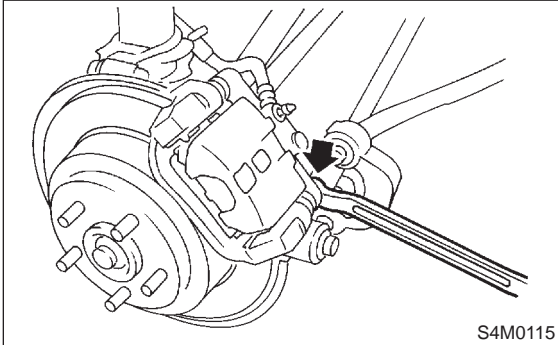


## 2. Rear Disc Brake

### A: ON-CAR SERVICE

#### 1. PAD

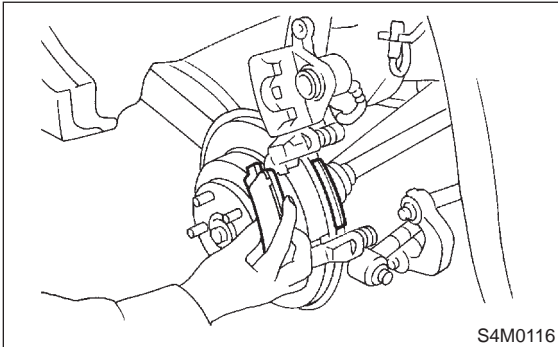
- 1) Remove lock pin.



- 2) Raise caliper body.
- 3) Remove pad from support.

**NOTE:**

If brake pad is difficult to remove, use the same procedure as for front disc brake pad. <Ref. to 4-4 [W1A1].>



- 4) Check pad thickness (including back metal).

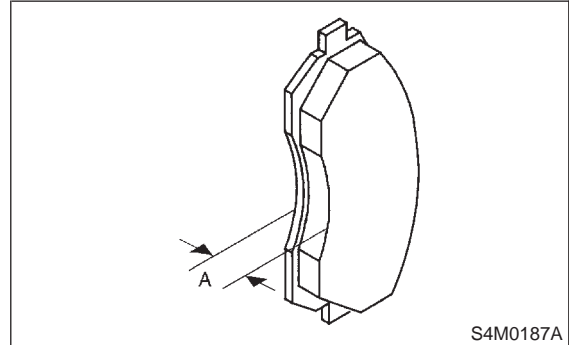
**Pad thickness: A**

**Standard value**

**14 mm (0.55 in)**

**Wear limit**

**6.5 mm (0.256 in)**



**CAUTION:**

- Always replace the pads for both the left and right wheels at the same time. Also replace 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.
- Replace pad if there is oil or grease on it.

- 5) Apply a thin coat of Molykote AS880N (Part No. 26298AC000) to the frictional portion between pad and pad clip.
- 6) Install pad on support.
- 7) Install caliper body on support.

**Tightening torque:**

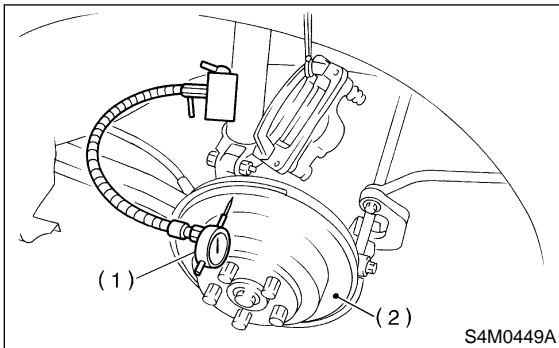
**39±5 N·m (4.0±0.5 kg·m, 28.9±3.6 ft·lb)**

**NOTE:**

If it is difficult to push piston during pad replacement, loosen air bleeder to facilitate work.

**2. DISC ROTOR**

- 1) Install disc rotor by tightening the five wheel nuts.
- 2) Set a dial gauge on the disc rotor. Turn disc rotor to check runout.



