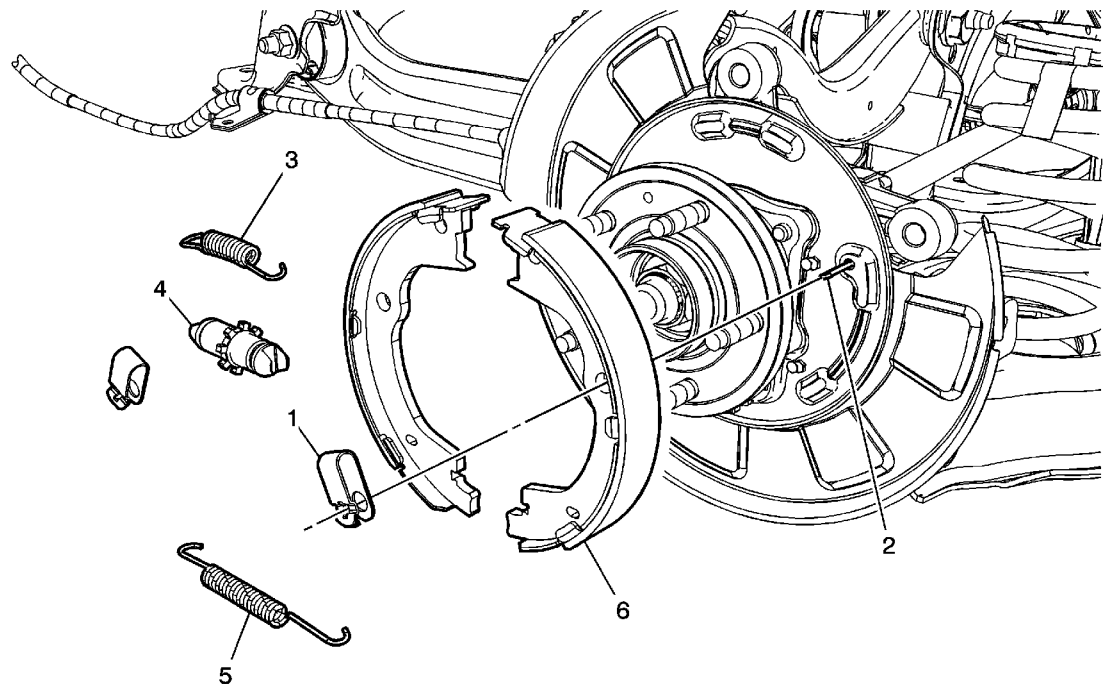


# Fastener Tightening Specifications

Application	Specification	
	Metric	English
Park Brake Cable Bracket Bolt and Nut	12 N·m	106 lb in
Park Brake Cable Bracket Bolt	12 N·m	106 lb in
Park Brake Front Cable Guide Nuts	25 N·m	18 lb ft
Park Brake Lever Assembly Nuts	25 N·m	18 lb ft

# Parking Brake Shoe Replacement



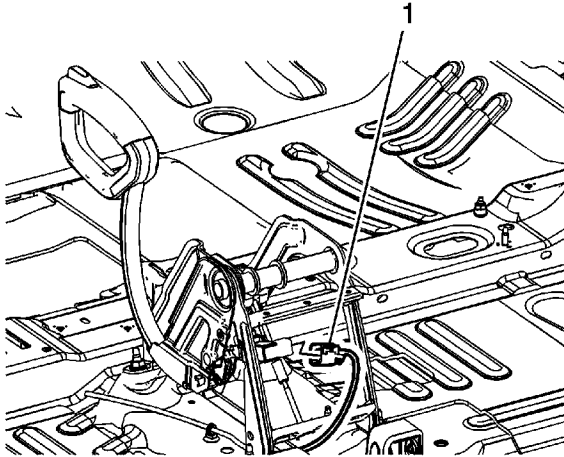
Callout	Component Name
<b>Warning:</b> Refer to <a href="#">Brake Dust Warning</a> in the Preface section.	
<b>Preliminary Procedures</b>	
1. Raise and support the vehicle. Refer to <a href="#">Lifting and Jacking the Vehicle</a> .	
2. Remove the rear tire and wheel. Refer to <a href="#">Tire and Wheel Removal and Installation</a> .	
3. Remove the rear brake rotor. Refer to <a href="#">Rear Brake Rotor Replacement</a> .	
1	Park Brake Shoe Hold Down Spring (Qty: 2) <b>Procedure</b> Compress the spring and rotate 1/4 turn to release.
2	Park Brake Shoe Hold Down Spring Pin (Qty: 2)
3	Park Brake Shoe Adjuster Spring <b>Procedure</b> Using the <a href="#">J 38400</a> , remove the adjuster spring.

