Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

Time on Task:\_\_\_\_\_\_\_\_\_\_\_\_\_

Make/Model/Year:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VIN:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Evaluation (Enter number from 4, 3, 2, 1) :\_\_\_\_\_\_\_\_\_

**Meets ASE Task: :** (A4-F-10) P-2 Measure wheel, tire, axle flange, and hub runout; determine needed action.

**Tire, Wheel, Axle, and Hub Runout**

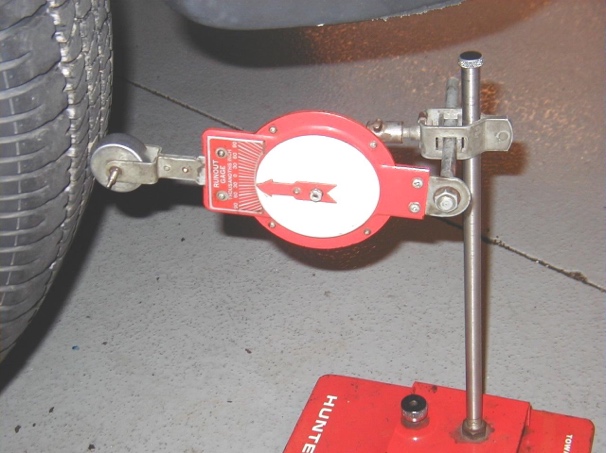
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**1.** Check service information for the specifications for radial and lateral runout.

Specification for radial runout = \_\_\_\_\_\_\_\_\_ (usually less than 0.060 inch).

Specification for lateral runout = \_\_\_\_\_\_\_\_\_ (usually less than 0.045 inch).

**2.** Using a runout gauge, rotate the tire and record the radial runout (roundness of the

 tires) and the lateral runout (side-to-side movement) of the tires.

**Tire Radial Runout Lateral Runout**

R.F. \_\_\_\_\_\_ \_\_\_\_\_\_\_

R.R. \_\_\_\_\_\_ \_\_\_\_\_\_\_

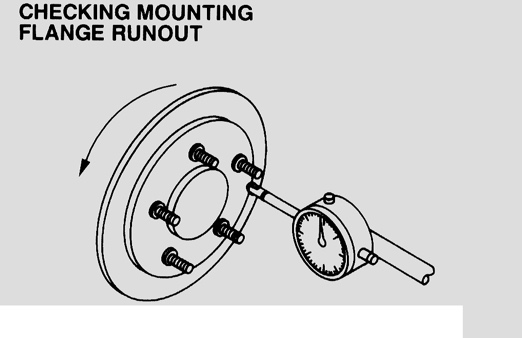
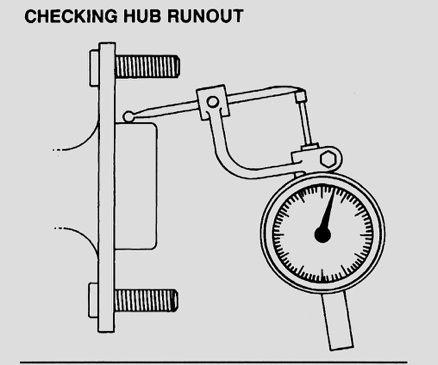
L.F. \_\_\_\_\_\_ \_\_\_\_\_\_\_

L.R. \_\_\_\_\_\_ \_\_\_\_\_\_\_

**3.** Using a dial indicator, measure the axle and hub runout.

Hub runout = \_\_\_\_\_\_\_\_ **OK  NOT OK**

Flange runout = \_\_\_\_\_\_\_\_ **OK  NOT OK**



**4.** Based on the measurements, what needed action is needed?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_