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## SECTION 4G

# PARKING BRAKE

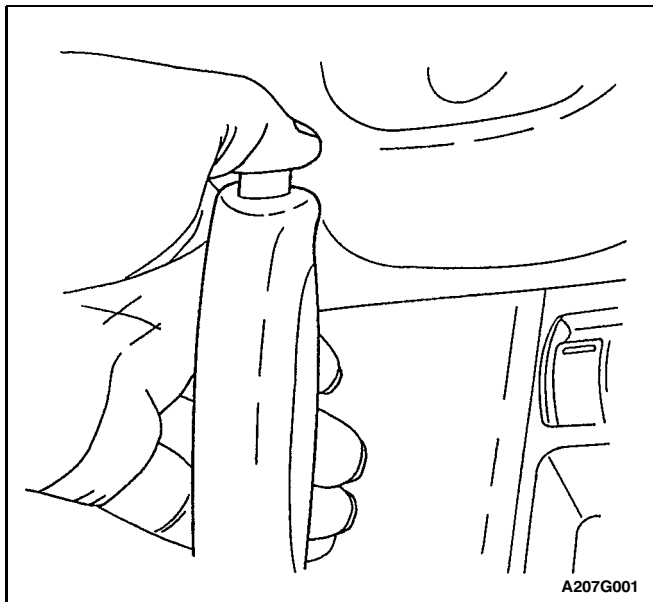
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### SPECIFICATIONS

#### FASTENER TIGHTENING SPECIFICATIONS

Application	N•m	Lb-Ft	Lb-In
Front Muffler Heat Shield Nuts	2.5	-	22
Parking Brake Cable-to-Fuel Tank Bracket Nut	12	-	106
Parking Brake Cable-to-Rear Axle Bracket Nut	12	-	106
Parking Brake Cable-to-Underbody Side and Near Side Bracket Nuts	12	-	106
Parking Brake Console Hood-to-Tunnel Bracket Screws	2.5	-	22
Parking Brake Lever-to-Vehicle Underbody Bolts	20	15	-
Parking Brake Switch-to-Parking Brake Lever Screw	4	-	35
Rear Brake Drum Castle Nut (Non-ABS)	25 - 180° +2	18 - 180° +1.5	-
Rear Brake Drum Detent Screw (ABS)	4	-	35



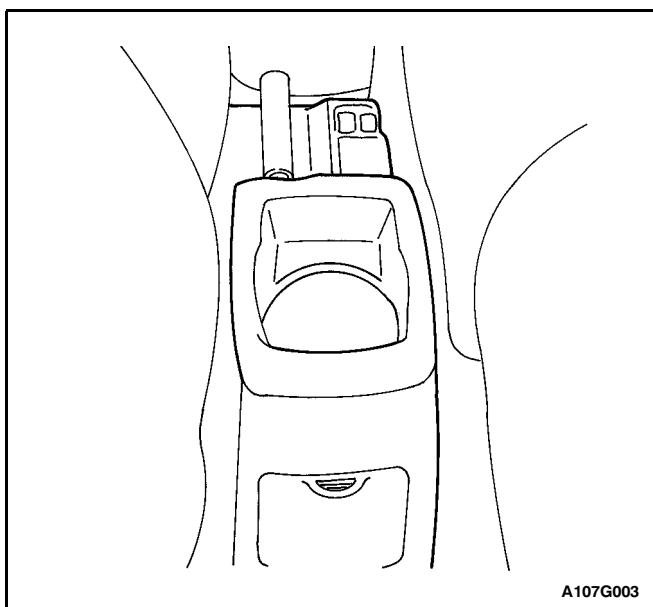
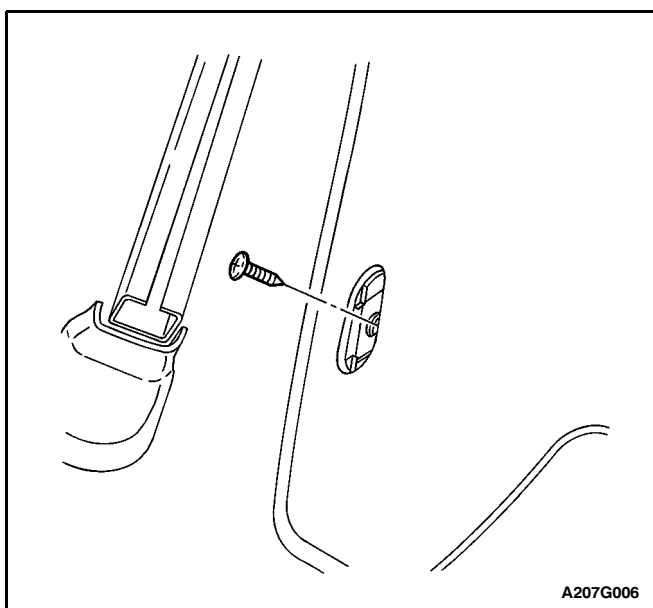
## **MAINTENANCE AND REPAIR**