	<a href="#">J 38400</a> Brake Shoe Spanner and Spring Remover
4	Park Brake Shoe Adjuster Screw  <b>Procedure</b>  Clean the threads and apply high temperature grease to the adjuster screw.
5	Park Brake Shoe Return Spring  <b>Procedure</b>  Using the <a href="#">J 38400</a> , remove the return spring.  <b>Special Tools</b>  <a href="#">J 38400</a> Brake Shoe Spanner and Spring Remover
6	Park Brake Shoe (Qty: 2)  <b>Procedure</b>  <ol style="list-style-type: none"> <li>1. Use denatured alcohol to clean brake dust or grease from the park brake shoes and hardware.</li> <li>2. If reinstalling the park brake shoes, note the location of the park brake shoes for installation.</li> <li>3. Apply a small amount of high temperature silicone grease to the brake shoe and backing plate contact points.</li> <li>4. Adjust the park brake. Refer to <a href="#">Parking Brake Adjustment</a>.</li> </ol>

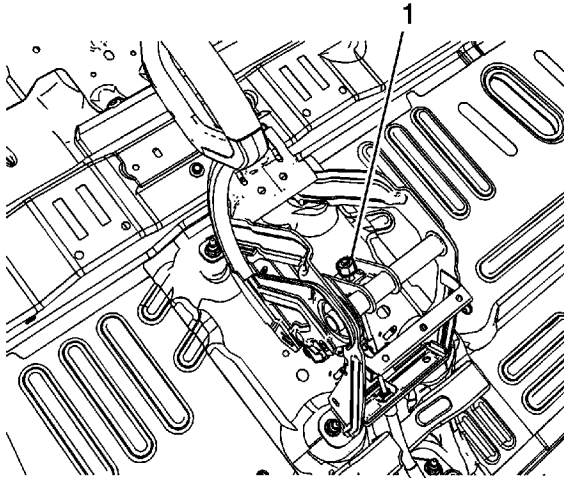
# Parking Brake Lever Replacement

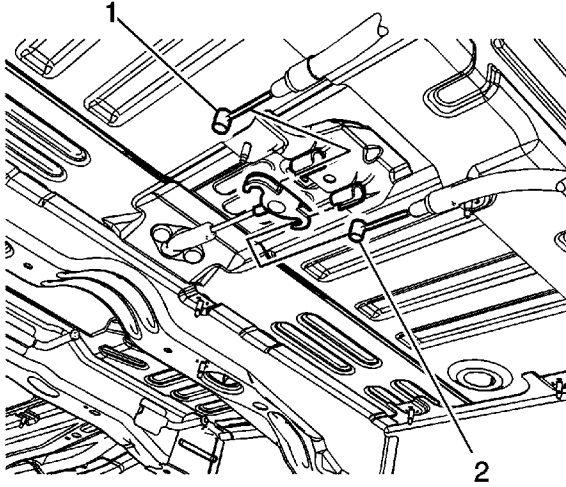
## Removal Procedure

1. Place the park brake lever in the released position.
2. Disable the supplemental inflatable restraint (SIR) system. Refer to [SIR Disabling and Enabling](#).
3. Remove the front floor console. Refer to [Front Floor Console Replacement](#).

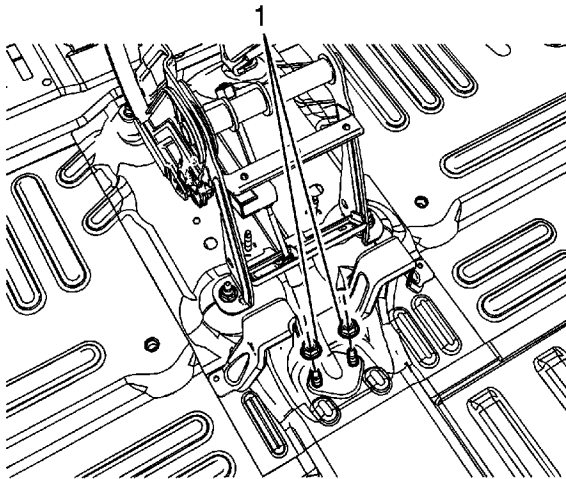


4. Disconnect the park brake warning lamp switch electrical connector (1).

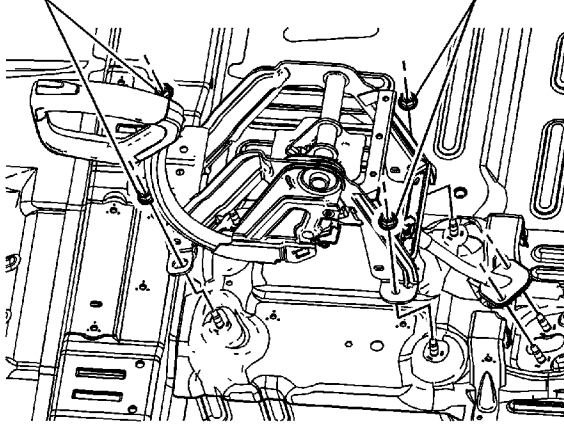




6. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
7. Release the left rear park brake cable (1) and the right rear park brake cable (2) from the equalizer.
8. Lower the vehicle.

