

# Rear Disc Brake Assembly

BRAKE

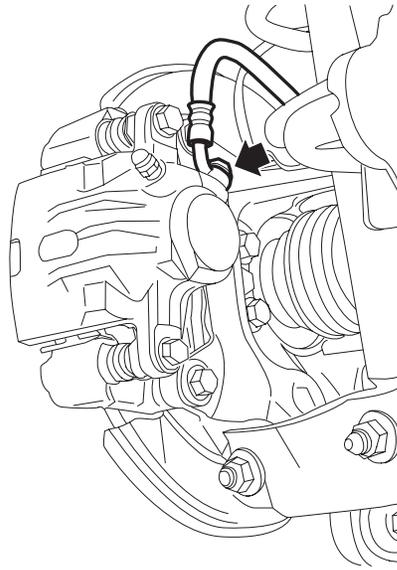
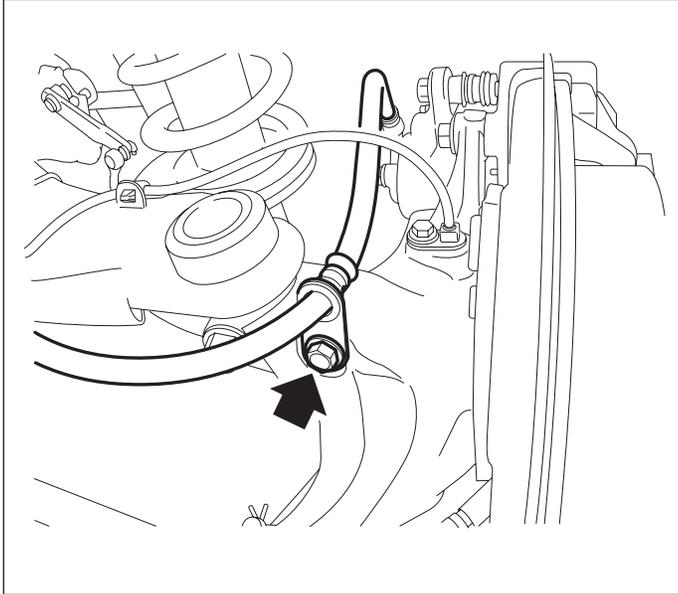
## 7. Rear Disc Brake Assembly

### A: REMOVAL

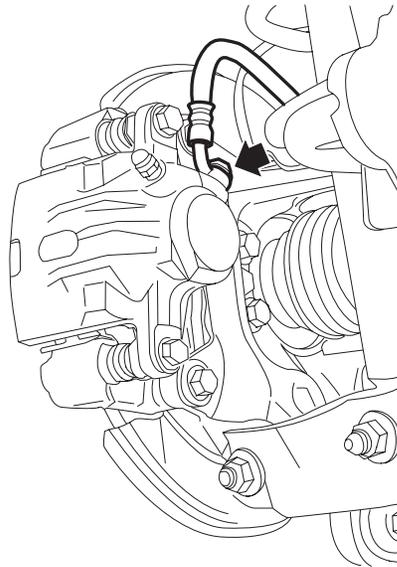
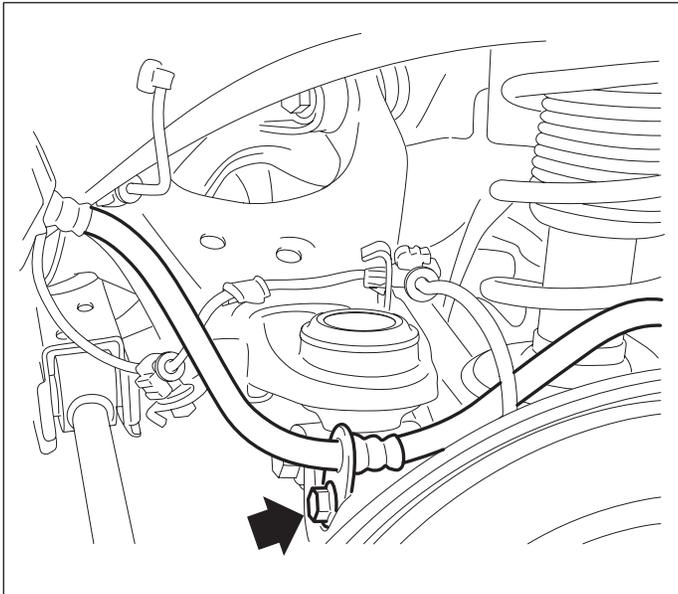
#### CAUTION:

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 caliper body assembly from the support - rear disc brake.
  - (1) Remove the brake hose bracket and union bolt.

