

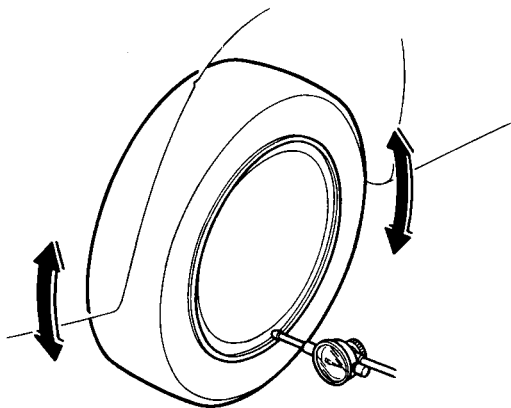


## Runout

1. Raise the car off the ground, and support it with safety stands in the proper locations (see [section 1](#)).
2. Place the dial gauge on each front and rear wheel rim, and turn the wheel slowly by hand. Check the axial and radial runout for front/rear wheel.

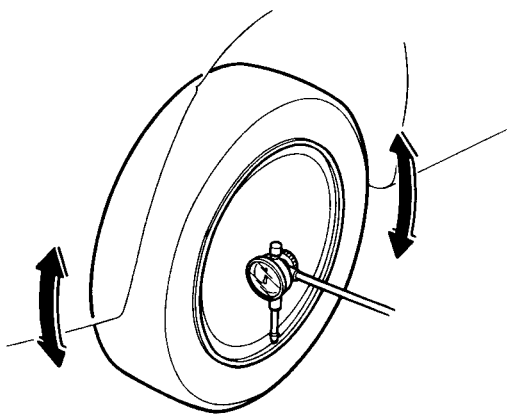
### Front and Rear Wheel Axial Runout:

**Standard:** 0-0.7 mm (0-0.03 in)  
**Service Limit:** 2.0 mm (0.08 in)



### Front and Rear Wheel Radial Runout:

**Standard:** 0—0.7 mm (0—0.03 in)  
**Service Limit:** 1.5 mm (0.06 in)



- If the wheel axial runout exceeds the service limit, check the bearing end play.
- If the bearing end play is within the service limit, replace the wheel.

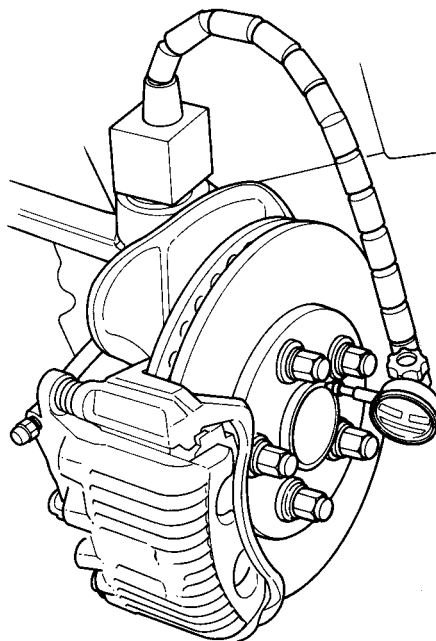
## Bearing End Play

### Front Wheel End Play:

**Standard:** 0 mm (0 in)  
**Service limit:** 0.05 mm (0.002 in) max.

### Rear Wheel End Play:

**Standard:** 0 mm (0 in)  
**Service limit:** 0.05 mm (0.002 in) max.



Replace the wheel bearing with new one if the service limit is exceeded.