### Suspension Problem Diagnosis

**Meets ASE Task:** (A4-A-2) P-1 Identify and interpret suspension concerns; determine needed action.

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

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

**\_\_\_\_\_ 1.** What is the stated customer concern? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\_\_\_\_\_ 2.** Test drive the vehicle under the same conditions and road surface types as stated by

 the customer when the problem occurs and check the following.

 Tire-type noise? **OK \_\_\_\_ NOT OK \_\_\_\_**

Clunks? **OK \_\_\_\_ NOT OK \_\_\_\_**

Creaks? **OK \_\_\_\_ NOT OK \_\_\_\_**

Tracks straight? **OK \_\_\_\_ NOT OK \_\_\_\_**

Pull during braking only? **OK \_\_\_\_ NOT OK \_\_\_\_**

Wandering (unstable)? **OK \_\_\_\_ NOT OK \_\_\_\_**

Other concern (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\_\_\_\_\_ 3.** When does the fault or concern occur?

 \_\_\_ During turns or cornering to the right

 \_\_\_ During turns or cornering to the left

 \_\_\_ During turns or cornering both to the right or the left

 \_\_\_ While driving straight ahead

 \_\_\_ Only when driving on a rough road

 \_\_\_ Only when turning into or out of a driveway

 \_\_\_ Other (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\_\_\_\_\_ 4.** Based on the test drive, what components or systems could be the cause of the

 suspension problem or concern?

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

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

**\_\_\_\_\_ 5.** What action will be needed to correct these concerns? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

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