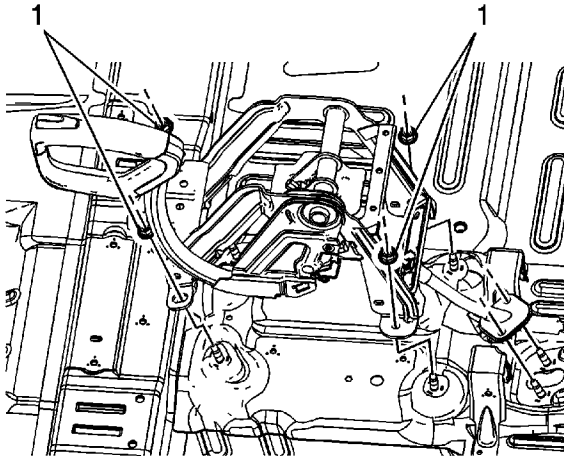


9. Remove the 2 front park brake cable guide nuts (1).



10. Remove the 4 park brake lever assembly nuts (1).
11. Remove the park brake lever assembly from the vehicle while guiding the front park brake cable and equalizer through the floor panel.

## Installation Procedure

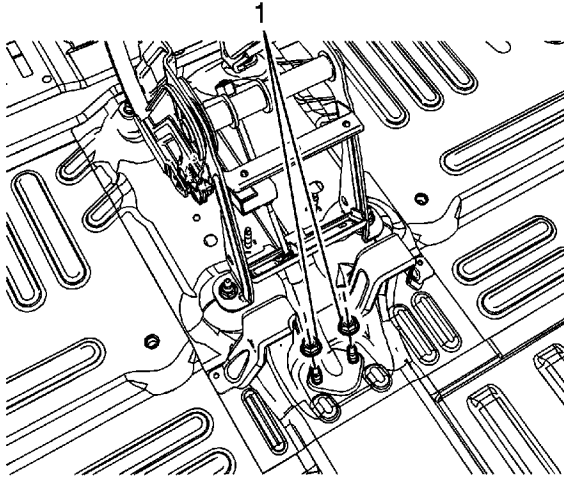


1. Install the park brake lever assembly to the vehicle while guiding the front park brake cable and equalizer through the floor panel.

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

**Tighten**

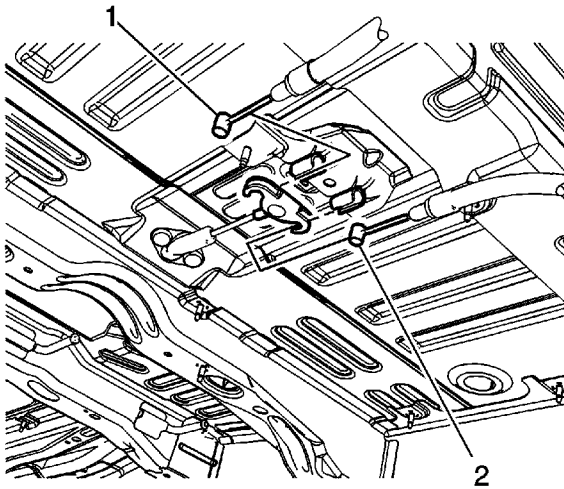
Tighten the nuts to 25 N·m (18 lb ft).



3. Install the 2 front park brake cable guide nuts (1).

**Tighten**

Tighten the nuts to 25 N·m (18 lb ft).



4. Raise and support the vehicle.

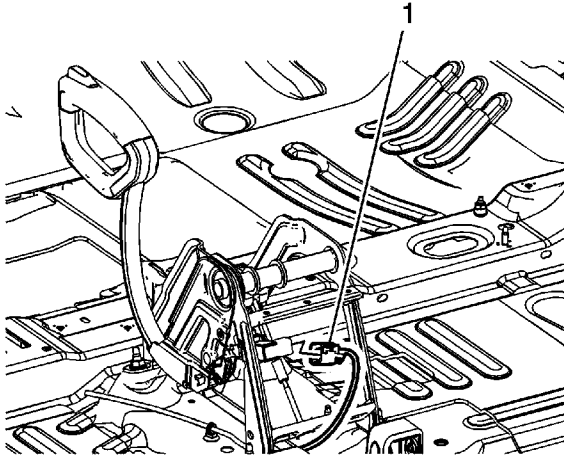
6. Adjust the park brake. Refer to [Parking Brake Adjustment](#).
7. Install the front floor console. Refer to [Front Floor Console Replacement](#).
8. Enable the SIR system. Refer to [SIR Disabling and Enabling](#).