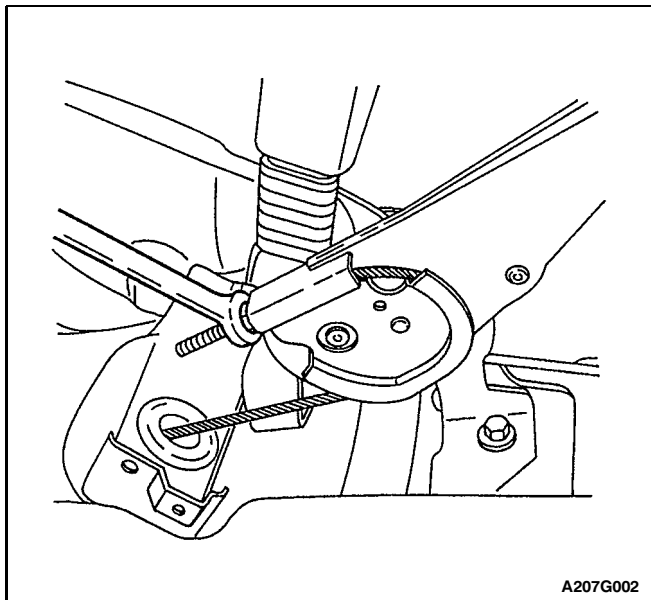
### **ON-VEHICLE SERVICE**

#### **PARKING BRAKE ADJUSTMENT**

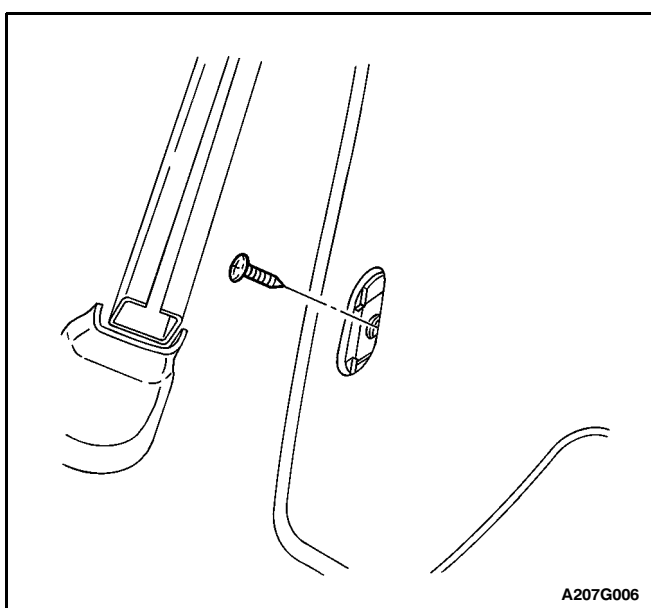
##### **Adjustment Procedure**

1. Adjust the rear brakes. Refer to Section 4E, Rear Drum 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. Move the front seats forward.
7. Pry off the plastic caps that cover the access holes to the parking brake console hood-to-tunnel bracket screws.
8. Unfasten the screws that secure the parking brake console hood to the tunnel brackets.
9. Raise the console hood to expose the parking brake lever assembly and the adjustment nut.





10. Partially raise and suitably support the vehicle.
11. Turn the adjustment nut on the lever assembly until the wheels are difficult to turn.
12. Loosen the nut until the rear wheels are just free to turn.

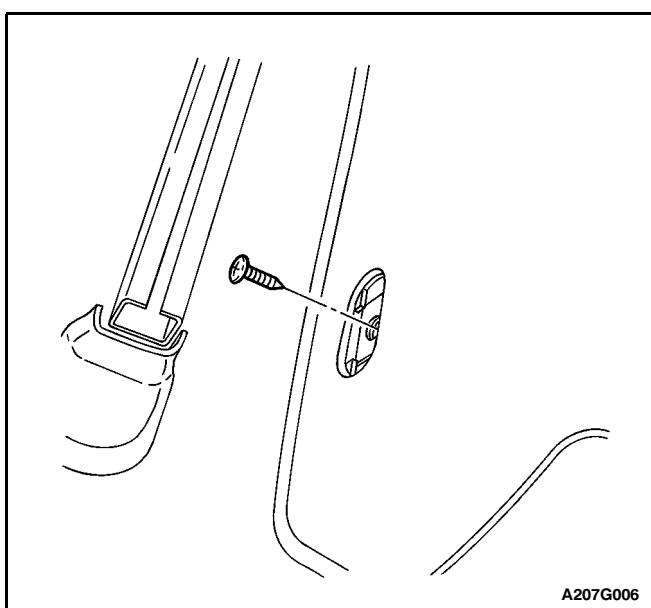


13. Lower the vehicle.
14. Position the parking brake console hood and fasten it to the tunnel brackets with the screws.

### Tighten

Tighten the parking brake console hood-to-tunnel bracket screws to 2.5 N•m (22 lb-in).

15. Snap in the plastic caps that cover the access holes to the parking brake console hood-to-tunnel bracket screws.
16. Adjust the front seats to their previous position.

