**Meets ASE Task:** (A8-D-8) P-1 Inspect and test fuel pumps and pump control systems for pressure, regulation, and volume; determine needed action.

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

Time on Task:\_\_\_\_\_\_\_\_\_\_\_\_\_

Make/Model/Year:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VIN:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Evaluation (Enter number from 4, 3, 2, 1) :\_\_\_\_\_\_\_\_\_

**Fuel Pump Testing**

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**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 needed action?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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