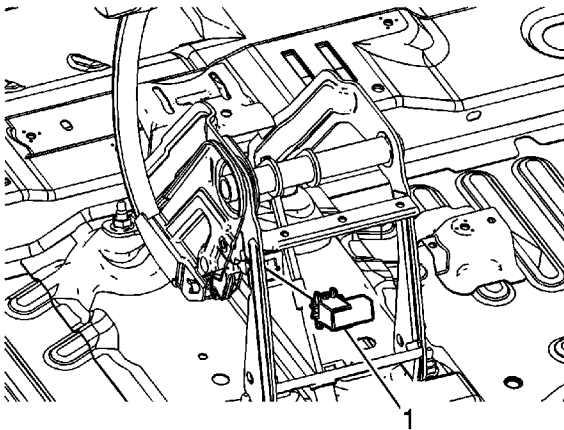
# Parking Brake Indicator Switch Replacement

## Removal Procedure

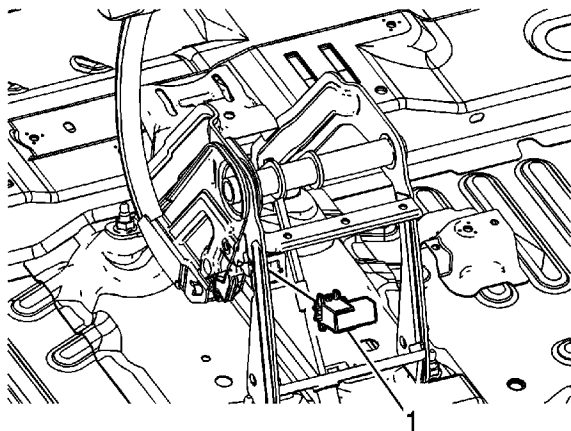
1. Place the park brake lever in the released position.
2. Disable the supplemental inflatable restraint (SIR) system. Refer to [SIR Disabling and Enabling](#).
3. Remove the front floor console. Refer to [Front Floor Console Replacement](#).



4. Disconnect the park brake warning lamp switch electrical connector (1).

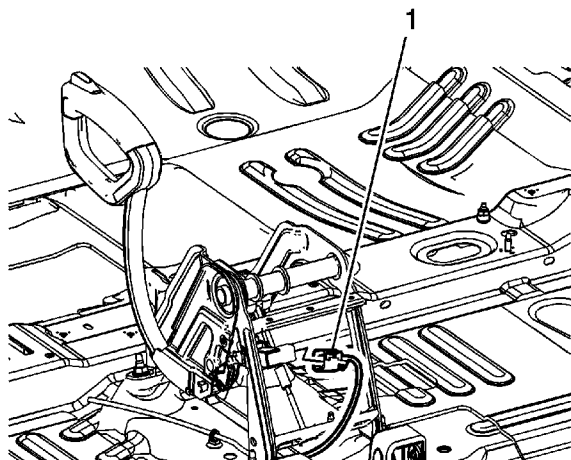


5. Remove the park brake warning lamp switch (1) by compressing the locking tabs.



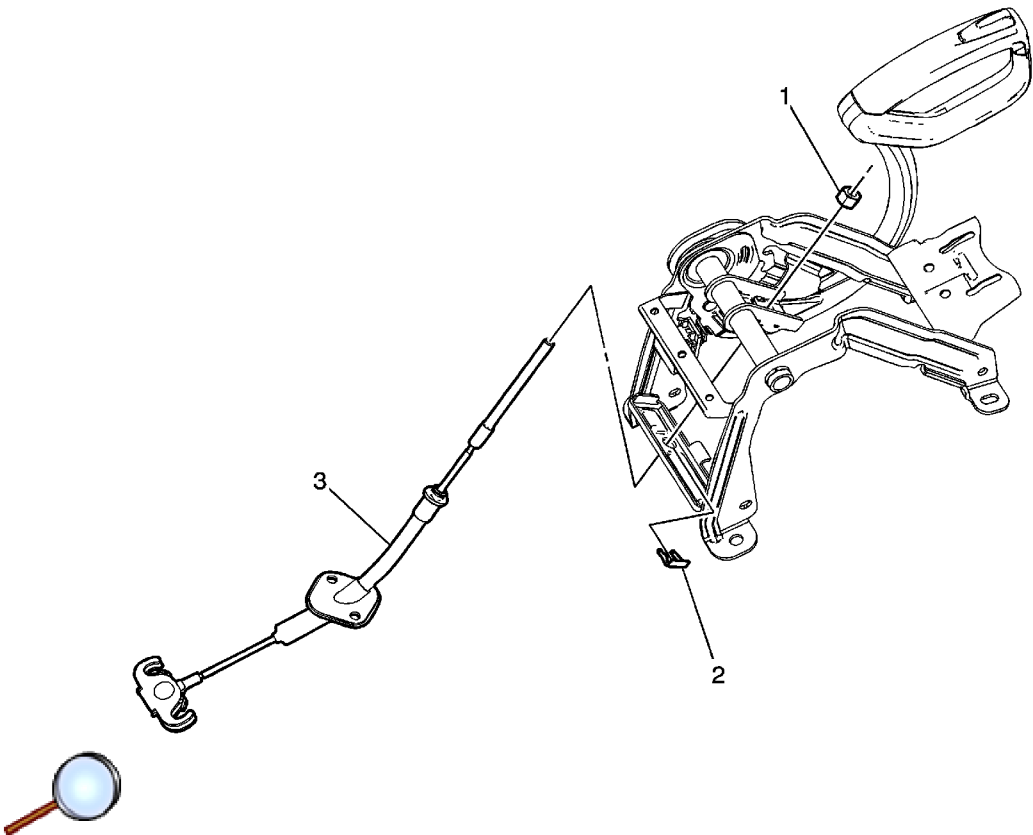
1. Install the park brake warning lamp switch (1).

