking brake cable pass through grommet (1).



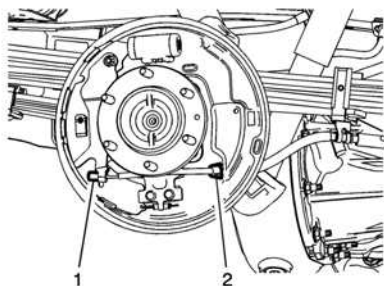
10. Remove the right rear parking brake front cable bolt (1).



11. Remove the right rear parking brake cable bolts (1).



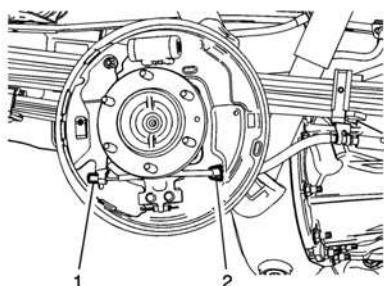
12. Remove the right rear parking brake cable bolt (1).
13. Remove the right rear tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.
14. Remove the right rear brake shoes. Refer to Brake Shoe Replacement.



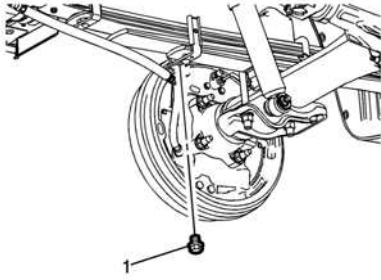
15. Compress the parking brake cable spring and release the parking brake cable fitting (1) from the parking brake actuator lever.
16. Compress the locking tabs and release the left rear parking brake cable retainer (2) from the rear brake backing plate.
17. Remove the left rear parking brake cable from the vehicle.

Installation Procedure

1. Install the right rear parking brake cable to the vehicle.

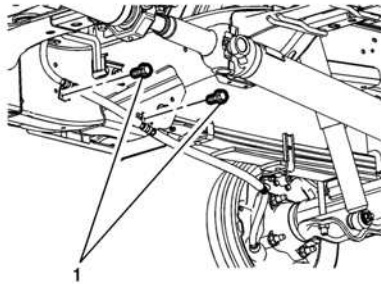


2. Compress the parking brake cable spring and install the parking brake cable fitting (1) to the parking brake actuator lever.
3. Ensure the right rear parking brake cable retainer (2) locking tabs are fully engaged in rear brake backing plate.
4. Install the right rear brake shoes. Refer to Brake Shoe Replacement.
5. Install the left rear tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.

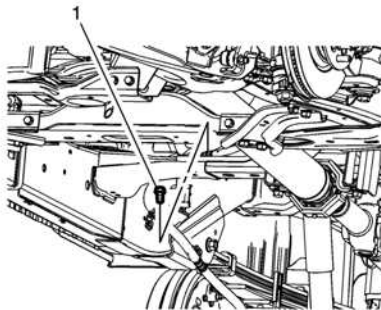


Caution: Refer to Fastener Caution.

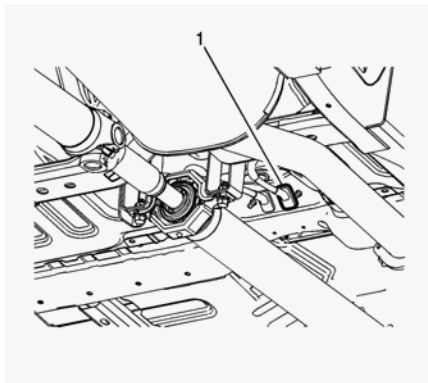
6. Install the right rear parking brake cable bolt (1) and tighten to **7 Y (62 lb in)**.



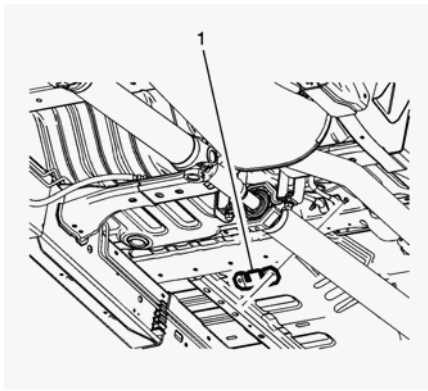
7. Install the right rear parking brake cable bolts (1) and tighten to **7 Y (62 lb in)**.



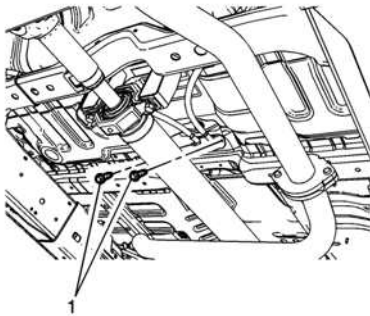
8. Install the right rear parking brake cable front cable bolt (1) and tighten to **25 Y (18 lb ft)**.



9. Install the left rear parking brake cable pass through grommet (1).



10. Install the parking brake cable retaining plate (1).
11. Install the right rear tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.



12. Install the parking brake cable retaining plate bolts (1) and tighten to **22 Y (16 lb ft)**.
13. Lower the vehicle.



14. Connect the right rear parking brake cable fitting (1) to the parking brake lever equalizer.
15. Adjust the parking brake. Refer to Parking Brake Adjustment.
16. Install the front floor console, if equipped. Refer to Front Floor Console Replacement.
17. If equipped with bench seat, install the passenger seat. Refer to Driver or Passenger Seat Removal and Installation.

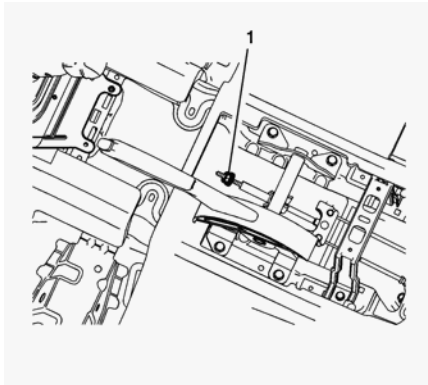
2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:

Removal Procedure

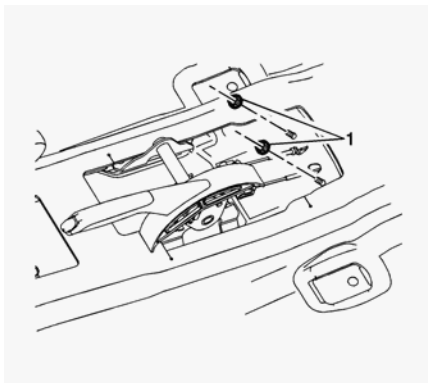
1. Remove the front floor console, if equipped. Refer to Front Floor Console Replacement.
2. If equipped with bench seat, remove the passenger seat. Refer to Driver or Passenger Seat Removal and Installation.
3. Place the parking brake lever in the fully released position.



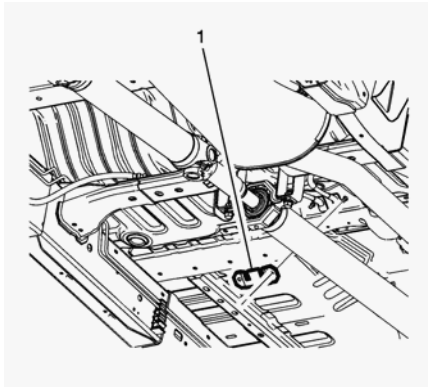
4. Using only hand tools, completely loosen the parking brake cable adjuster nut (1).



