**Meets ASE Task:** (A8-D-12) P-2 Perform exhaust system back-pressure test; determine needed action.

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

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

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

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

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

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

**Exhaust System Backpressure Test**

Page 270

A clogged or partially restricted exhaust greatly affects engine performance. Lack of power is a common symptom of a partially restricted exhaust system. In severe cases, the engine may start/stall due to exhaust system restriction.

[ ]  1. Check service information for the specified maximum backpressure. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

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



[ ]  2. Remove the oxygen sensor from the

 exhaust manifold and install tool to

 measure exhaust back pressure.

**NOTE**: This tool can be made from an 18 mm fitting and a vacuum hose nipple.

[ ]  3. Connect a vacuum/pressure gauge to the exhaust back pressure tool. Start the engine

 and run at idle and observe exhaust back pressure.

 \_\_\_\_\_\_ psi back pressure (maximum allowable back pressure at idle

 is 1.25 psi.)

 **OK** [ ]  **NOT** **OK** [ ]

[ ]  4. Operate the engine at a constant speed of 2500 RPM and observe the exhaust back

 pressure.

 \_\_\_\_\_\_ psi back pressure (Maximum allowable back pressure at 2500

 RPM is 2.5 psi.)

 **OK** [ ]  **NOT** **OK** [ ]

[ ]  5. Based on the results of the backpressure test, what is the needed action?

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