

7. Rear Disc Brake Assembly

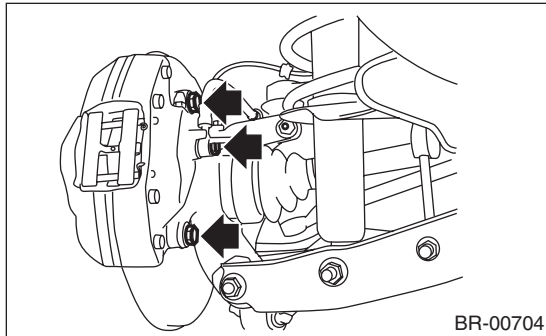
A: REMOVAL

1. BREMBO TYPE

CAUTION:

Do not allow brake fluid to come in contact with the painted surface of the vehicle body. If it does, wash off with water and wipe away completely.

- 1) Lift up the vehicle, and then remove the rear wheels.
- 2) Remove the union bolt and brake hose from the caliper body.
- 3) Remove the caliper body assembly.



- 4) Remove mud and foreign matter from the caliper body assembly.

CAUTION:

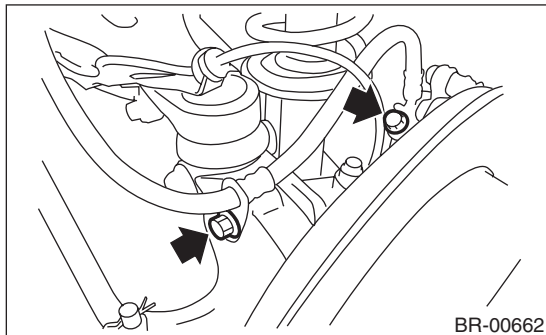
Be careful not to allow foreign matter to enter the brake hose connector.

2. EXCEPT FOR brembo TYPE

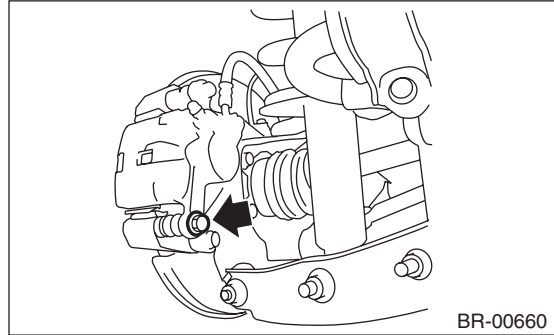
CAUTION:

Do not allow brake fluid to come in contact with the painted surface of the vehicle body. If it does, wash off with water and wipe away completely.

- 1) Lift up the vehicle, and then remove the rear wheels.
- 2) Remove the brake hose bracket.
- 3) Disconnect the brake hose.



- 4) Remove the caliper mounting bolts.



- 5) Raise the caliper body, and then move it toward vehicle center to separate it from the support.
- 6) Remove the brake pad, and then remove the support from the housing.

NOTE:

Remove the support only when replacing the rotor or support. It is not necessary to remove it when servicing the caliper body.

- 7) Remove mud and foreign matter from the caliper body and the support.

CAUTION:

Be careful not to allow foreign matter to enter the brake hose connector.

B: INSTALLATION

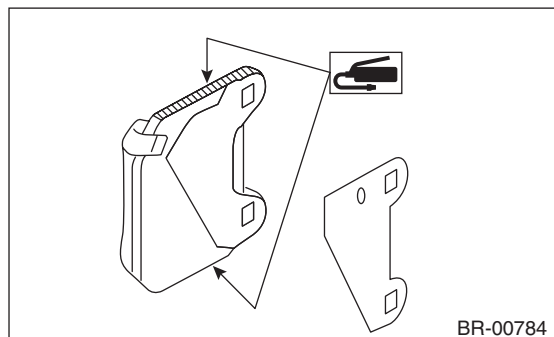
1. BREMBO TYPE

- 1) Install the caliper body to the housing.