Ensure the switch is properly positioned and the locking tabs are fully deployed.



2. Connect the park brake warning lamp switch electrical connector (1).
3. Install the front floor console. Refer to [Front Floor Console Replacement](#).
4. Enable the SIR system. Refer to [SIR Disabling and Enabling](#).

# Parking Brake Front Cable Replacement



Callout	Component Name
<b>Preliminary Procedure</b>	
Remove the park brake lever assembly. Refer to <a href="#">Parking Brake Lever Replacement</a> .	
1	Park Brake Cable Adjuster Nut <b>Procedure</b> Using ONLY hand tools, remove the park brake cable adjuster nut.
2	Front Park Brake Cable Clip
3	Front Park Brake Cable <b>Procedure</b> After the installation is complete, adjust the park brake. Refer to <a href="#">Park Brake Adjustment</a> .

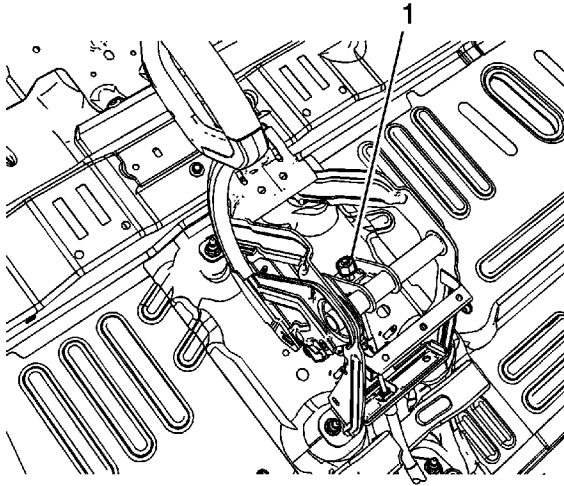
# Parking Brake Rear Cable Replacement

## Special Tools

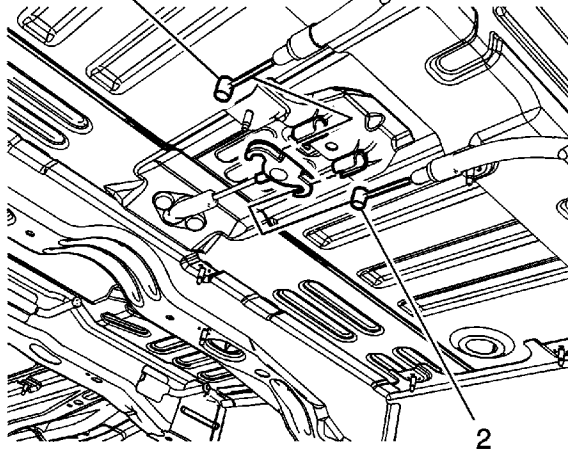
[J 37043](#) Park Brake Cable Release Tool

## Removal Procedure

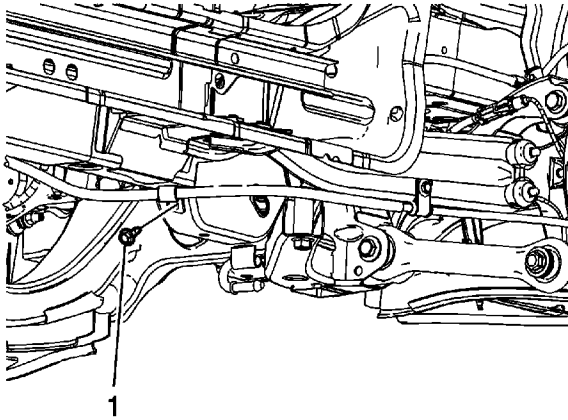
1. Place the park brake lever in the fully released position.
2. Disable the supplemental inflatable restraint (SIR) system. Refer to [SIR Disabling and Enabling](#).
3. Remove the front floor console. Refer to [Front Floor Console Replacement](#).



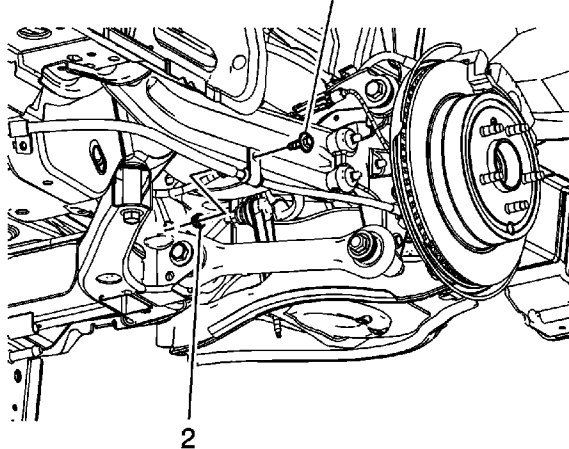
4. Using ONLY hand tools, loosen the adjusting nut (1) completely to the end of the front cable threaded rod.