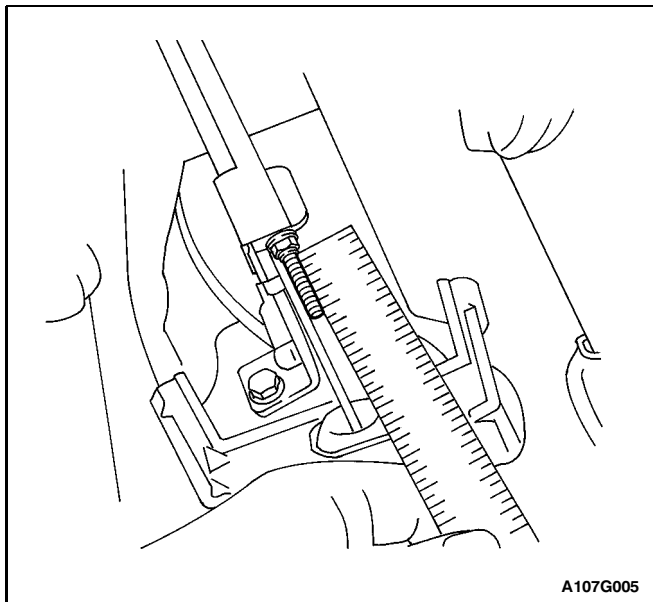


## PARKING BRAKE LEVER

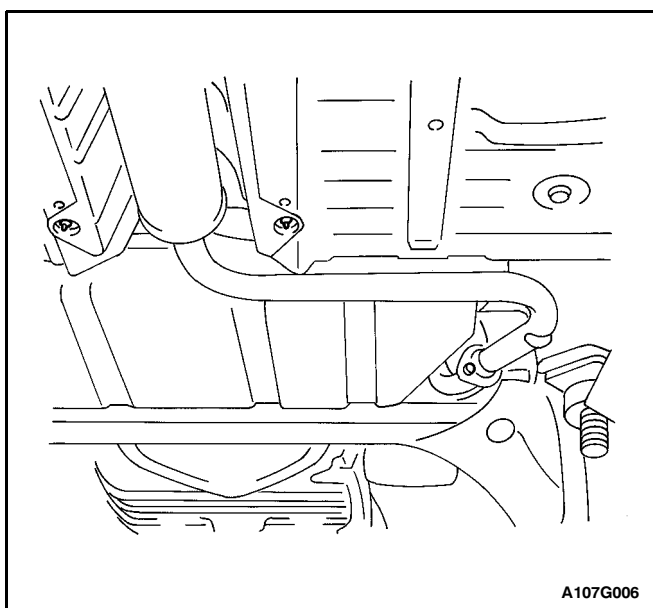
### Removal Procedure

1. Release the parking brake.
2. Move the front seats forward.
3. Pry off the plastic caps that cover the access holes to the parking brake console hood-to-tunnel bracket screws.
4. Remove the screws that secure the parking brake console hood-to-the-tunnel brackets. Raise the console hood.

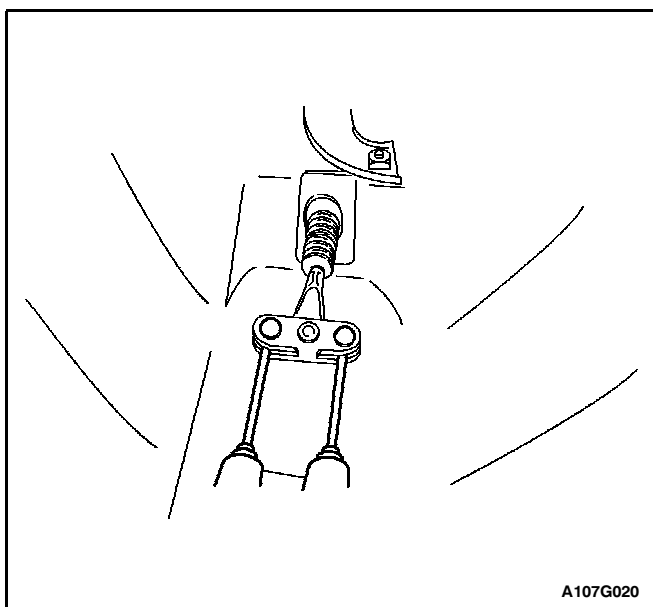
## 4G - 4 PARKING BRAKE



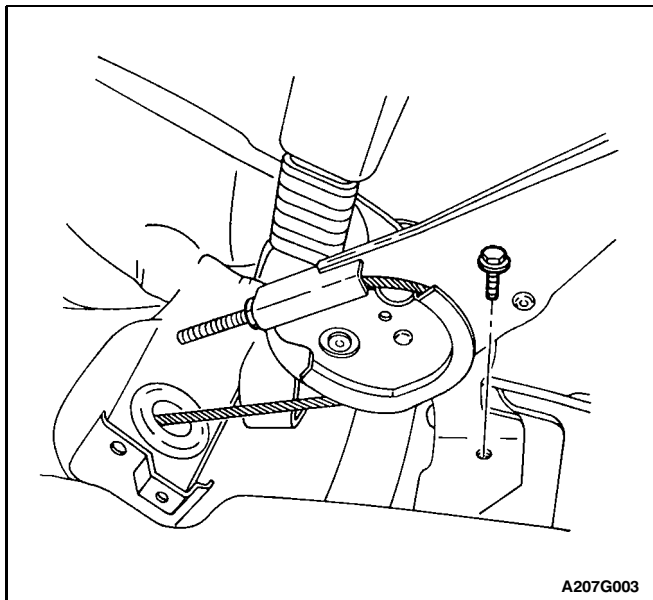
5. Measure the thread length from the end of the push-rod to the adjustment nut. Loosen the adjustment nut.



6. Raise and suitably support the vehicle.
7. Disconnect the front muffler assembly from the flange of the rear muffler assembly and from the flange of the catalytic converter. Refer to Section 1G, Engine Exhaust.
8. Remove the heat shield nuts. Remove the heat shield.



9. Twist the brake cables from the equalizer. Remove the equalizer.
10. Dislodge the rubber grommet from the underbody.



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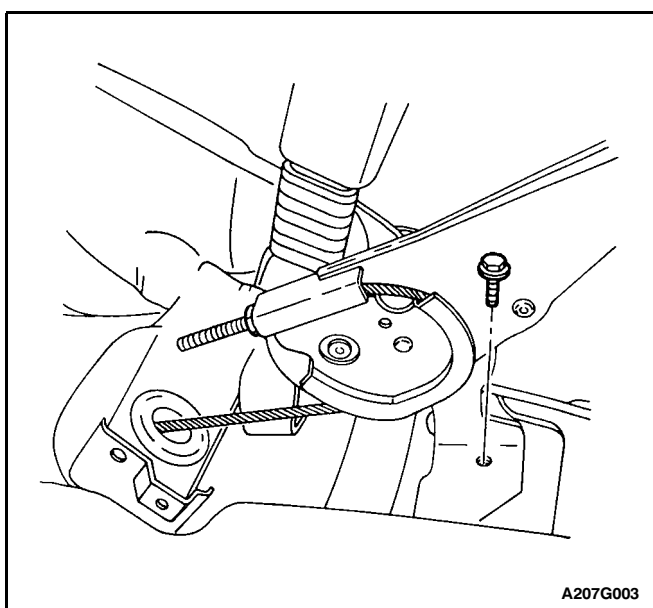
11. Lower the vehicle.

