

# SECTION : 4G

## PARKING BRAKE

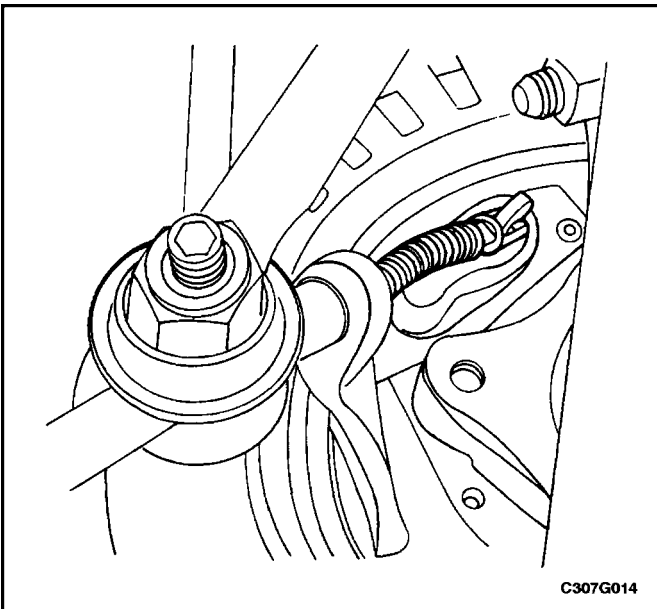
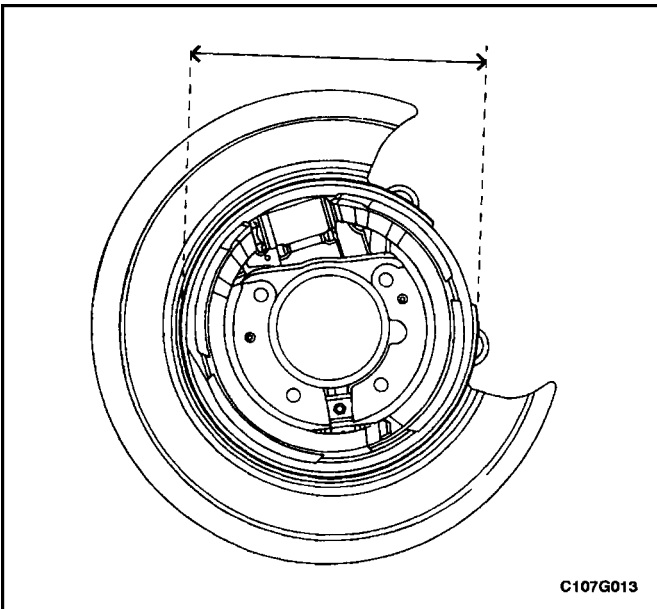
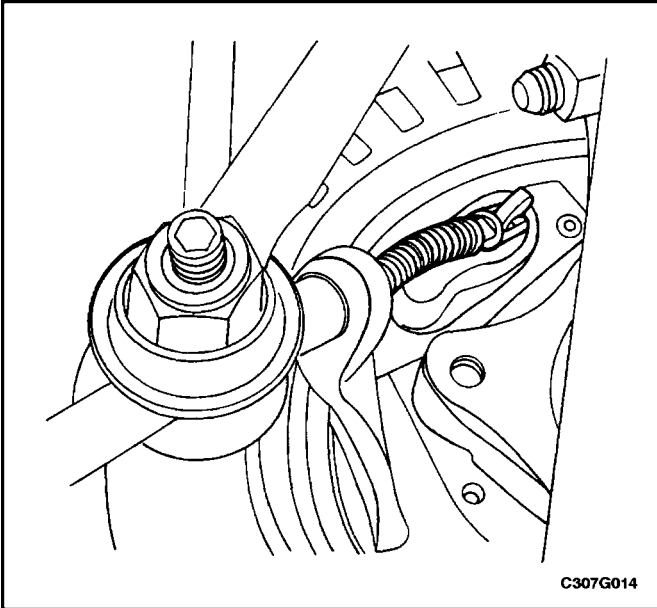
### TABLE OF CONTENTS

<b>SPECIFICATIONS</b> ..... 4G-1 FASTENER TIGHTENING SPECIFICATIONS . 4G-1 <b>MAINTENANCE AND REPAIR</b> ..... 4G-2 ON-VEHICLE SERVICE ..... 4G-2 PARKING BRAKE ADJUSTMENT – REAR DISC BRAKES ..... 4G-2	PARKING BRAKE LEVER ..... 4G-3 PARKING BRAKE CABLE ..... 4G-6 PARKING BRAKE HANDLE ..... 4G-10 <b>GENERAL DESCRIPTION AND SYSTEM</b> <b>OPERATION</b> ..... 4G-12 PARKING BRAKE ..... 4G-12
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### SPECIFICATIONS

#### FASTENER TIGHTENING SPECIFICATIONS

Application	N•m	Lb-Ft	Lb-In
Front Muffler Heat Shield Nuts	2.5	–	22
Keyless Entry Receiver Screws	10	–	89
Parking Brake Cable Bracket-to-Trailing Link Bracket Nuts	90	66	–
Parking Brake Cable Console Mounting Bracket Nuts	25	18	–
Parking Brake Cable Nut	12	–	106
Parking Brake Lever Assembly-to-Vehicle Underbody Bolts	20	15	–
Parking Brake Switch-to-Parking Brake Lever Screw	4	–	35



