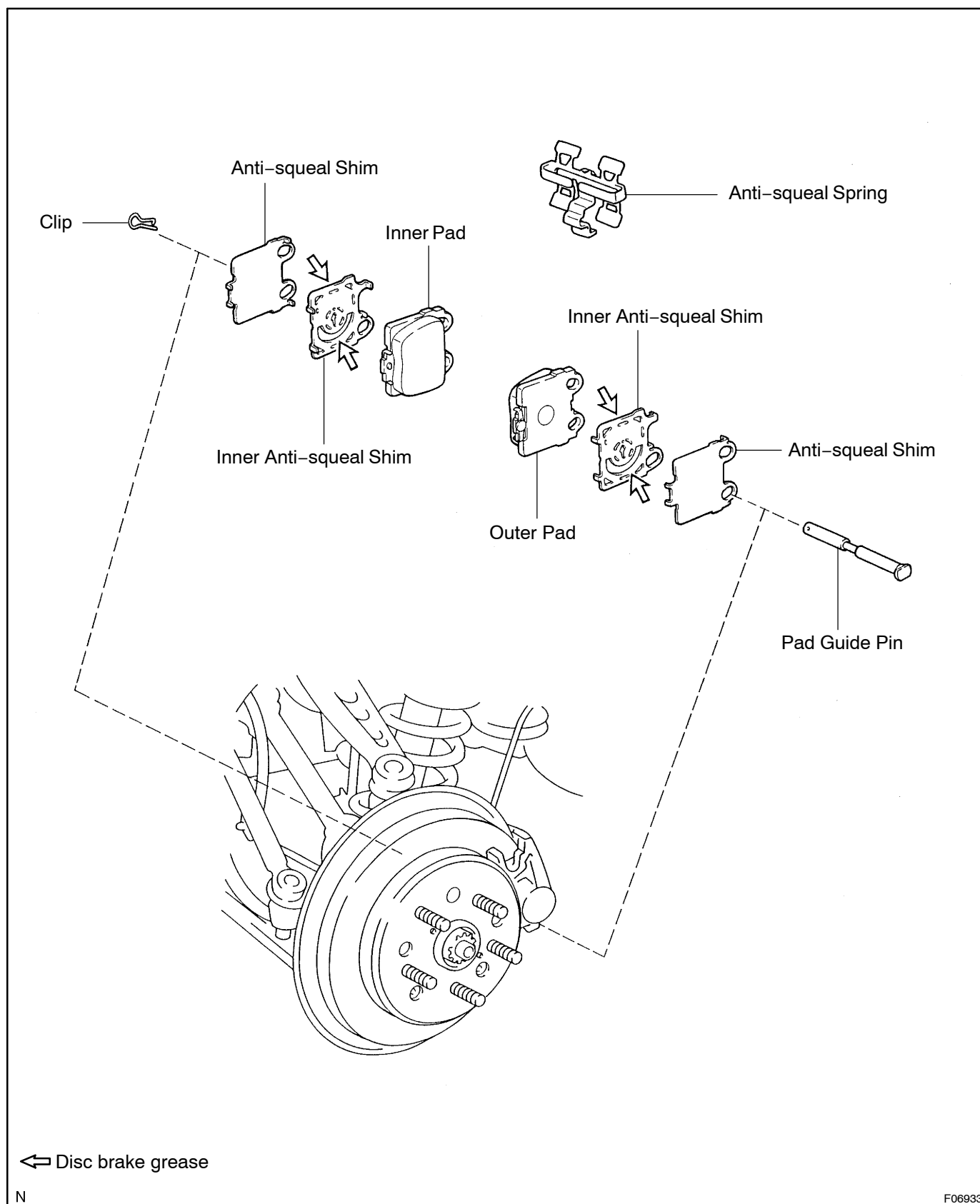


REAR BRAKE PAD COMPONENTS

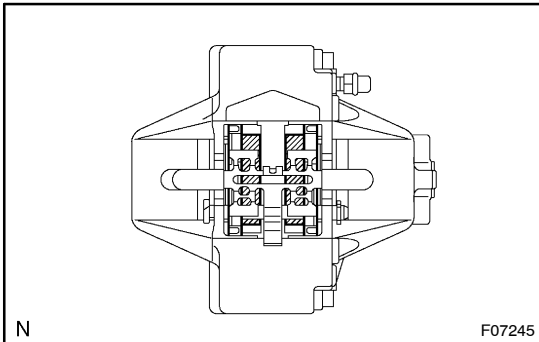
BR0JP-09



REPLACEMENT

1. REMOVE REAR WHEEL

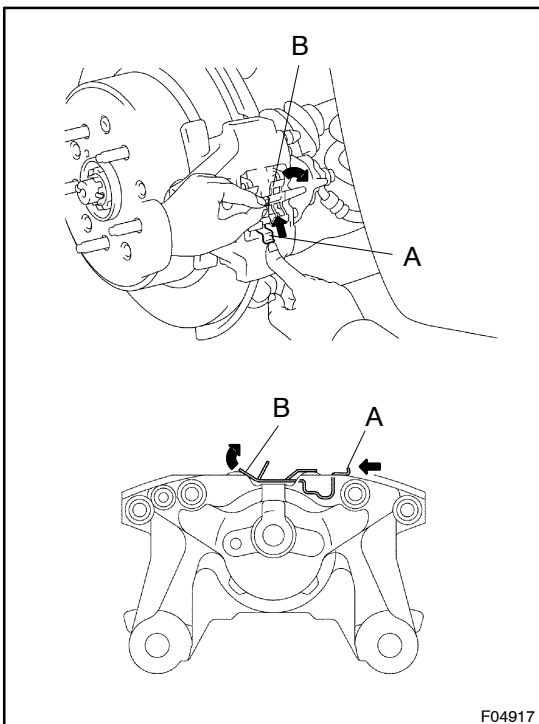
Remove the rear wheel and temporarily fasten the disc with the 3 hub nuts.



2. INSPECT PAD LINING THICKNESS

Check the pad thickness through the caliper inspection hole and replace pads if the thickness is not within the specification.

Minimum thickness: 1.0 mm (0.039 in.)



3. REMOVE ANTI-SQUEAL SPRING AND PAD GUIDE PIN

- Raise the "B" portion with hand, push up the "A" portion and disengage the anti-squeal spring from brake caliper.