12. Remove the complete parking brake lever assembly and the cable from the assembly by unfastening the parking brake lever-to-vehicle underbody bolts and removing the adjustment nut which was previously loosened on the pushrod.

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

13. If necessary, remove the parking brake switch, which is attached to the parking brake lever assembly by a small screw.

14. Inspect the parking brake lever cable and the lever grip for damage, and replace if necessary.



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### Installation Procedure

**Notice:** If the parking brake lever is bent or damaged or if a new grip is required, replace the complete parking brake lever assembly, which includes a new parking brake switch and lever cable.

1. Fasten the parking brake switch to the parking brake lever with the screw.

#### Tighten

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

2. Fasten the parking brake lever assembly to the vehicle underbody. Insert the cable, and the pushrod.

3. Tighten the hex adjusting nut on the pushrod approximating the measurement noted in the removal procedure.

#### Tighten

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

4. Install the screws that secure the parking brake console hood to the tunnel brackets.

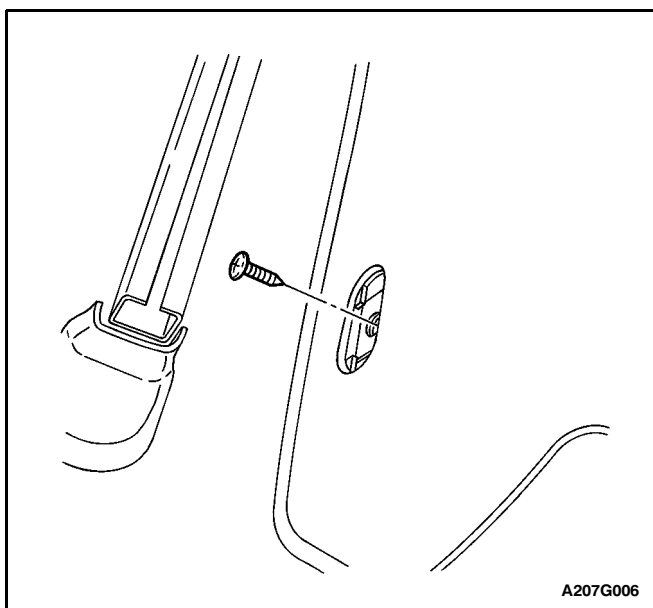
#### Tighten

Tighten the parking brake console hood-to-tunnel bracket screws to 2.5 N•m (22 lb-in).

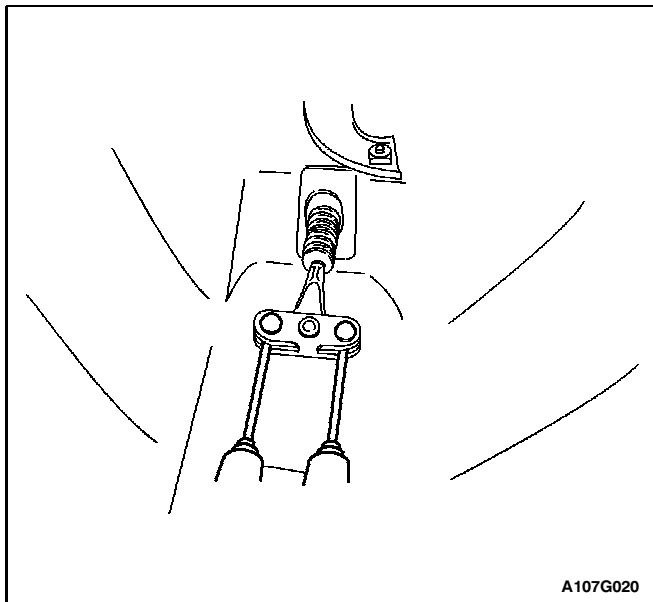
5. Install the plastic caps that cover the access holes to the parking brake console hood-to-tunnel bracket screws.

6. Raise the vehicle.

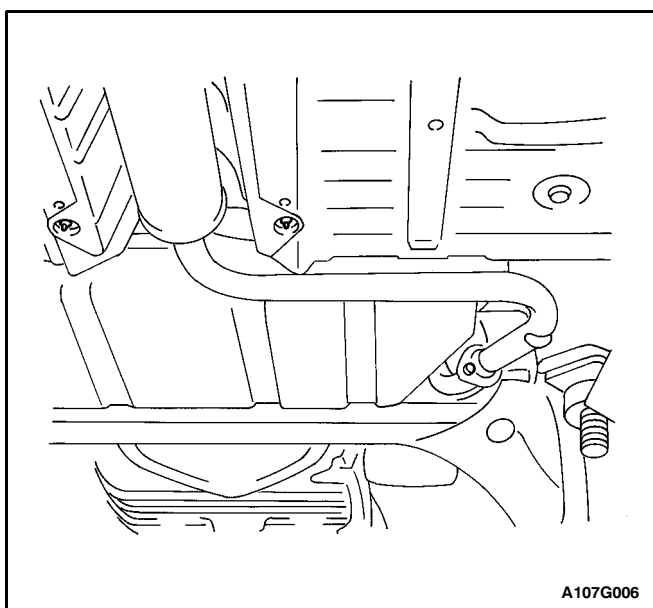
7. Insert the rubber grommet into the vehicle underbody and fasten the equalizer.



