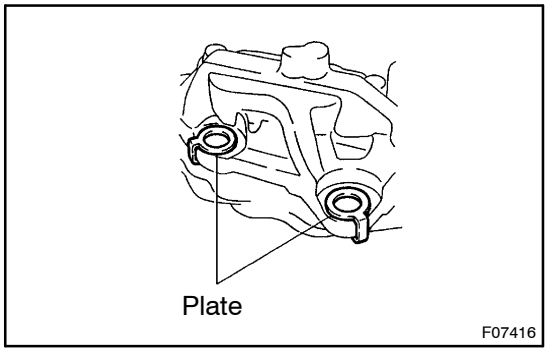
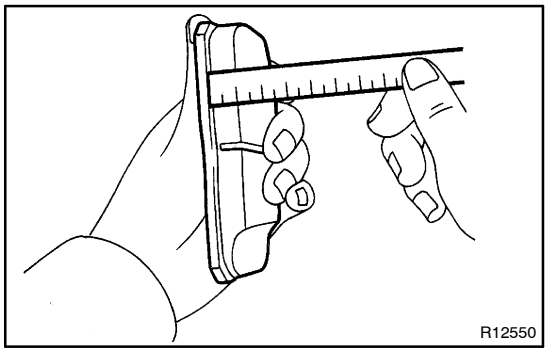
BR0CJ–02

INSPECTION



1. INSPECT 2 PLATES

The plates are non–reusable part, replace the caliper if it is cracked or deformed, or if it come off.



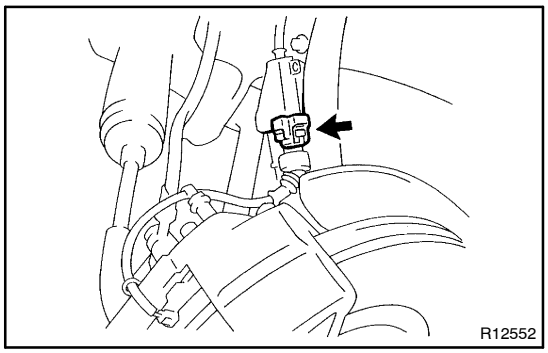
2. MEASURE PAD LINING THICKNESS

Using a ruler, measure the pad lining thickness.

Standard thickness: 12.0 mm (0.472 in.)

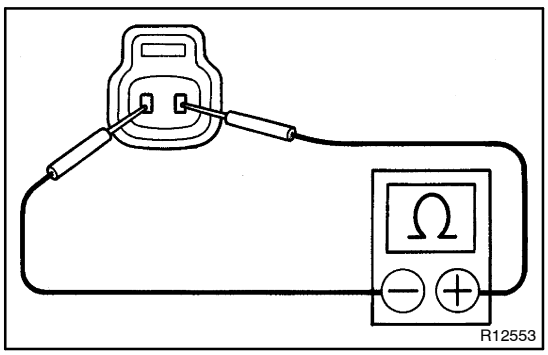
Minimum thickness: 1.0 mm (0.039 in.)

Replace the pad if the pad's thickness is at the minimum or less, or if the pad has severe, uneven wear.



3. RIGHT WHEEL:
INSPECT PAD WEAR INDICATOR

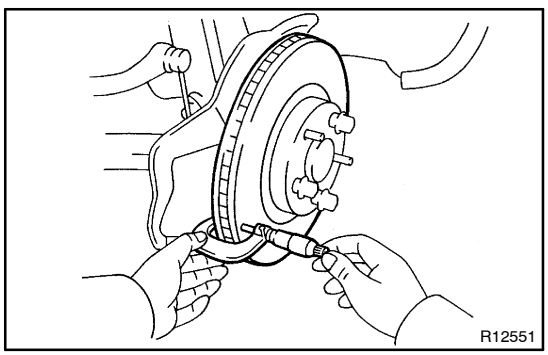
(a) Disconnect the pad wear indicator connector from the speed sensor wire harness.



(b) Check that continuity exits of pad wear indicator connector.

If no continuity exists, replace the pad wear indicator.

(c) Connect the connector to the speed sensor wire harness until the clicking sound can be heard.



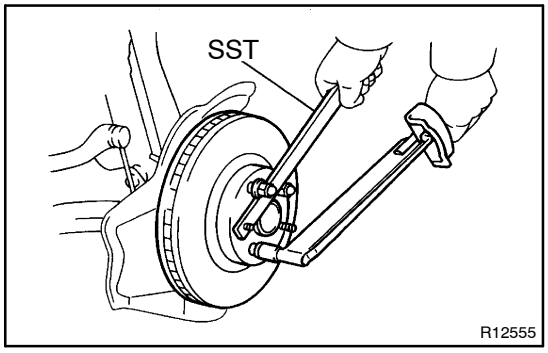
4. MEASURE DISC THICKNESS

Using a micrometer, measure the disc thickness.

Standard thickness: 28.0 mm (1.102 in.)

Minimum thickness: 26.0 mm (1.024 in.)

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



5. MEASURE DISC RUNOUT

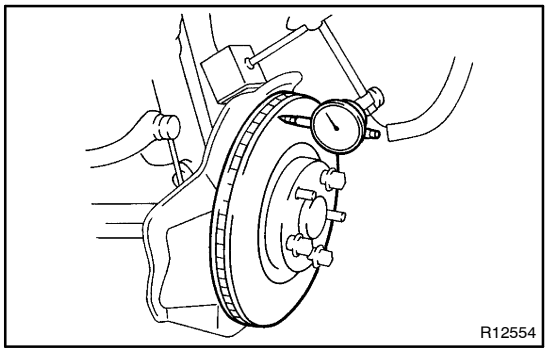
(a) Tighten the disc with the 3 hub nuts.

HINT:

Using SST to hold the disc during measurement.

SST 09330–00021

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



(b) Using a dial indicator, measure the disc runout at a position 10 mm (0.39 in.) from the outside edge.

Maximum disc runout: 0.02 mm (0.0079 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 page SA–13). If the bearing play and axle hub runout are not abnormal, adjust the disc runout or grind it on a "On–Car" brake lathe.

6. IF NECESSARY, ADJUST DISC RUNOUT

(a) Remove the 3 hub nuts, 2 screws and disc. Reinstall the disc 1/5 of a turn round from its original position on the hub. Install and torque the 3 hub nuts.

Remeasure the disc runout. Make a note of the runout and the disc's position on the hub.

HINT:

Use SST to hold the disc during loosening/torquing the hub nuts.

SST 09330–00021

Torque:

Hub nut 103 N·m (1,050 kgf·cm, 76 ft·lbf)

Screw 5.4 N·m (55 kgf·cm, 48 in.·lbf)

(b) Repeat (a) until the disc has been installed on the 3 remaining hub position.

- If the minimum runout recorded in (a) and (b) is less than 0.05 mm (0.0020 in.), install the disc in that position.
- If the minimum runout recorded in (a) and (b) is greater than 0.05 mm (0.0020 in.), replace the disc and repeat step 5.