

SECTION : 4G

PARKING BRAKE

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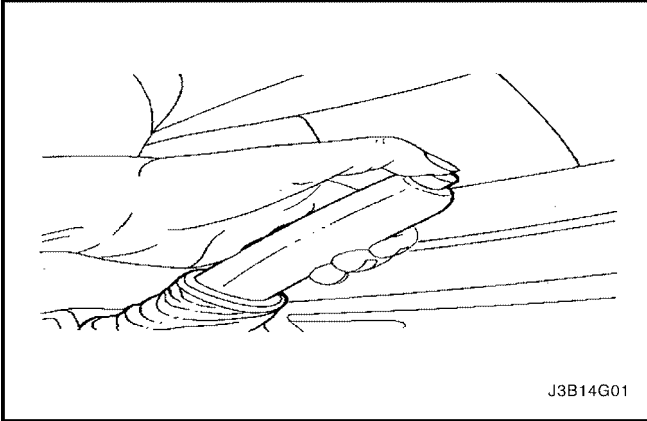
SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Application	N•m	Lb-Ft	Lb-In
Parking Brake Cable-to-Underbody Side Bracket bolts	6	-	53
Parking Brake Lever Assembly-to-Vehicle Underbody Bolts	22	16	-
Parking Brake Switch-to-Parking Brake Lever Screw	4	-	35
Rear Brake Drum Detent Screw	4	-	35

MAINTENANCE AND REPAIR

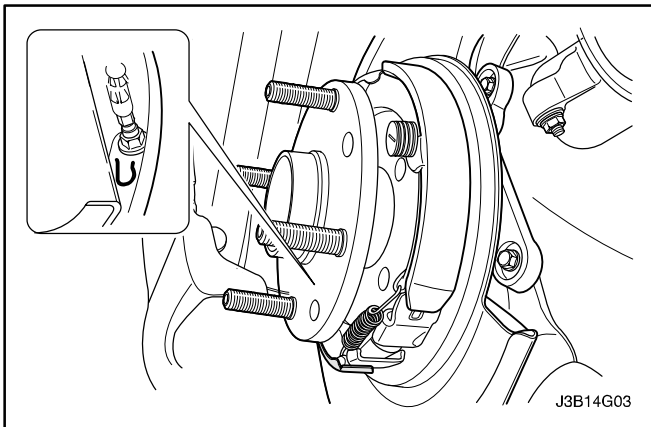
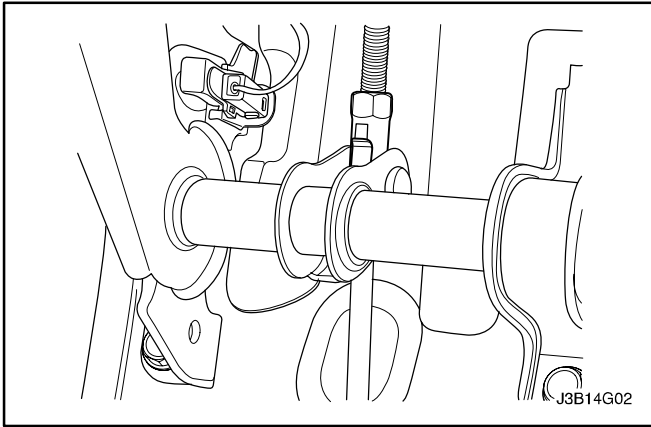
ON-VEHICLE SERVICE