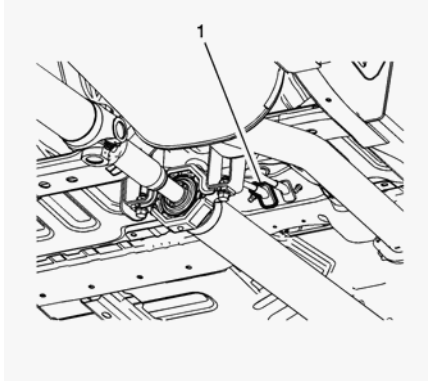
5. Disconnect the left rear parking brake cable fitting (1) from the parking brake lever equalizer.



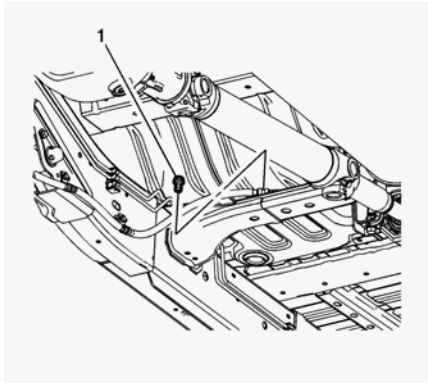
6. Remove the parking brake cable retainer plate nuts (1).
7. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.



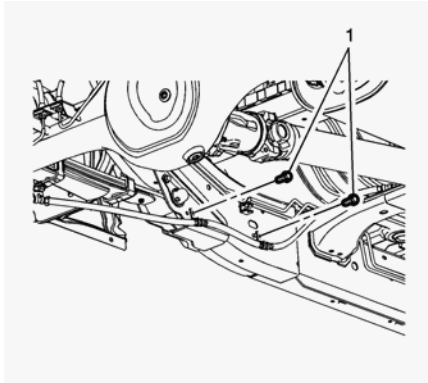
8. Remove the parking brake cable retaining plate (1).



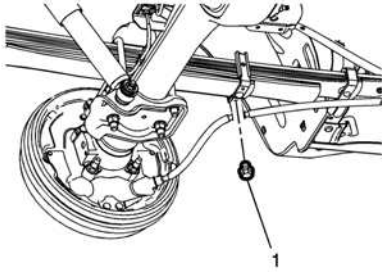
9. Release the left rear parking brake cable pass through grommet (1).
10. Remove the fuel tank. Refer to Fuel Tank Replacement.



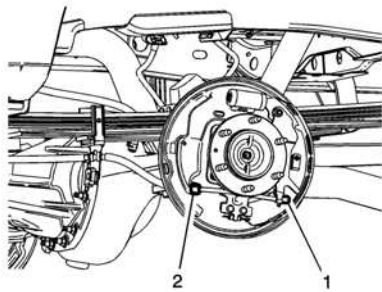
11. Remove the left rear parking brake front cable bolt (1).



12. Remove the left rear parking brake cable bolts (1).



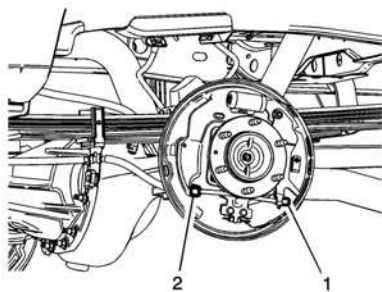
13. Remove the left rear parking brake cable bolt (1).
14. Remove the left rear tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.
15. Remove the left rear brake shoes. Refer to Brake Shoe Replacement.



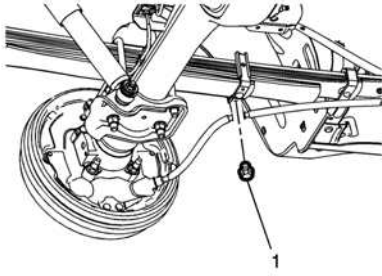
16. Compress the parking brake cable spring and release the parking brake cable fitting (1) from the parking brake actuator lever.
17. Compress the locking tabs and release the left rear parking brake cable retainer (2) from the rear brake backing plate.
18. Remove the left rear parking brake cable from the vehicle.

Installation Procedure

1. Install the left rear parking brake cable to the vehicle.

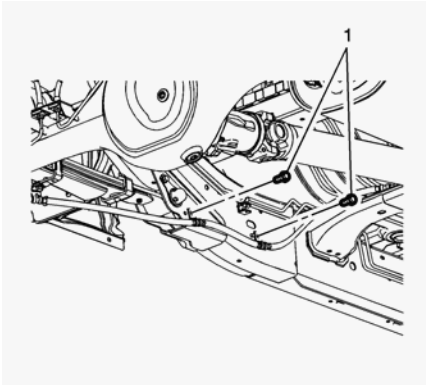


2. Compress the parking brake cable spring and install the parking brake cable fitting (1) to the parking brake actuator lever.
3. Ensure the left rear parking brake cable retainer (2) locking tabs are fully engaged in rear brake backing plate.
4. Install the left rear brake shoes. Refer to Brake Shoe Replacement.

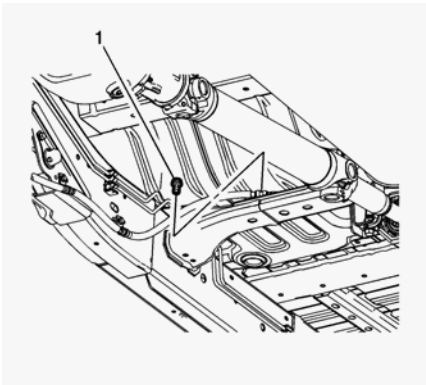


Caution: Refer to Fastener Caution.

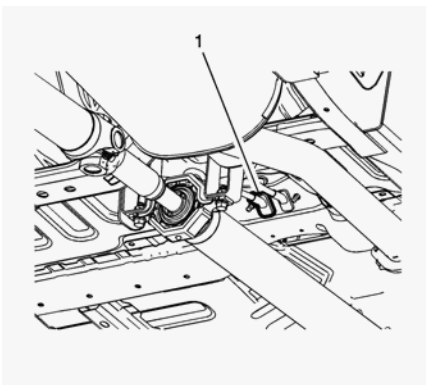
5. Install the left rear parking brake cable bolt (1) and tighten to **7 Y (62 lb in)**.



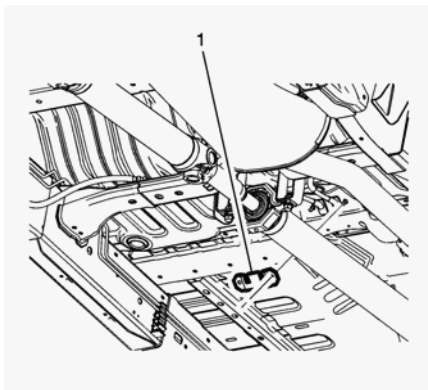
6. Install the left rear parking brake cable bolts (1) and tighten to **7 Y (62 lb in)**.