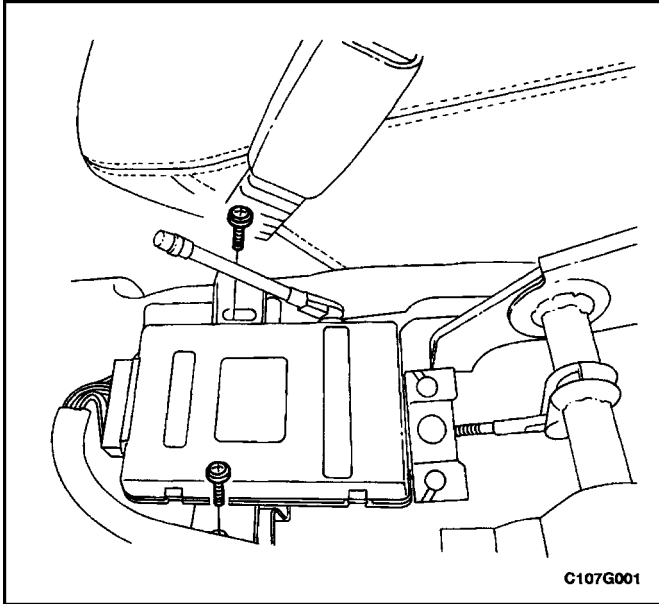
## MAINTENANCE AND REPAIR

### ON-VEHICLE SERVICE

#### PARKING BRAKE ADJUSTMENT – REAR DISC BRAKES

##### Adjustment Procedure

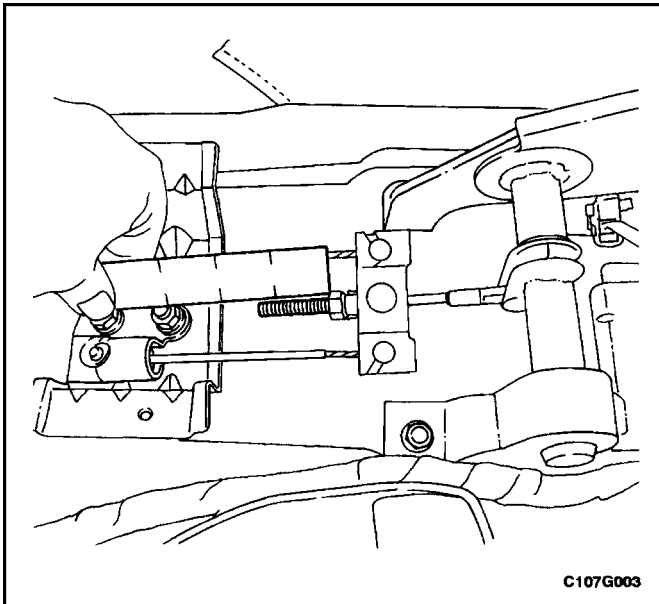
1. Release the parking brake.
2. Raise and suitably support the vehicle.
3. Remove the rear wheels. Refer to *Section 2E, Tires and Wheels*.
4. Remove the caliper and the rotor assemblies. Refer to *Section 4E, Rear Disc Brakes*.
5. Disconnect the parking brake cable from the backplate operating lever on each side of the vehicle.
6. Inspect and replace any parts of doubtful strength or quality because of discoloration from heat or stress.
7. Using a vernier caliper, adjust the shoe assembly to 167.6 to 167.8 mm (6.60 to 6.61 inches) by turning the adjuster nut clockwise to increase the diameter.
8. Install the caliper and the rotor assemblies. Refer to *Section 4E, Rear Disc Brakes*.
9. Install the rear wheels. Refer to *Section 2E, Tires and Wheels*.
10. Install the parking brake cable to the backplate lever on each side of the vehicle.
11. In the vehicle cabin, pull on the parking brake handle and stop after hearing two clicks.
12. Turn the rear wheel by hand until the wheel begins to drag.
13. Release the parking brake.
14. Turn the rear wheel by hand to check drag and the readjust the cable, if necessary.
15. Repeat the process for the other rear wheel and lower the vehicle.



