

7. Rear Disc Brake Assembly

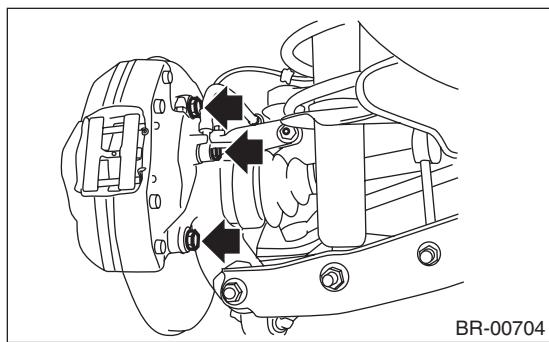
A: REMOVAL

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.



BR-00704

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

CAUTION:

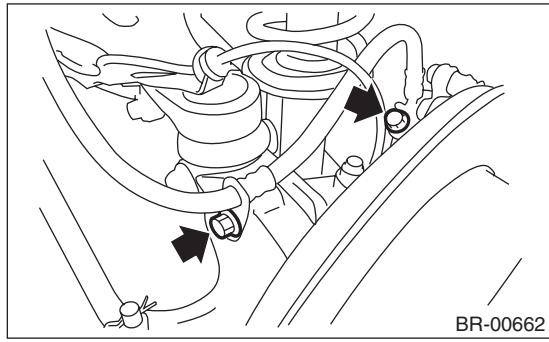
Be careful not to allow foreign matter to enter the brake hose connector.

2. EXCEPT FOR brembo TYPE

CAUTION:

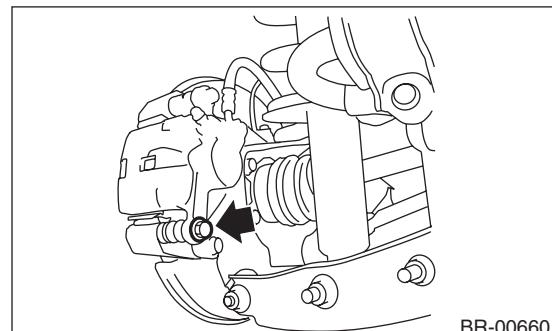
Do not allow brake fluid to come in contact with the painted surface of the vehicle body. If it does, wash off with water and wipe away completely.

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



BR-00662

- 4) Remove the caliper mounting bolts.



BR-00660

- 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

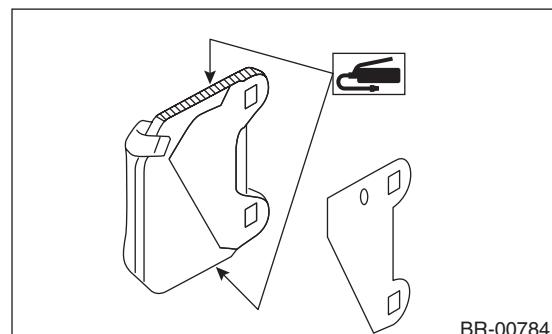
1. BREMBO TYPE

- 1) Install the caliper body to the housing.

Tightening torque:

$65 \text{ N}\cdot\text{m} (6.63 \text{ kgf}\cdot\text{m}, 47.9 \text{ ft}\cdot\text{lb})$

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

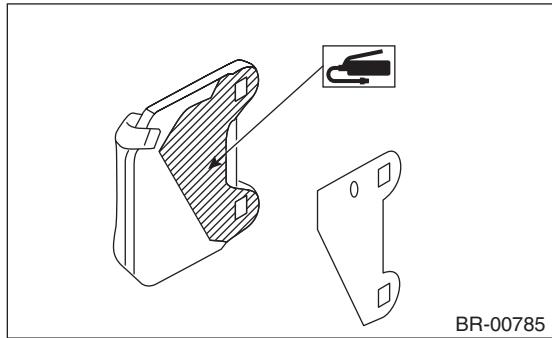


BR-00784

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.

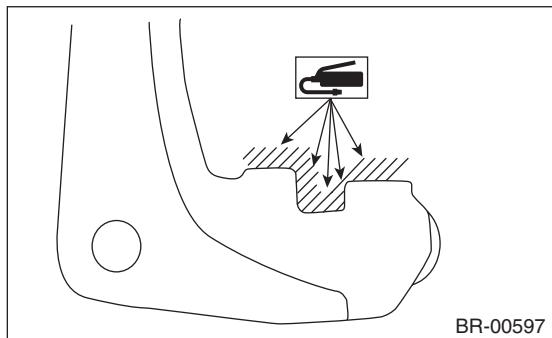
Tightening torque:

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.

