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Model Year: 2010	Model: Prius	Doc ID: RM000000ORN026X
Title: BRAKE (FRONT): FRONT BRAKE: INSPECTION (2010 Prius)		

INSPECTION

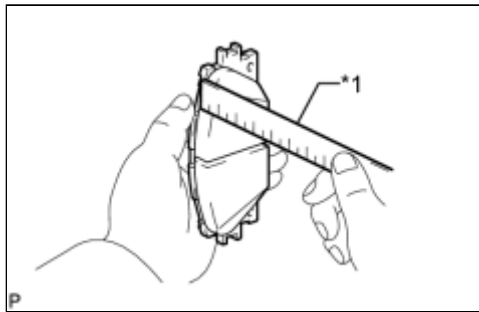
1. INSPECT BRAKE CYLINDER AND PISTON

- (a) Check the cylinder bore and piston for rust and scoring. If necessary, replace the disc brake cylinder and piston.

2. INSPECT PAD LINING THICKNESS

- (a) Using a ruler, measure the pad lining thickness.

Text in Illustration



*1	Ruler
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Standard thickness:
10.0 mm (0.394 in.)
Minimum thickness:
1.0 mm (0.0394 in.)

If the pad lining thickness is less than the minimum thickness, replace the disc brake pads.

HINT:

Be sure to check the wear of the front disc after replacing the brake pads with new ones.

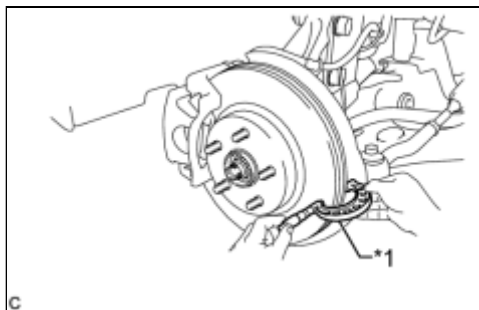
3. INSPECT FRONT DISC BRAKE PAD SUPPORT PLATE

- (a) Make sure that the front disc brake pad support plates have sufficient rebound, no deformation, cracks or wear, and that all rust and dirt are cleaned off. If necessary, replace the front disc brake pad support plates.

4. INSPECT DISC THICKNESS

- (a) Using a micrometer, measure the disc thickness.

Text in Illustration



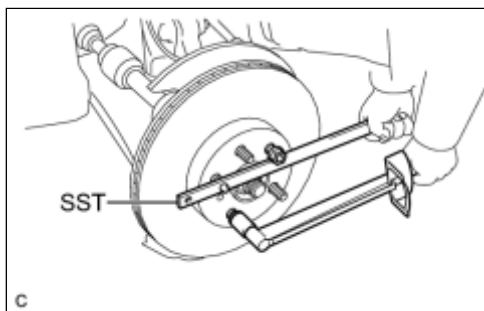
*1	Micrometer
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Standard thickness:
25.0 mm (0.984 in.)
Minimum thickness:
22.0 mm (0.866 in.)

If the disc thickness is less than the minimum, replace the front disc.

5. INSPECT DISC RUNOUT

(a) Inspect the front axle hub bearing looseness and front axle hub runout INFO .



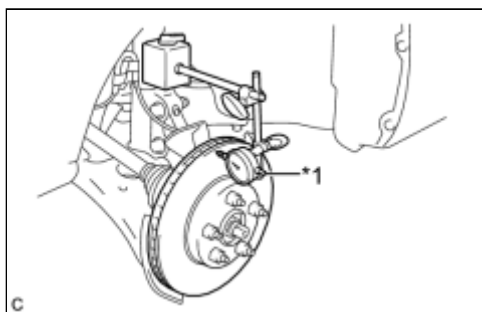
(b) Using SST to hold the disc, tighten the disc with the 5 nuts.

SST: 09330-00021

Torque: 103 N·m (1050 kgf·cm, 76ft·lbf)

(c) Using a dial indicator, measure the disc runout 10 mm (0.394 in.) away from the outer edge of the front disc.

Text in Illustration



*1	Dial Indicator
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Maximum disc runout:
0.05 mm (0.00197 in.)

NOTICE:

Keep the magnet of the dial indicator away from the axle hub and speed sensor.

If the runout exceeds the maximum value, change the installation position of the disc to minimize the runout. If the runout exceeds the maximum even when the installation position is changed, grind the disc. If the disc thickness is less than the minimum, replace the front disc.

(d) Remove the 5 nuts and front disc.