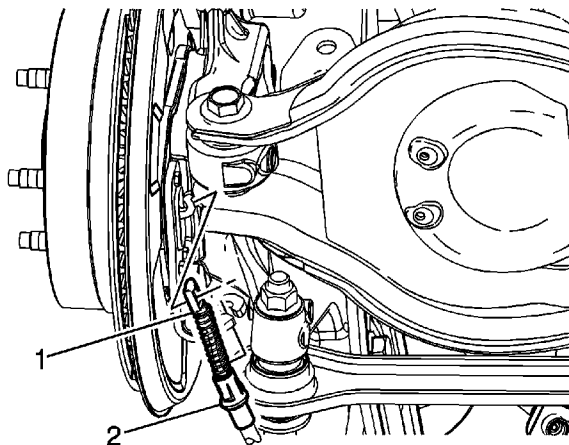
5. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
6. Remove the rear tire and wheel assembly. Refer to [Tire and Wheel Removal and Installation](#).
7. Disconnect the left rear park brake cable (1) or the right rear park brake cable (2) from the front park brake cable equalizer.



8. Remove the park brake cable bracket bolt (1).

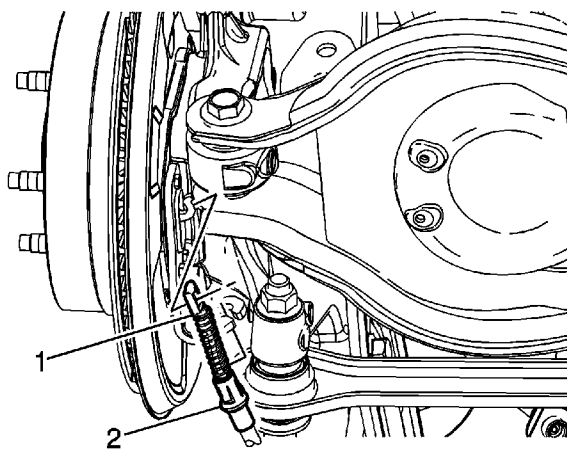


9. Remove the park brake cable bracket bolt (1) and nut (2).



10. Disconnect the park brake cable eyelet (1) from the park brake actuator.
11. Compress the park brake cable conduit spring.
12. Using the [J 37043](#) , remove the park brake cable (2) from the mounting bracket.
13. Remove the park brake cable.

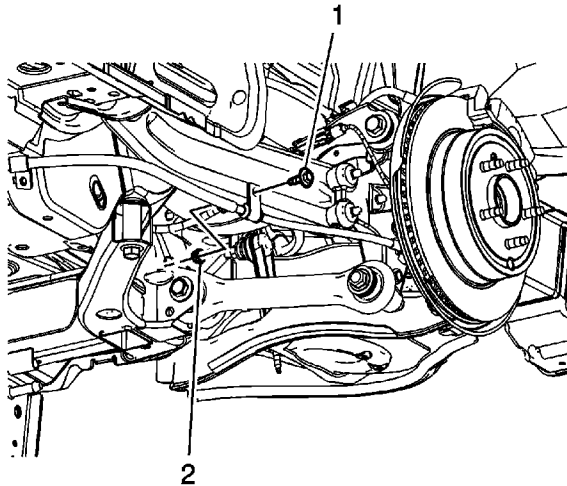
## Installation Procedure



1. Connect the park brake cable eyelet (1) from the park brake actuator.
2. Compress the park brake cable conduit spring.
3. Install the park brake cable (2) to the mounting bracket.

Ensure the locking tabs on the park brake cable conduit are fully deployed.

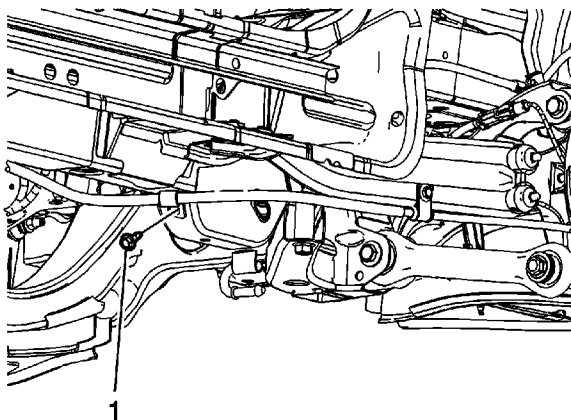
**Caution:** Refer to [Fastener Caution](#) in the Preface section.