Tightening torque:

65 N·m (6.63 kgf-m, 47.9 ft-lb)

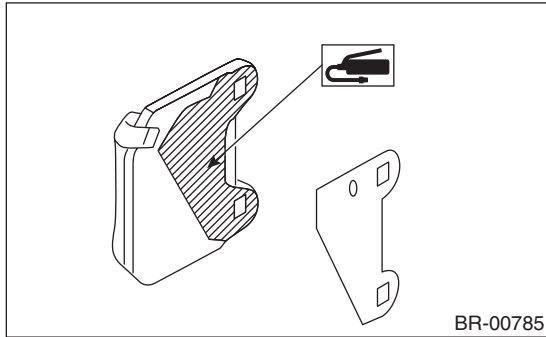
- 2) Apply a thin coat of Molykote M7439 or grease contained in the pad kit to the pad side.



Rear Disc Brake Assembly

BRAKE

3) Apply a thin coat of Molykote AS880N (Part No. K0777YA010) or the grease contained in the pad kit to the contact surface between the pad and pad shim.



- 4) Install the pads to the caliper body.
- 5) Install the cross spring and pad pins.
- 6) Install the clips.
- 7) Connect the brake hose using a new brake hose gasket.

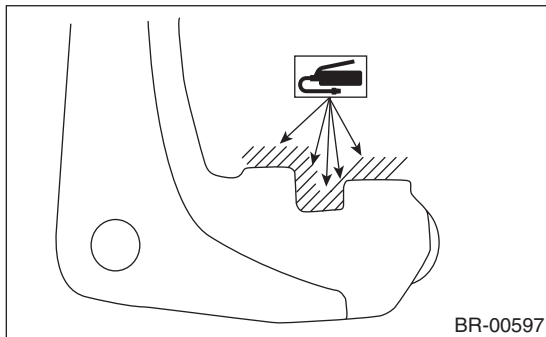
Tightening torque:

18 N·m (1.84 kgf-m, 13.3 ft-lb)

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

2. EXCEPT FOR BREMBO TYPE

- 1) Apply a thin coat of Molykote M7439 or grease contained in the pad kit to the support.

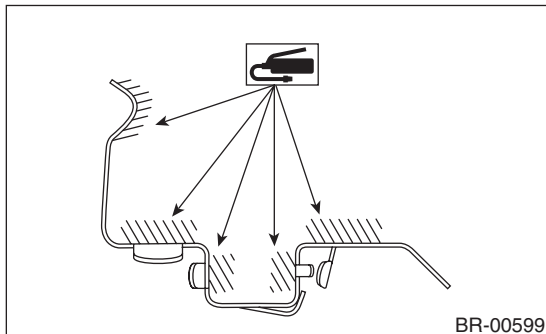


- 2) Install the support to the housing.

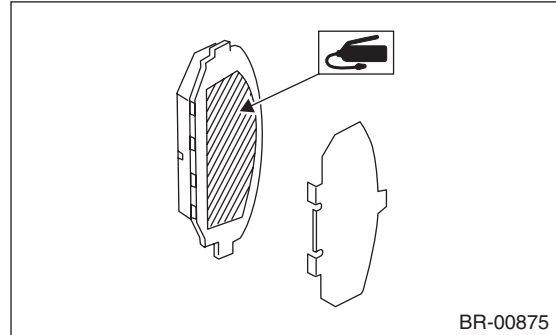
Tightening torque:

66 N·m (6.73 kgf-m, 48.7 ft-lb)

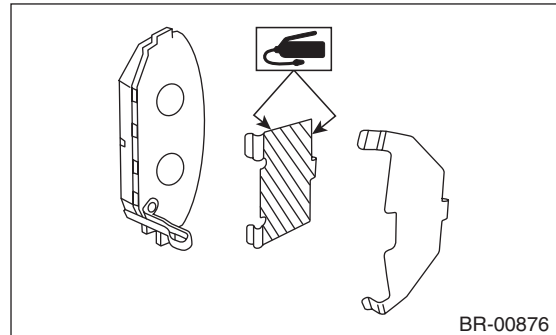
- 3) Apply a thin coat of Molykote M7439 or grease contained in the pad kit to the pad clip.



- 4) Apply a thin coat of Molykote AS880N (Part No. K0777YA010) or grease contained in the pad kit between the outer pad and shim.



- 5) Apply a thin coat of Molykote AS880N (Part No. K0777YA010) or grease contained in the pad kit to both surfaces of the inner pad inner shim.



- 6) Install the pad to support.
- 7) Install the caliper body to the support.

Tightening torque:

27 N·m (2.75 kgf-m, 19.9 ft-lb)

- 8) Install the brake hose bracket.