- Remove the anti-squeal spring.

NOTICE:

- Do not deform the clip and anti-squeal spring.
- The clip and anti-squeal spring can be used again provided that they have sufficient rebound, no deformation, cracks or wear, and have had all rust, dirt and foreign particles cleaned off.

- Remove the clip and pad guide pin.

4. REMOVE PADS AND ANTI-SQUEAL SHIMS

- Remove the 2 pads.
- Remove the 4 anti-squeal shims from each pad.

5. CHECK DISC THICKNESS AND RUNOUT

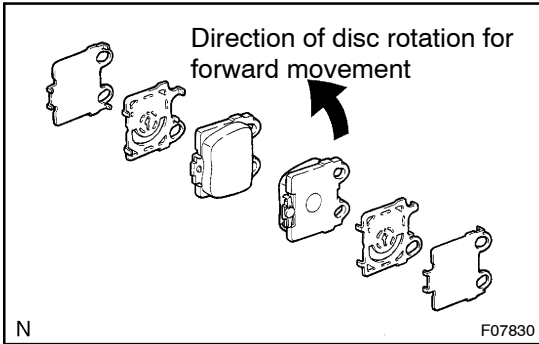
(See page BR-7)

6. INSTALL NEW PADS

NOTICE:

When replacing worn pads, the anti-squeal shims must be replaced together with the pads.