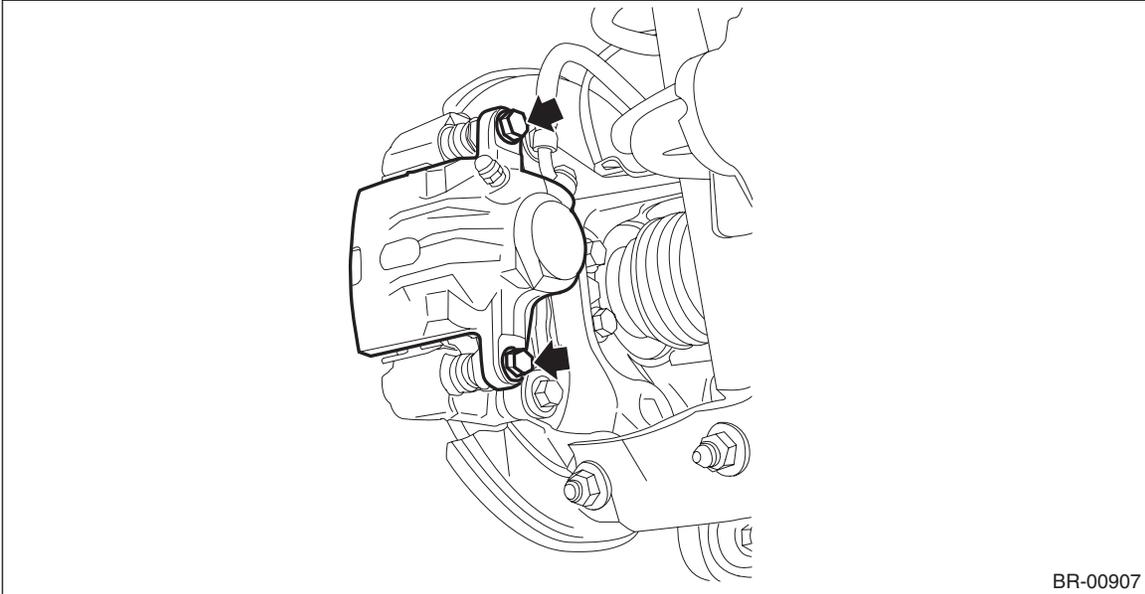


BR-00964



BR-01003

- (2) Remove the caliper bolt, and remove the caliper body assembly.



- 3) Remove the support - rear disc brake.

**NOTE:**

Remove the support - rear disc brake only when replacing the disc rotor or the support - rear disc brake. It is not necessary to remove it when servicing the caliper body assembly.

- (1) Remove the brake pad from support - rear disc brake.
- (2) Remove the mounting bolts, and then remove the support - rear disc brake from the housing assembly - rear axle.