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8. Insert the parking brake cables into the equalizer.



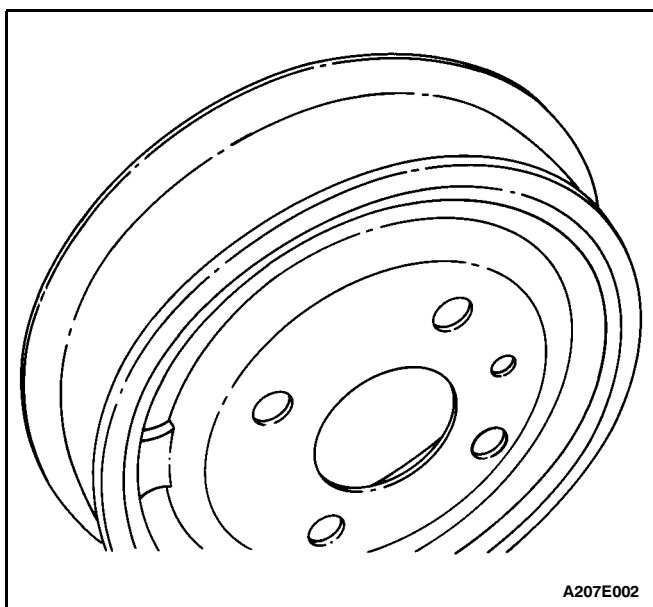
9. Install the front muffler heat shield to the underbody with the heat shield nuts.

### Tighten

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

10. Install the front muffler assembly. Refer to Section 1G, Engine Exhaust.

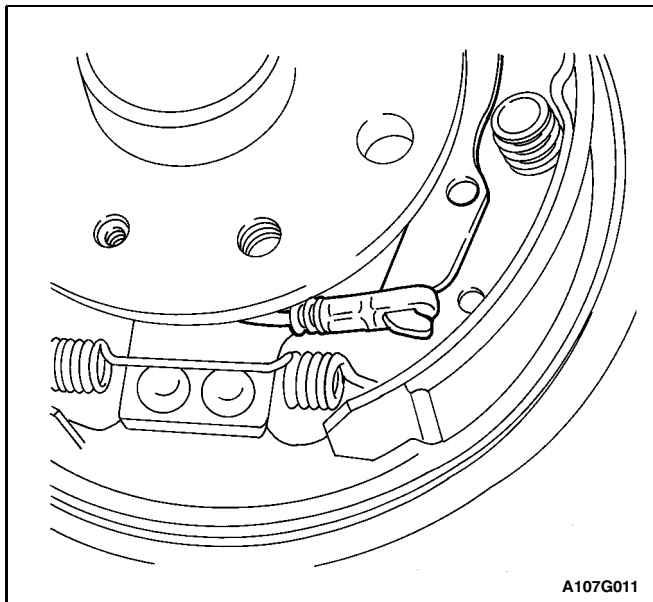
11. Check the parking brake adjustment. Refer to "Parking Brake Adjustment" in this section.



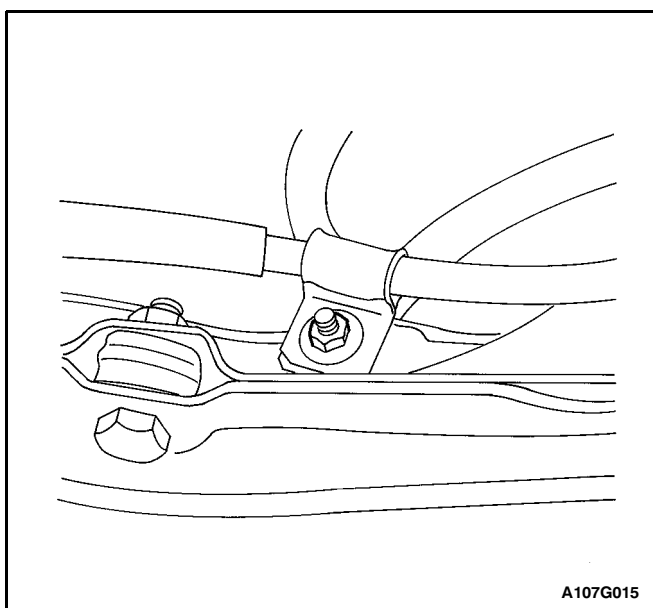
## PARKING BRAKE CABLE

### Removal Procedure

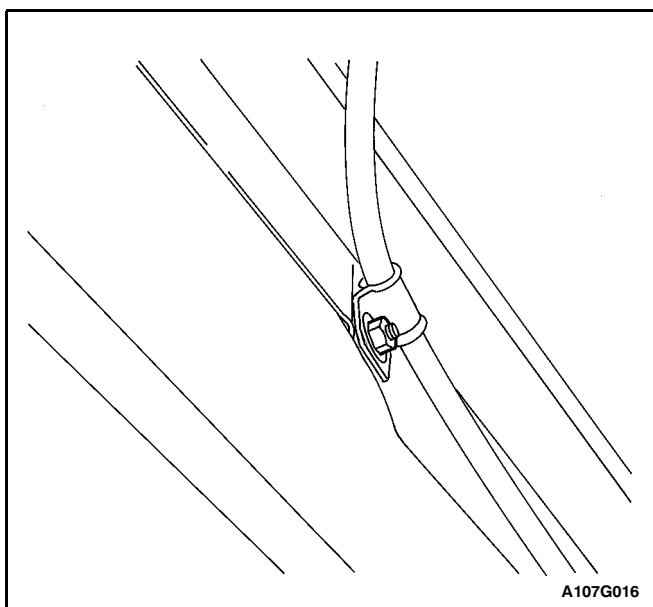
1. To remove the parking brake console hood, the front muffler, and the heat shield, refer to "Parking Brake Lever" in this section.
2. Remove the rear wheels. Refer to Section 2E, Tires and Wheels.
3. For the ABS braking system (shown), unfasten the detent screw to remove the rear brake drums. For the non-ABS system, remove the split pin and the castle nut to remove the brake drum.