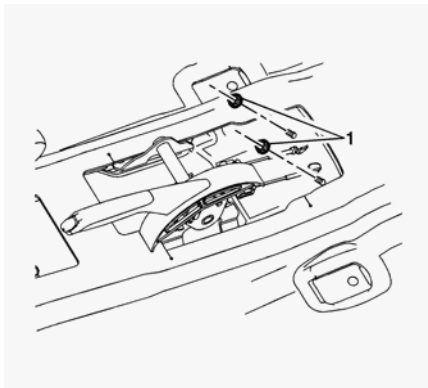
7. Install the left rear parking brake cable front cable bolt (1) and tighten to **25 Y (18 lb ft)**.



8. Install the left rear parking brake cable pass through grommet (1).



9. Install the parking brake cable retaining plate (1).
10. Install the fuel tank. Refer to Fuel Tank Replacement.
11. Install the left rear tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.
12. Lower the vehicle.



13. Install the parking brake cable retainer plate nuts (1) and tighten to **25 Y (18 lb ft)**.



14. Connect the left rear parking brake cable fitting (1) to the parking brake lever equalizer.
15. Adjust the parking brake. Refer to Parking Brake Adjustment.
16. If equipped with bench seat, Install the passenger seat. Refer to Driver or Passenger Seat Removal and Installation.
17. Install the front floor console, if equipped. Refer to Front Floor Console Replacement.

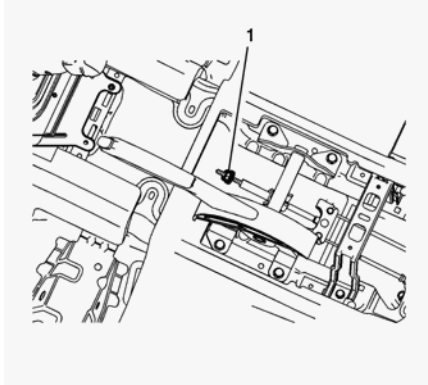
2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

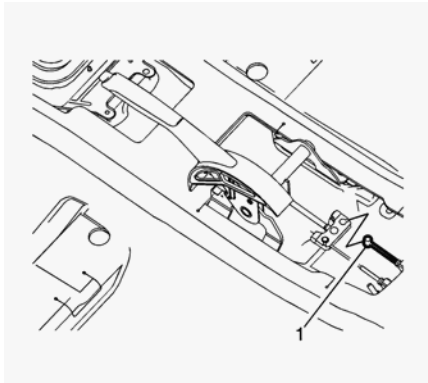
Fuel Delivery: | Fuel:

Removal Procedure

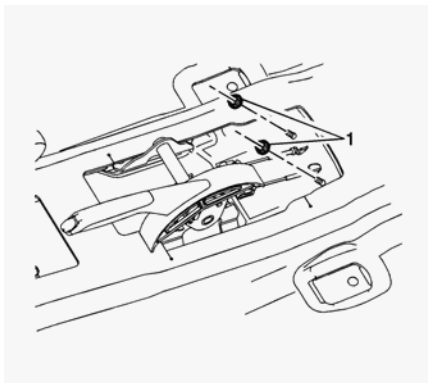
1. Remove the front floor console, if equipped. Refer to Front Floor Console Replacement.
2. If equipped with bench seat, remove the passenger seat. Refer to Driver or Passenger Seat Removal and Installation.
3. Place the parking brake lever in the fully released position.



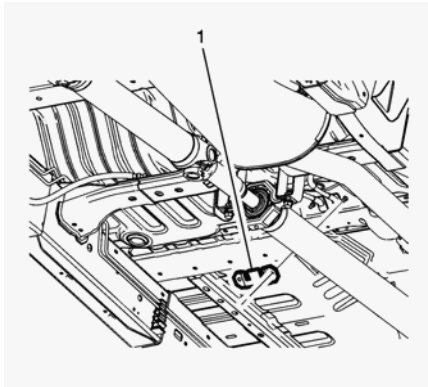
4. Using only hand tools, completely loosen the parking brake cable adjuster nut (1).



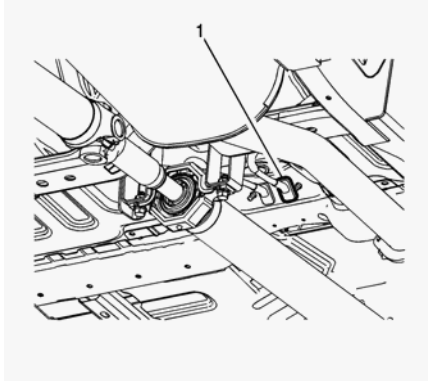
5. Disconnect the right rear parking brake cable fitting (1) from the parking brake lever equalizer.



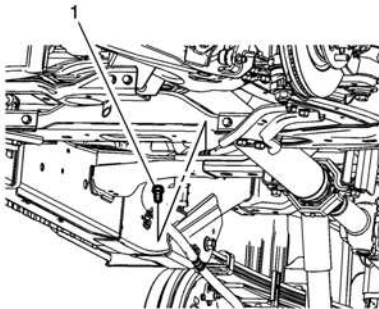
6. Remove the parking brake cable retainer plate nuts (1).
7. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.



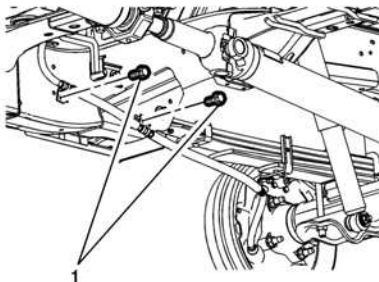
8. Remove the parking brake cable retaining plate (1).



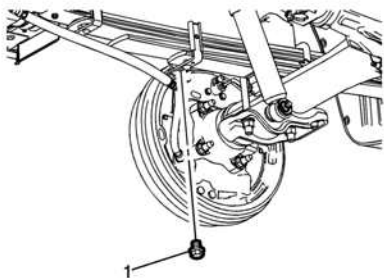
9. Release the right rear parking brake cable pass through grommet (1).



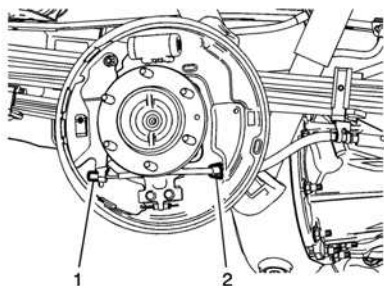
10. Remove the right rear parking brake front cable bolt (1).



11. Remove the right rear parking brake cable bolts (1).



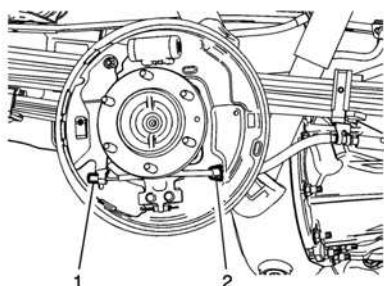
12. Remove the right rear parking brake cable bolt (1).
13. Remove the right rear tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.
14. Remove the right rear brake shoes. Refer to Brake Shoe Replacement.



