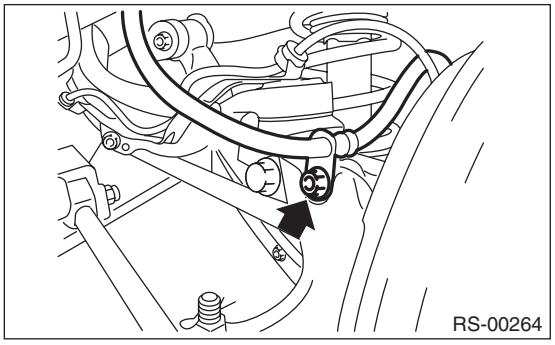
4. Parking Brake Assembly (Rear Disc Brake)

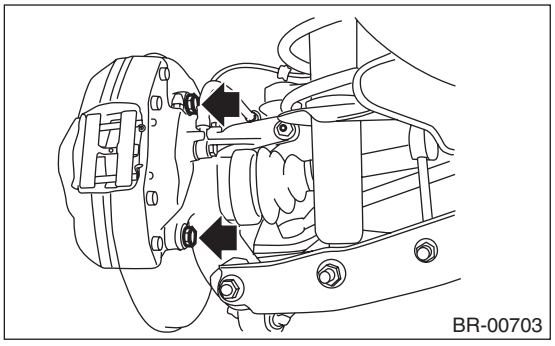
A: REMOVAL

1) Release the parking brake.
2) Lift up the vehicle, and then remove the rear wheels.
3) Remove the bolts and then remove the brake hose bracket.

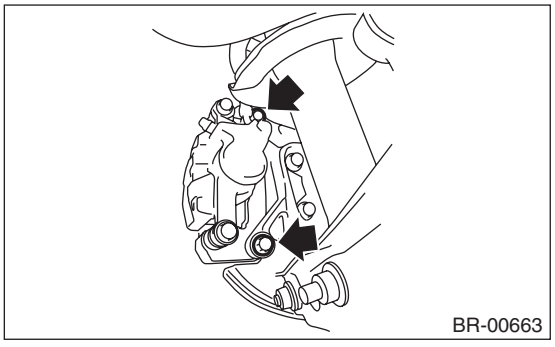


4) Remove the attachment bolts and remove the rear caliper body assembly.

- Brembo type



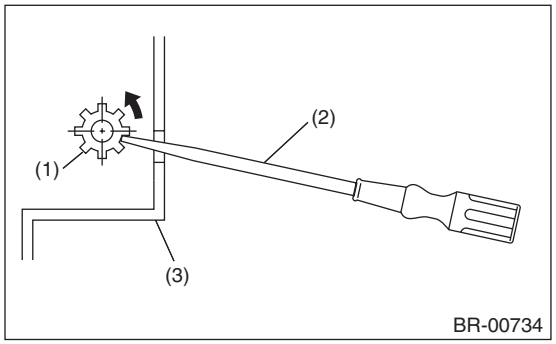
- Except for brembo type



5) Suspend the rear caliper body assembly so that the brake hose is not stretched.
6) Remove the rear disc rotor.

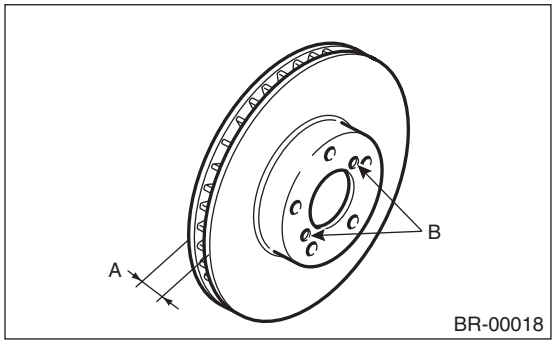
NOTE:
If the disc rotor is difficult to remove, try the following two methods in order.

(1) Turn the adjuster using a flat tip screwdriver until the brake shoe moves adequately away from the disc rotor.

