

FRONT DISC BRAKE ASSEMBLY

BRAKE

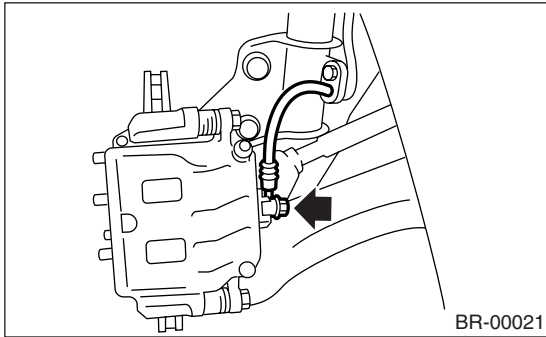
4. Front Disc Brake Assembly

A: REMOVAL

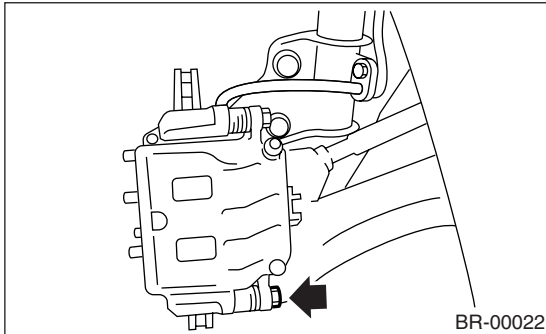
CAUTION:

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) Jack-up the vehicle, and then remove the front wheel.
- 4) Remove the union bolt, and then disconnect the brake hose from caliper body assembly.



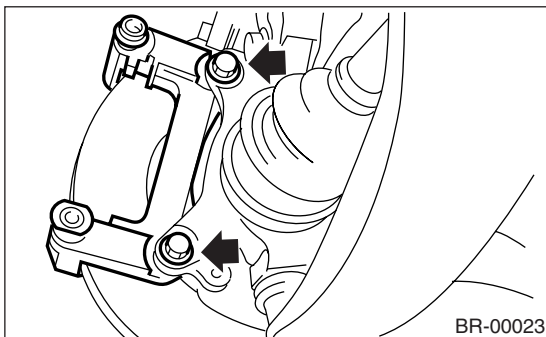
- 5) Remove the bolt securing lock pin to caliper body.



- 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.

B: INSTALLATION

- 1) Install the support on housing.

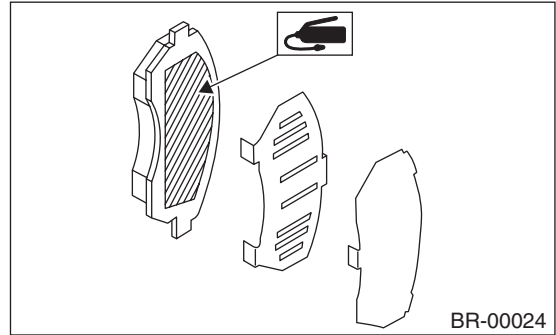
Tightening torque:

80 N·m (8.2 kgf-m, 59 ft-lb)

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

NOTE:

- Do not apply grease between outer pad and outer shim.
- Do not confuse the inner shim with outer shim.



- 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)

- 7) Bleed air from the brake system.

C: DISASSEMBLY

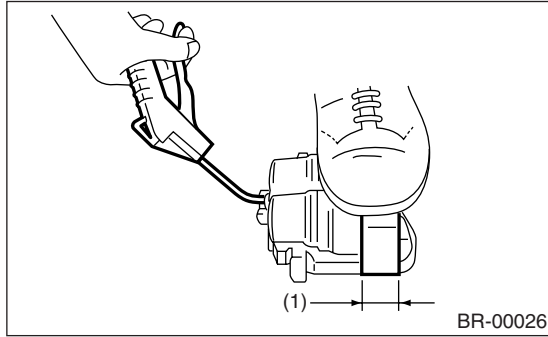
1) Clean mud and foreign particles from the caliper body assembly and support.

CAUTION:

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

2) Remove the boot from piston end.

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.

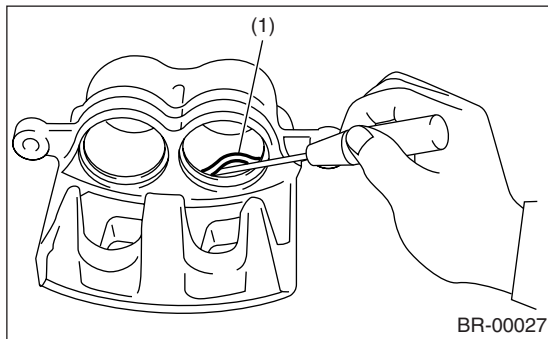


(1) Place a 30 mm (1.18 in) wide wooden block here.

4) Remove the piston seal from caliper body cylinder.

CAUTION:

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



(1) Piston seal

5) Remove the lock pin boot and 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.

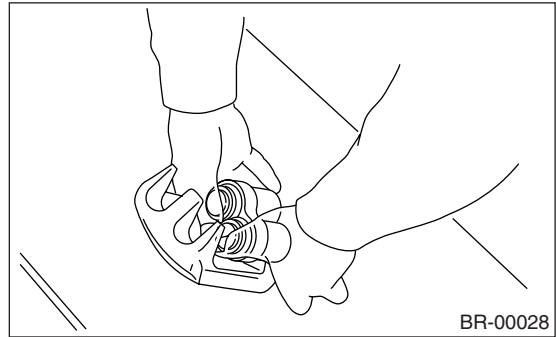
Grease:

NIGLUBE RX-2 (Part No. K0779GA102)

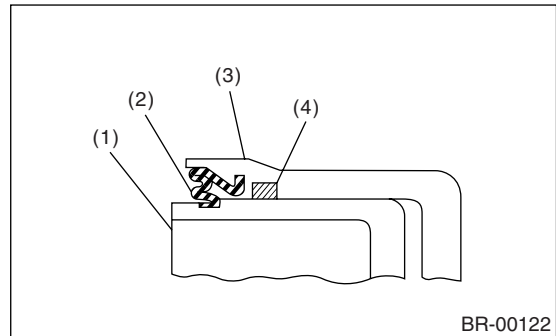
5) Insert the piston into cylinder.

CAUTION:

Do not force the piston into cylinder.



6) Position the boot in grooves on cylinder and piston.



(1) Piston
 (2) Piston boot
 (3) Caliper body
 (4) Piston seal

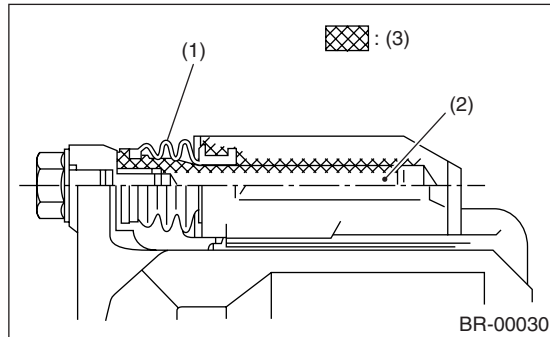
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7) Apply a coat of specified grease to the lock pin and guide pin, outer surface, cylinder inner surface, and boot grooves.

Grease:

NIGLUBE RX-2 (Part No. K0779GA102)



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

8) Install the lock pin boot and guide pin boot on support.

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.