4. Install the park brake cable bracket bolt (1) and nut (2).

#### **Tighten**

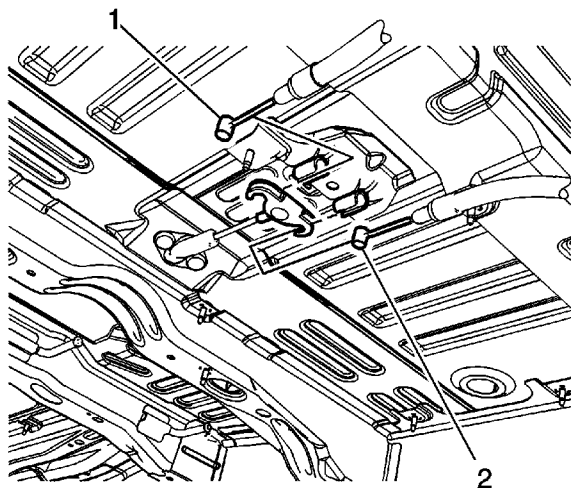
Tighten the bolt and nut to 12 N·m (106 lb in).



5. Install the park brake cable bracket bolt (1).

**Tighten**

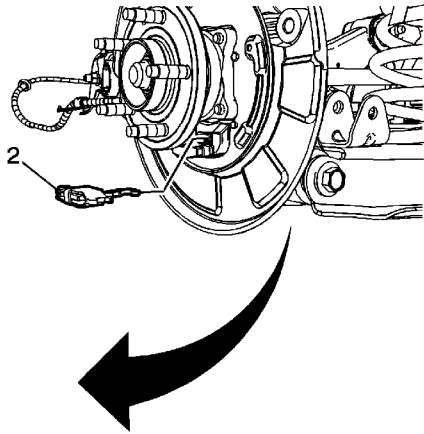
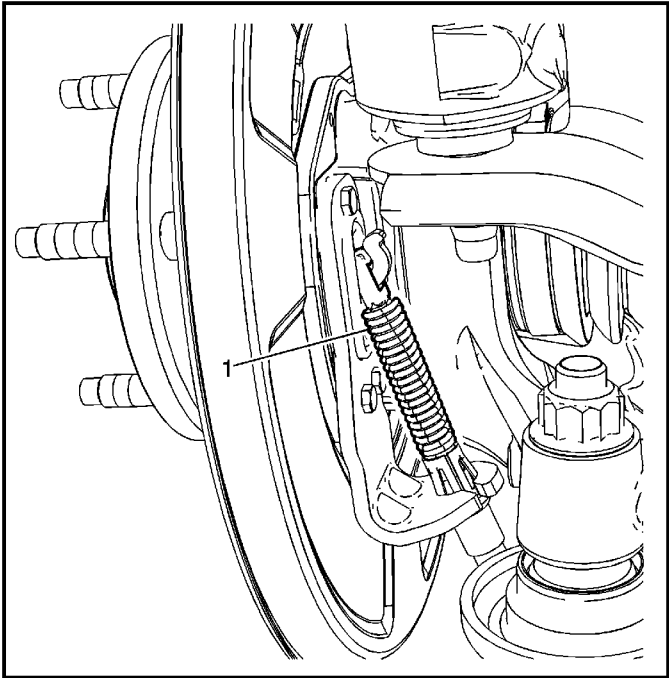
Tighten the bolt to 12 N·m (106 lb in).



6. Connect the left rear park brake cable (1) or the right rear park brake cable (2) to the park brake cable equalizer.
7. Adjust the park brake. Refer to [Parking Brake Adjustment](#).
8. Install the tire and wheel assembly. Refer to [Tire and Wheel Removal and Installation](#).
9. Install the front floor console. Refer to [Front Floor Console Replacement](#).
10. Enable the SIR system. Refer to [SIR Disabling and Enabling](#).



# Parking Brake Actuator Replacement



Callout	Component Name
<b>Warning:</b> Refer to <a href="#">Brake Dust Warning</a> in the Preface section.	
<b>Preliminary Procedures</b>  1. Raise and support the vehicle. Refer to <a href="#">Lifting and Jacking the Vehicle</a> . 2. Remove the tire and wheel. Refer to <a href="#">Tire and Wheel Removal and Installation</a> . 3. Remove the park brake shoes. Refer to <a href="#">Parking Brake Shoe Replacement</a> .	
1	Park Brake Cable Eye  <b>Procedure</b>  Disconnect the park brake cable eye from the actuator lever.
2	Parking Brake Actuator  <b>Procedure</b>  Adjust the park brake. Refer to <a href="#">Parking Brake Adjustment</a> .