## **B: INSTALLATION**

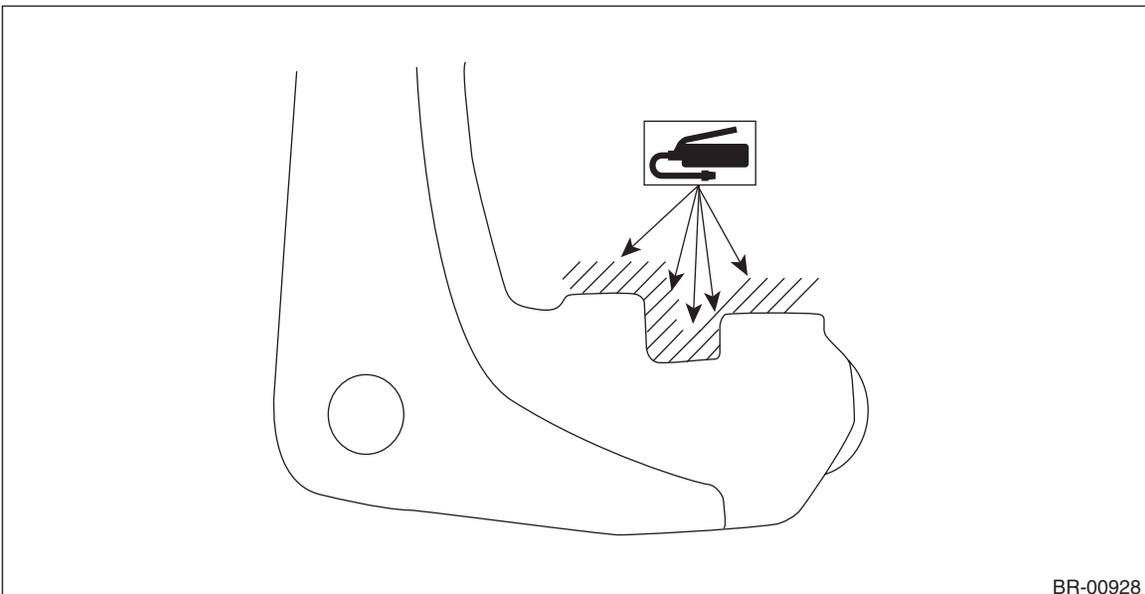
**NOTE:**

Before installation, remove mud and foreign matter from the caliper body assembly and support - rear disc brake.

- 1) Before installation, check each part. <Ref. to BR-43, INSPECTION, Rear Disc Brake Assembly.>
- 2) Apply a thin coat of grease included with pad kit to the support - rear disc brake.

**Grease:**

***Molykote M7439 (Part No. 003602001) or an item contained in the pad kit***



# Rear Disc Brake Assembly

## BRAKE

3) Install the support - rear disc brake to the housing assembly - rear axle.

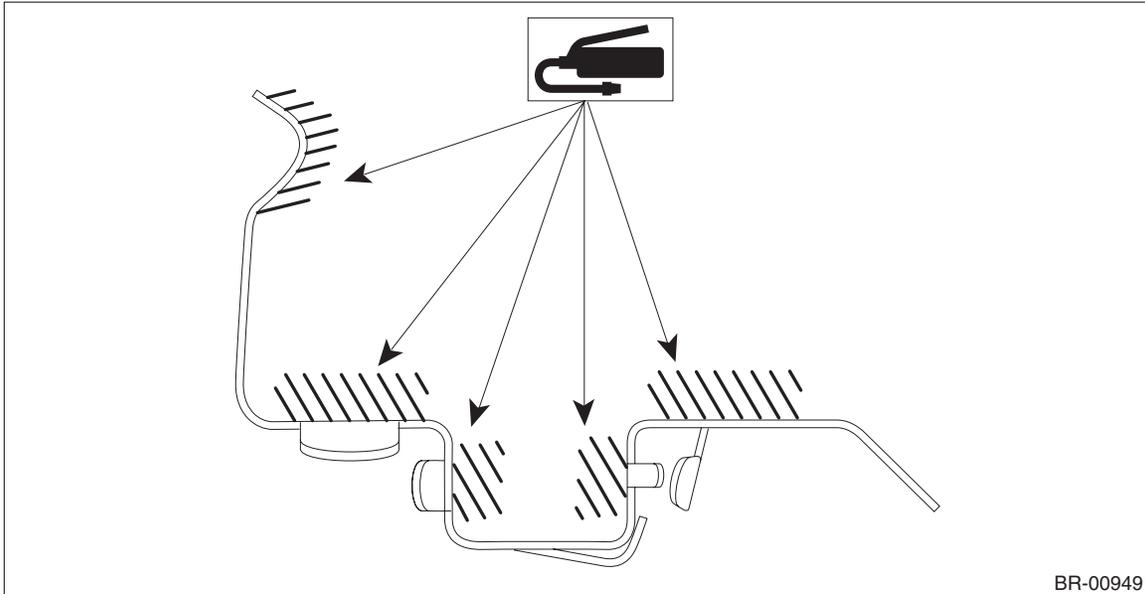
**Tightening torque:**

**Mounting bolt: 66 N·m (6.73 kgf·m, 48.7 ft·lb)**

4) Apply a thin coat of grease to the pad clip.

