

Intake System Smoke Test

Meets NATEF Task: (A1-A-5) Inspect engine for leaks; determine necessary action (P-1)

Name _____ Date _____ Time on Task _____

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

_____ 1. Set up the intake system for smoke testing by removing the air inlet from the throttle body and cover by using one of the following (select one).

_____ Plastic sheet held on by tape or rubber bands

_____ Rubber (vinyl) glove covering the air inlet

_____ Cardboard and tape

_____ Other (describe) _____



_____ 2. Start the smoke machine and allow it to reach operating temperature.

_____ 3. Disconnect the large vacuum hose from the vacuum brake booster. Attach the smoke machine to the hose (not to the vacuum booster).

_____ 4. Inject smoke into the intake of the engine following the instructions for the smoke machine. Observe hoses and gasket areas for smoke.

_____ No smoke visible

_____ If smoke is visible, describe the location _____

_____ 5. What is the necessary action? _____

_____ 6. Disconnect the smoke machine and reattach the vacuum host to the vacuum brake booster. Check for proper engine operation.