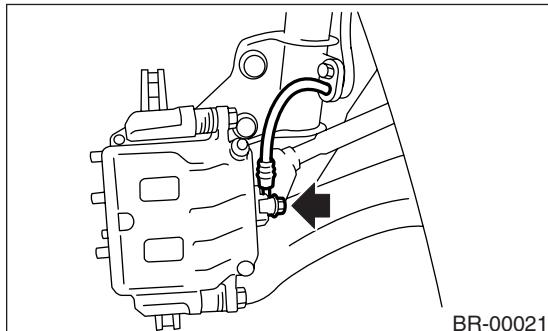


## 4. Front Disc Brake Assembly

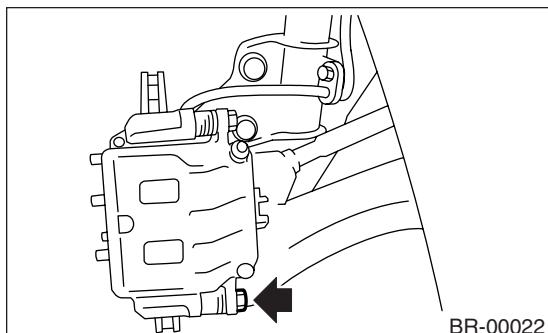
### A: REMOVAL

- 1) Set the vehicle on the lift.
- 2) Loosen the wheel nuts.
- 3) Jack-up the vehicle, and remove the front wheel.
- 4) Remove the union bolt and disconnect the brake hose from caliper body assembly.



BR-00021

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

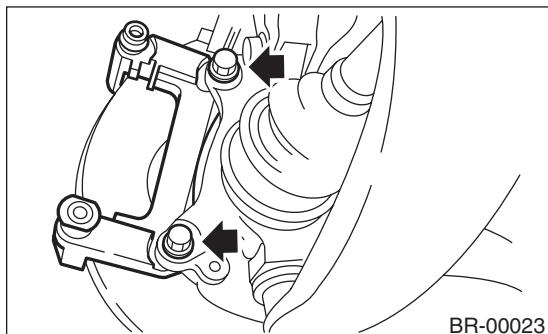


BR-00022

- 6) Raise the caliper body and move it toward the 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.



BR-00023

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

### B: INSTALLATION

- 1) Install the support on housing.

#### *Tightening torque:*

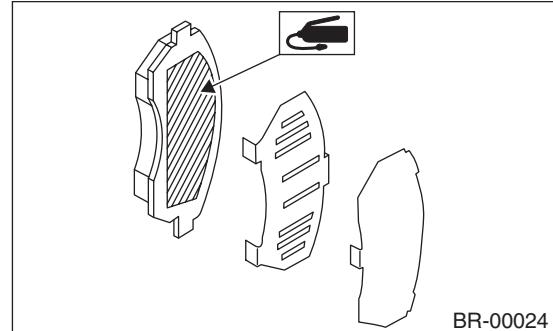
$80 \text{ N}\cdot\text{m} (8.2 \text{ kgf-m}, 59 \text{ ft-lb})$

#### CAUTION:

- Always replace the pads for both the left and right wheels at the same time. Also replace the pad clips if they are twisted or worn.
- A wear indicator is provided on the inner disc brake pad. If the pad wears down to such an extent that the end of the wear indicator contacts the disc rotor, a squeaking sound is produced as the wheel rotates. If this sound is heard, replace the pad.
- When replacing the pads, replace the pads of the right and left wheels at the same time.

- 2) Apply a thin coat of Molykote AS880N (Part No. 26298AC000) to the frictional portion between pad and pad clip.

- 3) Apply a thin coat of Molykote AS880N (Part No. 26298AC000) to the frictional portion between pad and inner shim. (Non-turbo model)



BR-00024

- 4) Install the pads on support.

- 5) Install the caliper body on support.

#### *Tightening torque:*

$26.5 \text{ N}\cdot\text{m} (2.70 \text{ kgf-m}, 19.5 \text{ ft-lb})$

- 6) Connect the brake hose.

#### *Tightening torque:*

$18 \text{ N}\cdot\text{m} (1.8 \text{ kgf-m}, 13.0 \text{ ft-lb})$

#### CAUTION:

Replace the brake hose gaskets with new ones.