**Grease:**

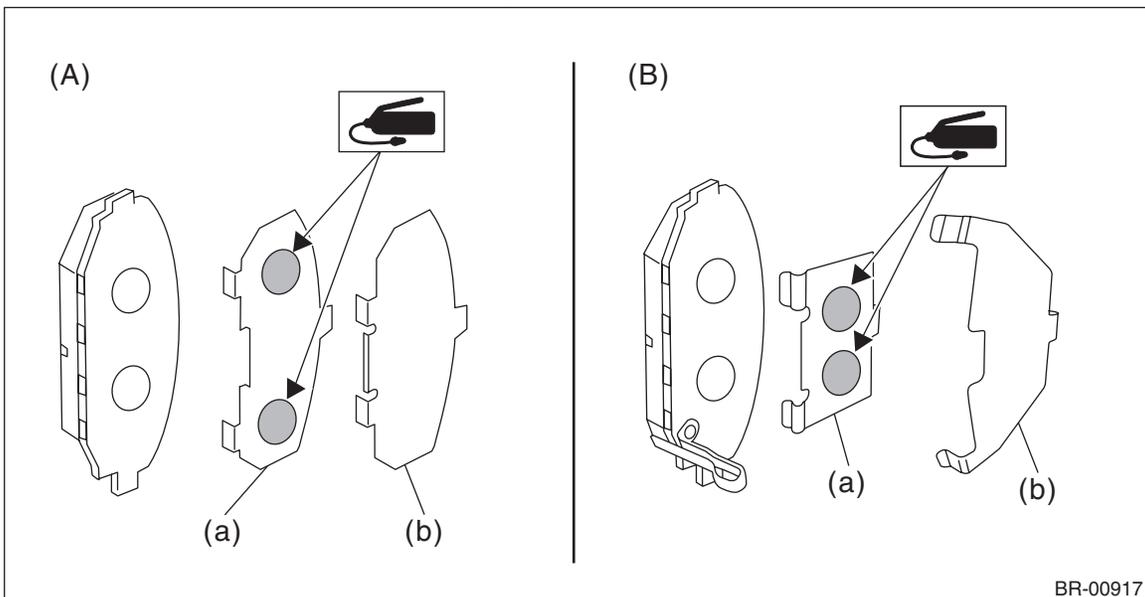
**Molykote M7439 (Part No. 003602001) or an item contained in the pad kit**



5) Apply a thin coat of grease to the shim - disc brake rear inner (a) and the shim - disc brake rear outer (b).

**Grease:**

**Grease contained in the pad kit or WAKO grease V160**



(A) Pad - disc brake rear outer

(B) Pad - disc brake rear inner

6) Install the brake pad to the support - rear disc brake.

7) Install the caliper body assembly to the support - rear disc brake.

**Tightening torque:**

**Caliper bolt: 27 N·m (2.75 kgf-m, 19.9 ft-lb)**

8) Install the brake hose bracket.

**Tightening torque:**

**Brake hose bracket: 33 N·m (3.36 kgf-m, 14.3 ft-lb)**

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

**Tightening torque:**

**Union bolt: 18 N·m (1.84 kgf-m, 13.3 ft-lb)**

10) Bleed air from the brake system. <Ref. to BR-60, BRAKE LINE, PROCEDURE, Air Bleeding.>

11) Install the rear wheels.