PARKING BRAKE ADJUSTMENT REAR DRUM BRAKES

Adjustment Procedure

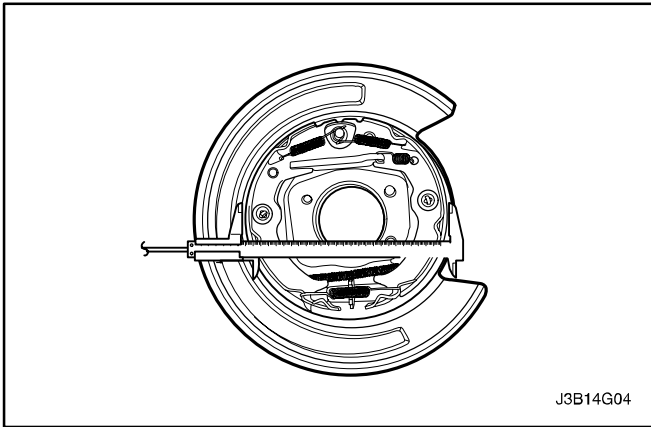
1. Adjust the rear brakes. Refer to *Section 4E1, Rear Disc Brakes*.
2. Release the parking brake.
3. Raise and suitably support the vehicle.
4. Check the parking brake cables for free movement.
5. Lower the vehicle
6. Remove the parking brake/gearshift console hood. Refer to *Section 9G, Interior Trim*.
7. Partially raise the vehicle.
8. Turn the self-locking nut on the parking brake lever assembly until the wheels are difficult to turn.
9. Back off the nut until the rear wheels are just free to turn.
10. Lower the vehicle
11. Install the parking brake/gearshift console hood. Refer to *Section 9G, Interior Trim*.



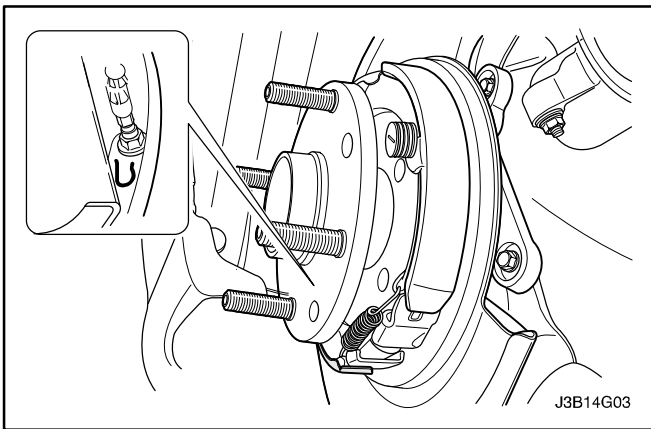
PARKING BRAKE ADJUSTMENT REAR DISC BRAKES

Adjustment Procedure

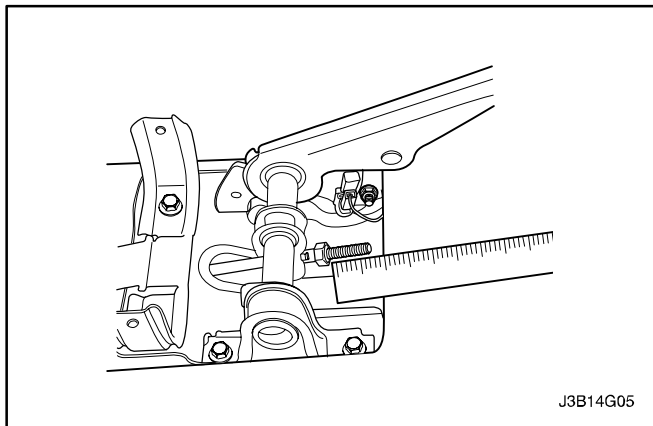
1. Release the parking brake.
2. Raise and suitably support the vehicle.
3. Remove the rear wheels. Refer to *Section 2E, Tires and Wheels*.
4. Remove the caliper and rotor assemblies. Refer to *Section 4E1, Rear Disc Brakes*.
5. Remove the brake rotors on each side of the vehicle. Refer to *Section 4E1, Rear Disc Brakes*.
6. Disconnect the parking brake cable from the back-plate operating lever on each side of the vehicle.



7. Inspect and replace any parts of doubtful strength or quality. This can be shown by discoloration from heat or stress.
8. 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. Measure the shoe assembly diameter as closely as possible to the center of the lining material.