- Apply disc brake grease to both sides of inner anti-squeal shims (See page BR-1).

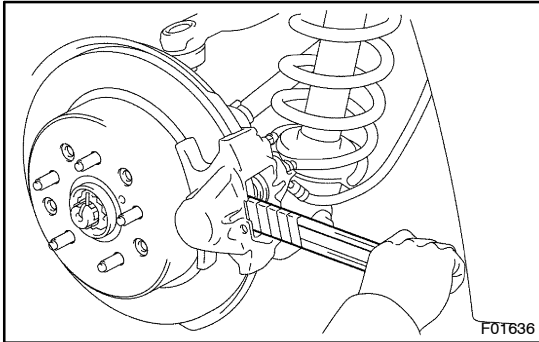


- (b) Install the 2 anti-squeal shims on each pad.

HINT:

Make sure the arrows on the inner anti-squeal shims facing to the direction of disc rotation as shown in the illustration.

- (c) Draw out a small amount of brake fluid from the reservoir.



- (d) Press in the pistons with a monkey wrench handle or equivalent.

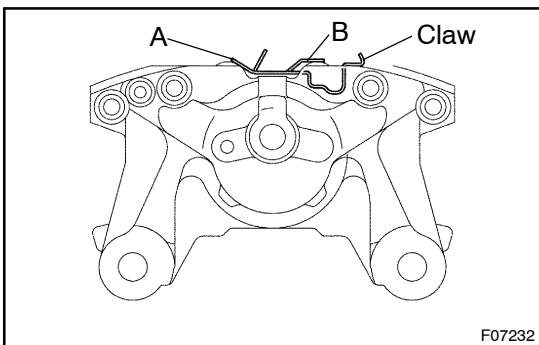
HINT:

- Tape the monkey wrench handle before use.
- If the piston is difficult to push in, loosen the bleeder plug and push in the piston while letting some brake fluid escape.

- (e) Install the 2 pads.

7. INSTALL PAD GUIDE PIN AND ANTI-SQUEAL SPRING

- (a) Install the pad guide pin and clip.



- (b) Install the anti-squeal spring.

HINT:

- Ensure that the claw of the anti-squeal spring is raised up on the caliper securely.
- Ensure that there is no gap between the pad guide pin and anti-squeal spring.
- Ensure that "A" and "B" portions of anti-squeal spring are attached to the pad.

