

Fig. 14-10 ① Cylinder gauge  
② Caliper cylinder

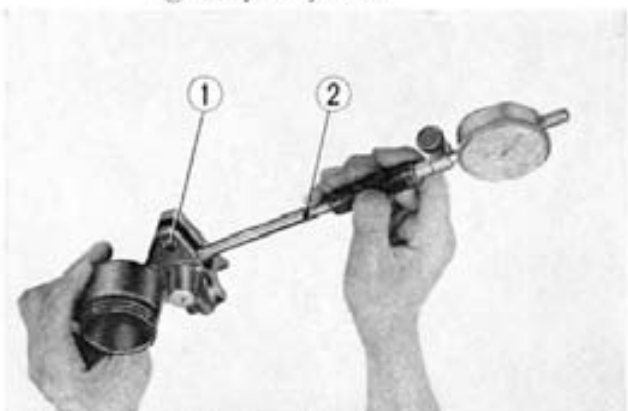


Fig. 14-11 ① Master cylinder dody  
② Inside dial gauge

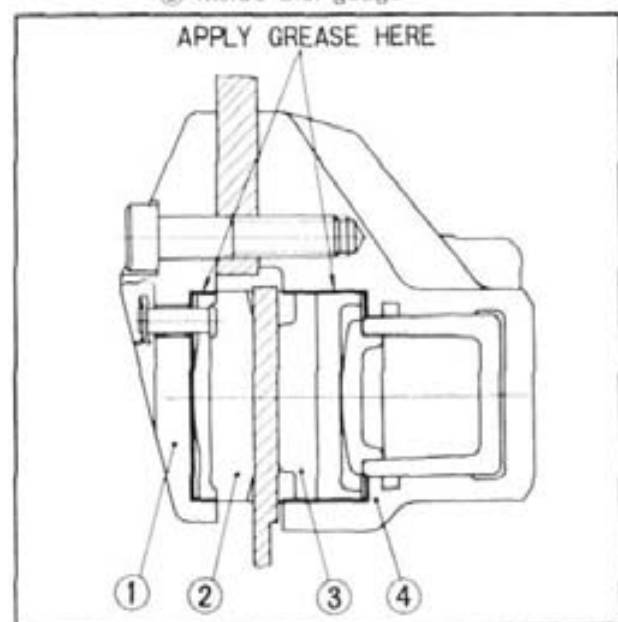


Fig. 14-12 ① Caliper B ③ Pad A  
② Pad A ④ Caliper B

should be replaced. (Fig. 14-10)

Inspecting item	Serviceable limit
Cylinder	Replace if beyond 1.504 in. (38.215 mm)
Piston	Replace if under 1.500 in. (38.105 mm)

#### 4. Master cylinder piston (Fig. 14-11)

Accurately measure the cylinder using an inside dial gauge, and the piston using a micrometer. If the clearance between the cylinder and piston is greater than **0.0045 in. (0.115 mm)**, the worn parts should be replaced.

Inspecting item	Serviceable limit
Master cylinder	Replace if beyond 0.553 in. (14.055 mm)
Master cylinder piston	Replace if under 0.549 in. (13.940 mm)

5. Check seal of the caliper piston and if found to be damaged, replace with a new part.
6. Check the oil hose for damage, if it is defective, replace it with new part.

#### d. Reassembly

1. Before mounting the pads A and B, apply a small amount of the specified grease (0.3~0.5 g) evenly on the caliper as shown in Fig. 14-12. When mounting the pads, take care not to smear the braking surface of the pad with grease. The applied grease serves to prevent dust and water from entering the pad sliding surface, as well to lubricate the sliding surface in order to ensure the smooth operation of the pads.

**Note:** Use silicon sealing grease (temperature range of  $-67\sim 392^{\circ}\text{F}$ ,  $-55\sim 200^{\circ}\text{C}$ ). Do not use molybdenum grease known as brake grease.

2. Mount the component parts into the caliper and assemble it on the front fork bottom case.

3. Install the front wheel (Refer to page 133~134).

#### 4. Bleeding the brake system

The brakes must be bled with great care subsequent to work performed on the brake system, when the lever becomes soft or spongy or when lever travel is excessive. This procedure is best performed by two mechanics.

- a. Remove the dust cap from the bleeder valve and attach bleeder hose. (Fig. 14-13)