

REAR DISC BRAKE ASSEMBLY

BRAKE

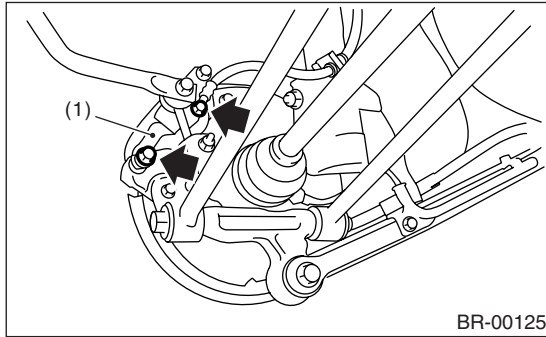
7. Rear Disc Brake Assembly

A: REMOVAL

CAUTION:

Do not allow brake fluid to come in contact with vehicle body; wash away with water and wipe off completely if spilled.

- 1) Set the vehicle on a lift.
- 2) Loosen the wheel nuts.
- 3) Lift-up the vehicle, and then remove the wheels.
- 4) Disconnect the brake hose from caliper body assembly.
- 5) Remove the bolt securing lock pin to caliper body.



(1) Caliper body

- 6) Raise the caliper body and move it toward vehicle center to separate it from support.
- 7) Remove the support from housing.

NOTE:

Remove the support only when replacing it or the rotor. It need not be removed when servicing the caliper body assembly.

- 8) Clean mud and foreign particles from the caliper body assembly and support.

CAUTION:

Be careful not to allow foreign particles to enter inlet (at brake hose connector).

B: INSTALLATION

- 1) Install the disc rotor on hub.
- 2) Install the support on housing.

Tightening torque:

52 N-m (5.3 kgf-m, 38.3 ft-lb)

- 3) Apply thin coat of Molykote AS880N (Part No. K0777YA010) to the frictional portion between pad and pad clip.

- 4) Install the pads on support.
- 5) Install the caliper body on support.

Tightening torque:

37 N-m (3.8 kgf-m, 27.5 ft-lb)

- 6) Replace the brake hose gaskets with new ones, and then connect the brake hose.

Tightening torque:

18 N-m (1.8 kgf-m, 13.0 ft-lb)

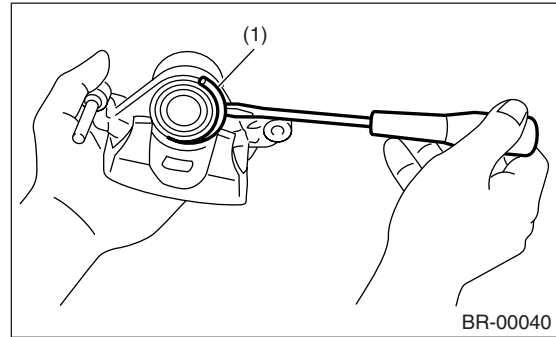
CAUTION:

The brake hose must be connected without any twist.

- 7) Bleed air from the brake system. <Ref. to BR-41, Air Bleeding.>

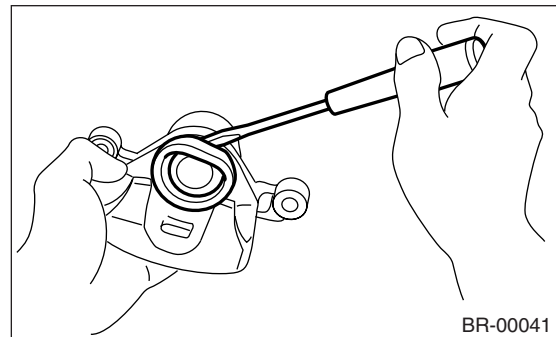
C: DISASSEMBLY

- 1) Remove the boot ring.