**Tightening torque:**

**120 N·m (12.24 kgf-m, 88.5 ft-lb)**

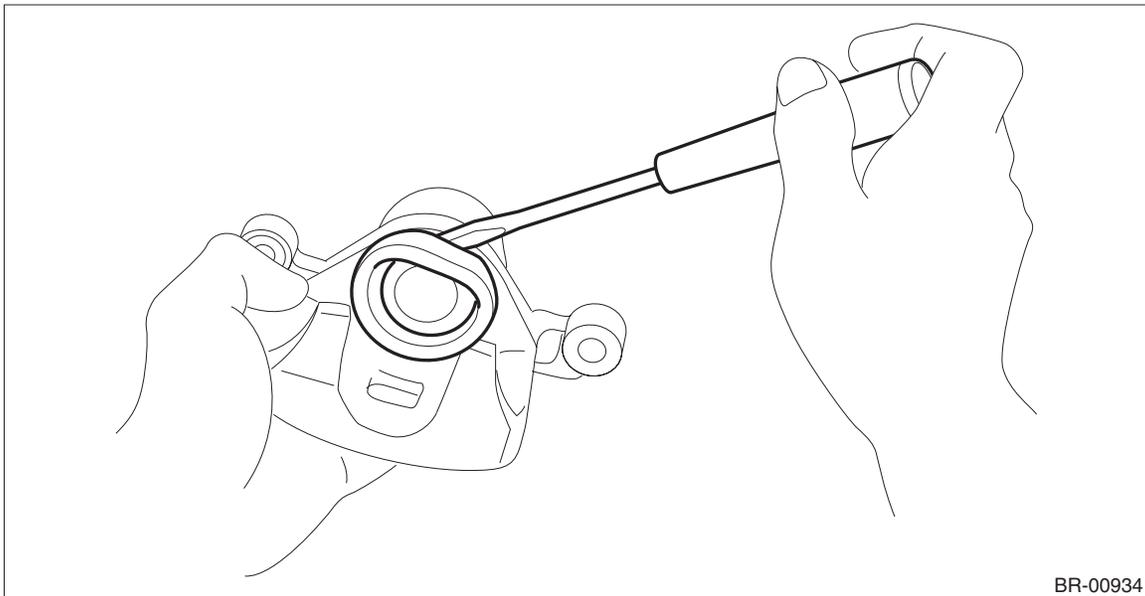
## C: DISASSEMBLY

**CAUTION:**

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

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

2) Remove the piston boot from caliper body cylinder.