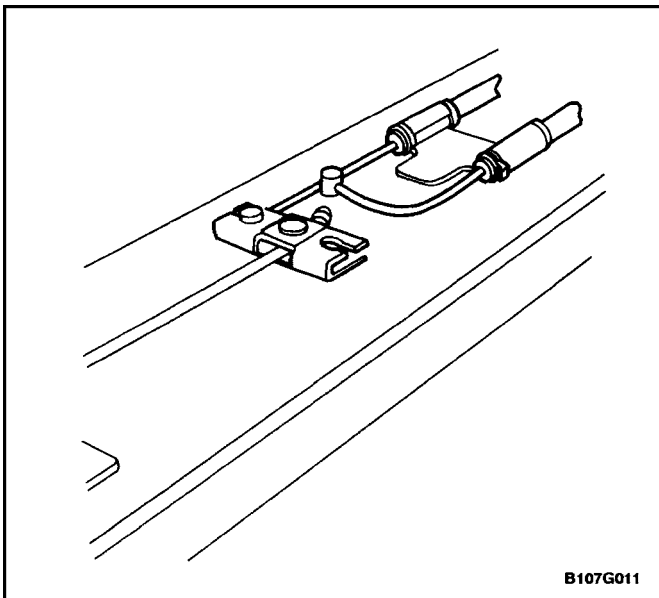
## PARKING BRAKE LEVER

### Removal Procedure

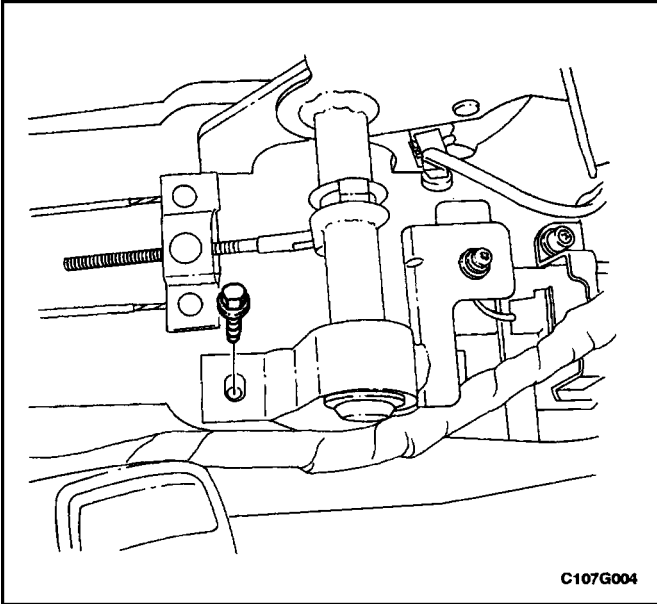
1. Release the parking brake.
2. Remove the parking brake/gearshift console hood. Refer to *Section 9G, Interior Trim*.
3. If necessary, remove the screws and the washers securing the keyless entry receiver to the underbody bracket.



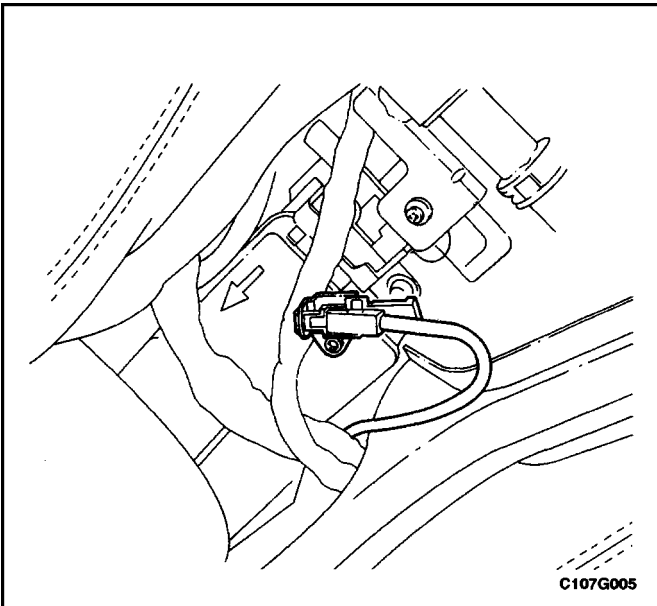
4. Measure the thread length from the end of the pull rod to the hex nut.



5. Loosen the parking brake adjustment nut from the eye bolt pull rod of the parking brake lever assembly.
6. Remove the parking brake cable ends from the equalizer.

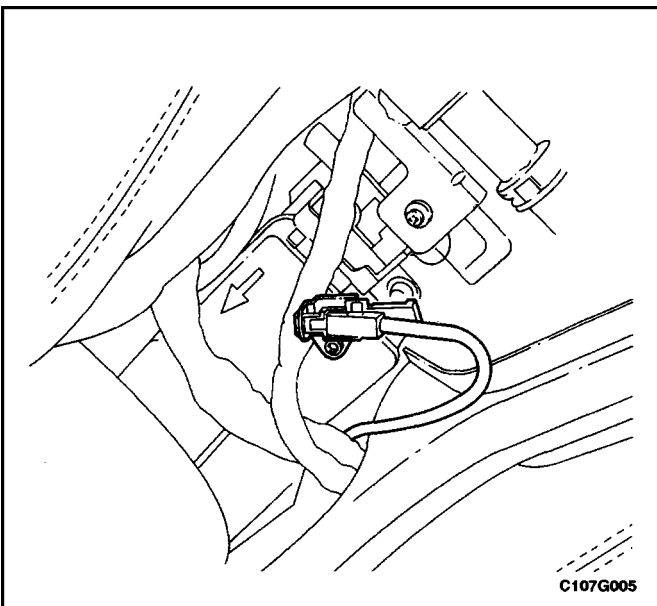


7. Remove the bolts and the washers which secure the complete parking brake lever assembly to the underbody.



**Notice :** The parking brake switch should be replaced if the BRAKE warning light in the instrument panel cluster did not glow when the parking brake was applied with the ignition ON.

8. If necessary, remove the parking brake switch, attached to the parking brake lever assembly by a small screw, and remove the switch.