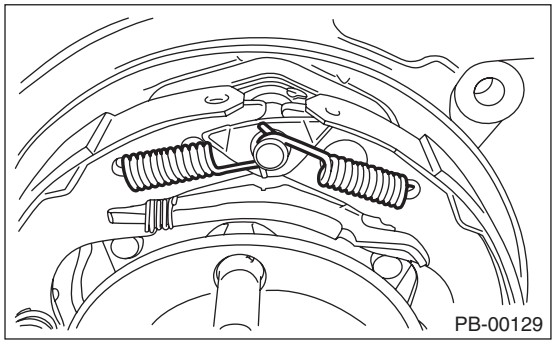


(1) Adjuster
(2) Flat tip screwdriver
(3) Disc rotor

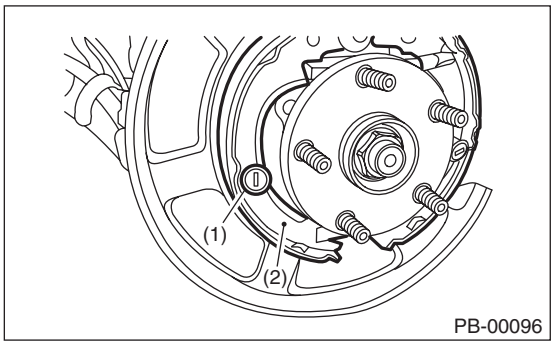
(2) If disc rotor is seized on the hub, drive the disc rotor out by pushing two 8 mm bolts in holes B on the rotor.



7) Remove the shoe return spring.

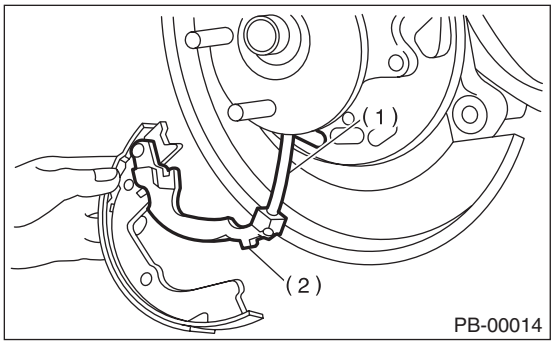


8) Remove the brake shoe cup and brake shoe spring, and remove the primary brake shoe.



(1) Brake shoe cup
(2) Primary brake shoe

9) Remove the strut and strut spring.
10) Remove the adjuster.
11) Remove brake shoe cup and brake shoe spring, and remove the secondary brake shoe.
12) Remove the parking brake cable from lever.



(1) Parking brake cable
(2) Lever

13) Remove a retainer from the secondary side brake shoe. Remove the lever from the brake shoe.

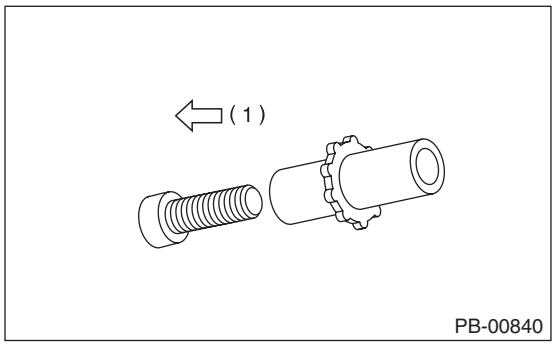
B: INSTALLATION

CAUTION:
Be sure the lining surface is free from brake fluid and grease.
1) Apply brake grease to the following locations.

Brake grease:
Brake Grease (Part No. 003602002)
- Six contact surfaces of the brake shoe rim and back plate gasket
- Contact surface of the brake shoe and the anchor pin
- Contact surface of the parking brake lever and strut
- Contact surface of the brake shoe and adjuster
- Contact surface of the brake shoe and strut
- Contact surface of the lever and brake shoe

2) Install the wave washer and lever to the secondary side brake shoe pin, and lock the retainer securely.
3) Install the parking brake cable to the lever.
4) Install the adjuster and adjusting spring to the brake shoe.

NOTE:
Install the adjuster with screw section on the direction side in the figure below.



(1) Left wheel: front side of vehicle, right wheel: rear side of vehicle

5) Check that the parking brake cable does not fall from the cable guide.
6) Install the brake shoes to the back plate with shoe hold pins, brake shoe springs, and brake shoe cups.
7) Install the strut and strut spring to the brake shoes.

NOTE:
Install the strut springs on front side of the vehicle.
8) Install the return springs on the primary side first, and then the secondary side.
9) Install the rear disc rotors and rear caliper body assembly.