BR-00934

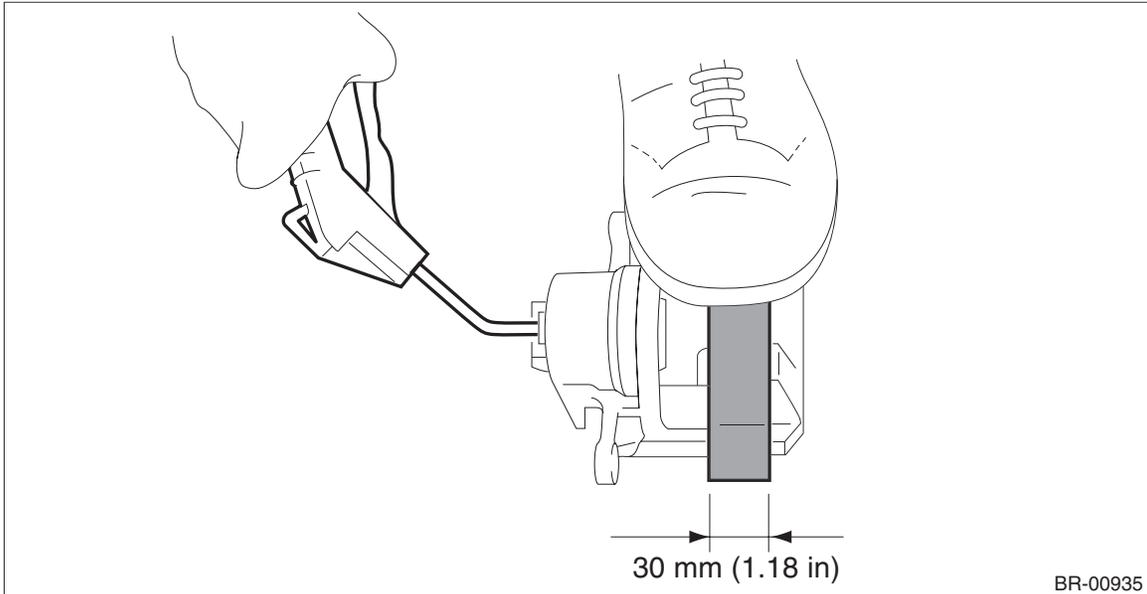
## Rear Disc Brake Assembly

### BRAKE

#### 3) Remove the piston - disc brake.

(1) Place a wooden block in the caliper body assembly as shown in the figure to prevent the piston - disc brake from jumping out and being damaged.

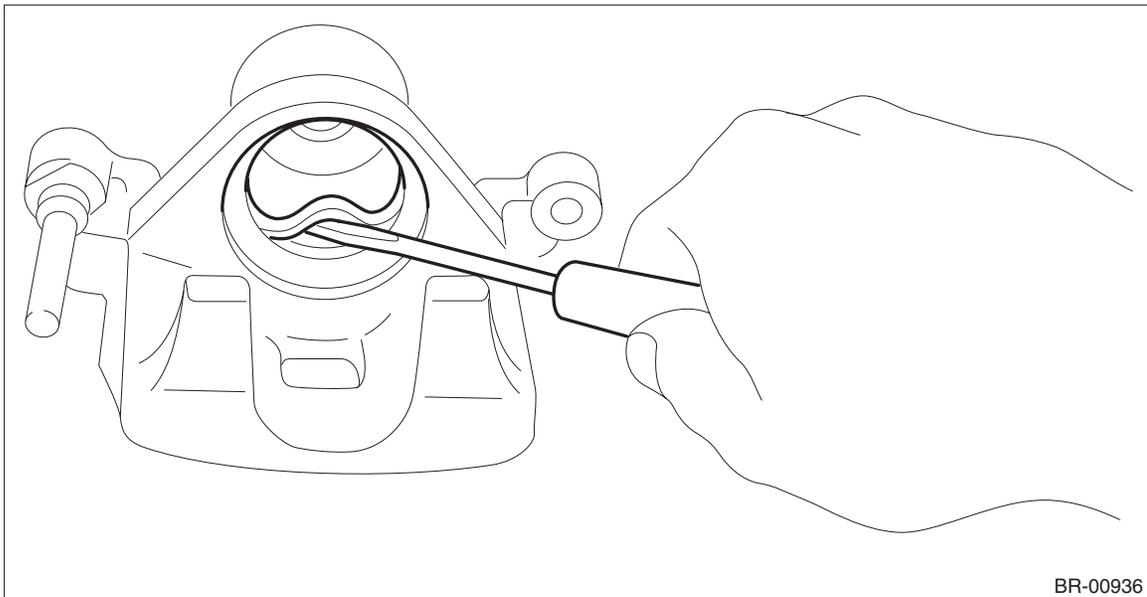
(2) Using an air gun, gradually apply compressed air via the brake hose installation hole to push out the piston - disc brake.