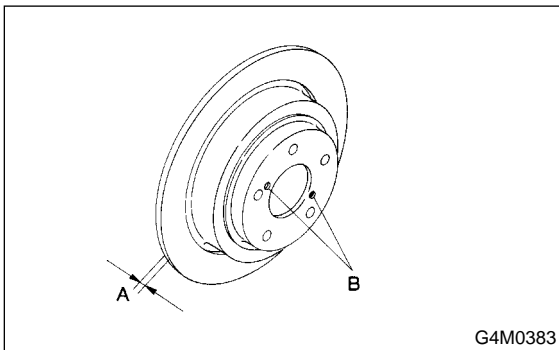
- (1) Disc rotor
- (2) Dial gauge

**NOTE:**

Make sure that dial gauge is set 5 mm (0.20 in) inward of rotor outer perimeter.

**Disc rotor runout limit:**  
**0.07 mm (0.0028 in)**

- 3) Measure disc rotor thickness.



**NOTE:**

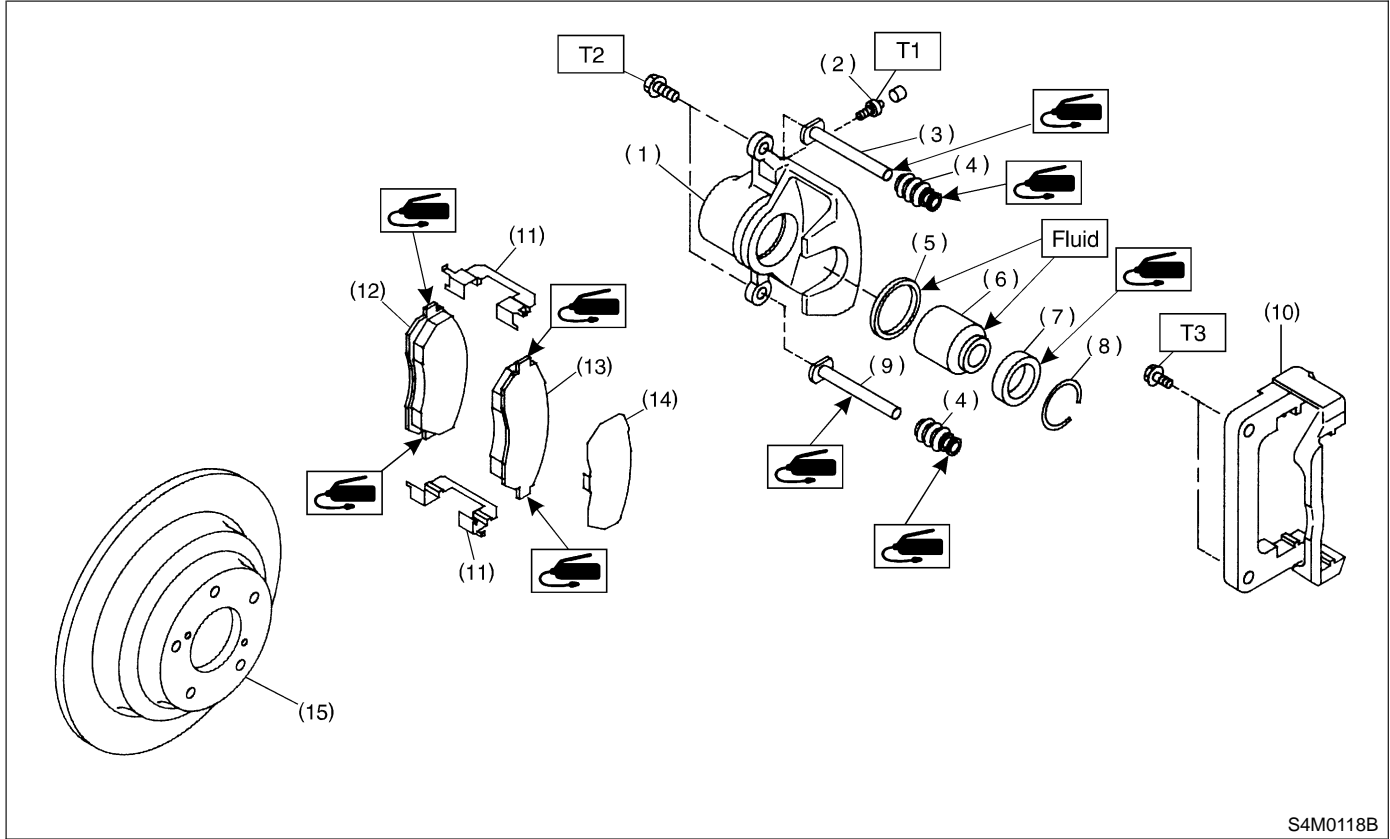
Make sure that micrometer is set 5 mm (0.20 in) inward of rotor outer perimeter.