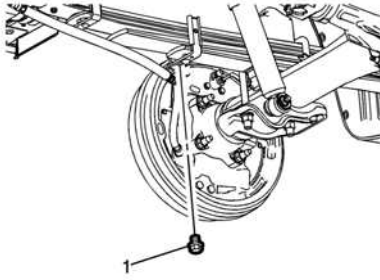
15. Compress the parking brake cable spring and release the parking brake cable fitting (1) from the parking brake actuator lever.
16. Compress the locking tabs and release the left rear parking brake cable retainer (2) from the rear brake backing plate.
17. Remove the left rear parking brake cable from the vehicle.

Installation Procedure

1. Install the right rear parking brake cable to the vehicle.

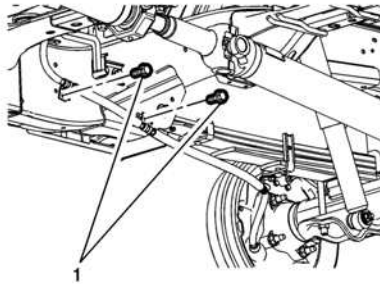


2. Compress the parking brake cable spring and install the parking brake cable fitting (1) to the parking brake actuator lever.
3. Ensure the right rear parking brake cable retainer (2) locking tabs are fully engaged in rear brake backing plate.
4. Install the right rear brake shoes. Refer to Brake Shoe Replacement.
5. Install the left rear tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.

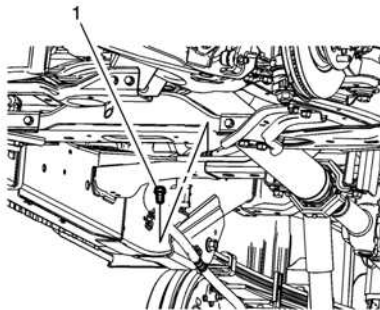


Caution: Refer to Fastener Caution.

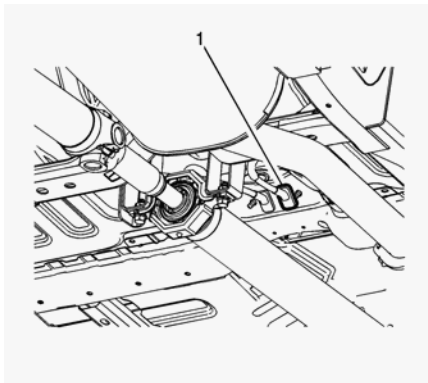
6. Install the right rear parking brake cable bolt (1) and tighten to **7 Y (62 lb in)**.



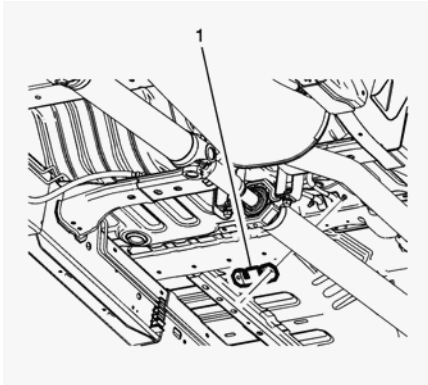
7. Install the right rear parking brake cable bolts (1) and tighten to **7 Y (62 lb in)**.



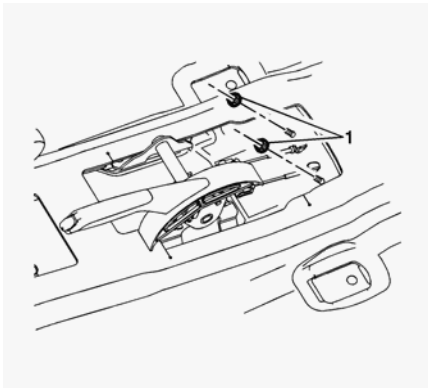
8. Install the right rear parking brake cable front cable bolt (1) and tighten to **25 Y (18 lb ft)**.



9. Install the left rear parking brake cable pass through grommet (1).



10. Install the parking brake cable retaining plate (1).
11. Install the right rear tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.
12. Lower the vehicle.



13. Install the parking brake cable retainer plate nuts (1) and tighten to **25 Y (18 lb ft)**.



14. Connect the right rear parking brake cable fitting (1) to the parking brake lever equalizer.
15. Adjust the parking brake. Refer to Parking Brake Adjustment.
16. Install the front floor console, if equipped. Refer to Front Floor Console Replacement.
17. If equipped with bench seat, install the passenger seat. Refer to Driver or Passenger Seat Removal and Installation.

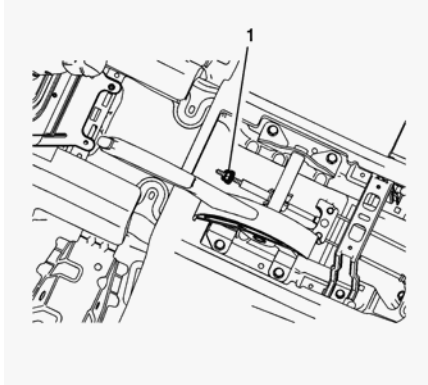
2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:

Removal Procedure

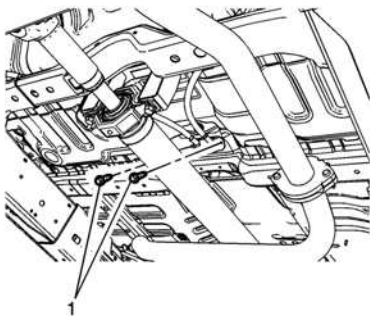
1. Remove the front floor console, if equipped. Refer to Front Floor Console Replacement.
2. If equipped with bench seat, remove the passenger seat. Refer to Driver or Passenger Seat Removal and Installation.
3. Place the parking brake lever in the fully released position.



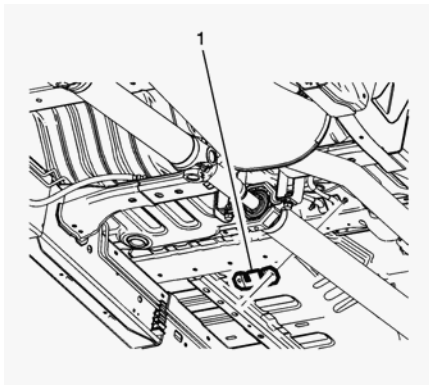
4. Using only hand tools, completely loosen the parking brake cable adjuster nut (1).



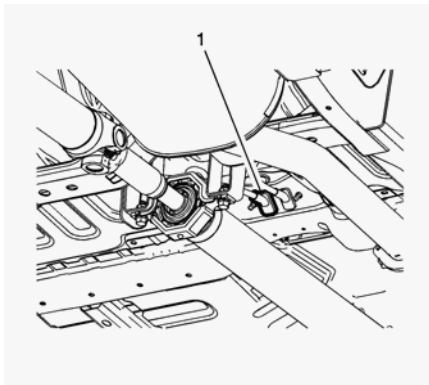
5. Disconnect the left rear parking brake cable fitting (1) from the parking brake lever equalizer.
6. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.



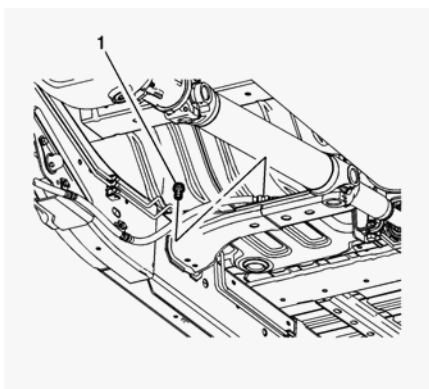
7. Remove the parking brake cable retaining plate bolts (1).



