

Fuel Pump Testing

Meets NATEF Task: (A8-D-3) P-1 Inspect and test fuel pumps and pump control systems for pressure, regulation, and volume; perform necessary action.

Name _____ Date _____ Time on Task _____

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

- _____ 1. Check service information and determine the factory specifications for acceptable fuel pump pressure.

Fuel pump pressure specifications = _____

- _____ 2. Check service information, locate the fuel system pressure test valve or port, and describe its location.

- _____ 3. Connect a fuel pressure gauge to the fuel pressure Schrader valve.

- _____ 4. Start the engine and observe the fuel pressure.

fuel pressure = _____

OK _____ **NOT OK** _____

- _____ 5. Connect a hand-operated vacuum pump to the fuel pressure regulator and apply 20 in. Hg. of vacuum. Did the pressure decrease? _____

- _____ 6. Check fuel pump volume (0.5 to 1.0 gallons per minute).

- _____ 7. Based on this test, what is the necessary action?