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

#### **CAUTION:**

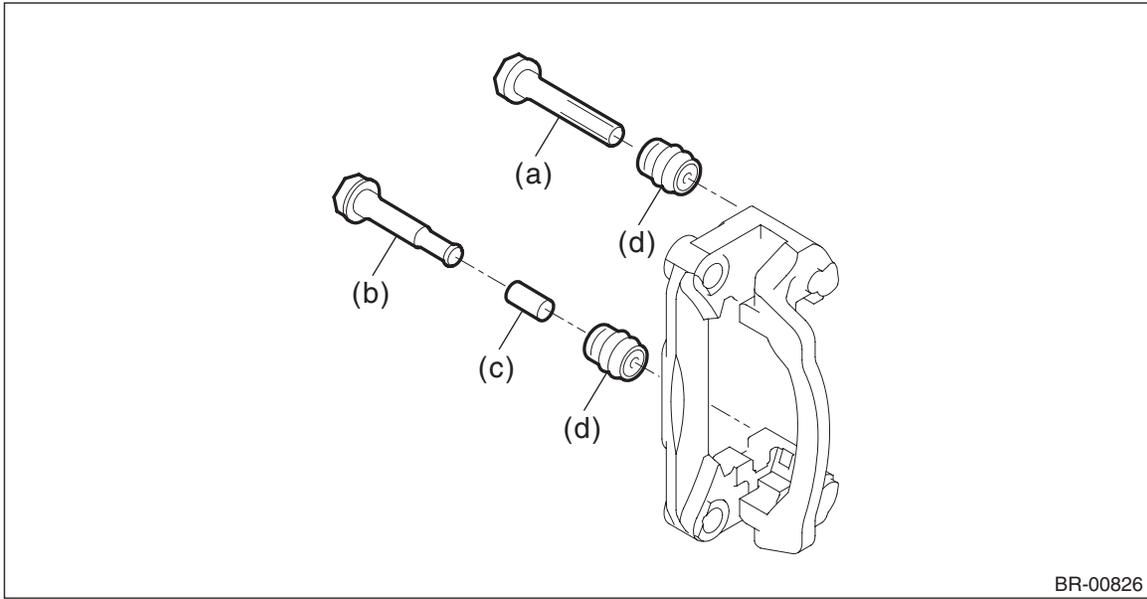
**Do not damage the cylinder and piston seal groove.**



# Rear Disc Brake Assembly

BRAKE

5) Remove the guide pin - front brake, lock pin - rear brake, lock pin - sleeve, and pin boot from the support - rear disc brake.



(a) Guide pin - front brake (black)  
(b) Lock pin - rear brake (silver)