Tightening torque:
Caliper body assembly (brembo type)
65 N·m (6.63 kgf-m, 47.9 ft-lb)
Caliper body assembly (except for brembo type)
66 N·m (6.73 kgf-m, 48.7 ft-lb)
10) Install the brake hose bracket.

Tightening torque:
33 N·m (3.36 kgf-m, 24.3 ft-lb)
11) Adjust the parking brake. <Ref. to PB-8, ADJUSTMENT, Parking Brake Assembly (Rear Disc Brake).>
12) If new brake shoes are replaced, drive the vehicle to break-in the parking brake lining.
(1) Drive the vehicle at approximately 35 km/h (22 MPH) or more.

(2) While pressing the parking brake lever button, pull the parking brake lever with a force of 150 N (15.3 kgf, 33.7 lbf).
(3) Drive the vehicle for about 200 m (0.12 mile) in this condition.
(4) Wait 5 to 10 minutes for the parking brake to cool down. Repeat steps (1) through (3) again.
(5) After breaking-in, re-adjust the parking brakes.

C: INSPECTION

1) Measure the inner diameter of the disc rotor. If scoring or worn is found on the disc, replace the disc rotor.

Disc rotor inner diameter:
Standard
190 mm (7.48 in)
Service limit
191 mm (7.52 in)

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

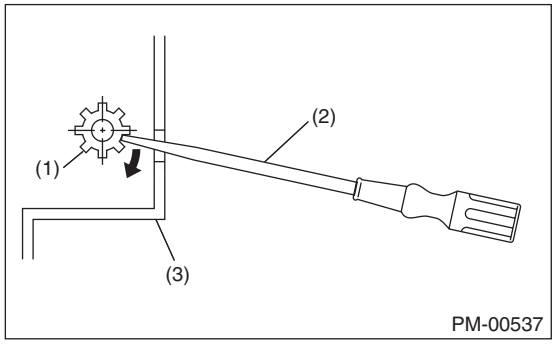
Lining thickness:
Standard
2.8 mm (0.11 in)
Service limit
1.5 mm (0.059 in)

NOTE:
Replace the right and left brake shoe as a set.

D: ADJUSTMENT

1. SHOE CLEARANCE

1) Return the parking brake lever fully.
2) Loosen the adjusting nut, and make the cable free.
3) Remove the adjusting hole cover from the disc rotor.
4) Using a flat tip screwdriver, turn the adjuster in the direction of the arrow as shown in the figure to an extent that the disc rotor cannot be rotated by both hands.



(1) Adjuster
(2) Flat tip screwdriver
(3) Disc rotor

5) Loosen the adjuster by 5 notches in the opposite direction of the arrow.

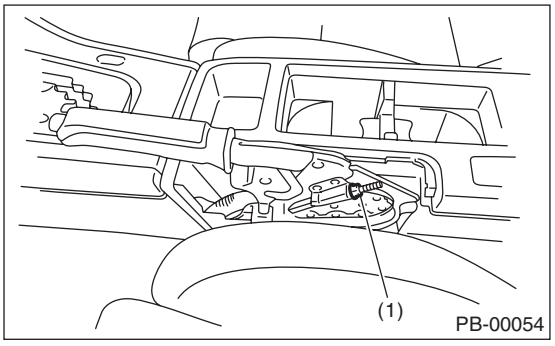
CAUTION:
• Check there is no brake drag.
• If the return amount of adjuster is insufficient, be sure to loosen it by 5 notches to avoid dragging.

6) Install the adjusting hole cover to the disc rotor.
7) Adjust the parking lever stroke. <Ref. to PB-8, LEVER STROKE, ADJUSTMENT, Parking Brake Assembly (Rear Disc Brake).>

2. LEVER STROKE

1) Adjust the shoe clearance before adjusting lever stroke. <Ref. to PB-8, SHOE CLEARANCE, ADJUSTMENT, Parking Brake Assembly (Rear Disc Brake).>
2) Remove the parking lever cover.
3) Pull the parking brake lever hard 3 to 5 times.
4) Turn the adjusting nut until the lever stroke is at the specified value.

Lever stroke:
7 to 8 notches when pulled with a force of 200 N (20.4 kgf, 45 lbf)



(1) Adjusting nut (self-locking nut)

5) Check there is no brake drag.
6) Install the parking lever cover.