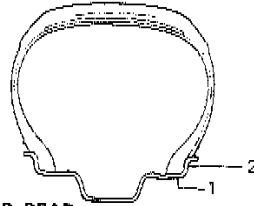


# Wheel: Testing and Inspection

## Wheel Runout

### HOW TO MEASURE WHEEL RUNOUT

To measure the wheel runout, it is necessary to use an accurate dial indicator. The tire may be on or off the wheel. The wheel should be installed to the wheel balancer of the like for proper measurement.



\*TOTAL INDICATOR READING IGNORE INDICATOR "JUMPS" DUE TO WELD SEAMS, PAINT RUNS, SCRATCHES, ETC.

- 1. Radial runout
- 2. Lateral runout

Take measurements of both lateral runout and radial runout at both inside and outside of the rim flange. With the dial indicator set in place securely, turn the wheel one full revolution slowly and record every reading of the indicator.

When the measured runout exceeds the specification and correction by the balancer adjustment is impossible, replace the wheel. If the reading is affected by welding, paint or scratch, it should be ignored.

### Steel wheel

Radial runout limit: 1.14 mm (0.045 inch)

Lateral runout limit: 1.40 mm (0.055 inch)