

# Wheel Bearing Diagnosis

**Meets ASE Task:** (A5-F-1) P-1 Diagnose wheel bearing noises, wheel shimmy, and vibration concerns; determine needed action.

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

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

Worn or defective wheel bearings can cause a variety of concerns including:

**Noise** – usually a growl or rumble that changes tone with vehicle speed.

**Wheel Shimmy** – Can occur if the bearings are loose or excessively worn.

**Vibration** – Can occur if the bearings are loose or excessively worn.

- \_\_\_\_\_ 1. Check service information for the recommended test procedures to follow to diagnose possible wheel bearing noise.

\_\_\_\_\_

\_\_\_\_\_



- \_\_\_\_\_ 2. Drive the vehicle and check for abnormal noise that could be caused by a defective wheel bearing.

OK \_\_\_\_\_ NOT OK \_\_\_\_\_

**HINT:** A defective wheel bearing often sounds like a noisy winter tire but does not change tone when the vehicle is being driven over various road surfaces.

- \_\_\_\_\_ 3. Hoist the vehicle safely and check for excessive wheel bearing play and/or noise.

OK \_\_\_\_\_ NOT OK \_\_\_\_\_

Describe the faults and location: \_\_\_\_\_

- \_\_\_\_\_ 4. Based on the diagnosis, what is the needed action? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_