

Tire, Wheel, Axle, and Hub Runout

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

Name: _____ Date: _____ Time on Task: _____

Make/Model/Year: _____ VIN: _____

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

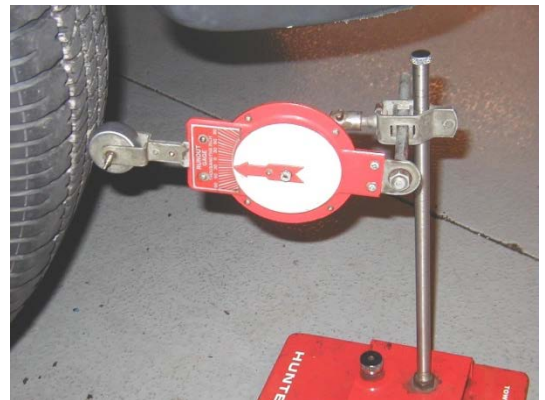
- ☐ 1. Check service information for the specifications for radial and lateral runout.

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.

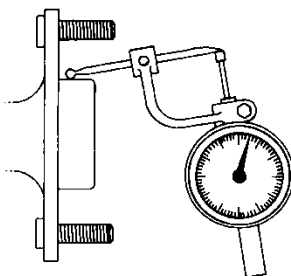
Hub runout = _____

OK ☐ NOT OK ☐

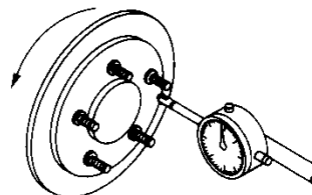
Flange runout = _____

OK ☐ NOT OK ☐

CHECKING HUB RUNOUT



CHECKING MOUNTING FLANGE RUNOUT



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