8. INSTALL REAR WHEEL

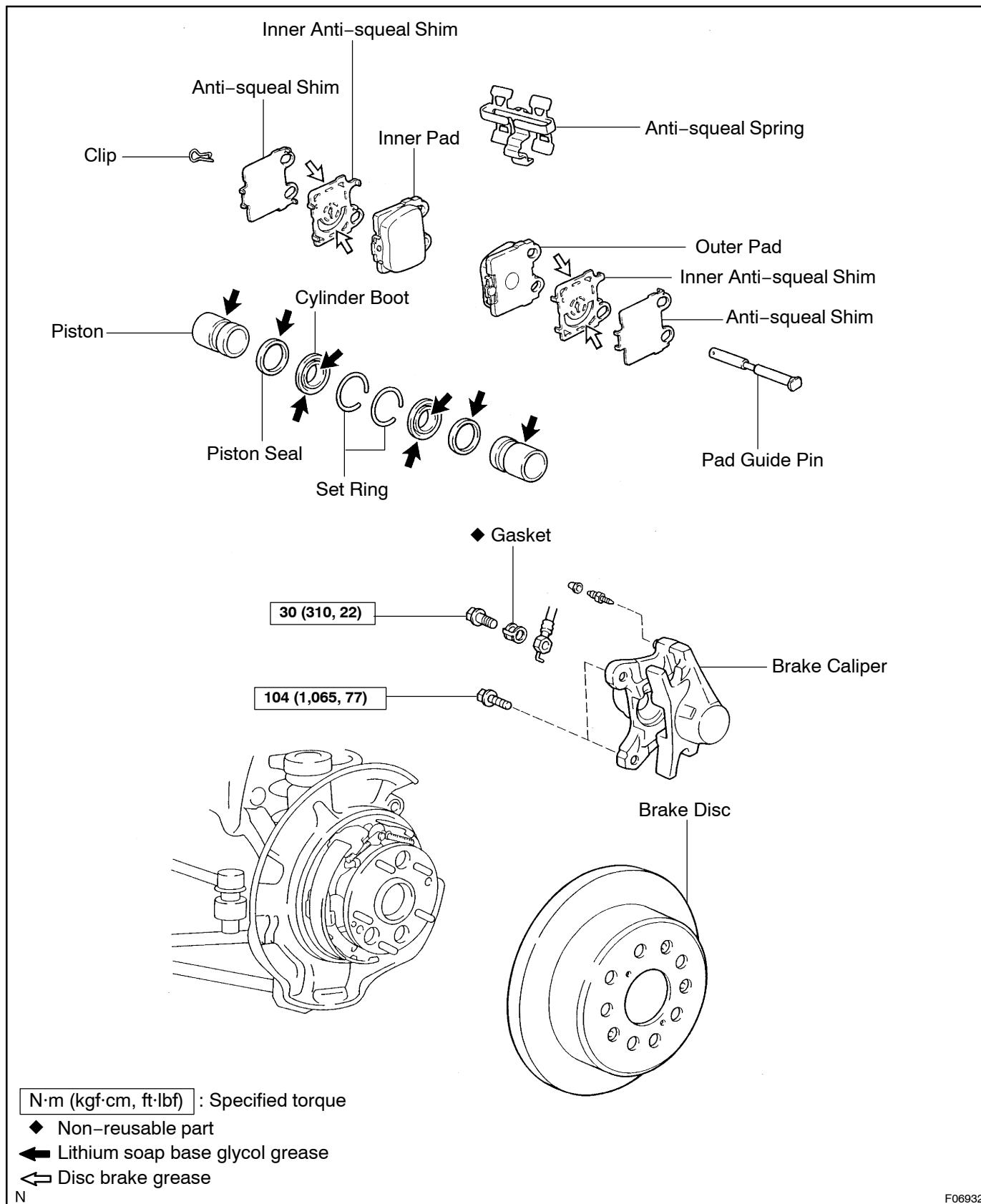
Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)

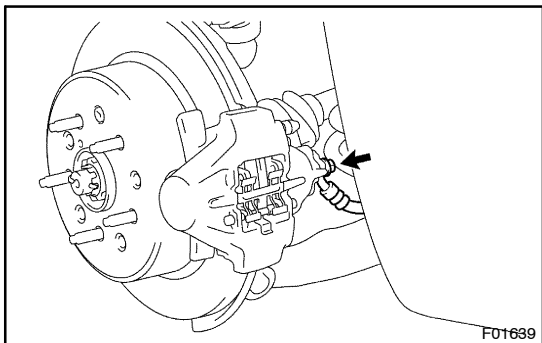
9. DEPRESS BRAKE PEDAL SEVERAL TIMES

10. CHECK THAT FLUID LEVEL IS AT MAX LINE

REAR BRAKE CALIPER COMPONENTS

BR0JR-08





REMOVAL

1. REMOVE REAR WHEEL

Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)

2. DISCONNECT FLEXIBLE HOSE

Remove the union bolt and gasket from the caliper, then disconnect the flexible hose from the caliper. Use a container to catch brake fluid as it drains out.

Torque: 30 N·m (310 kgf·cm, 22 ft·lbf)

HINT:

At the time of installation, please refer to the following item. Install the flexible hose lock securely in the lock hole in the caliper.

3. REMOVE CALIPER

(a) Remove the 2 installation bolts.