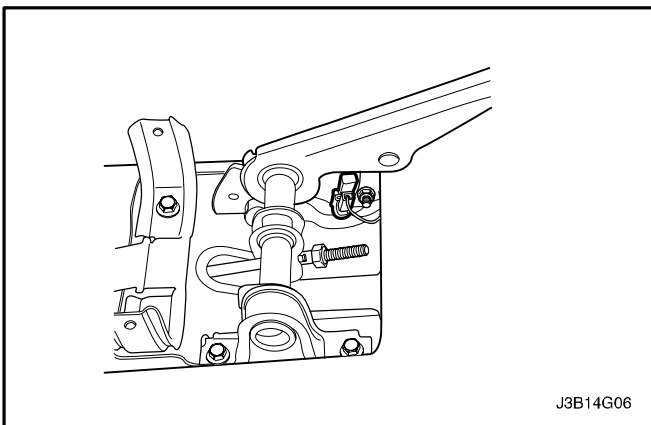
9. Inspect and install the rotors and calipers. Refer to *Section 4E1, Rear Disc Brakes*.
10. Install the parking brake cable to the backplate lever on each side of the vehicle.
11. In the vehicle cabin, pull on the parking brake handle. Stop after hearing two clicks.
12. Turn the rear wheel by hand until the wheel begins to drag.
13. Release the parking brake.
14. Turn the rear wheel by hand to check the drag. Re-adjust the cable, if necessary.
15. Repeat the process for the other rear wheel.
16. Lower the vehicle.



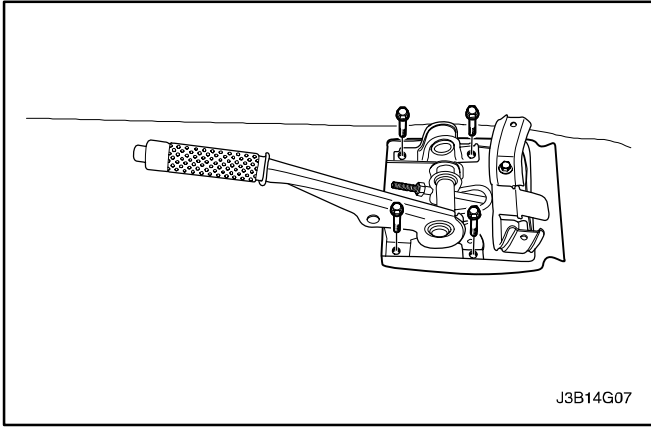
PARKING BRAKE LEVER

Removal Procedure

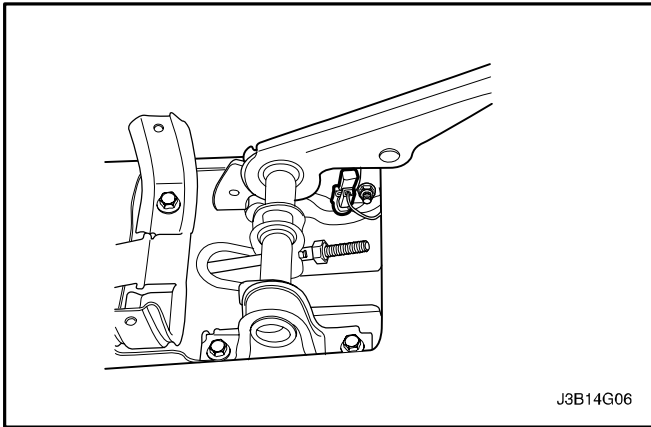
1. Release the parking brake.
2. Remove the parking brake/gearshift console hood. Refer to *Section 9G, Interior Trim*.
3. Measure the thread length from the end of the pull rod to the hex nut.
4. Remove the hex nut.



5. Remove the parking brake warning lamp switch.
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 switch ON.



- Remove the parking brake lever assembly-to-vehicle underbody bolts.



