[ ]  1. An automotive diagnostic scan tool or digital storage oscilloscope with relative compression can be used to determine cylinder balance. (Check the tool used)

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

Meets ASE Task: A8 – A-9 – P-1

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

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

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

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

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

**Cylinder Power Balance Test**

 [ ]  Scan Tool

 [ ]  Digital storage oscilloscope

 [ ]  Other (describe):

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

[ ]  2. Follow the equipment manufacturers’ instructions and connect the tester to the engine. Instructions to connect to the engine include:

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

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

[ ]  3. Start the engine and allow it to reach normal operating temperature.

[ ]  4. Follow the instructions of the test equipment manufacturer and perform a cylinder power balance test. Record the results.

 Cylinder #1 = \_\_\_\_\_\_\_\_\_\_\_\_\_ Cylinder #5 = \_\_\_\_\_\_\_\_\_\_\_\_\_

 Cylinder #2 = \_\_\_\_\_\_\_\_\_\_\_\_\_ Cylinder #6 = \_\_\_\_\_\_\_\_\_\_\_\_\_

 Cylinder #3 = \_\_\_\_\_\_\_\_\_\_\_\_\_ Cylinder #7 = \_\_\_\_\_\_\_\_\_\_\_\_\_

 Cylinder #4 = \_\_\_\_\_\_\_\_\_\_\_\_\_ Cylinder #8 = \_\_\_\_\_\_\_\_\_\_\_\_\_

 [ ]  5. If performing an engine speed (RPM) drop test, all cylinders should be within 50 RPM.

 **\_\_\_\_\_\_ OK \_\_\_\_\_\_ NOT OK (describe results) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_ NA**

[ ]  6. If relative compression is being performed, all cylinders should be within 10%.

 **\_\_\_\_\_\_ OK \_\_\_\_\_\_ NOT OK (describe results) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_NA**