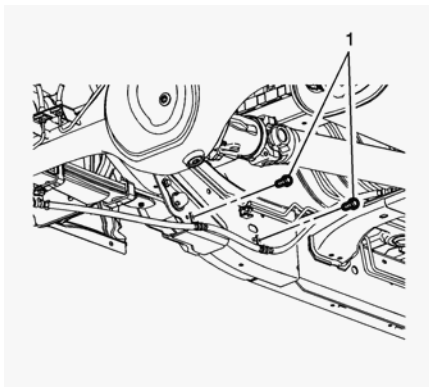
8. Remove the parking brake cable retaining plate (1).



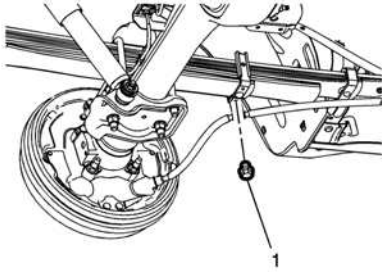
9. Release the left rear parking brake cable pass through grommet (1).
10. Remove the fuel tank. Refer to Fuel Tank Replacement.



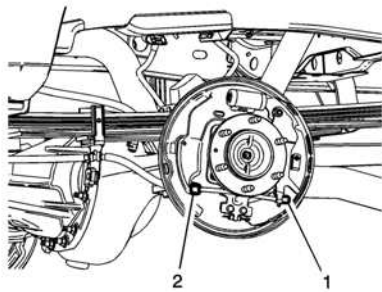
11. Remove the left rear parking brake front cable bolt (1).



12. Remove the left rear parking brake cable bolts (1).



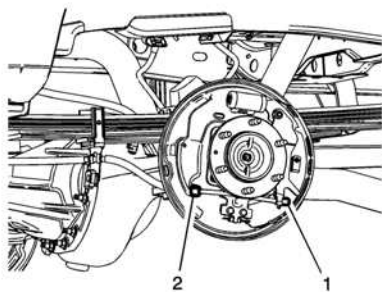
13. Remove the left rear parking brake cable bolt (1).
14. Remove the left rear tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.
15. Remove the left rear brake shoes. Refer to Brake Shoe Replacement.



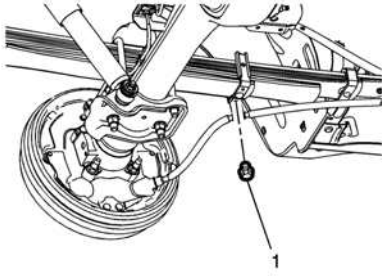
16. Compress the parking brake cable spring and release the parking brake cable fitting (1) from the parking brake actuator lever.
17. Compress the locking tabs and release the left rear parking brake cable retainer (2) from the rear brake backing plate.
18. Remove the left rear parking brake cable from the vehicle.

Installation Procedure

1. Install the left rear parking brake cable to the vehicle.

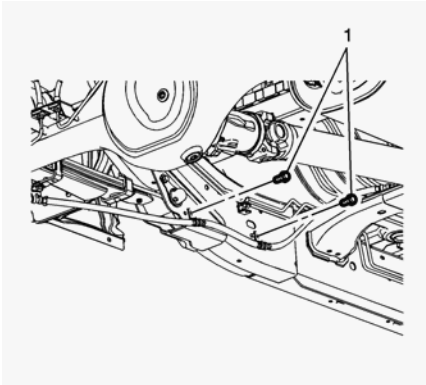


2. Compress the parking brake cable spring and install the parking brake cable fitting (1) to the parking brake actuator lever.
3. Ensure the left rear parking brake cable retainer (2) locking tabs are fully engaged in rear brake backing plate.
4. Install the left rear brake shoes. Refer to Brake Shoe Replacement.

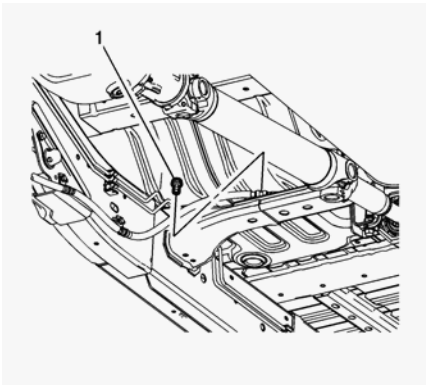


Caution: Refer to Fastener Caution.

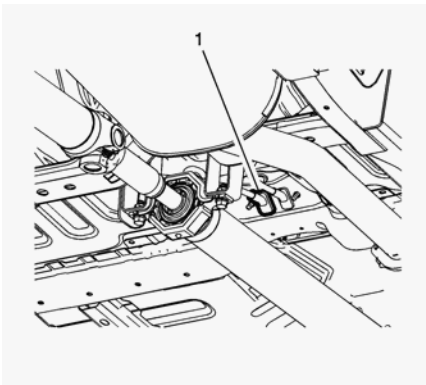
5. Install the left rear parking brake cable bolt (1) and tighten to **7 Y (62 lb in)**.



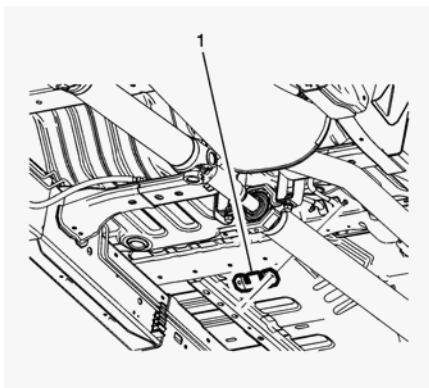
6. Install the left rear parking brake cable bolts (1) and tighten to **7 Y (62 lb in)**.



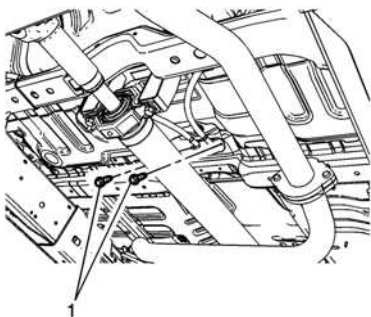
7. Install the left rear parking brake cable front cable bolt (1) and tighten to **25 Y (18 lb ft)**.



8. Install the left rear parking brake cable pass through grommet (1).



9. Install the parking brake cable retaining plate (1).
10. Install the fuel tank. Refer to Fuel Tank Replacement.
11. Install the left rear tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.



12. Install the parking brake cable retaining plate bolts (1) and tighten to **22 Y (16 lb ft)**.
13. Lower the vehicle.



14. Connect the left rear parking brake cable fitting (1) to the parking brake lever equalizer.
15. Adjust the parking brake. Refer to Parking Brake Adjustment.
16. If equipped with bench seat, Install the passenger seat. Refer to Driver or Passenger Seat Removal and Installation.
17. Install the front floor console, if equipped. Refer to Front Floor Console Replacement.