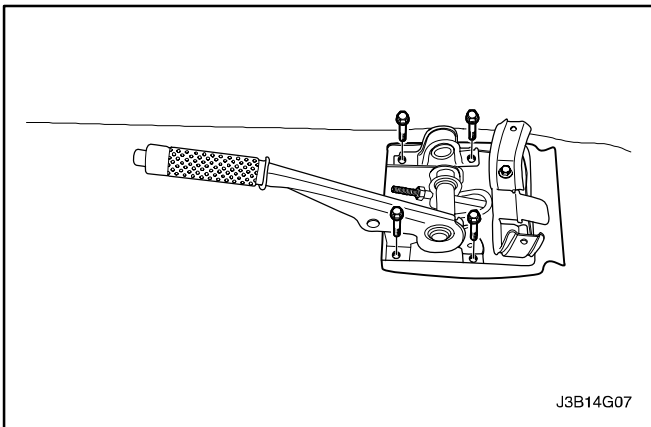
Installation Procedure

Notice : If the parking brake lever is bent or damaged, replace the complete parking brake lever assembly, which includes a new parking brake switch.

- Fasten the parking brake switch to the parking brake lever assembly with the screw.

Tighten

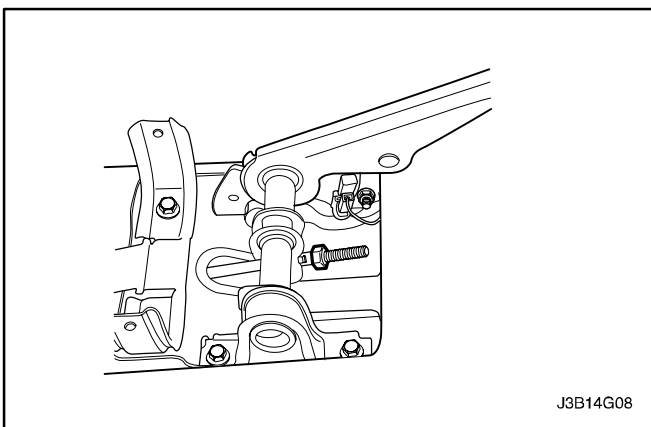
Tighten the parking brake switch-to-parking brake lever screw to 4 N•m (35 lb-in).



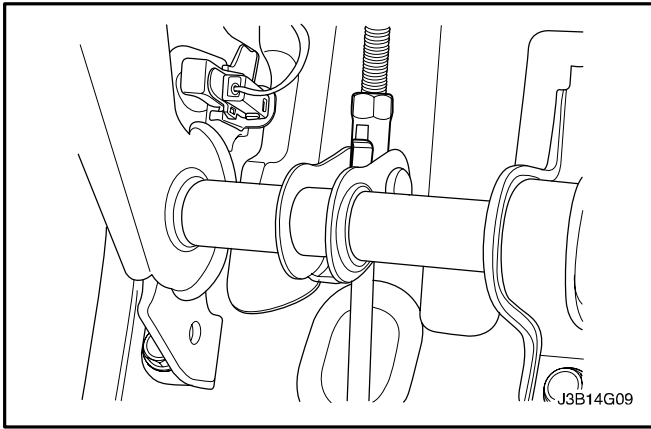
- Install the parking brake lever bolts, and fasten the parking brake lever assembly to the vehicle underbody.

Tighten

Tighten the parking brake lever assembly-to-vehicle underbody bolts to 22 N•m (16 lb-ft).



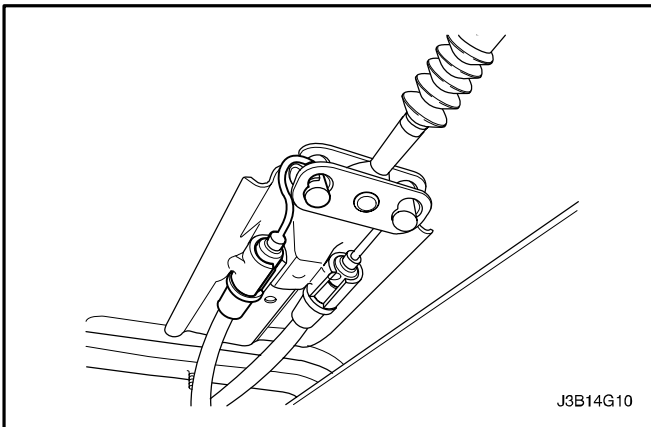
- Install the hex nut on the end of pull rod.
- Check the parking brake adjustment referring to the original removal adjustment nut measurement taken in the removal procedure. Refer to "Parking Brake Adjustment – Rear Drum Brakes" or "Parking Brake Adjustment – Rear Disc Brakes" in this section.
- Install the parking brake/gearshift console hood. Refer to *Section 9G, Interior Trim*.



