

Wheel Measurements

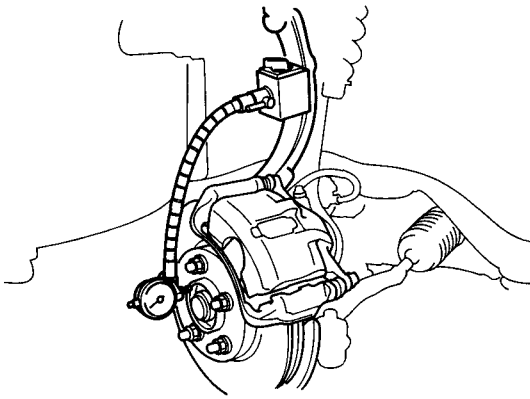


Bearing End Play

1. Raise the car, and support it with safety stands in the proper locations (see [section 1](#)).
2. Remove the wheels, then reinstall the wheel nuts.
3. Attach the dial gauge as shown.
4. Measure the bearing end play by moving the disc in and out.

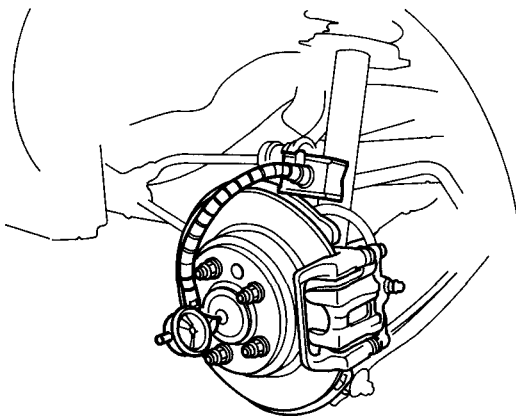
Front Wheel End Play:

Standard: 0–0.05 mm (0–0.002 in)



Rear Wheel End Play:

Standard: 0–0.05 mm (0–0.002 in)



5. If the bearing end play measurement is more than the standard, replace the wheel bearing.

Runout

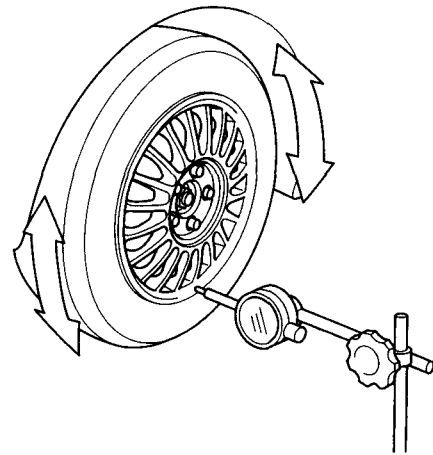
1. Raise the car, and support it with safety stands in the proper locations (see [section 1](#)).
2. Check for bent or deformed wheels.
3. Attach the dial gauge as shown.
4. Measure the wheel runout by turning the wheel.

Front and Rear Wheel Axial Runout:

Standard:

Aluminum Wheel: 0–0.7 mm (0–0.03 in)

Service Limit: 2.0 mm (0.08 in)

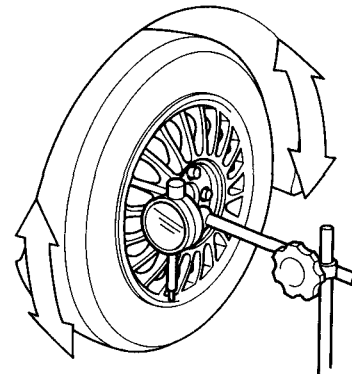


Front and Rear Wheel Radial Runout:

Standard:

Aluminum Wheel: 0–0.7 mm (0–0.03 in)

Service Limit: 1.5 mm (0.06 in)



5. If the wheel runout is more than the service limit, replace the wheel.