1. Are the intake and exhaust valve springs interchangeable? (Some have different spring tension, and some springs are wound in the opposite direction). **Yes \_\_\_\_\_\_ No \_\_\_\_\_\_**

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

Meets ASE Task: A1 – B-7 – P-3

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

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

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

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

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

**Valve Spring Specifications and Measurements**

2. Check squareness (should be within 1/16”): \_\_\_\_\_\_\_\_\_ **OK \_\_\_\_\_\_ NOT OK \_\_\_\_\_\_**

3. The free length (height) specification: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. The actual free length (height) (one intake and one exhaust spring):

\_\_\_\_\_\_\_\_\_\_ intake spring \_\_\_\_\_\_\_\_\_\_\_ exhaust spring **OK \_\_\_\_\_\_ NOT OK \_\_\_\_\_\_**

5. Valve closed load specification: \_\_\_\_\_\_\_\_\_\_\_\_ at \_\_\_\_\_\_\_\_\_ in. height.

6. Measured valve spring closed load:

\_\_\_\_\_\_\_\_\_\_ intake spring \_\_\_\_\_\_\_\_\_\_\_ exhaust spring **OK \_\_\_\_\_\_ NOT OK \_\_\_\_\_\_**

7. Valve open load specification: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ at \_\_\_\_\_\_\_\_\_\_ in. height.

8. Measured valve spring closed load:

\_\_\_\_\_\_\_\_ intake valve \_\_\_\_\_\_\_\_ exhaust valve **OK \_\_\_\_\_\_ NOT OK \_\_\_\_\_\_**

9. Installed height specification: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. Measured installed height: \_\_\_\_\_\_\_\_\_\_ intake valve \_\_\_\_\_\_\_\_\_\_\_ exhaust valve

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

11.Valve stem height specification: \_\_\_\_\_\_\_\_\_\_\_\_\_ in.

12. Measured valve stem height: \_\_\_\_\_\_\_\_\_\_ intake valve \_\_\_\_\_\_\_\_\_\_\_ exhaust valve

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