# Parking Brake Adjustment

## Special Tools

[J 21177-A](#) Drum to Brake Shoe Clearance Gauge

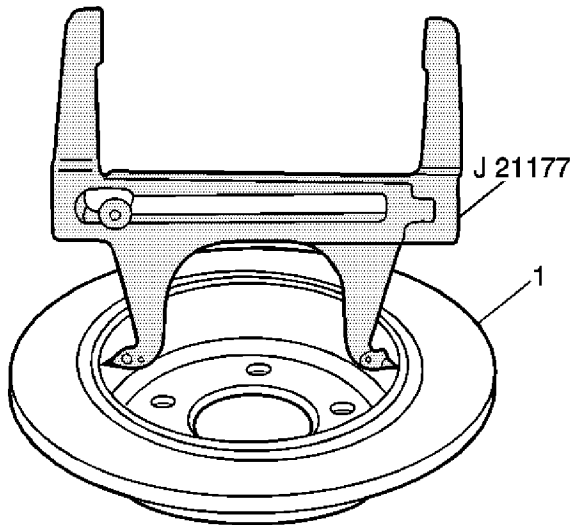
## Park Brake Shoe Adjustment

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

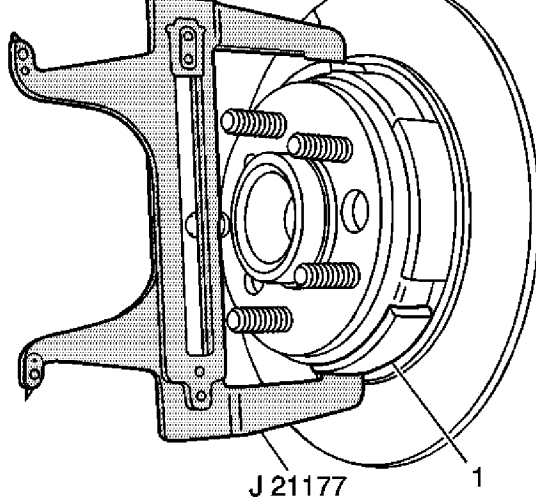
1. Apply and fully release the park brake lever.
2. Verify that the park brake lever releases completely.
3. Turn ON the ignition. Verify that the red BRAKE warning indicator lamp is off.
4. Turn OFF the ignition.
5. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
6. Remove the rear tire and wheel assemblies. Refer to [Tire and Wheel Removal and Installation](#).

**Note:** Do not operate the park brake lever with the rear disc brake rotors removed.

7. Remove the rear disc brake rotors. Refer to [Rear Brake Rotor Replacement](#).



8. Place the inside measurement contacts of the [J 21177-A](#) at the widest point of the drum portion of the brake rotor (1).
9. Tighten the set screw on the tool in order to ensure the proper measurement when removing the tool from the drum.



10. Position the outside measurement contacts of the [J 21177-A](#) over the park brake shoe (1) at the widest point.

**Note:** If the gap between the adjuster nut and the adjuster screw exceeds 5 mm (0.25 in) during the adjustment procedure, the park brake shoe must be replaced.

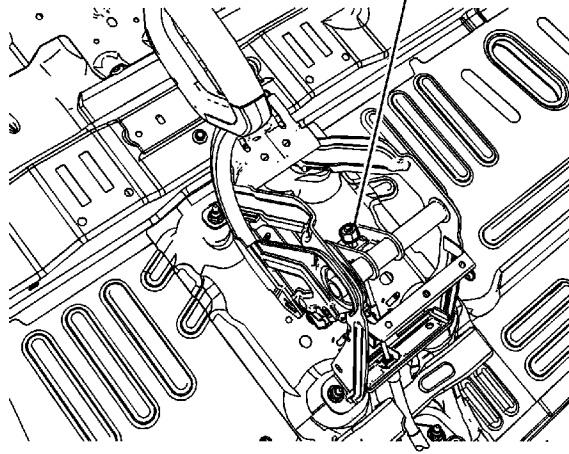
11. Adjust the park brake shoe-to-drum clearance by rotating the adjustment nut on the park brake actuator.

#### **Specification**

0.38 mm (0.015 in)

12. Install the rear brake rotors. Refer to [Rear Brake Rotor Replacement](#).
13. Install the rear tire and wheel assemblies. Refer to [Tire and Wheel Removal and Installation](#).
14. Apply the park brake lever. Inspect the rotation of the rear wheels:
  - The wheels should not rotate forward.
  - The wheels should drag or not rotate rearward.
15. If the rear tire and wheel assemblies rotate forward or do not exhibit drag rearward, proceed to the park brake cable adjustment.
16. Release the park brake lever. Verify that the wheels rotate freely.

## **Park Brake Cable Adjustment**



1. Remove the front floor console. Refer to [Front Floor Console Replacement](#).
2. With the park brake lever in the fully released position, using ONLY hand tools, loosen the adjusting nut (1) completely to the end of the front cable threaded rod.
3. Raise the park brake lever 1 detent position.

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

4. Using ONLY hand tools, tighten the park brake cable adjusting nut until light to moderate drag is exhibited while rotating the rear wheels.
5. Attempt to rotate the rear wheels. There should be no rotation forward or rearward.
6. Fully release the park brake lever.
7. Verify the park brake is released by rotating the rear wheels. The wheels should rotate freely and exhibit no park brake shoe drag.
8. If the wheels do not rotate freely, repeat the park brake cable adjustment procedure.
9. Raise the park brake lever 3 detent positions and attempt to rotate the rear wheels:
  - One of the wheels should not rotate forward or rearward.
  - The other wheel should not rotate forward or rearward, or should require substantial effort to rotate.
10. Install the front floor console. Refer to [Front Floor Console Replacement](#).
11. Release the park brake lever.