4. Remove the retaining ring for the parking brake cable on each side of the vehicle.
5. Remove the plastic sleeve.
6. Remove the brake cable from the parking brake shoe lever and from the brake backing plate.

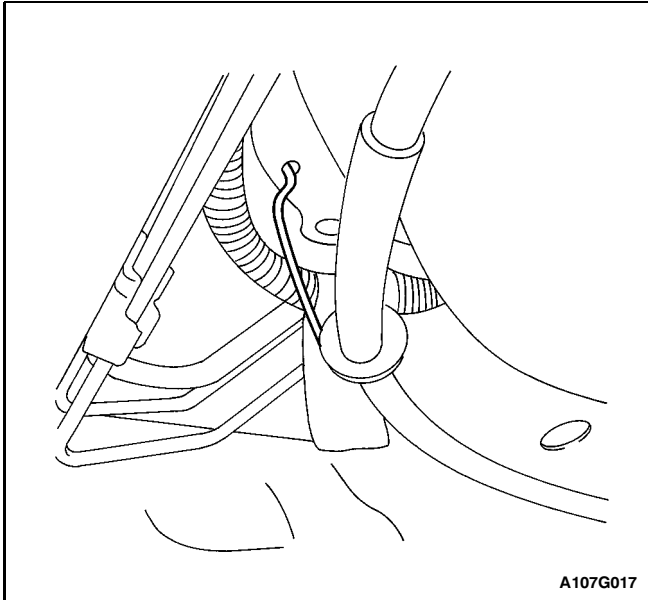


7. Remove the nut that fastens the brake cable to a holding bracket on the rear axle. Remove the cable from the bracket on each side of the vehicle.

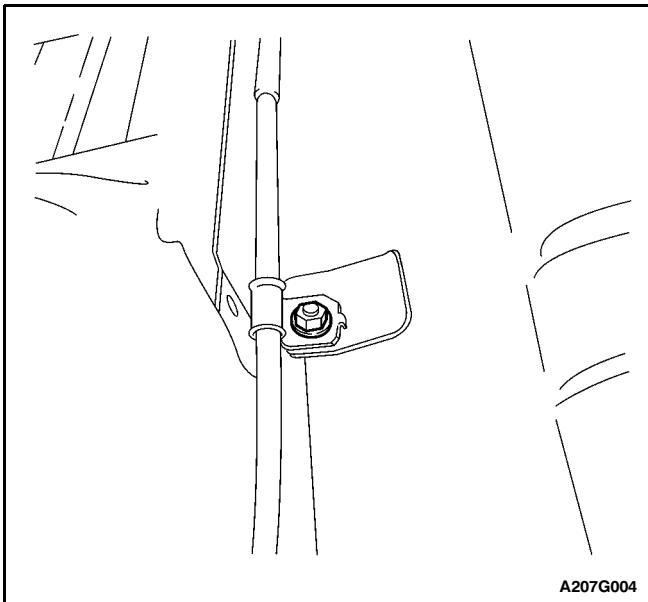


8. Remove the nut that fastens the brake cable to the underbody side bracket on each side of the vehicle. Remove the cable.
9. Remove the nut that fastens the brake cable to a holding bracket near the underbody side bracket (driver side only).

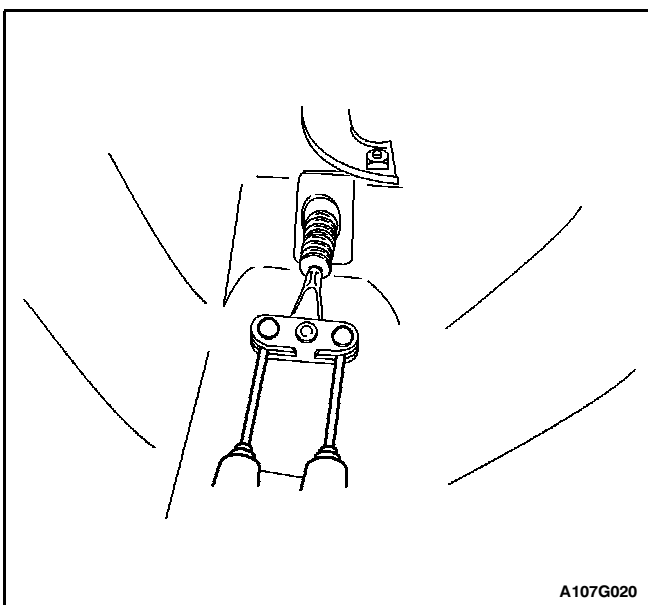
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10. Remove the brake cable from the wire hanger (passenger side only). Remove the cable.
11. Grasp and pull the brake cable from the open-ended holding bracket near the wire hanger.