2013 Chevrolet Colorado

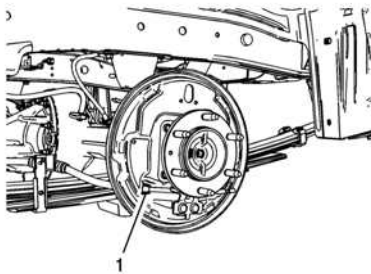
Submodel: | Engine Type: | Liters:

Fuel Delivery: | Fuel:

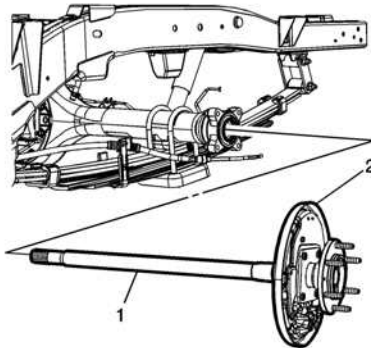
Removal Procedure

Warning: Refer to Brake Dust Warning.

1. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.
2. Remove the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.
3. Remove the brake shoes. Refer to Brake Shoe Replacement.
4. Remove the rear brake cylinder. Refer to Rear Brake Cylinder Replacement.

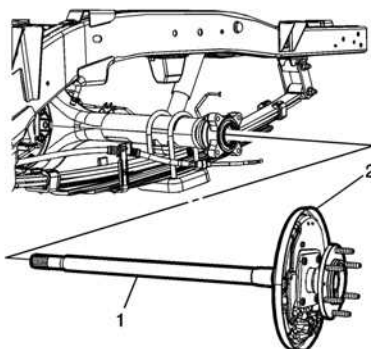


5. Compress the parking brake cable locking tabs (1) and remove the parking brake cable from the rear brake backing plate.

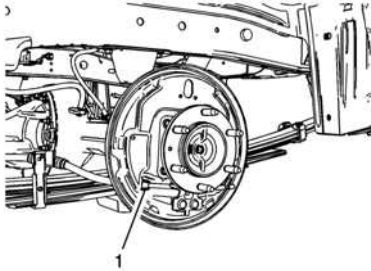


6. Remove the rear axle shaft (1). Refer to Rear Axle Shaft Replacement.
7. Remove the rear brake backing plate (2) from the rear axle shaft.

Installation Procedure



1. Install the rear brake backing plate (2) to the rear axle shaft.
2. Install the rear axle shaft (1). Refer to Rear Axle Shaft Replacement.



3. Engage the parking brake cable locking tabs (1) fully to the rear brake backing plate.
4. Install the rear brake cylinder. Refer to Rear Brake Cylinder Replacement.
5. Install the brake shoes. Refer to Brake Shoe Replacement.
6. Install the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.

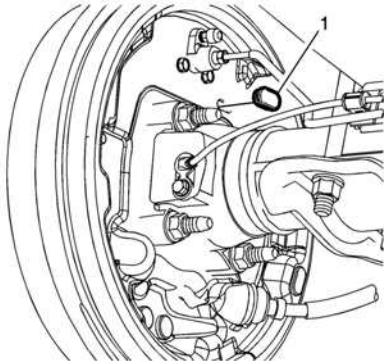
2013 Chevrolet Colorado

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

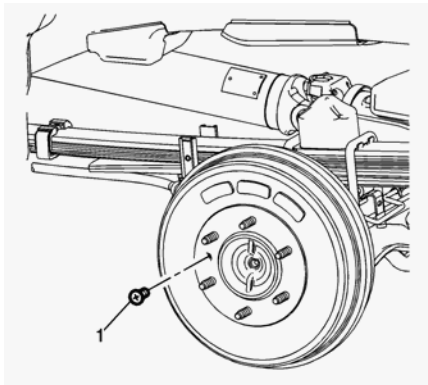
Removal Procedure

Warning: Refer to Brake Dust Warning.

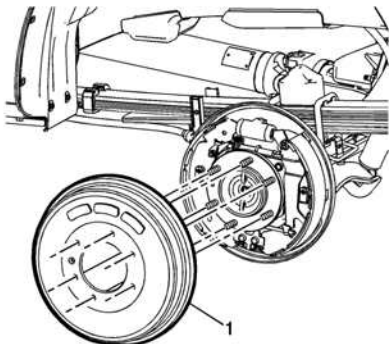
1. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.
2. Remove the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.



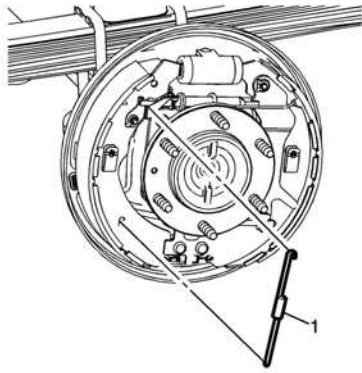
3. If necessary, remove the rear brake shoe adjuster access plug (1) to back off the brake shoe adjustment. Refer to Drum Brake Adjustr



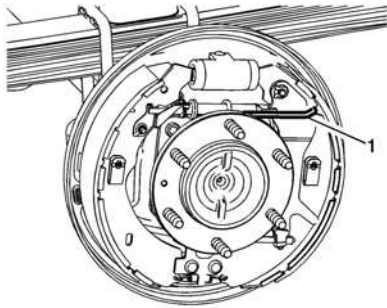
4. Remove the brake drum bolt (1).



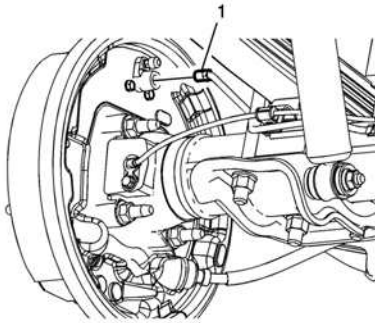
5. Remove the brake drum (1).



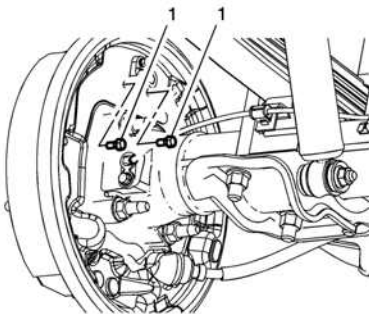
6. Remove the brake shoe adjuster lever return spring (1).



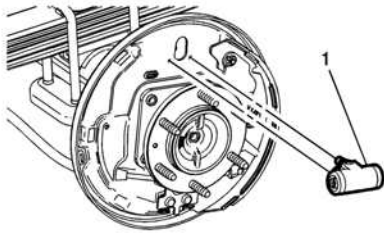
7. Release the upper return spring (1) from the trailing brake shoe web.



8. Disconnect the brake pipe fitting (1) from the rear brake cylinder.
9. Cap the brake pipe fitting to prevent brake fluid loss and contamination.

