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

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

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

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

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

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

**Meets ASE Task: :** (A3-D-5) P-1 Diagnose universal joint noise and vibration concerns; determine needed action. (A4-F-9) P-1 Diagnose wheel/tire vibration, shimmy, and noise; determine needed action.

**Noise and Vibration Diagnosis**

Page 419

**[ ]  1.** Check service information for the specified (if any) methods and procedures to follow

 when diagnosing noise and/or vibration concerns.

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

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

**[ ]  2.** Test drive the vehicle and verify the concerns. Check all that apply:

 [ ]  Noise [ ]  Vibration [ ]  Both

**[ ]  3.** If there is a vibration, what frequency and at what speed is the vibration?

 Frequency \_\_\_\_\_\_\_\_\_ Vehicle speed \_\_\_\_\_\_\_\_\_

 Frequency \_\_\_\_\_\_\_\_\_ Vehicle speed \_\_\_\_\_\_\_\_\_

 Frequency \_\_\_\_\_\_\_\_\_ Vehicle speed \_\_\_\_\_\_\_\_\_

 Frequency \_\_\_\_\_\_\_\_\_ Vehicle speed \_\_\_\_\_\_\_\_\_

**[ ]  4.** If a noise, check for witness marks and describe this location: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

**[ ]  5.** Based on the test results and visual inspection, what is the needed action?

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