**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) :\_\_\_\_\_\_\_\_\_

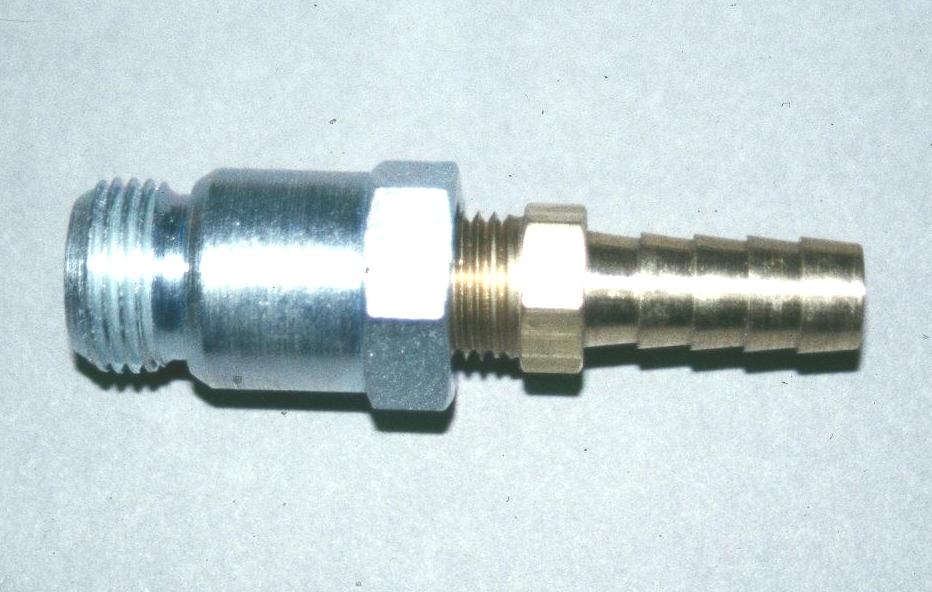
**Exhaust System Backpressure Test**

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. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

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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?

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