

Exhaust System Smoke Test

Meets NATEF Task: (A1-A-7, A8-A-7) Diagnose engine noises and vibrations; determine necessary action. (P-2s)

Name _____ Date _____ Time on Task _____

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

- _____ 1. Start the smoke machine and allow it to reach operating temperature.
- _____ 2. Hoist the vehicle to be able to see the exhaust system.
- _____ 3. Insert the discharge hose from the smoke machine into the tailpipe and start the flow of smoke.

- _____ 4. Check for evidence of smoke from parts of the exhaust system, which indicates a leak.

- _____ No smoke visible
- _____ Smoke visible (describe the location) _____



- _____ 5. Lower the vehicle and repeat the injection of smoke into the exhaust system.
- _____ 6. Check for evidence of smoke from under the hood and around the intake manifold and exhaust gas recirculation (EGR) valve and piping.

- _____ No smoke visible
- _____ Smoke visible (describe the location) _____

_____ 7. What is the necessary action? _____

- _____ 8. Disconnect the smoke machine.