**Disc rotor thickness: A**  
**Standard value**  
**10 mm (0.39 in)**  
**Service limit**  
**8.5 mm (0.335 in)**

**NOTE:**

When removing disc rotor, refer to instructions under Parking Brake. <Ref. to 4-4 [W4A0].>

**B: REMOVAL**



S4M0118B

- |                       |                       |
|-----------------------|-----------------------|
| (1) Caliper body      | (9) Lock pin (Yellow) |
| (2) Air bleeder screw | (10) Support          |
| (3) Guide pin (Green) | (11) Pad clip         |
| (4) Pin boot          | (12) Inner pad        |
| (5) Piston seal       | (13) Outer pad        |
| (6) Piston            | (14) Shim             |
| (7) Piston boot       | (15) Disc rotor       |
| (8) Boot ring         |                       |

**Tightening torque: N-m (kg-m, ft-lb)**

**T1: 8±1 (0.8±0.1, 5.8±0.7)**

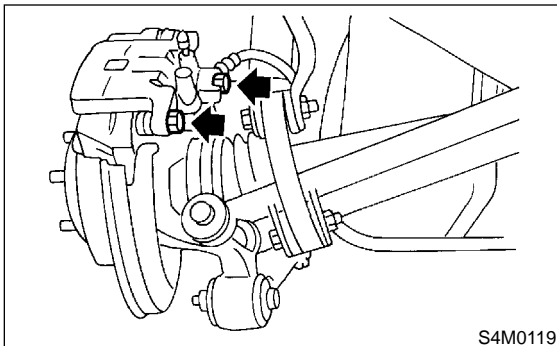
**T2: 39±5 (4.0±0.5, 28.9±3.6)**

**T3: 52<sup>+10</sup>/<sub>-6</sub> (5.3<sup>+1.0</sup>/<sub>-0.6</sub>, 38.2<sup>+7.2</sup>/<sub>-4.3</sub>)**

- 1) Lift-up vehicle and remove wheels.
- 2) Disconnect brake hose from caliper body assembly.

**CAUTION:**

**Do not allow brake fluid to come in contact with vehicle body; wipe off completely if spilled.**



S4M0119

- 3) Remove lock pin.

- 4) Raise caliper body and move it toward vehicle center to separate it from support.
- 5) Remove support from back plate.

**NOTE:**

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

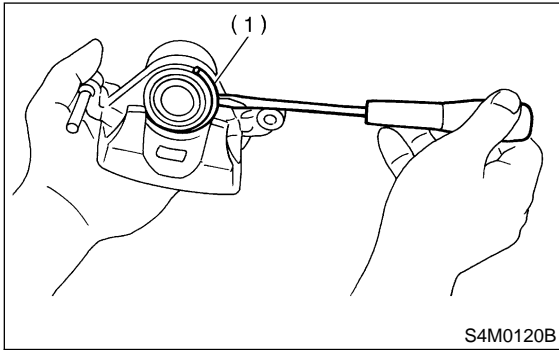
- 6) Clean mud and foreign particles from caliper body assembly and support.

**CAUTION:**

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

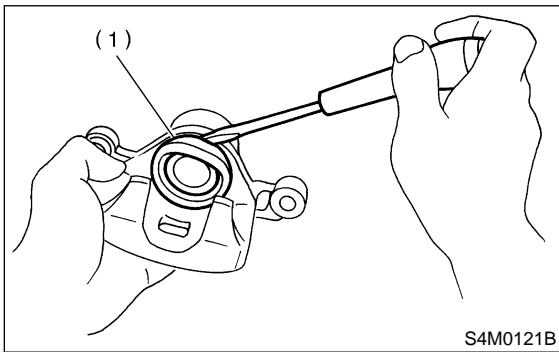
**C: DISASSEMBLY**

1) Remove the boot ring.



(1) Boot ring

2) Remove the piston boot.

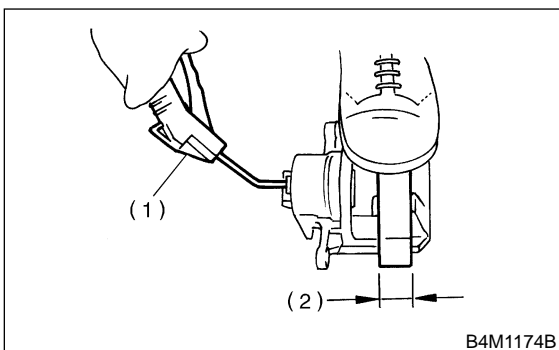


(1) Piston boot

3) Gradually supply compressed air via inlet of caliper body to force piston out.

