[ ]  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 \_\_\_\_\_\_**