

Last Modified: 5-3-2010	6.4 G	From: 200904
Model Year: 2010	Model: Prius	Doc ID: RM000001E9L01MX
Title: BRAKE (REAR): REAR BRAKE: INSPECTION (2010 Prius)		

INSPECTION

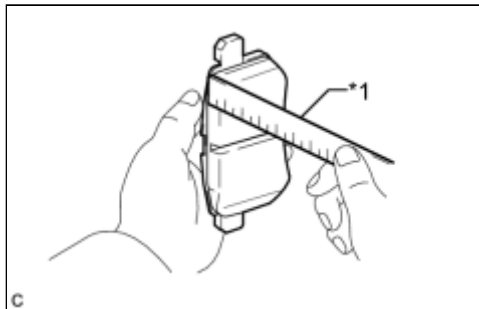
1. INSPECT BRAKE CYLINDER AND PISTON

- (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:

9.5 mm (0.374 in.)

Minimum thickness:

1.0 mm (0.0394 in.)

If the pad lining thickness is equal to the minimum thickness or less, replace the brake pads with a disc brake pad kit.

HINT:

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

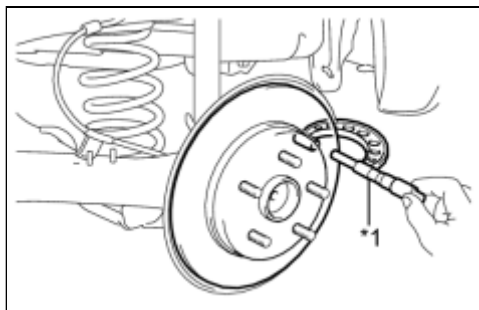
3. INSPECT REAR DISC BRAKE PAD SUPPORT PLATE

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

9.0 mm (0.354 in.)

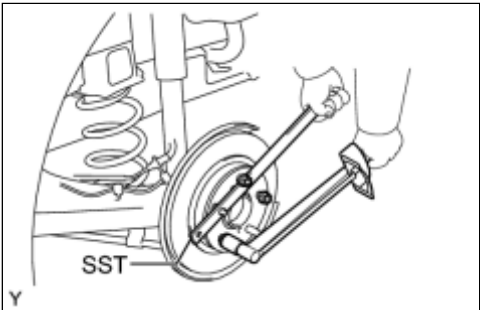
Minimum thickness:

7.5 mm (0.295 in.)

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

5. INSPECT DISC RUNOUT

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

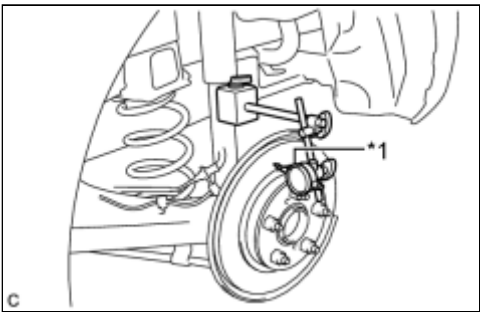


(b) While holding the disc using SST, tighten the disc with the 5 hub nuts.

SST: 09330-00021
Torque: 103 N·m (1050 kgf·cm, 76ft·lbf)

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

Text in Illustration



*1	Dial Indicator
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Maximum disc runout:
0.15 mm (0.00591 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 rear disc.

(d) Remove the 5 nuts and rear disc.