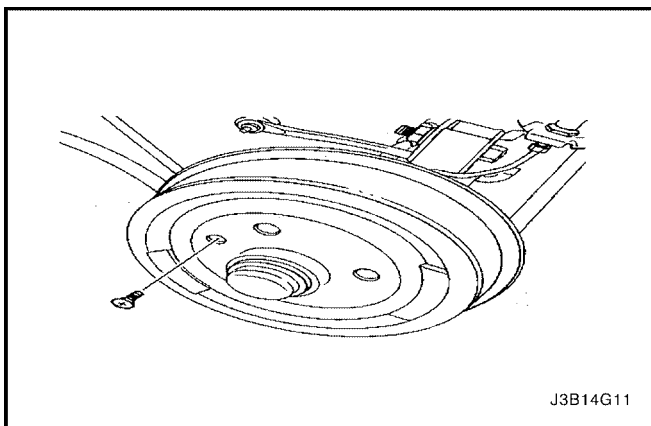
PARKING BRAKE CABLE

Removal Procedure

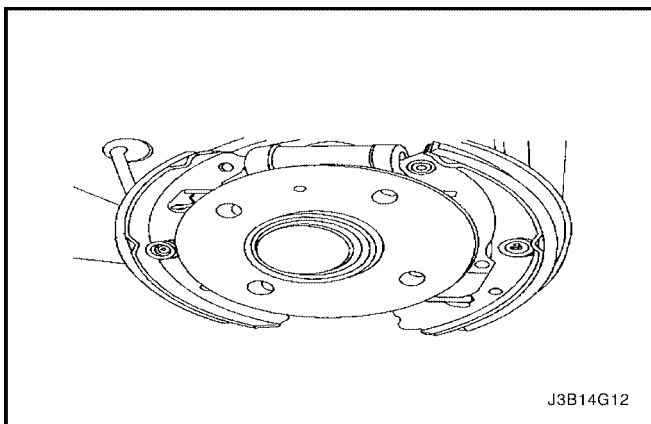
1. Remove the parking brake/gearshift console hood. Refer to *Section 9G, Interior Trim*.
2. Release the parking brake lever and the hex nut on the end of pull rod.



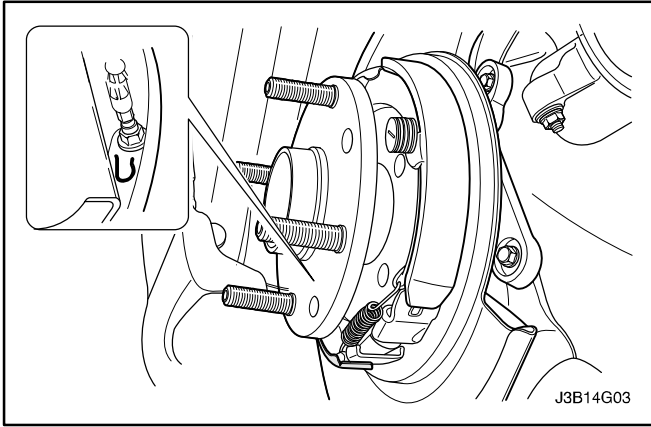
3. Remove the parking brake cable ends from the equalizer.



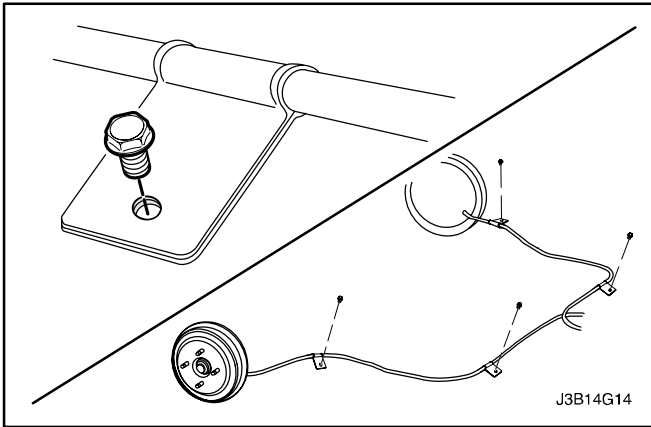
4. Raise and suitably support the vehicle.
5. Remove the rear wheels. Refer to *Section 2E, Tires and Wheels*.
6. For vehicles with rear drum brakes, remove the detent screw of the rear brake drum and remove the brake drum.