- 7) Bleed air from the brake system. <Ref. to BR-44, Air Bleeding.>

# FRONT DISC BRAKE ASSEMBLY

## BRAKE

### C: DISASSEMBLY

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

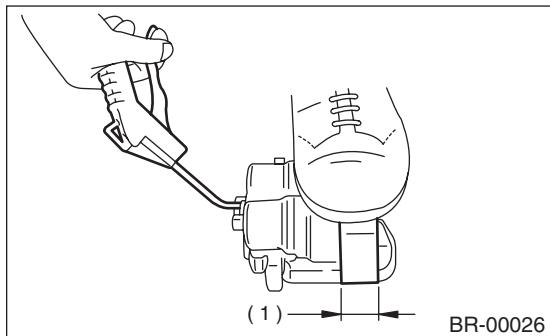
#### CAUTION:

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

2) Gradually supply compressed air via inlet of the brake hose to force piston out.

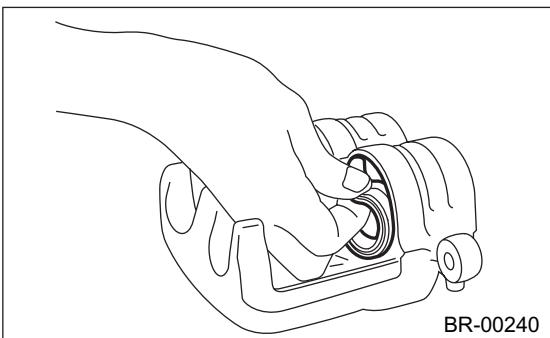
#### CAUTION:

- Place a wooden block as shown in the figure to prevent damage to piston.
- Do not apply excessively high-pressure.

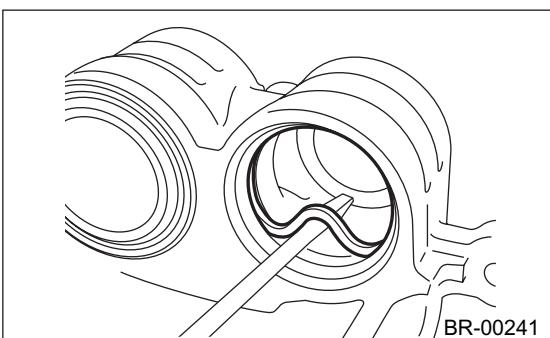


(1) Place a 30 mm (1.18 in) wide wooden block here.

3) Remove the piston boot.



4) Remove the piston seal from caliper body cylinder.



5) Remove the guide pin and boot from caliper body.

### 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 the groove on ends of cylinder and piston boot onto cylinder.

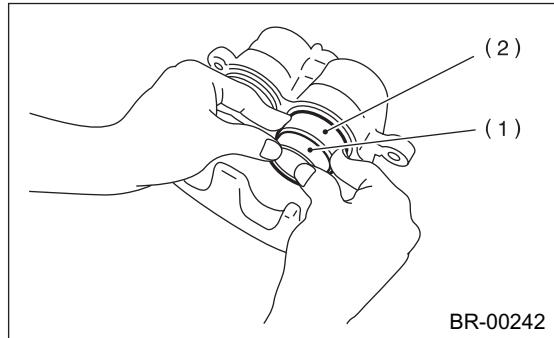
#### Grease:

**NIGLUBE RX-2 (Part No. 003606000)**

5) Insert the piston into cylinder.

#### CAUTION:

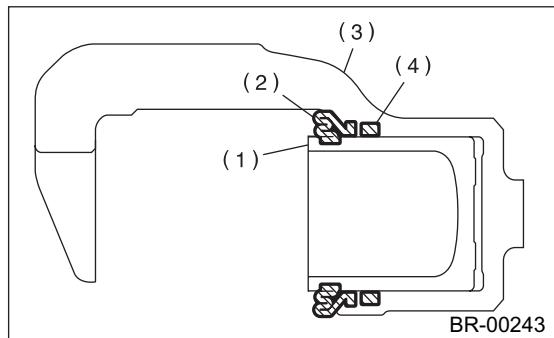
**Do not force the piston into cylinder.**



(1) Piston

(2) Piston boot

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



(1) Piston

(2) Piston boot

(3) Caliper body

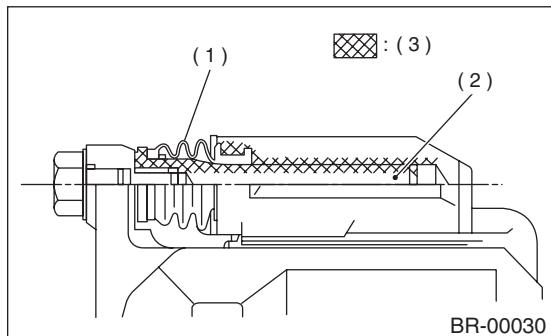
(4) Piston seal

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. 003606000)**

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



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

## E: INSPECTION

### NOTE:

Repair or replace the faulty parts.

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