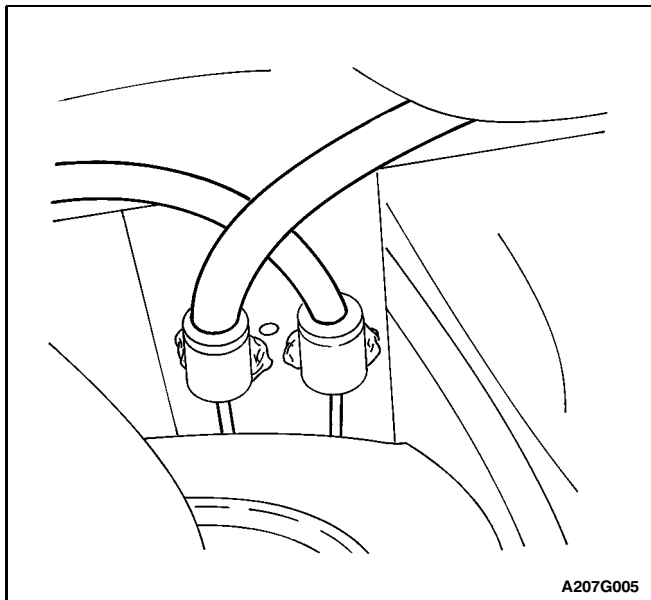


12. Remove the nut that fastens the brake cable to the fuel tank bracket near the edge of the fuel tank. Remove the cable.

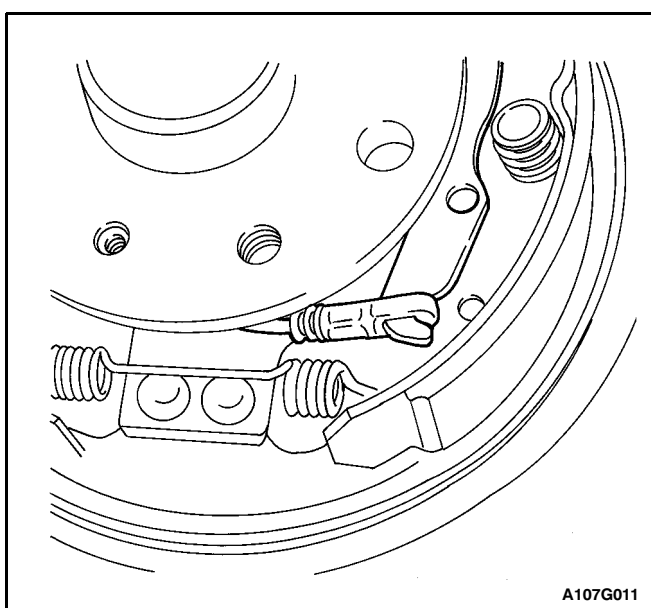


13. Twist the brake cables from the equalizer.
14. Remove the equalizer.



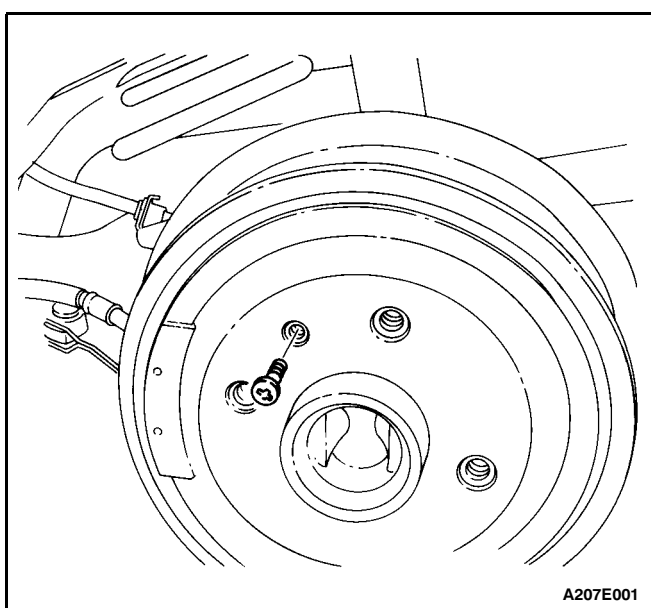


15. Remove the parking brake cables from the welded body bracket.



### Installation Procedure

1. Install the new parking brake cable through the brake backing plate. Use a new cable if the original is frayed or damaged. Attach the cable to the parking brake shoe lever.

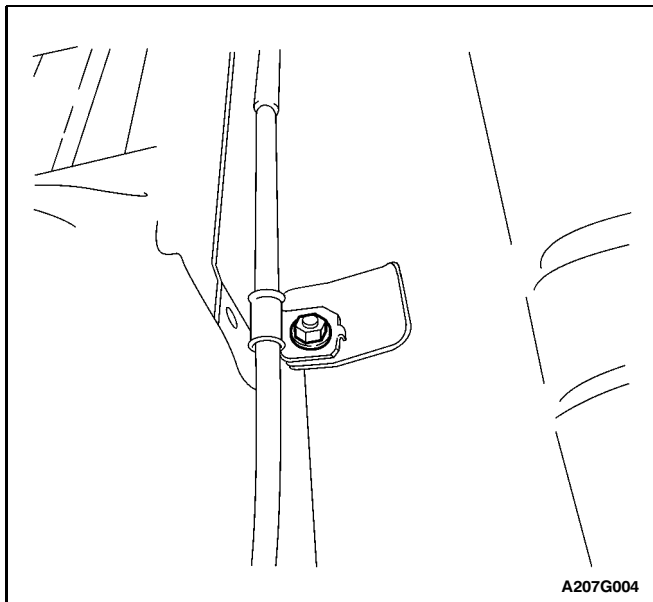


2. Insert the plastic sleeve into the brake backing plate and press in the retaining ring. Make sure the parking brake cable is routed correctly.
3. For the ABS braking system (shown), install the brake drums and the detent screw. For the non-ABS braking system, remove the brake drums by unfastening the split pin and the castle nut.

