

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**