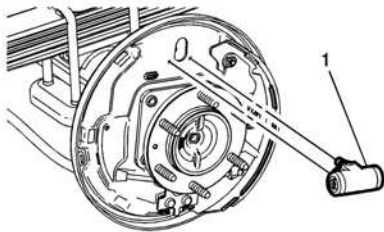


10. Remove the rear brake cylinder bolts (1).

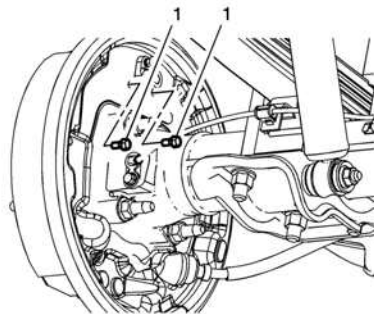


11. Remove the rear brake cylinder (1).

[Installation Procedure](#)

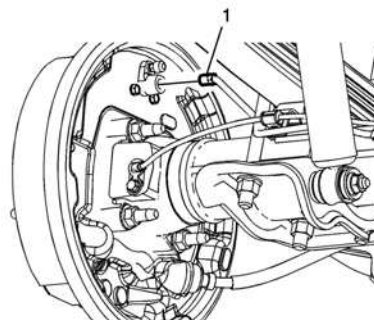


1. Install the rear brake cylinder (1).



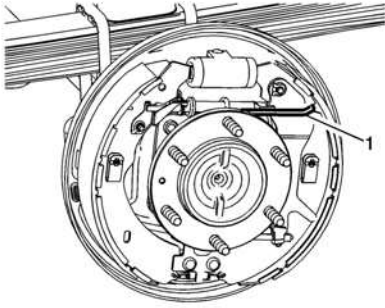
Caution: Refer to Fastener Caution.

2. Install the rear brake cylinder bolts (1) and tighten to **20 Y (15 lb ft)**.

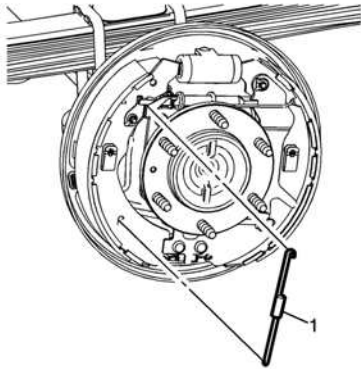


3. Connect the brake pipe fitting (1) to the rear brake cylinder and tighten to **18 Y (13 lb ft)**.

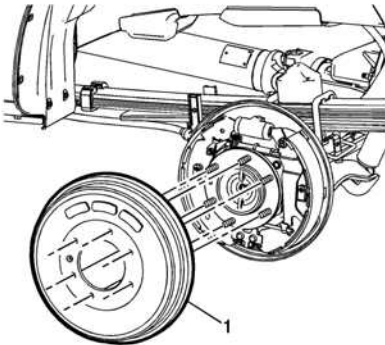
4. Install the upper return spring to the leading shoe web.



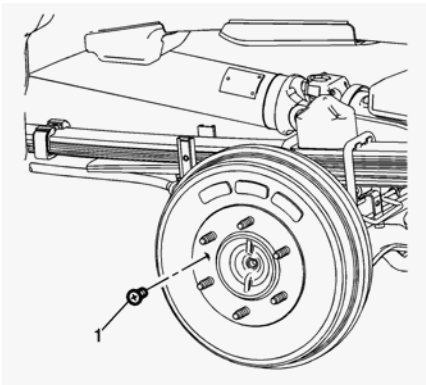
5. Install the upper return spring (1) to the trailing brake shoe web.



6. Install the brake shoe adjuster lever return spring (1).



7. Install the brake drum (1).



8. Install the brake drum bolt (1) and tighten to **9 Y (80 lb in)**.
9. Bleed the hydraulic brake system. Refer to Hydraulic Brake System Bleeding.
10. Adjust the drum brakes. Refer to Drum Brake Adjustment.
11. Install the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation.

2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:

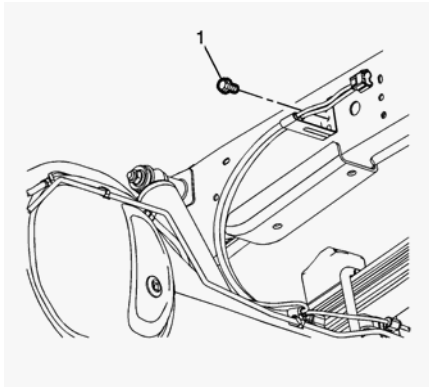
Fuel Delivery: | Fuel:

Removal Procedure

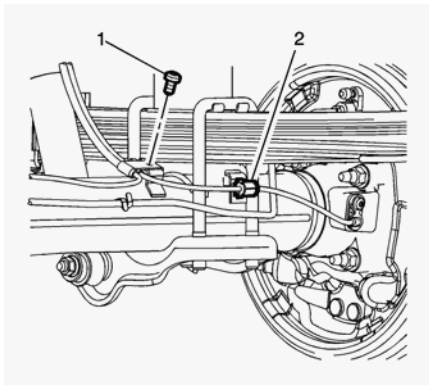
Warning: Refer to Brake Dust Warning.

Note: The left and right rear wheel speed sensor is replaced as an assembly.

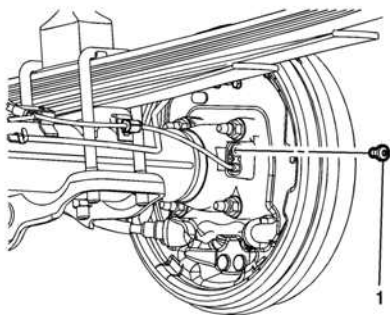
1. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.



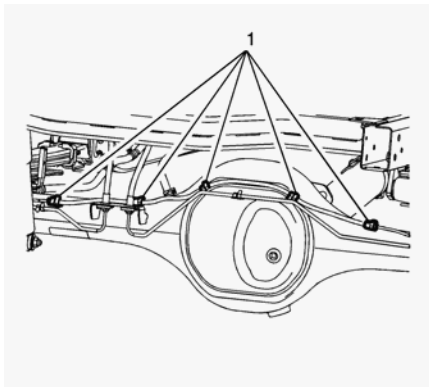
2. Disconnect the wheel speed sensor harness electrical connector.
3. Remove the wheel speed sensor harness bracket bolt (1).



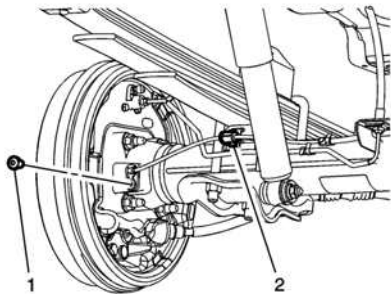
4. Remove the wheel speed sensor harness bracket bolt (1).
5. Release the right wheel speed sensor harness clip (2).



6. Thoroughly clean the wheel speed sensor mounting area of the rear axle of any dirt and debris.
7. Remove the right rear wheel speed sensor bolt (1).
8. Carefully remove the wheel speed sensor from the rear axle by pulling straight outward.



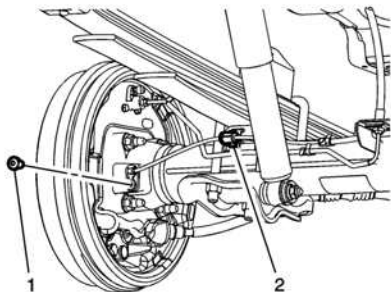
9. Release the wheel speed sensor harness from the rear axle clips (1).



10. Thoroughly clean the wheel speed sensor mounting area of the rear axle of any dirt and debris.
11. Remove the left rear wheel speed sensor bolt (1).
12. Carefully remove the wheel speed sensor from the rear axle by pulling straight outward.
13. Release the wheel speed sensor harness clip (2).
14. Remove the wheel speed sensor harness assembly.