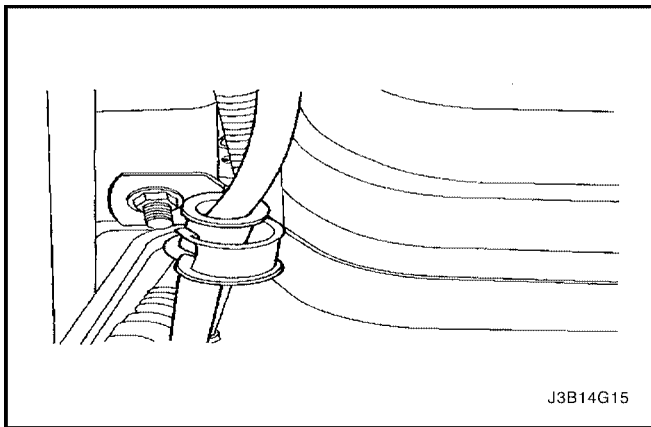
7. Remove the retaining ring for the parking brake cable.
8. Remove the plastic sleeve.
9. Remove the parking brake cable from the brake trailing shoe lever and from the backing plate.



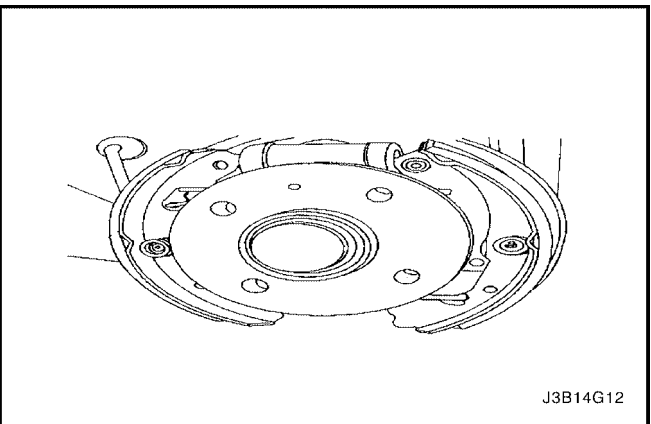
10. For vehicles with rear disc brakes, remove the rear hub assembly.
11. Remove the retaining pin.
12. Remove the parking brake cable from the trailing shoe.



13. Remove the bolts securing the parking brake cable to the underbody clip on both the driver and passenger sides of the vehicle.

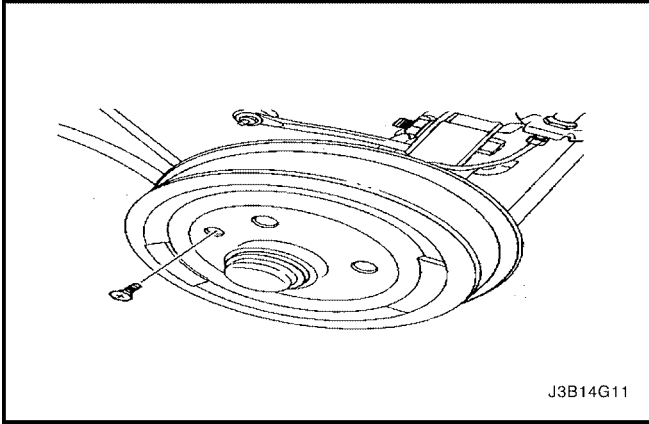


14. Remove the parking brake cable from the clip near the fuel tank strap.
15. Remove the parking brake cables from the vehicle.



