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

**Meets ASE Tasks:** (A4-F-4) P-2 Measure wheel, tire, axle flange, and hub runout;

determine needed action.

**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_ Time on Task \_\_\_\_\_\_\_\_\_\_**

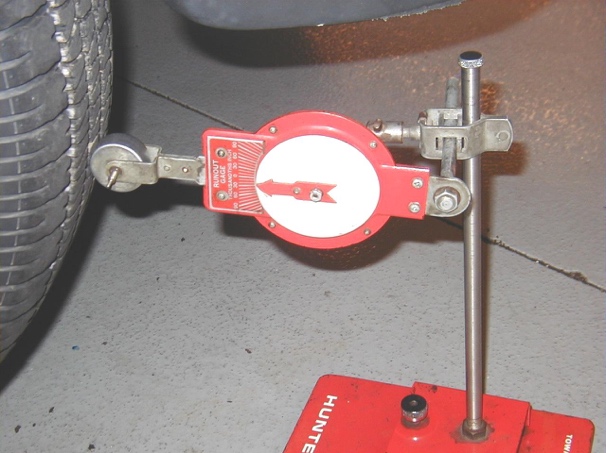
**Make/Model/Year \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ VIN \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Evaluation: 4 3 2 1**

**\_\_\_\_\_ 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. \_\_\_\_\_\_ \_\_\_\_\_\_\_

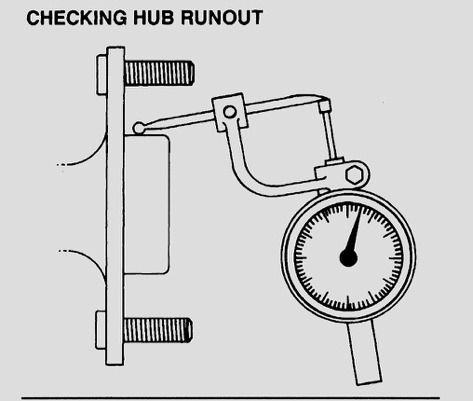
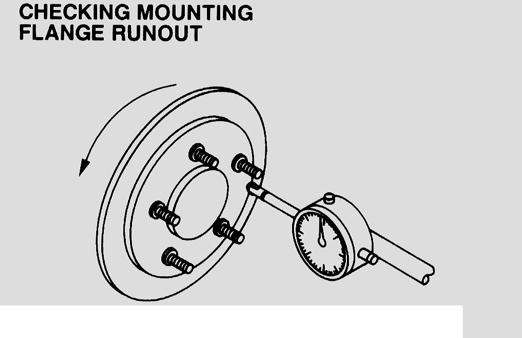
L.F. \_\_\_\_\_\_ \_\_\_\_\_\_\_

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?

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

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