Cylinder Power Balance Test

Meets ASE Task: A8 – A-9 – P-1

Name:_____ Date:_____ Time on Task:_____

Make/Model/Year:_____ VIN:_____

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

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

- ☐ 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**