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Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [03/2023 -]
Title: BRAKE (FRONT): FRONT BRAKE: INSPECTION; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

INSPECTION

PROCEDURE

1. INSPECT BRAKE CYLINDER AND PISTON

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

2. INSPECT PAD LINING THICKNESS

(a) Using a ruler, measure the front disc brake pad lining thickness.

Standard Thickness:

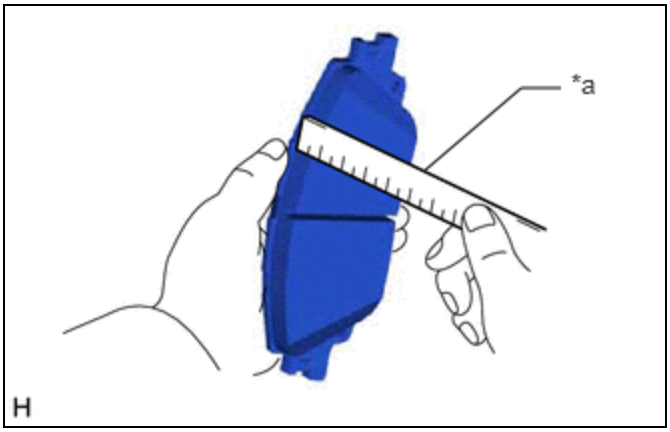
11.0 mm (0.433 in.)

Minimum Thickness:

1.5 mm (0.0591 in.)

Front Disc Brake Pad Lining Thickness:

SPECIFIED CONDITION	RESULT
1.5 mm or higher 0.0591 in. or higher	mm in.



*a	Ruler

HINT:

Be sure to check the front disc thickness when replacing the front disc brake pads with new ones.

(b) If a front disc brake pad lining thickness is less than the minimum thickness, replace the front disc brake pads.

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 is cleaned off. If necessary, replace the front disc brake pad support plates.

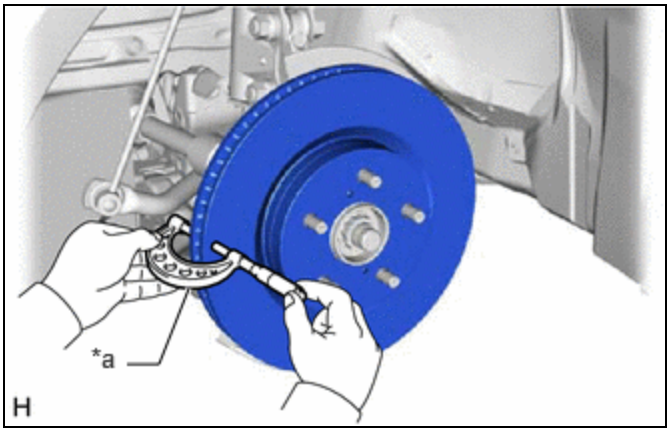
4. INSPECT DISC THICKNESS

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

-	STANDARD THICKNESS	MINIMUM THICKNESS
for HEV Model AWD, PHEV Model	28.0 mm (1.102 in.)	25.0 mm (0.984 in.)
for HEV Model 2WD	22.0 mm (0.866 in.)	19.0 mm (0.748 in.)

Front Disc Thickness:

-	SPECIFIED CONDITION	RESULT
for HEV Model AWD	25.0 mm or higher 0.984 in. or higher	mm in.
for PHEV Model	25.0 mm or higher 0.984 in. or higher	mm in.
for HEV Model 2WD	19.0 mm or higher 0.748 in. or higher	mm in.



*a	Micrometer

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

5. INSPECT DISC RUNOUT

Pre-procedure1

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

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(b) Temporarily install the front disc with the 5 hub nuts.

Torque:

103 N·m {1050 kgf·cm, 76 ft·lbf}

Procedure1

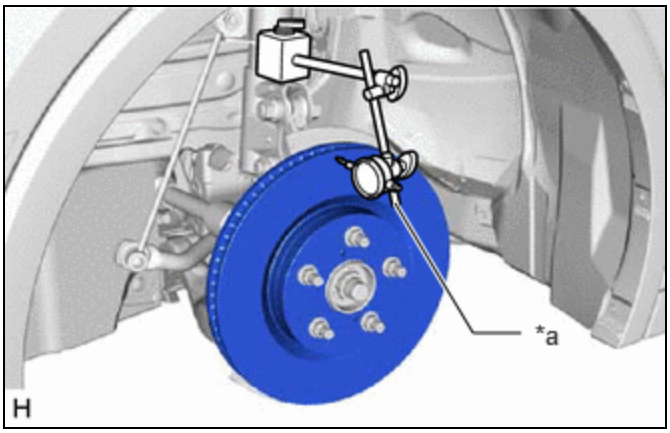
(c) Using a dial indicator with magnetic base, measure the disc runout 10 mm (0.394 in.) from the outer edge of the front disc.

Maximum Disc Runout:

0.05 mm (0.00196 in.)

Front Disc Runout:

SPECIFIED CONDITION	RESULT
0.05 mm or less 0.00196 in. or less	mm in.



*a	Dial Indicator with Magnetic Base

NOTICE:

- Keep the magnet of the dial indicator away from the front speed sensor.
- If the runout exceeds the maximum value, change the installation position of the front disc to minimize the runout. If the runout exceeds the maximum even when the installation position is changed, grind the front disc. If the front disc thickness is less than the minimum, replace the front disc.

Post-procedure1

(d) Remove the 5 hub nuts and front disc.