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**