

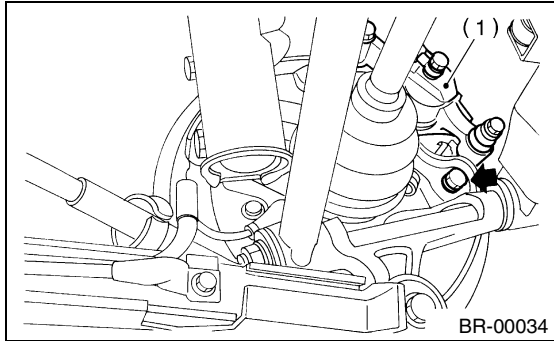
# PARKING BRAKE ASSEMBLY (REAR DISC BRAKE)

## PARKING BRAKE

### 4. Parking Brake Assembly (Rear Disc Brake)

#### A: REMOVAL

- 1) Set the vehicle on a lift.
- 2) Disconnect the ground terminal from battery.
- 3) Loosen the wheel nuts.
- 4) Jack-up the vehicle, and remove wheel.
- 5) Remove the two mounting bolts and remove the disc brake assembly.



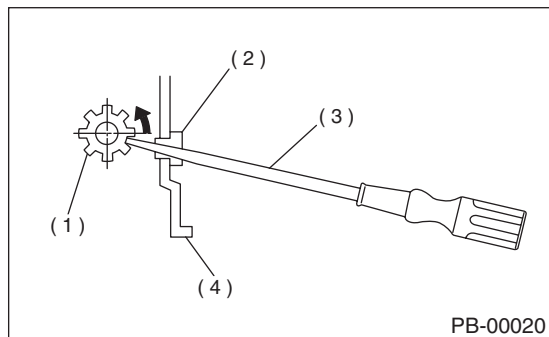
(1) Disc brake ASSY

- 6) Suspend the disc brake assembly so that the hose is not stretched.
- 7) Pull down and release the parking brake.
- 8) Remove the disc rotor.

#### NOTE:

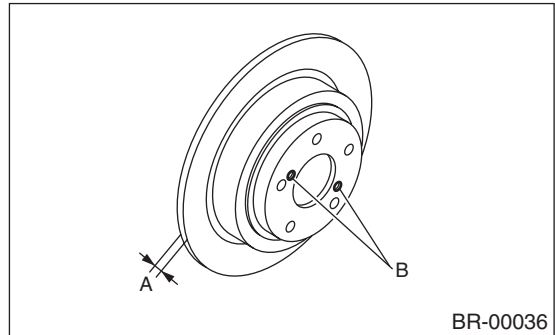
If the disc rotor is difficult to remove try the following two methods in order.

- (1) Turn the adjusting screw using a slot-type screwdriver until the brake shoe gets away enough from the disc rotor.

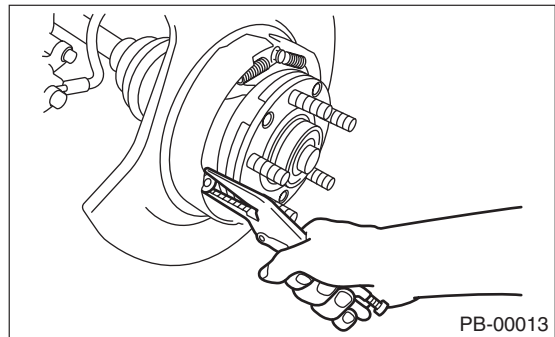


- (1) Adjusting screw
- (2) Cover (rubber)
- (3) Slot-type screwdriver
- (4) Back plate

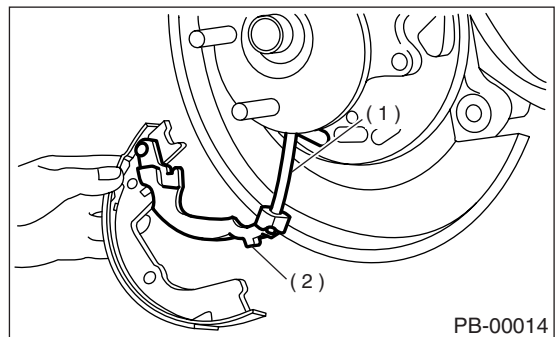
- (2) If the disc rotor seizes up within the hub, drive the disc rotor out by installing an 8-mm bolt in holes B on the rotor.



- 9) Remove the primary and secondary return spring from parking brake assembly.
- 10) Remove the front shoe hold down spring and pin with pliers.



- 11) Remove the strut and strut spring.
- 12) Remove the rear shoe hold-down spring and pin with pliers.
- 13) Remove the adjuster assembly and adjusting spring from parking brake assembly.
- 14) Remove the parking cable from parking lever.
- 15) Remove the brake shoe.



- (1) Parking brake cable
- (2) Parking brake lever

- 16) Using a standard screwdriver, raise the retain-er. Remove the parking lever and washer from brake shoe.

## B: INSTALLATION

### CAUTION:

Be sure the lining surface is free from oil contamination.

### Brake grease:

**Dow Corning Molykote No. 7439 (Part No. 725191460)**

1) Apply brake grease to the following places.

- Six contact surfaces of shoe rim and back plate packing
- Contact surface of shoe wave and anchor pin
- Contact surface of lever and strut
- Contact surface of shoe wave and adjuster assembly
- Contact surface of shoe wave and strut
- Contact surface of lever and shoe wave

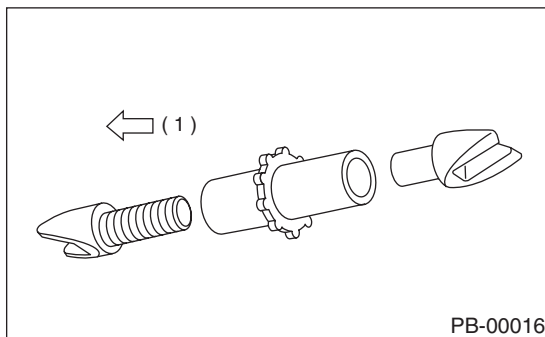
2) Install in the reverse order of removal.