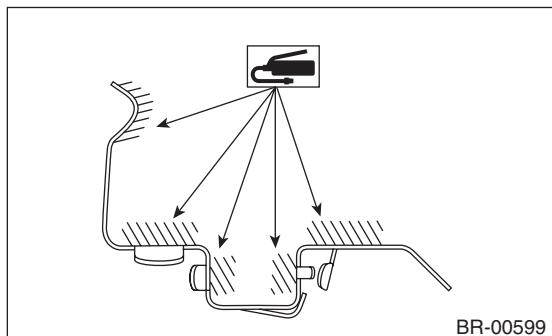


2) Install the support to the housing.

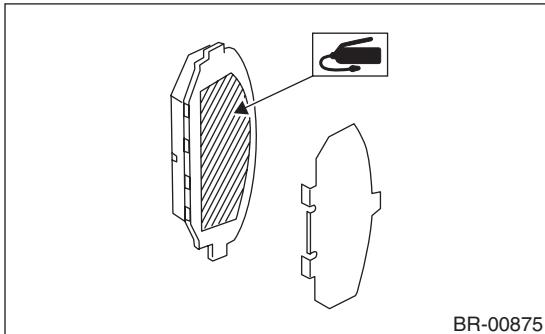
Tightening torque:

66 N·m (6.73 kgf·m, 48.7 ft-lb)

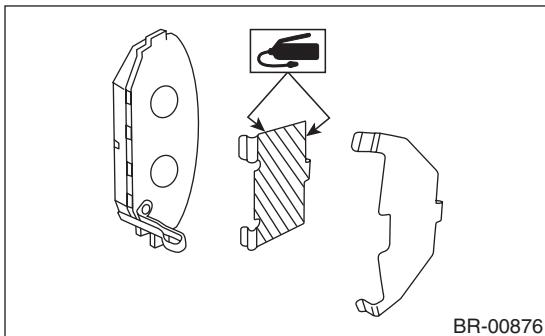
3) Apply a thin coat of Molykote M7439 or grease contained in the pad kit to the pad clip.



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:

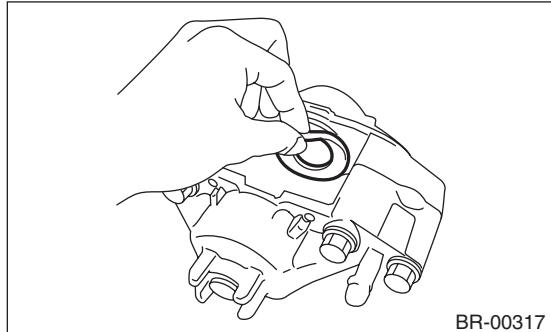
18 N·m (1.84 kgf·m, 13.3 ft-lb)

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

C: DISASSEMBLY

1. BREMBO TYPE

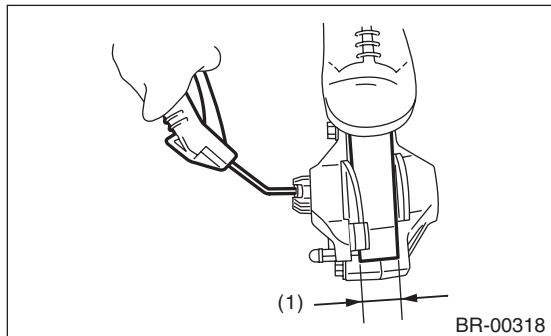
- 1) Remove the piston boots from each piston end.



BR-00317

- 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.