Installation Procedure

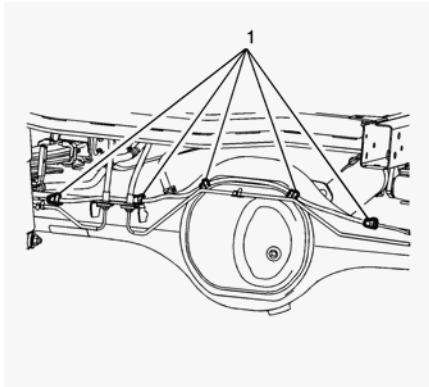
1. Install the wheel speed sensor harness assembly.



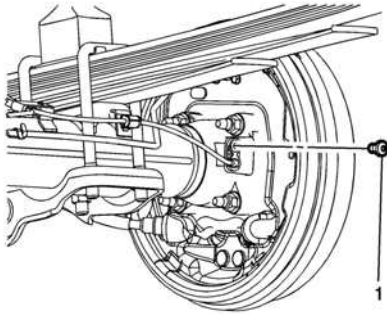
2. Install the left rear wheel speed sensor to the rear axle.

Caution: Refer to Fastener Caution.

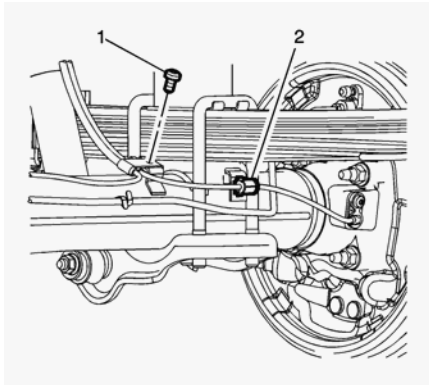
3. Install the left rear wheel speed sensor bolt (1) and tighten to **11 Y (97 lb in)**.
4. Install the wheel speed sensor harness clip (2).



5. Install the wheel speed sensor harness to the rear axle clips (1).

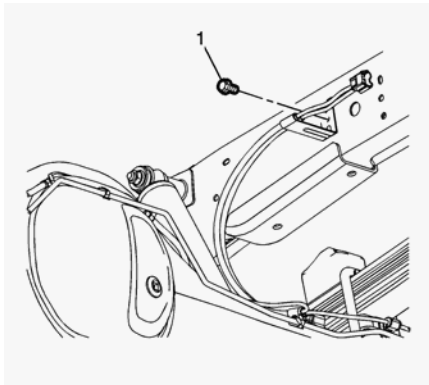


6. Install the right rear wheel speed sensor bolt (1) and tighten to **11 Y (97 lb in)**.



7. Install the wheel speed sensor harness bracket bolt (1) and tighten to **11 Y (97 lb in)**.

8. Install the right wheel speed sensor harness clip (2).



9. Install the wheel speed sensor harness bracket bolt (1) and tighten to **11 Y (97 lb in)**.

10. Connect the wheel speed sensor harness electrical connector.

2013 Chevrolet Colorado

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

Special Tools

- *CH-41013* Rotor Resurfacing Kit
- *CH-42450-A* Wheel Hub Resurfacing Kit

For equivalent regional tools, refer to Special Tools.

Warning: Refer to Brake Dust Warning.

1. The brake drums do not require refinishing as part of routine brake system service. Do not refinish brake drums in an attempt to correct the following conditions:

- Brake system noise (squeal, growl, groan)
- Uneven and/or premature brake lining wear
- Superficial or cosmetic corrosion/rust of the brake drum surface
- Scoring of the brake drum surface (less than the maximum allowable specification)

- Brake drums should only be refinished if the following conditions exist:

- Excessive corrosion/rust and/or pitting
- Cracks and/or heat spots
- Excessive blueing discoloration
- Scoring of the brake drum surface (in excess of the maximum allowable specification)
- Radial runout in excess of the maximum allowable specification

- Inspect each of the brake drums and determine if the brake drums can be refinished and remain within the maximum allowable diameter after refinish specification:

1. With the tire and wheel assemblies removed, measure the diameter of each of the brake drums. Refer to Brake Drum Diameter Measurement.
2. Inspect each of the brake drums for excessive surface wear and/or radial runout. Refer to Brake Drum Surface and Wear Inspection.

- If the brake drums can be refinished, proceed with the rotor refinishing procedure.
- If necessary, use the *CH-41013* Rotor Resurfacing Kit in order to thoroughly clean any corrosion/rust from the brake drum flange.
- Mount the brake drum to the brake lathe according to the lathe manufacturer's instructions.
- Ensure that any vibration dampening attachments are securely in place.
- With the brake lathe running, slowly bring in the cutting tool until it just contacts the brake drum friction surface.
- Observe the witness mark on the brake drum. If the witness mark extends approximately three-quarters or more of the way around the brake drum surface, the brake drum is properly mounted to the lathe.
- If the witness mark does not extend three-quarters or more of the way around the brake drum, re-mount the brake drum to the lathe.
- Following the brake lathe manufacturer's instructions, refinish the brake drum.
- After each successive cut, inspect the brake drum diameter. Refer to Brake Drum Diameter Measurement.
- If at any time the brake drum exceeds the maximum allowable diameter after refinish specification, the brake drum must be replaced.
- After refinishing the brake drum, use the following procedure in order to obtain the desired non-directional finish:

1. Follow the brake lathe manufacturer's recommended speed setting for applying a non-directional finish
2. Using moderate pressure, apply the non-directional finish:

- If the lathe is equipped with a non-directional finishing tool, apply the finish with 120 grit aluminum oxide sandpaper.
- If the lathe is not equipped with a non-directional finishing tool, apply the finish with a sanding block and 150 grit aluminum oxide sandpaper.

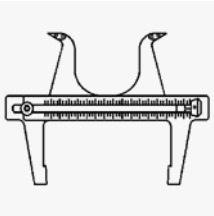
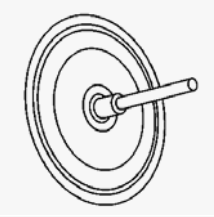
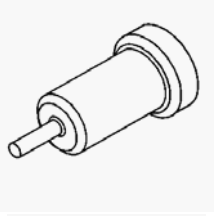
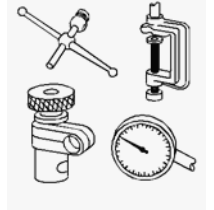
- After applying a non-directional finish, clean the friction surface of the brake drum with denatured alcohol or an equivalent brake cleaner and wipe the friction surface using a clean shop towel to remove metal particles remaining from machining. Repeat the cleaning process if necessary to remove all metal particles.
- Remove the brake drum from the brake lathe.

Note: Failure to clean the corrosion from the wheel bearing flange may result in increased lateral runout of the brake drum and brake system pulsation.

- If necessary, use the *CH-42450-A* Wheel Hub Resurfacing Kit in order to thoroughly clean any corrosion from the wheel bearing flange.

2013 Chevrolet Colorado

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

Illustration	Tool Number/ Description
	CH 230-A J 21177-A Gauge
	CH 41013 J 41013 Rotor Resurfacing Kit
	CH 42450-A J 42450-A Wheel Hub Resurfacing Kit
	GE 8001 J 8001 Dial Indicator Set