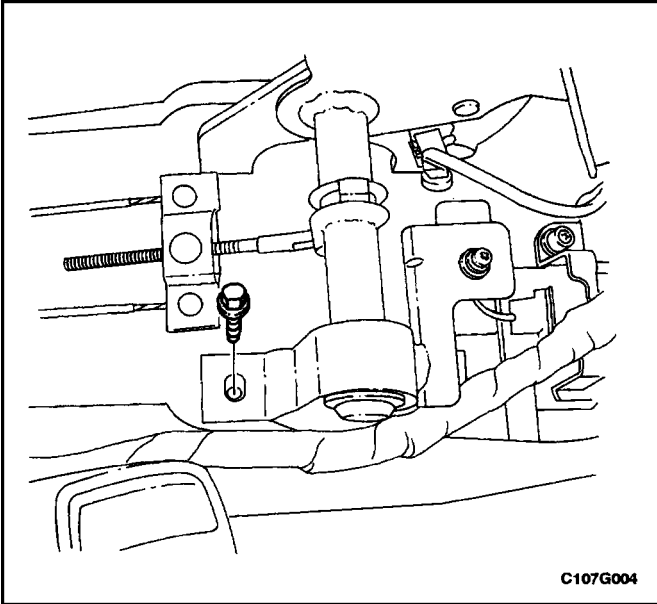
### Installation Procedure

**Notice :** If the parking brake lever is bent or damaged, replace the complete parking brake lever assembly.

1. If necessary, fasten the parking brake switch to the parking brake lever assembly with the screw.

#### **Tighten**

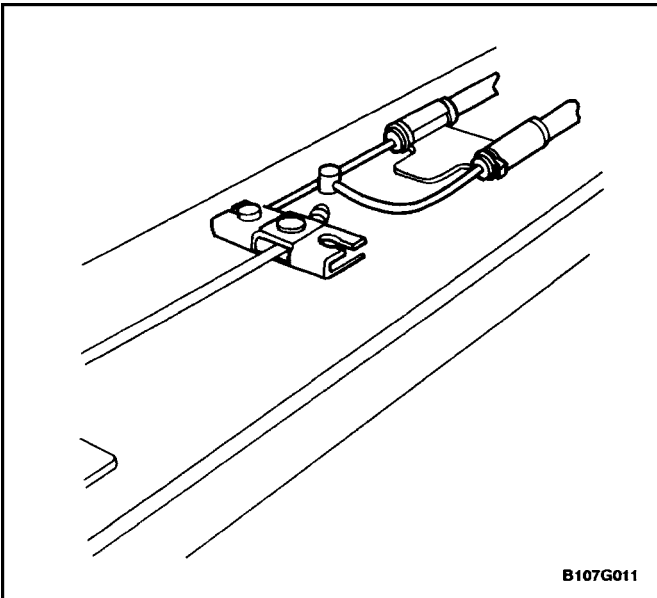
Tighten the parking brake switch-to-parking brake lever screw to 4 N•m (35 lb-in).



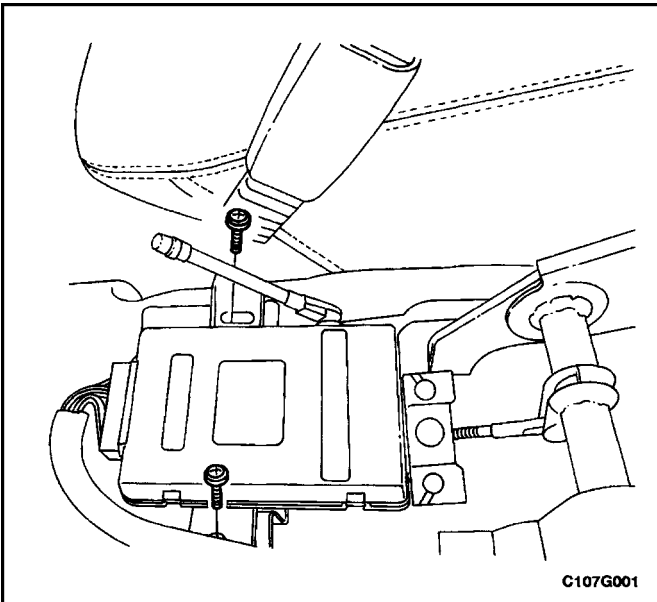
2. Install the parking brake lever bolts, and fasten the parking brake lever assembly to the vehicle underbody.

**Tighten**

Tighten the parking brake lever assembly-to-vehicle underbody bolts to 20 N•m (15 lb–ft).



3. Connect the parking brake cable ends to the equalizer.
4. Check the parking brake adjustment by referring to the original removal adjustment nut measurement taken in the removal procedure. Refer to "Parking Brake Adjustment" in this section.

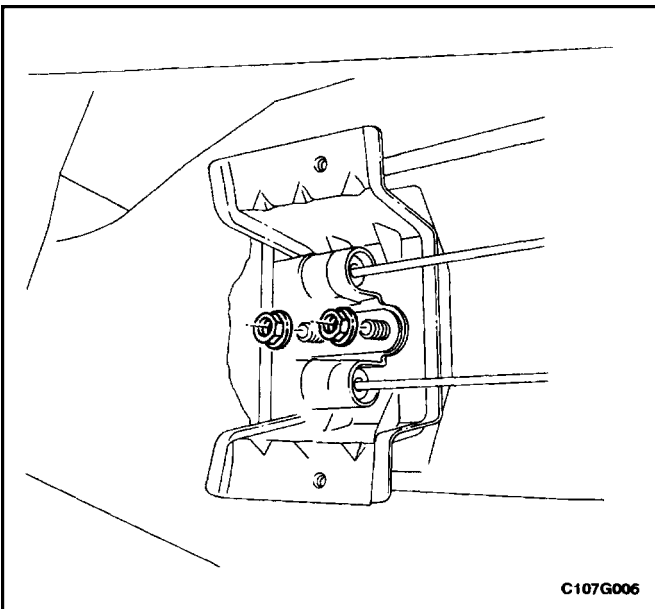
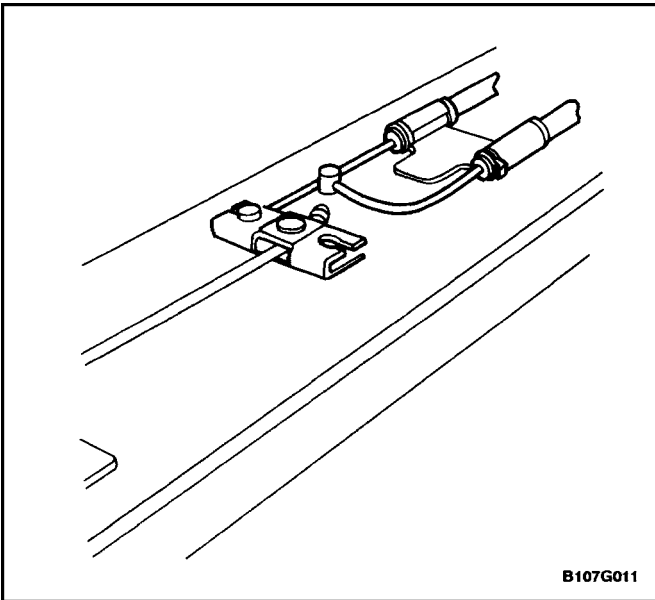
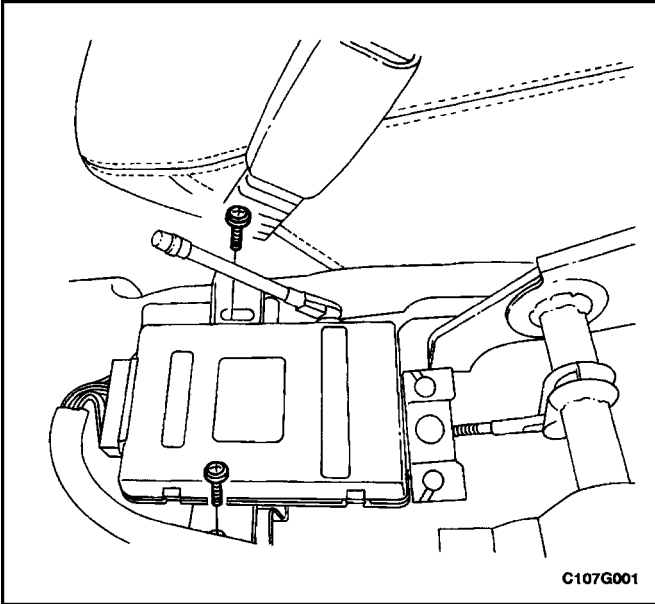