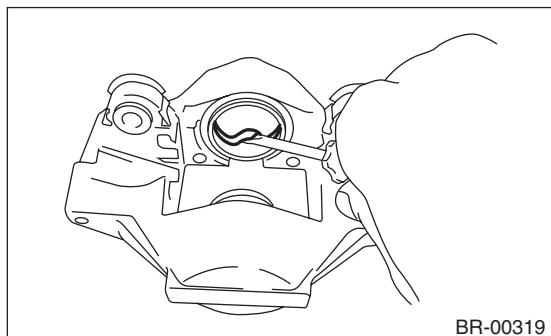
BR-00318

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

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

CAUTION:

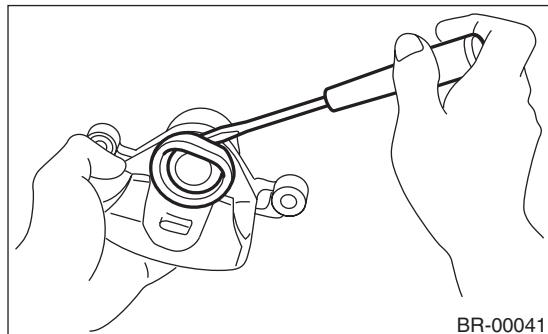
Do not damage the cylinder and piston seal groove.



BR-00319

2. EXCEPT FOR BREMBO TYPE

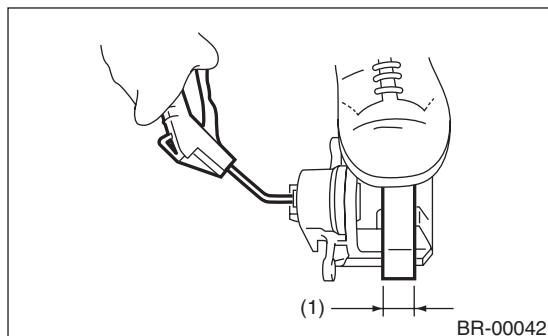
- 1) Remove the piston boot.



BR-00041

- 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.



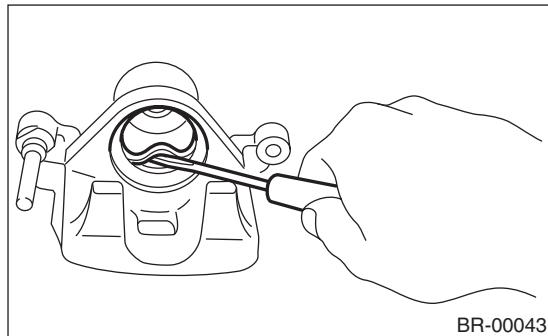
BR-00042

(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.



BR-00043

- 5) Remove the pin boot.

D: ASSEMBLY

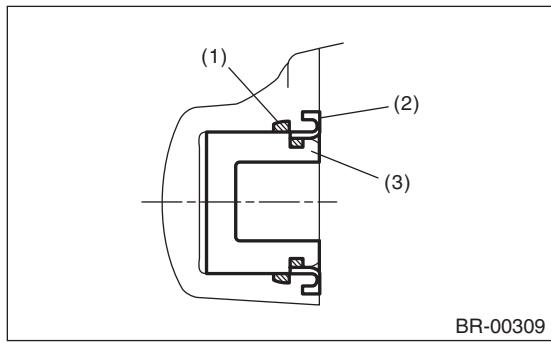
1. BREMBO TYPE

- 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:

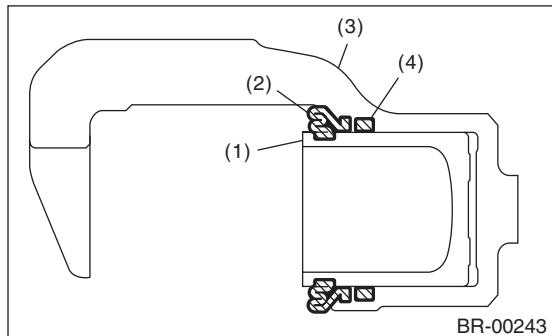
Do not force the piston into cylinder.

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



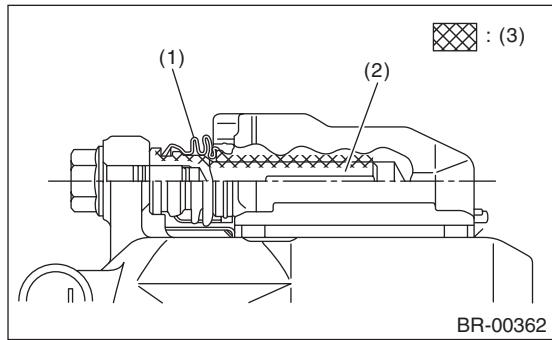
(1) Piston seal
(2) Piston boot
(3) Piston

- 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.

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.