

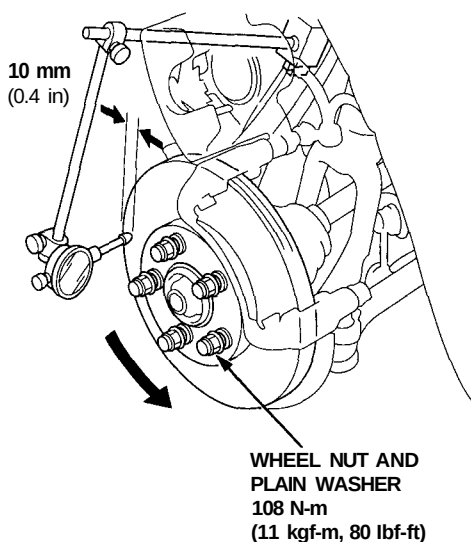
Front Brake Disc

Disc Runout Inspection

1. Loosen the front wheel nuts slightly, then raise the vehicle, and make sure it is securely supported. Remove the front wheels.
2. Remove the brake pads (see page 19-10).
3. Inspect the disc surface for damage and cracks. Clean the disc thoroughly, and remove all rust.
4. Use wheel nuts and suitable plain washers to hold the disc securely against the hub, then mount a dial indicator as shown, and measure the runout at 10 mm (0.4 in) from the outer edge of the disc.

Brake Disc Runout:

Service Limit: 0.10 mm (0.004 in)



5. If the disc is beyond the service limit, refinish the brake disc with an on-car brake lathe. The Kwik-Lathe produced by Kwik-way Manufacturing Co. and the "Front Brake Disc Lathe" offered by Snap-on Tools Co. are approved for this operation.

Max. Refinish Limit:

'96 - '98 models:

21.0 mm (0.83 in)

'99 - '01 models:

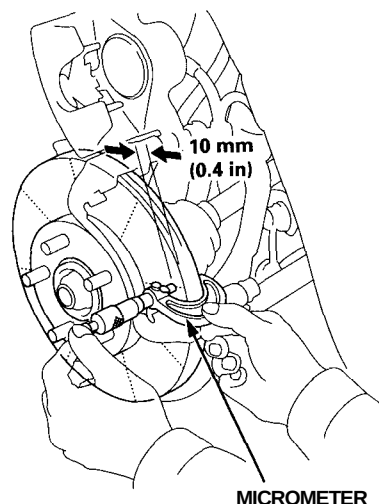
26.0 mm (1.02 in)

'02 - '04 models: See specifications on page 2-9

NOTE: A new disc should be refinished if its runout is greater than 0.10 mm (0.004 in)

Disc Thickness and Parallelism Inspection

1. Loosen the front wheel nuts slightly, then raise the vehicle, and make sure it is securely supported. Remove the front wheels.
2. Remove the brake pads (see page 19-10).
3. Using a micrometer, measure disc thickness at eight points, approximately 45° apart and 10 mm (0.4 in) in from the outer edge of the disc.



Brake Disc Thickness:

'96 - '98 models:

Standard: 22.9 - 23.1 mm (0.90 - 0.91 in)

Max. Refinishing Limit: 21.0 mm (0.83 in)

'99 - '01 models:

Standard: 27.9 - 28.1 mm (1.10 - 1.11 in)

Max. Refinishing Limit: 26.0 mm (1.02 in)

'02 - '04 models: See specifications on page 2-9

NOTE: Replace the brake disc if the smallest measurement is less than the max. refinishing limit.

Brake Disc Parallelism: 0.015 mm (0.0006 in) max.

NOTE: This is the maximum allowable difference between the thickness measurements.

4. If the disc is beyond the service limit for parallelism, refinish the brake disc with an on-car brake lathe. The Kwik-Lathe produced by Kwik-Way Manufacturing Co. and the "Front Brake Disc Lathe" offered by Snap-on Tools Co. are approved for this operation.

NOTE: See [section 18](#) for brake disc replacement.