[ ]  1. The engine should be at normal operating temperature.

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

Meets ASE Task: A8 – A-11 – P-1

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

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

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

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

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

**Cylinder Leakage Testing**

[ ]  2. Rotate the engine until the piston of the cylinder being tested is at TDC on the compression stroke.

[ ]  3. Calibrate the cylinder leakage gauge.

 [ ]  4. Install compressed air in the cylinder. Read the gauge. \_\_\_\_\_\_ % of leakage

 **Check one:**

 \_\_\_\_\_\_ Good- less than 10%

 \_\_\_\_\_\_ Acceptable- less than 20%

 \_\_\_\_\_\_ Unacceptable - higher than 20%

 [ ]  5. Check the location of air leakage:

 \_\_\_\_\_\_ a. **radiator** - possible blown head gasket or cracked cylinder head.

 \_\_\_\_\_\_ b. **tail pipe** - defective exhaust valve(s).

 \_\_\_\_\_\_ c. **Throttle Body or air inlet** - defective intake valve(s).

 \_\_\_\_\_\_ d. **oil filler cap** - possible worn or defective piston rings.

 [ ]  6. Based on the test results, what is the necessary action? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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