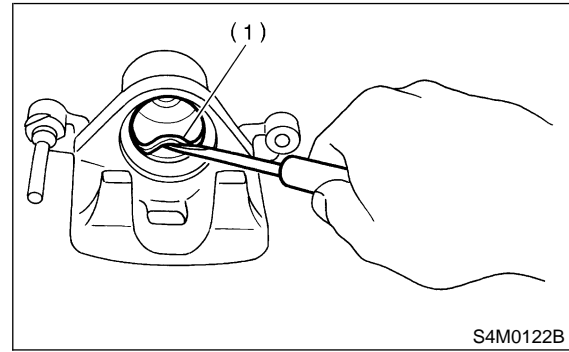
**CAUTION:**

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



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

4) Remove piston seal from caliper body cylinder.



(1) Piston seal

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

6) Remove guide pin boot.

**D: INSPECTION**

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

**E: ASSEMBLY**

- 1) Clean caliper body interior using brake fluid.
- 2) Apply a coat of brake fluid to 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) Insert piston into cylinder.

**CAUTION:**

**Do not force piston into cylinder.**

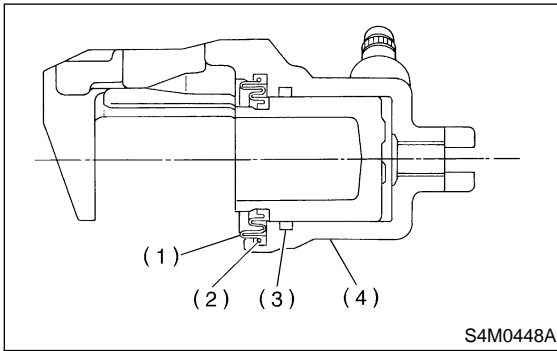
- 5) Apply a coat of specified grease to boot and fit in groove on ends of cylinder and piston.

**Grease**

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

## 2. Rear Disc Brake

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

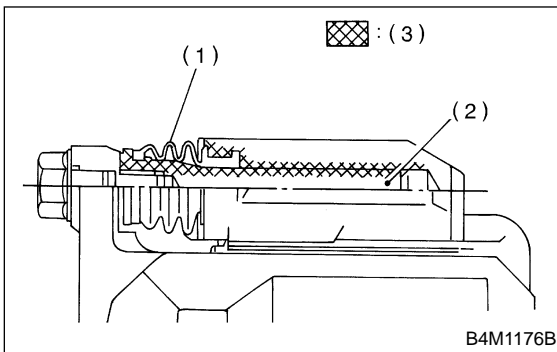


- (1) Piston boot  
 (2) Boot ring  
 (3) Piston seal  
 (4) Caliper body

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

**Grease**

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



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

- 8) Install guide pin boot on caliper body.  
 9) Install lock pin boot on caliper body and insert lock pin sleeve into place.

**F: INSTALLATION**

- 1) Install disc rotor on hub.
- 2) Install support on back plate.

**Tightening torque:**

$52^{+10}_{-6}$  N·m ( $5.3^{+1.0}_{-0.6}$  kg·m,  $38.2^{+7.2}_{-4.3}$  ft·lb)

**CAUTION:**

- Always replace the pads for both the left and right wheels at the same time. Also replace 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.
- Replace pads if there is oil or grease on them.

- 3) Apply a thin coat of Molykote AS880N (Part No. 26298AC000) to the frictional portion between pad and pad clip.
- 4) Install pads on support.
- 5) Install caliper body on support.

**Tightening torque:**

$39\pm 5$  N·m ( $4.0\pm 0.5$  kg·m,  $28.9\pm 3.6$  ft·lb)

- 6) Connect brake hose.

**Tightening torque:**

$18\pm 3$  N·m ( $1.8\pm 0.3$  kg·m,  $13.0\pm 2.2$  ft·lb)

**CAUTION:**

- The brake hose must be connected without any twist.
  - Replace brake hose gaskets with new ones.
- 7) Bleed air from brake system.