Installation Procedure

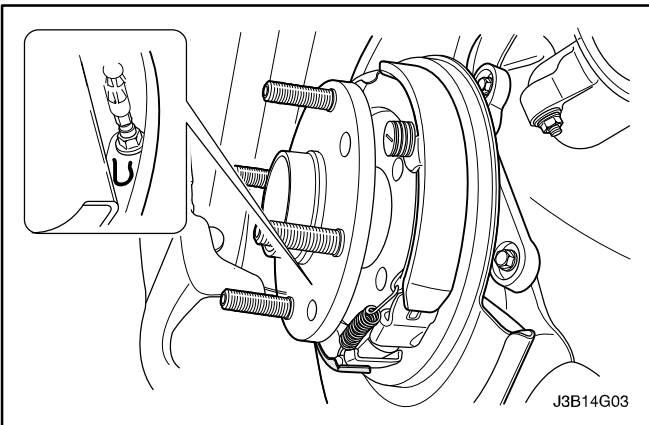
1. Install the new parking brake cable (if necessary) through the rear drum brake backing plate and attach to the brake trailing shoe lever.
2. Insert the plastic sleeve in the rear drum backing plate and press in the retaining ring. Ensure the parking brake cable is routed correctly.



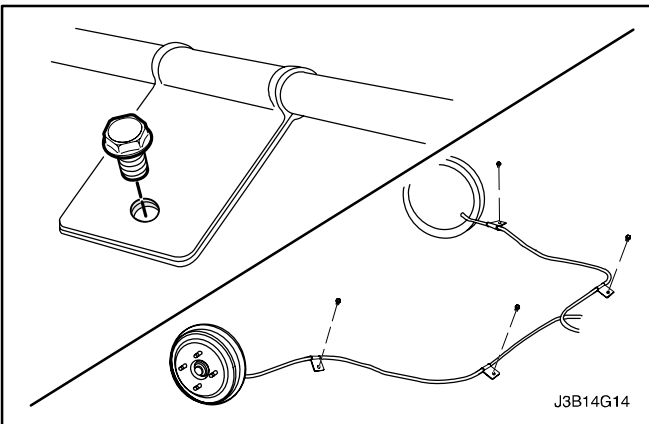
3. Install the rear brake drums by fastening the detent screw.

Tighten

Tighten the rear brake drum detent screw to 4 N•m (35 lb-in).



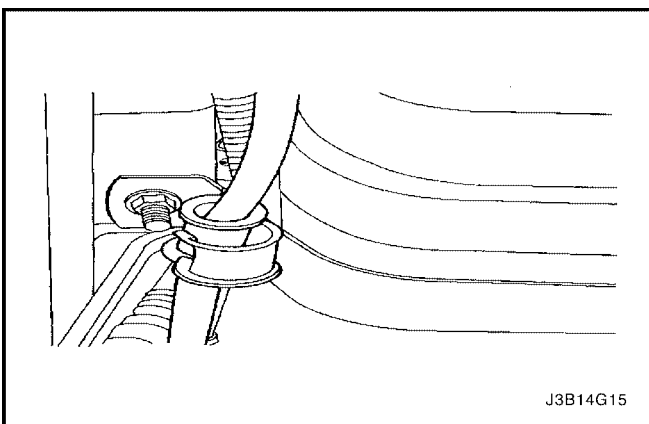
4. Install the parking brake cable to the trailing shoe.
5. Install the retaining pin.
6. For vehicles with rear disc brakes, install the rear hub assembly.



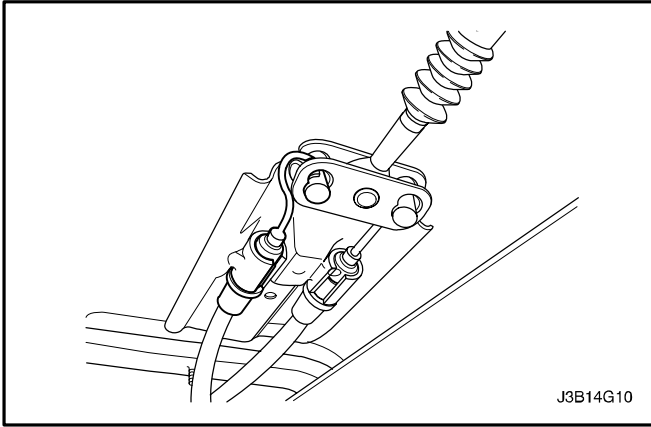
7. Install the bolts securing the parking brake cable to a bracket on both the driver and passenger sides of the vehicle.

