

Exhaust System Backpressure Test

Meets NATEF Task: (A8-D-11) P-2 Perform exhaust system back-pressure test; determine necessary action.

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

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 necessary action?