5. If necessary, install the screws and the washers securing the keyless entry receiver to the underbody bracket.

**Tighten**

Tighten the keyless entry receiver screws to 10 N•m (89 lb–in).

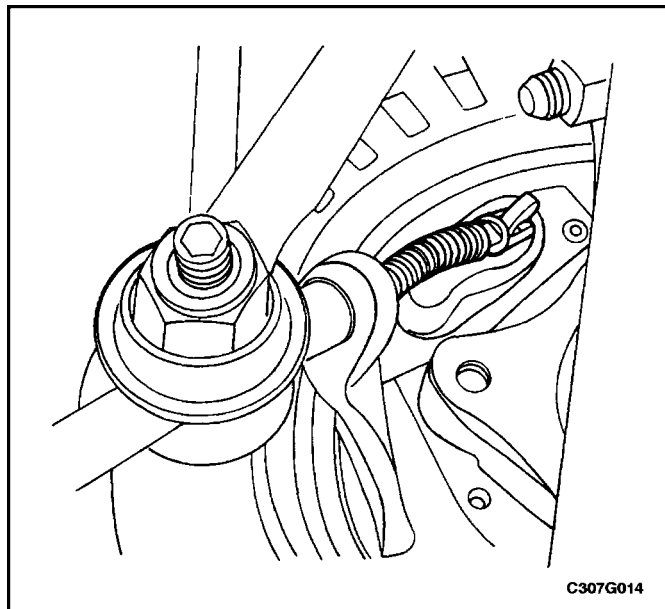
6. Install the parking brake/gearshift console hood. Refer to *Section 9G, Interior Trim*.



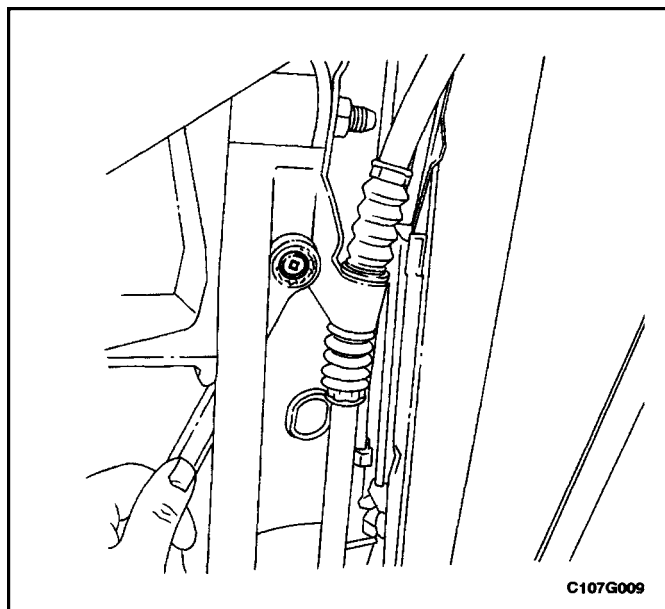
## PARKING BRAKE CABLE

### Removal Procedure

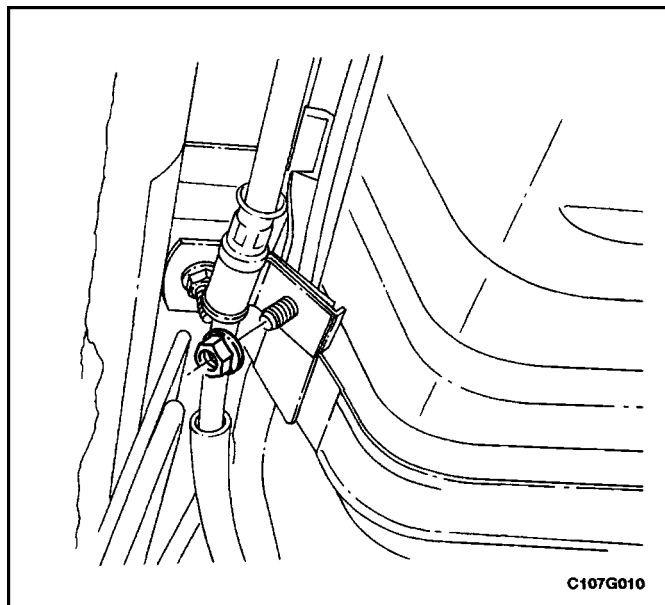
1. Remove the parking brake/gearshift console hood. Refer to *Section 9G, Interior Trim*.
2. If necessary, remove the screws and the washers that secure the keyless entry receiver to the body bracket.
3. Loosen the parking brake adjustment nut from the eyebolt pull rod of the parking brake lever assembly.
4. Remove the parking brake cable ends from the equalizer, and remove the equalizer.
5. Remove the nuts that secure the parking brake cable to the console underbody mounting bracket.
6. Raise and suitably support the vehicle.
7. Remove the rear wheels. Refer to *Section 2E, Tires and Wheels*.