Tightening torque:

33 N·m (3.36 kgf-m, 24.3 ft-lb)

- 9) Connect the brake hose using a new brake hose gasket.

Tightening torque:

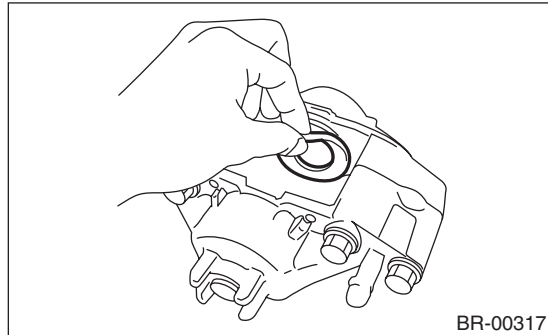
18 N·m (1.84 kgf-m, 13.3 ft-lb)

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

C: DISASSEMBLY

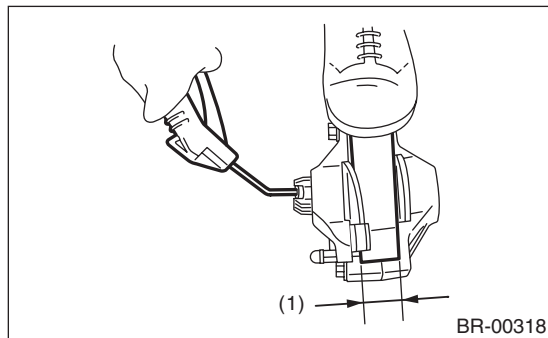
1. BREMBO TYPE

- 1) Remove the piston boots from each piston end.



- 2) Place a wooden block in the caliper body as shown in the figure to prevent the piston from jumping out and being damaged.

- 3) Gradually apply compressed air via the brake hose installation hole to push the piston out.

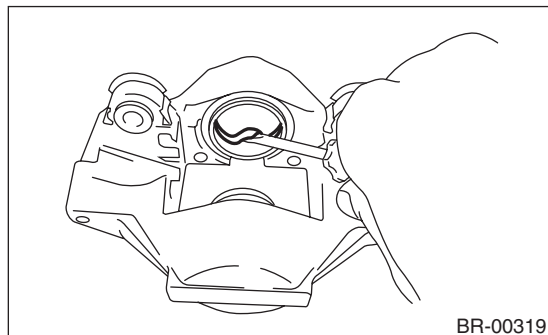


- (1) Place a wooden block of 20 mm (0.79 in) width.

- 4) Remove the piston seal from caliper body cylinder.

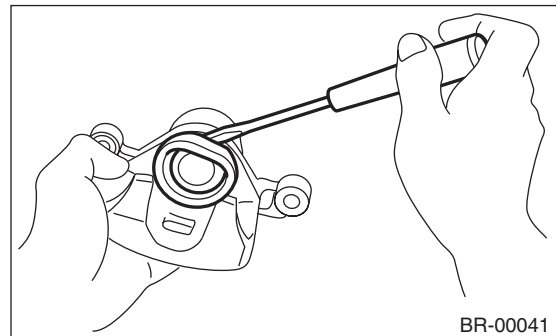
CAUTION:

Do not damage the cylinder and piston seal groove.



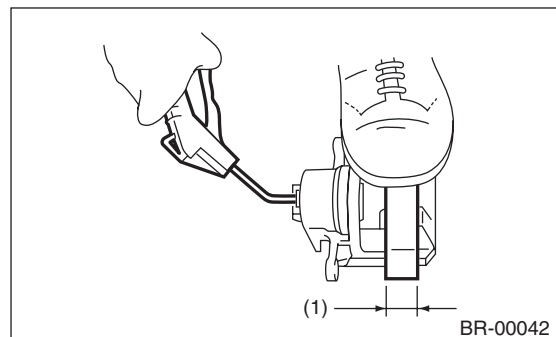
2. EXCEPT FOR BREMBO TYPE

- 1) Remove the piston boot.



- 2) Place a wooden block in the caliper body as shown in the figure to prevent the piston from jumping out and being damaged.

- 3) Gradually apply compressed air via the brake hose installation hole to push the piston out.