Torque: 104 N·m (1,065 kgf·cm, 77 ft·lbf)

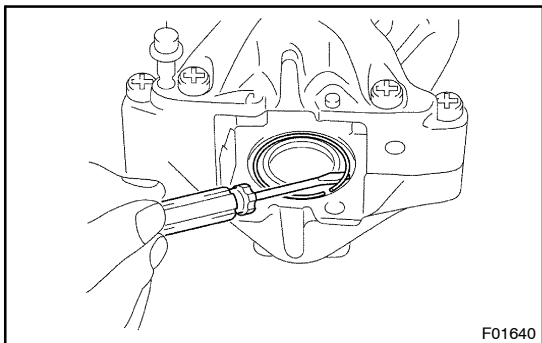
(b) Remove the caliper.

4. REMOVE BRAKE PADS (See page BR-2)

(a) Remove the anti-squeal spring.

(b) Remove the clip and pad guide pin.

(c) Remove the 2 pads with the 4 anti-squeal shims.

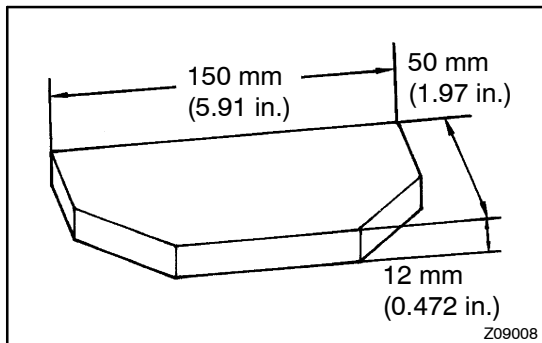


F01640

DISASSEMBLY

1. REMOVE SET RINGS AND BOOTS

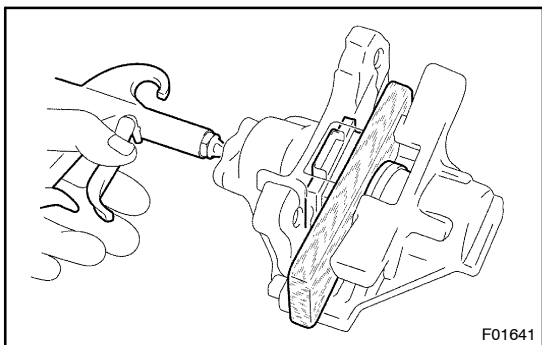
Using a screwdriver, remove the 2 set rings and 2 boots.



Z09008

2. REMOVE PISTONS FROM CYLINDER

(a) Prepare a wooden plate to hold the pistons.



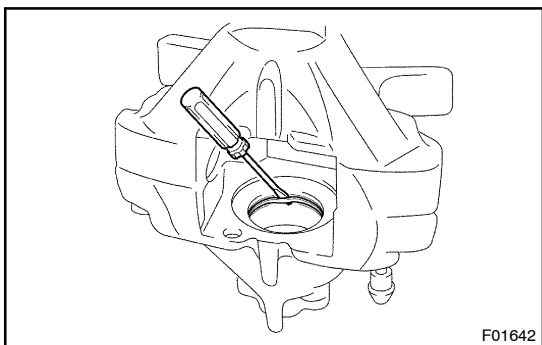
F01641

(b) Place the plate between the pistons and insert a pad on one side.

(c) Use compressed air to remove the pistons alternately from the caliper.

CAUTION:

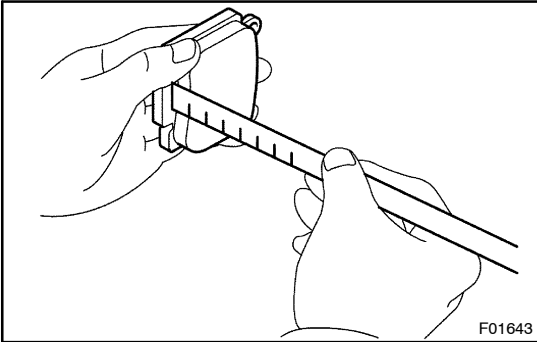
Do not place your fingers in front of the piston when using compressed air.