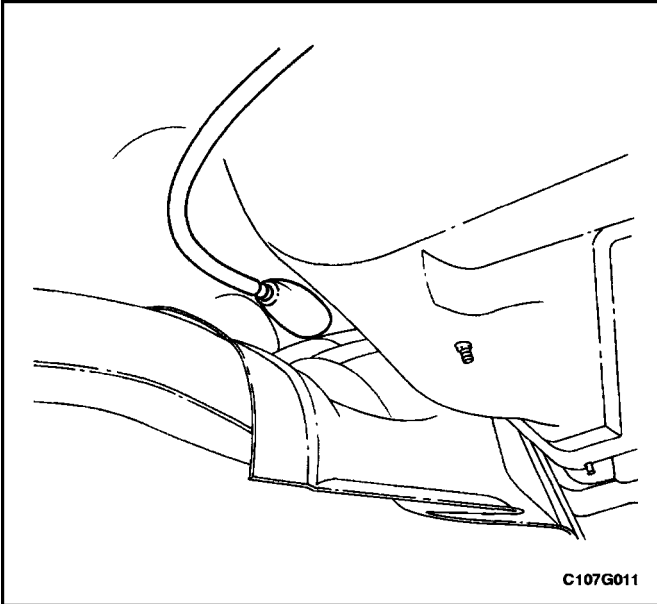
8. Unfasten the parking brake cable from the lever at the rear of the backing plate.
9. Remove the clip that holds the cable into the protruding hole on the rear knuckle assembly.



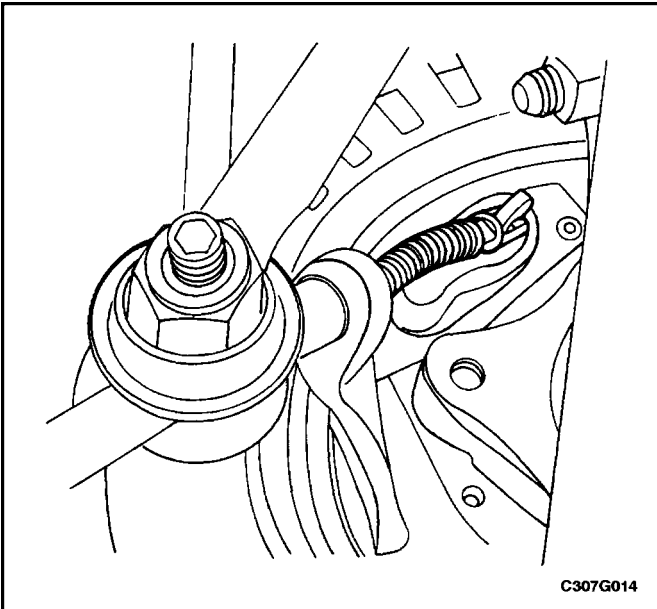
10. Remove the bolt securing the parking brake cable to a holding bracket, attached to the trailing link brackets on both the driver and passenger sides of the vehicle.



11. Remove the nut that secures the parking brake cable to the bracket near the fuel tank strap (passenger and driver sides).

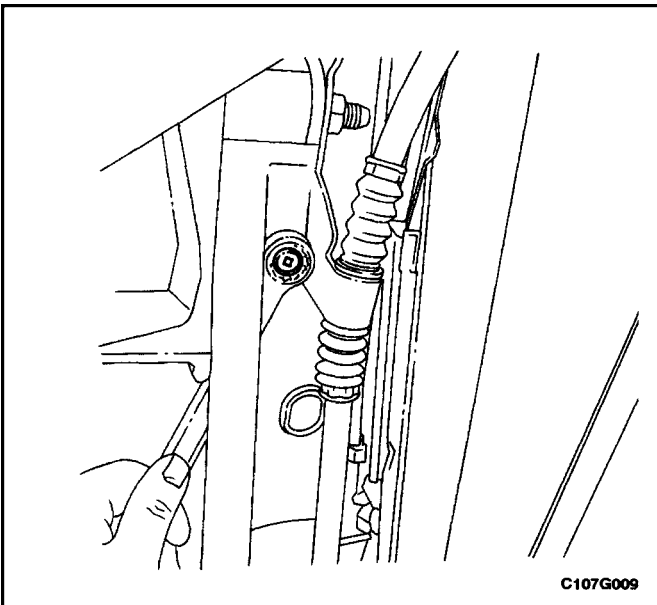


12. Remove the front muffler heat shield nuts, and let the shield rest on the front muffler.
13. Pull out each parking brake cable (and rubber grommet) from its underbody access to the parking brake/gearshift console.



### Installation Procedure

1. Route the parking brake cable to the protruding hole on the rear knuckle assembly.
2. Fasten the parking brake cable to the lever at the rear of the disc brake backing plate.
3. Install the clip that secures the parking brake cable to the protruding hole on the rear knuckle assembly.