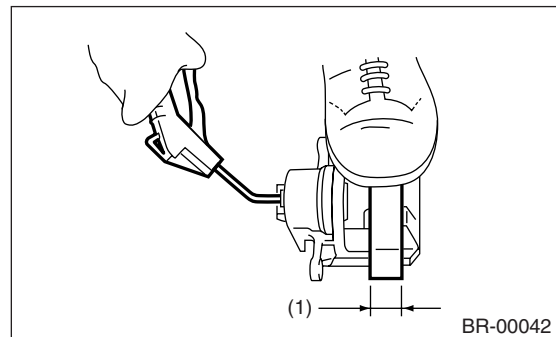


(1) Boot ring

- 2) Remove the piston boot.



- 3) Place a wooden block as shown in the figure to prevent damage to the piston. Gradually supply compressed air via inlet of the brake hose to force piston out.

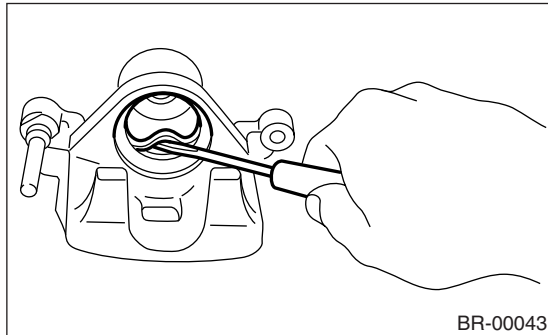


(1) Place a 30 mm (1.18 in) wide wooden block here.

4) Remove the piston seal from caliper body cylinder.

CAUTION:

Be careful not to scratch the inner surface of cylinder and piston seal groove.



5) Remove the lock pin sleeve and boot from caliper body.

6) Remove the guide pin boot.

D: ASSEMBLY

1) Clean the caliper body interior using brake fluid.

2) Apply a coat of brake fluid to the piston seal and fit piston seal in groove on caliper body.

3) Apply a coat of brake fluid to the entire inner surface of cylinder and outer surface of piston.

4) Apply a coat of specified grease to the boot and fit in groove on ends of cylinder and piston.

Grease:

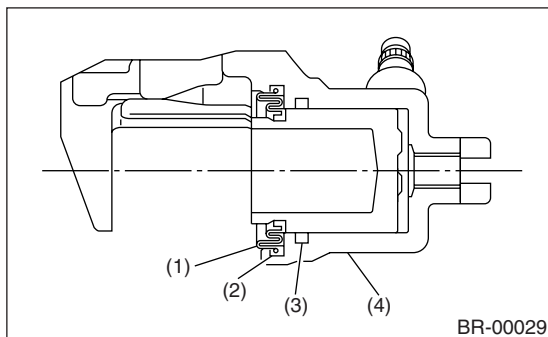
NIGLUBE RX-2 (Part No. K0779GA102)

5) Insert the piston into cylinder.

CAUTION:

Do not force piston into cylinder.

6) Install the piston boot to caliper body, and attach boot ring.

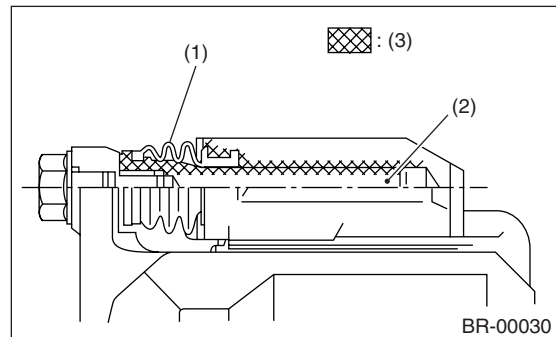


- (1) Piston boot
- (2) Boot ring
- (3) Piston seal
- (4) Caliper body

7) Apply a coat of specified grease to the guide pin, outer surface, sleeve outer surface, cylinder inner surface, and boot grooves.

Grease:

NIGLUBE RX-2 (Part No. K0779GA102)



- (1) Pin boot
- (2) Lock pin or guide pin
- (3) Apply grease.

8) Install the guide pin boot on support.

9) Install the lock pin boot on support and insert lock pin sleeve into place.

E: INSPECTION

- 1) Repair or replace the faulty parts.
- 2) Check the caliper body and piston for uneven wear, damage or rust.
- 3) Check the rubber parts for damage or deterioration.