F01642

3. REMOVE PISTON SEALS

Using a screwdriver, remove the 2 piston seals from the caliper.



F01643

INSPECTION

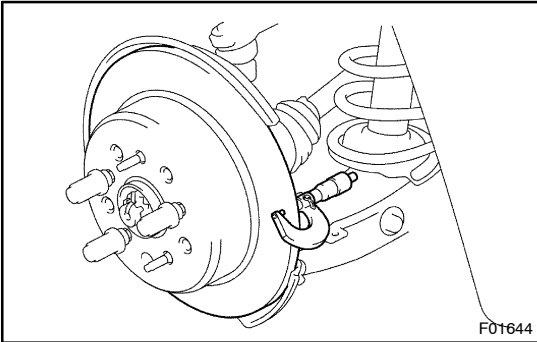
1. MEASURE PAD LINING THICKNESS

Using a ruler, measure the pad lining thickness.

Standard thickness: 10.5 mm (0.413 in.)

Minimum thickness: 1.0 mm (0.039 in.)

Replace the pads if the thickness is less than the minimum or if it shows signs of uneven wear.



F01644

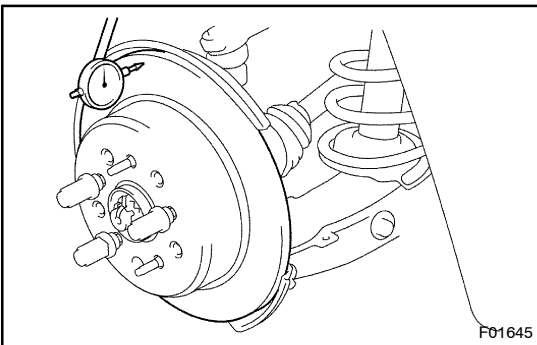
2. MEASURE DISC THICKNESS

Using a micrometer, measure the disc thickness.

Standard thickness: 12.0 mm (0.472 in.)

Minimum thickness: 10.5 mm (0.413 in.)

Replace the disc if the thickness of the disc is at the minimum thickness or less. Replace the disc or grind it on a lathe if it is badly scored or worn unevenly.



F01645

3. MEASURE DISC RUNOUT

Using a dial indicator, measure the disc runout at a position 10 mm (0.394 in.) away from the out side edge.

Maximum disc runout: 0.05 mm (0.0020 in.)

If the disc's runout is maximum value or greater, check the bearing play in the axial direction and check the axle hub runout (See Pub. No. RM588E on page SA-44). If the bearing play and axle hub runout are not abnormal, adjust the disc runout or grind it on a "On-Car" brake lathe.

4. IF NECESSARY, ADJUST DISC RUNOUT

- (a) Remove the 3 hub nuts and disc. Turn the disc 1/5 and reinstall the disc. Install and torque the 3 hub nuts.
Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)
- (b) Remeasure the disc runout. Make a note of the runout and the disc's position on the hub.
- (c) Repeat (b) until the disc has been installed on the 3 remaining hub positions.
- (d) If the minimum runout recorded in (b) and (c) is less than 0.05 mm (0.0020 in.), install the disc in that position.
- (e) If the minimum runout recorded in (b) and (c) is greater than 0.05 mm (0.0020 in.), replace the disc and repeat step 3.

REASSEMBLY

Reassembly is in the reverse order of disassembly (See page BR-6).

HINT:

Apply lithium soap base glycol grease to the parts indicated by the arrows (See page BR-4).

INSTALLATION

Installation is in the reverse order of removal (See page BR-5).

HINT:

- After installation, fill the brake reservoir with brake fluid and bleed brake system (See Pub. No. RM588E on page BR-4).
- Check for leaks.