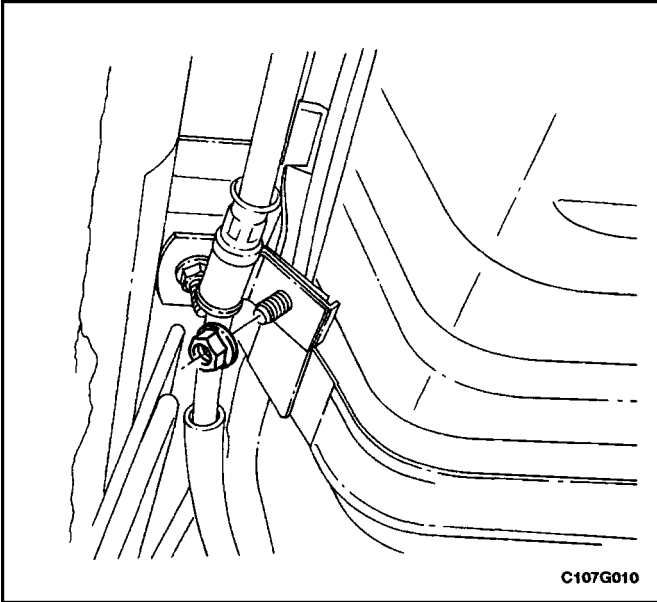


4. Install the bolt securing the parking brake cable to a holding bracket, attached to the trailing link bracket on both the driver and passenger sides of the vehicle.

### Tighten

Tighten the parking brake cable bracket-to-trailing link bracket nuts to 90 N•m (66 lb–ft).

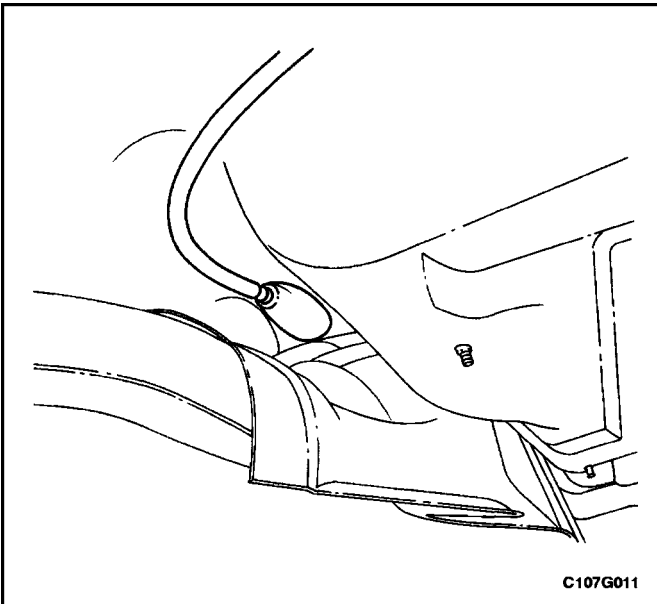




5. Install the nut that secures the parking brake cable to the bracket near the fuel tank strap (passenger and driver sides).

### **Tighten**

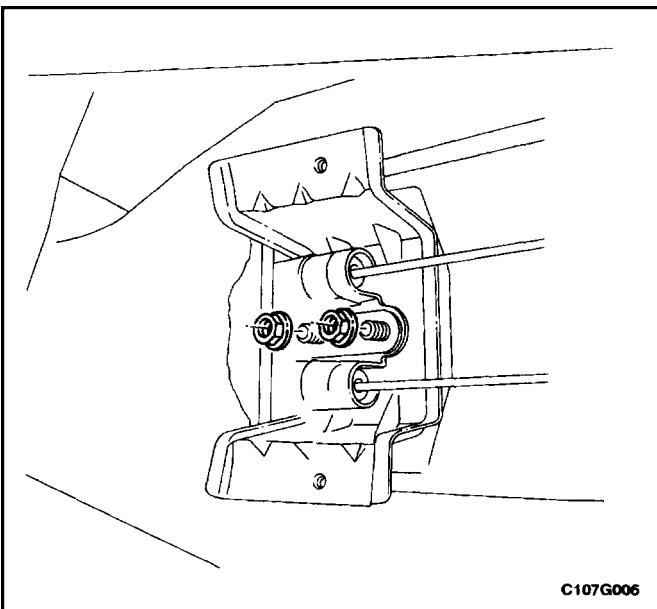
Tighten the parking brake cable nut to 12 N•m (106 lb–ft).



6. Route the parking brake cables through the access holes to the parking brake/gearshift console.
7. Install the rubber grommet for each cable.
8. Install the front muffler heat shield.

### **Tighten**

Tighten the front muffler heat shield nuts to 2.5 N•m (22 lb–in).