Tighten

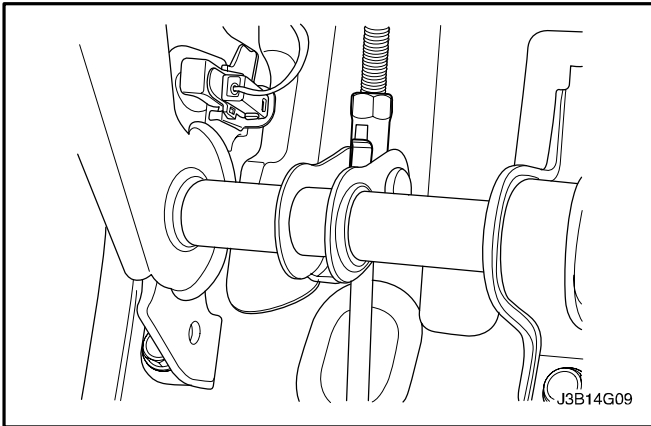
Tighten the parking brake cable-to-underbody side bracket bolts to 6 N•m (53 lb-in).



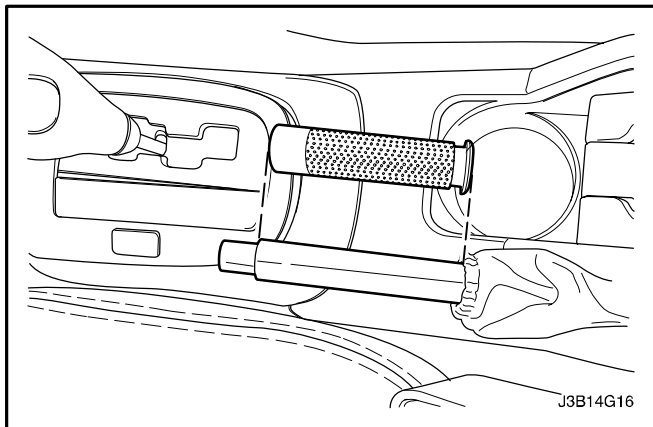
8. Install the parking brake cable to the clip near the fuel tank strap.



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



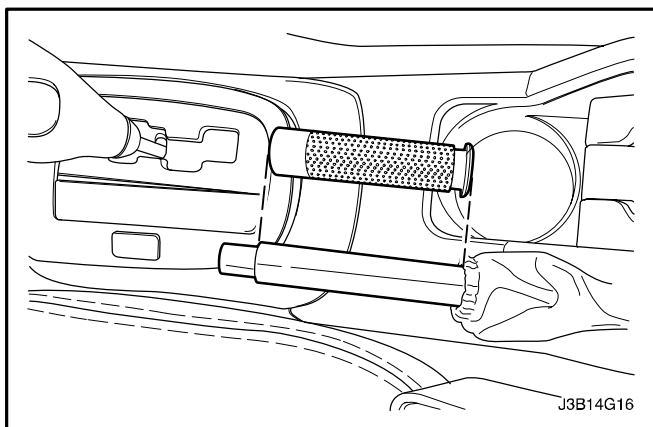
10. Adjust the hex nut on the end of pull rod. Refer to "Parking Brake Adjustment" in this section.
11. Install the parking brake/gearshift console hood. Refer to Section 9G, Interior Trim.



PARKING BRAKE HANDLE

Removal Procedure

1. Remove the parking brake/gearshift console hood, detaching the parking brake lever boot. 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 with the parking brake lever boot. 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. When the ignition switch is in the START position, the BRAKE warning light should

glow and go OFF when the the ignition switch returns to the RUN position. Whenever the parking brake is applied and the ignition switch is ON, the BRAKE warning light should glow.

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.