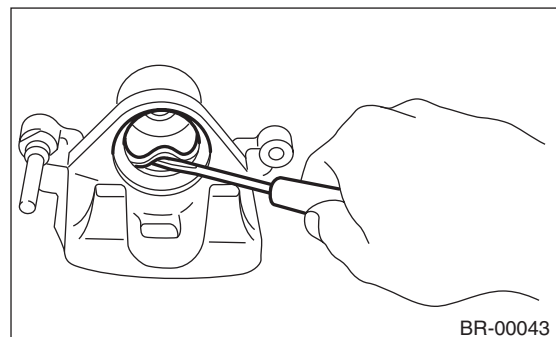


- (1) Place a wooden block of 30 mm (1.18 in) width.

- 4) Remove the piston seal from caliper body cylinder.

CAUTION:

Do not damage the cylinder and piston seal groove.



- 5) Remove the pin boot.

D: ASSEMBLY

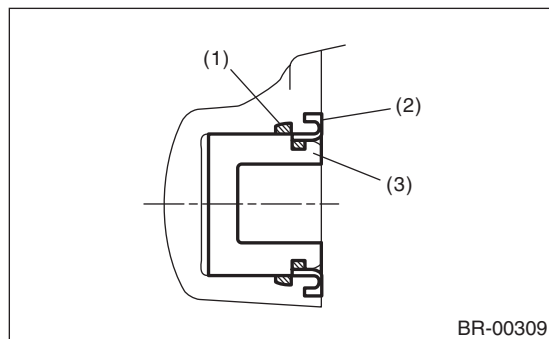
1. BREMBO TYPE

- 1) Clean the inside of the caliper body using brake fluid.
- 2) Apply a coat of brake fluid to the piston seal and install in the caliper body groove.
- 3) Apply a coat of brake fluid to the inner surface and the entire outer surface of the cylinder.
- 4) Apply NIGLUBE RX-2 (Part No. K0779GA102) or the pad kit grease to the boot, and install to the piston groove.
- 5) Insert the piston into the cylinder.

CAUTION:

Do not force the piston into cylinder.

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



- (1) Piston seal
- (2) Piston boot
- (3) Piston

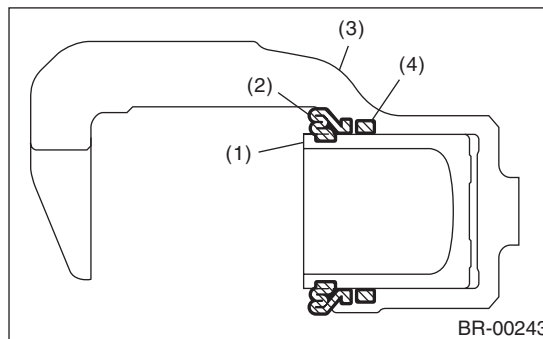
2. EXCEPT FOR BREMBO TYPE

- 1) Clean the inside of the caliper body using brake fluid.
- 2) Apply a coat of brake fluid to piston seal and install the piston seal to the caliper body groove.
- 3) Apply a coat of brake fluid to the inner surface of cylinder and the entire outer surface of the piston.
- 4) Apply grease contained in the piston seal kit to the boot, and install it to the groove at the end of the cylinder.
- 5) Insert the piston into cylinder.

CAUTION:

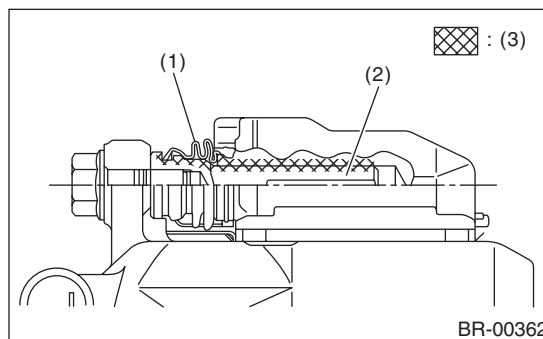
Do not force the piston into cylinder.

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



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

- 7) Apply grease contained in the piston seal kit to the cylinder inner surface, pin, bushing outer surface, and boot grooves.



- (1) Pin boot
- (2) Lock pin or guide pin
- (3) Grease applied area

- 8) Insert the pin boot into the support.
- 9) Install the pin boot to the support, and then insert the pin into the specified position.

CAUTION:

Insert the pin into specified position, and make sure that they slide and seat properly.

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.