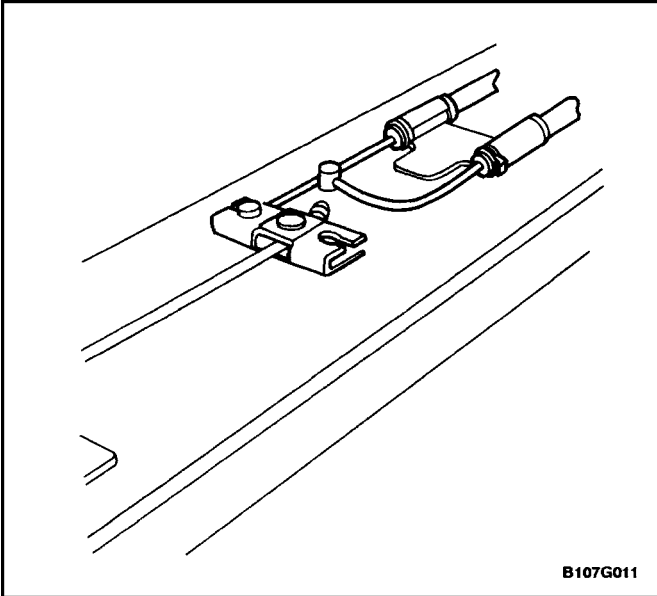


9. Route the parking brake cable through the console-to-underbody mounting bracket and secure the bracket with the nuts.

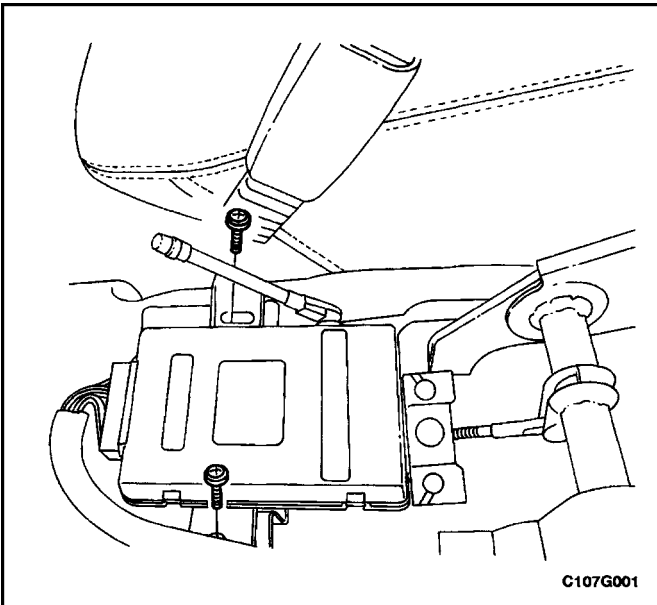
### **Tighten**

Tighten the parking brake cable console mounting bracket nuts to 25 N•m (18 lb–ft).

10. Install the rear wheels. Refer to *Section 2E, Tires and Wheels*.
11. Lower the vehicle.



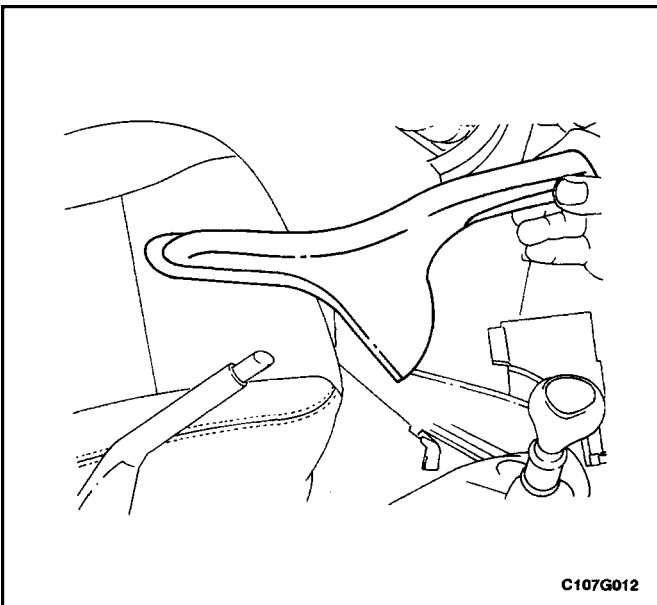
12. Attach the parking brake cable ends to the equalizer.



13. Install the parking brake/gearshift console hood. Refer to *Section 9G, Interior Trim*.
14. Adjust the parking brake. Refer to "Parking Brake Adjustment" in this section.
15. Install the screws and the washers securing the keyless entry receiver to the underbody bracket.

### **Tighten**

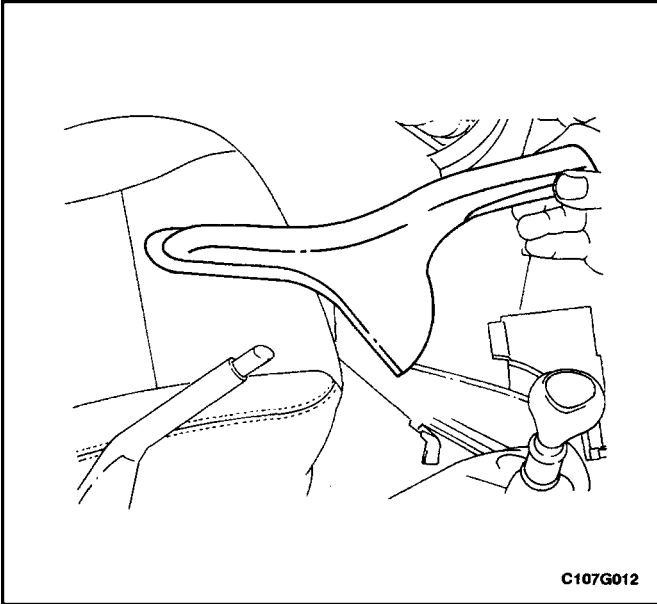
Tighten the keyless entry receiver screws to 10 N•m (89 lb-in).



## **PARKING BRAKE HANDLE**

### **Removal Procedure**

1. Remove the parking brake/gearshift console hood. Refer to *Section 9G, Interior Trim*.
2. Slip the parking brake handle off of the parking brake lever.

**Installation Procedure**

1. Push the parking brake handle as far as it will go on the parking brake lever.
2. Install the parking brake/gearshift console hood.  
Refer to *Section 9G, Interior Trim*.

## **GENERAL DESCRIPTION AND SYSTEM OPERATION**

### **PARKING BRAKE**

This braking system uses a BRAKE warning light located in the instrument panel cluster.

The following conditions will activate the BRAKE lamp:

- The parking brake is applied when the ignition is ON. The lamp will turn off when the parking brake is released.

- The fluid level is below the minimum mark in the master cylinder reservoir. The lamp will turn off when the fluid level is above the minimum.
- As a test of the lamp circuit, the BRAKE lamp will glow dimly when the ignition is ON, even if the parking brake is off and fluid level is above the minimum. The lamp will turn off when the engine is started.

When the brake is firmly applied, the parking brake should hold the vehicle with ample pedal travel remaining. Check for frayed cables, rust, etc. or any condition that may inhibit present (or future) free movement of the parking brake lever assembly.