### Tighten

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

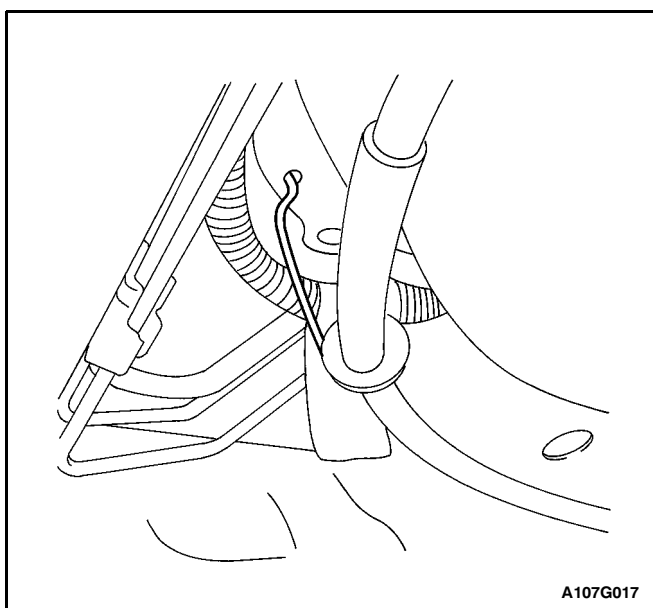
Tighten the rear brake drum castle nut (non-ABS) to 25 N•m (18 lb-ft) minus 180 degrees plus 2 N•m (18 lb-in).



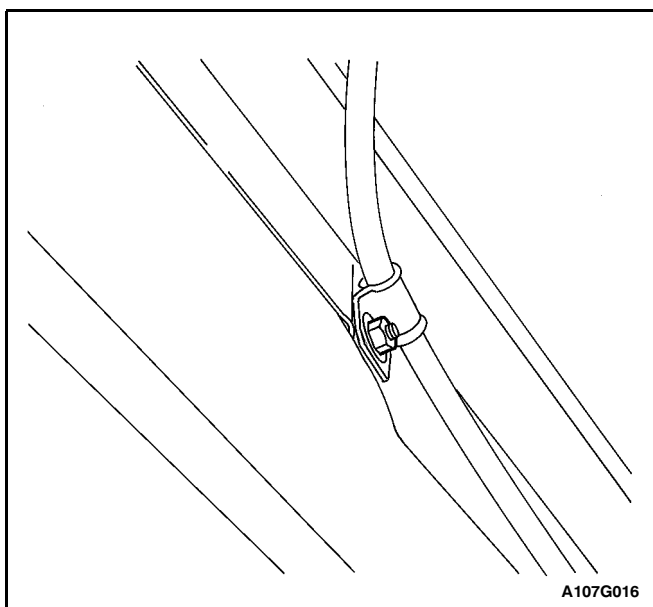
4. Install the rear wheels. Refer to Section 2E, Tires and Wheels.
5. Install the parking brake cable to the fuel tank bracket.

### Tighten

Tighten the parking brake cable-to-fuel tank bracket nut to 12 N•m (106 lb-in).



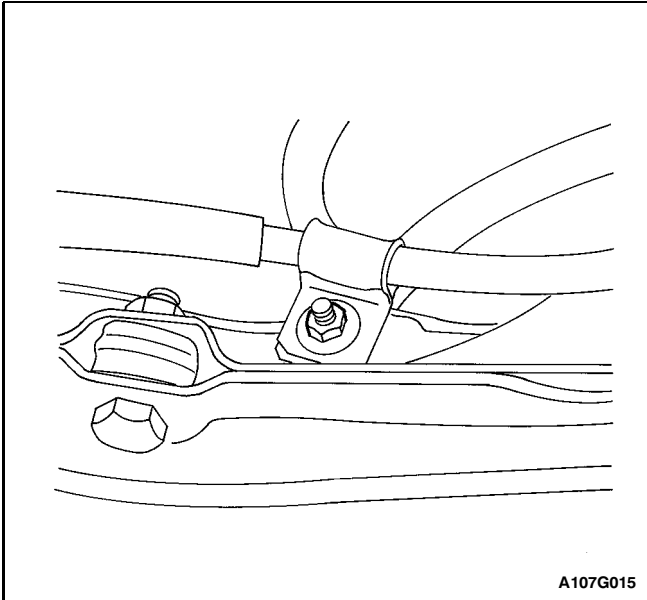
6. Install the parking brake cable on the wire hanger (passenger side only).
7. Insert the brake cable into the open-ended holding bracket near the wire hanger.



8. Install the parking brake cable to the underbody side brackets on each side of the vehicle, and a bracket near the underbody side bracket (passenger side only).

### Tighten

Tighten the parking brake cable-to-underbody side and near side bracket nuts to 12 N•m (106 lb-in).



9. Install the parking brake cable on the rear axle brackets on each side of the vehicle.

### **Tighten**

Tighten the parking brake cable-to-rear axle bracket nut to 12 N•m (106 lb-in).

10. Insert the parking brake cables through the welded body bracket.
11. To install the equalizer, the front muffler, and the heat shield, refer to "Parking Brake Lever" in this section.
12. If the parking brake shoe lever was pressed backward before removing the brake drum, press it forward and adjust the parking brake. Refer to "Parking Brake Lever" in this section.

## **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 ignition switch re-

turns 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 securely 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.