### CAUTION:

- **Use new retainers and clinch them when installing the brake shoes to levers.**
- **Ensure that the parking lever moves smoothly.**
- **Do not confuse the left parking lever with right one.**
- **Do not confuse the left strut with right one.**

### NOTE:

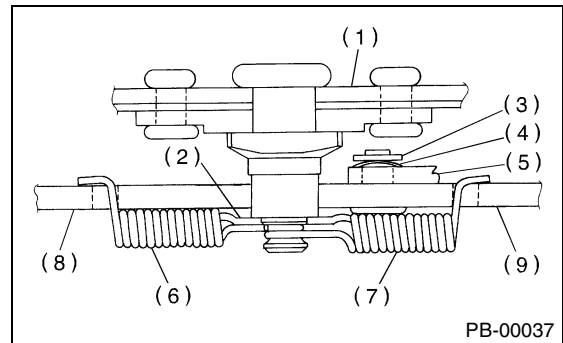
Ensure that the adjuster assembly is securely installed with the screw in the left side, facing vehicle front.



(1) LEFT

### NOTE:

Ensure that the shoe return spring is installed as shown in Figure.



- (1) Back plate
- (2) Shoe guide plate
- (3) Retainer
- (4) Spring washer
- (5) Lever
- (6) Primary shoe return spring (Blue)
- (7) Secondary shoe return spring (Yellow)
- (8) Parking brake shoe (Primary)
- (9) Parking brake shoe (Secondary)

3) Adjust the parking brakes. <Ref. to PB-12, ADJUSTMENT, Parking Brake Assembly (Rear Disc Brake).>

### CAUTION:

**After replacing the parking brake lining, be sure to drive the vehicle for "break-in" purposes.**

- (1) Drive the vehicle at about 35 km/h (22 MPH).
- (2) With the parking brake release button pushed in, pull the parking brake lever gently.
- (3) Drive the vehicle for about 200 meter (0.12 mile) in this condition.
- (4) Wait 5 to 10 minutes for the parking brake to cool down. Repeat this procedure once more.
- (5) After breaking-in, re-adjust the parking brakes.

# PARKING BRAKE ASSEMBLY (REAR DISC BRAKE)

## PARKING BRAKE

### C: INSPECTION

1) Measure the brake disc inside diameter. If the disc is scored or worn, replace the brake disc.

#### **Disc inside diameter:**

##### **Standard**

**170 mm (6.69 in)**

##### **Service limit**

**171 mm (6.73 in)**

2) Measure the lining thickness. If it exceeds the limit, replace shoe assembly.

#### **Lining thickness:**

##### **Standard**

**3.2 mm (0.126 in)**

##### **Service limit**

**1.5 mm (0.059 in)**

#### **CAUTION:**

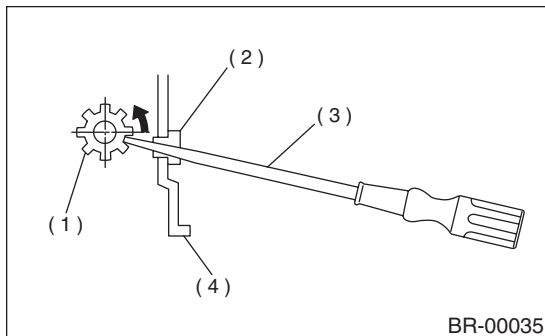
**Replace the brake shoes on the right and left brake assembly at the same time.**

### D: ADJUSTMENT

#### 1. SHOE CLEARANCE

1) Remove the adjusting hole cover from back plate.

2) Turn the adjusting screw using a slot-type screwdriver until the brake shoe is in close contact with disc rotor.



- (1) Adjusting screw
- (2) Cover (rubber)
- (3) Slot-type screwdriver
- (4) Back plate

3) Turn back (downward) the adjusting screw 3 or 4 notches.

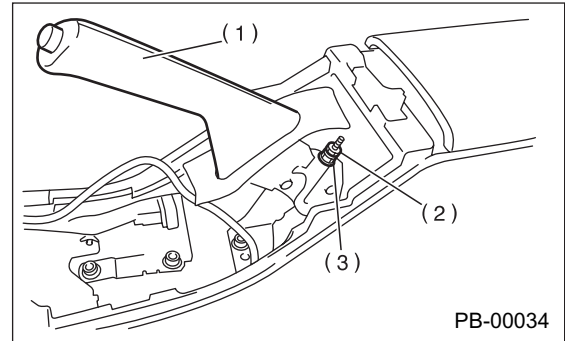
4) Install the adjusting hole cover to back plate.

#### 2. LEVER STROKE

1) Remove the console box lid.

2) Forcibly pull the parking brake lever 3 to 5 times.

3) Adjust the parking brake lever by turning adjuster until the parking brake lever stroke is set at 7 to 8 notches with operating force of 196 N (20 kgf, 44 lb).



- (1) Parking brake lever
- (2) Lock nut
- (3) Adjusting nut

4) Tighten the lock nut.

5) Install the console box lid.

#### **Lever stroke:**

**7 to 8 notches when pulled with a force of 196 N (20 kgf, 44 lb)**

#### **Tightening torque (Lock nut):**

**6 N·m (0.6 kgf-m, 4.4 ft-lb)**