(c) Lock pin - sleeve

(d) Pin boot

# Rear Disc Brake Assembly

## BRAKE

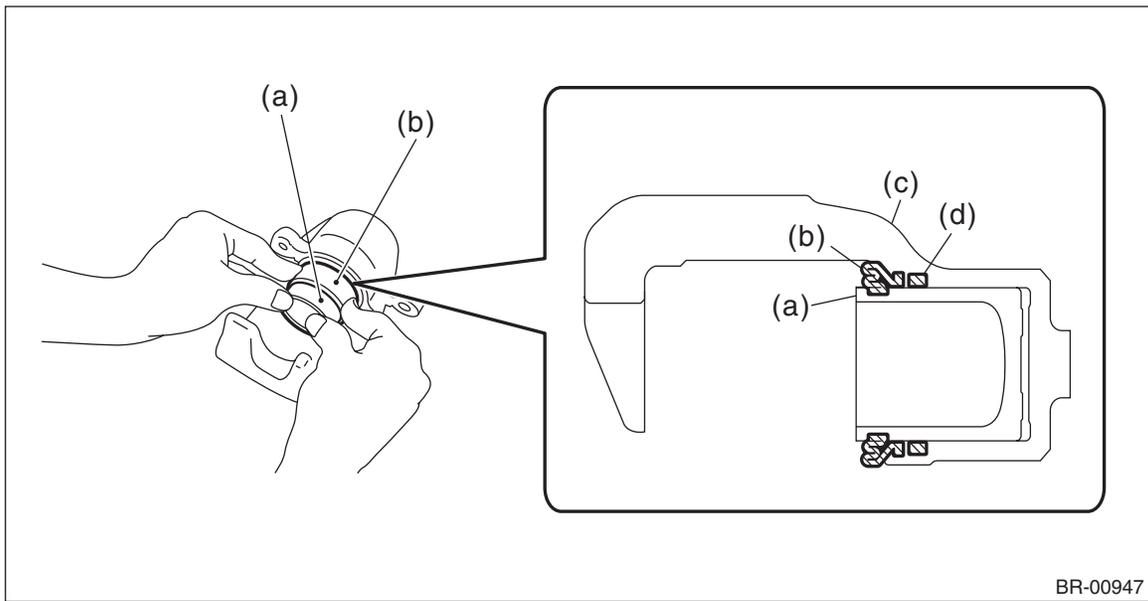
### D: ASSEMBLY

- 1) Before installation, check each part. <Ref. to BR-43, INSPECTION, Rear Disc Brake Assembly.>
- 2) Clean the inside of the caliper body cylinder using brake fluid.
- 3) Apply a coat of brake fluid to piston seal and install the piston seal to the caliper body cylinder groove.
- 4) Apply a coat of brake fluid to the inner surface of caliper body cylinder and the entire outer surface of the piston - disc brake.
- 5) Apply grease contained in the piston seal kit to the piston boot, and install it to the groove at the end of the cylinder.
- 6) Insert the piston - disc brake into the caliper body cylinder.

#### CAUTION:

**Do not force the piston - disc brake into the caliper body cylinder.**

- 7) Position the piston boot in the grooves on the piston - disc brake and the caliper body cylinder.



(a) Piston - disc brake

(c) Caliper body

(d) Piston seal

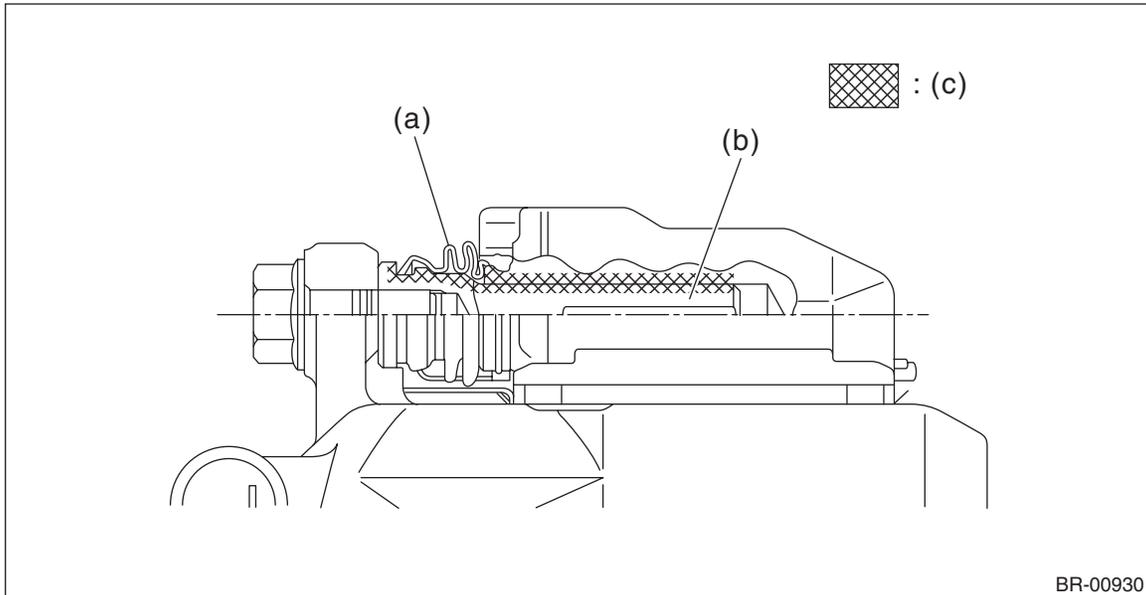
(b) Piston boot

- 8) Apply grease contained in the piston seal kit to the lock pin - rear brake, the outer surface of guide pin - front brake, the inner surface of support cylinder, and the grooves of pin boot.

9) Install the pin boot to the lock pin - rear brake and guide pin - front brake, and insert them into the support cylinder.

**CAUTION:**

Insert the lock pin - rear brake and guide pin - front brake into specified position, and make sure that they slide and seat properly.



(a) Pin boot

(b) Lock pin - rear brake or guide pin - rear brake

(c) Grease applied area

## E: INSPECTION

- 1) Check the caliper body cylinder and piston - disc brake for uneven wear, damage or rust.
- 2) Check the rubber parts for damage or deterioration.
- 3) If faulty is found in the inspection, replace the relevant part.