[ ]  1. Check service information for the recommended procedure to follow to diagnose the fuel injection system.

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

Meets ASE Task: A8 – D-13 – P-2

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

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

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

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

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

**Fuel-Injection System Diagnosis**

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

[ ]  2. Attach a fuel pressure gauge to the Schrader valve on the fuel rail, if available.

[ ]  3. Turn the ignition key to "on" or start the engine to build up the fuel pump pressure. Record the fuel pump pressure. \_\_\_\_\_psi

[ ]  4. Turn the ignition off and wait 20 minutes and observe the fuel pressure retained in the fuel rail = \_\_\_\_\_\_\_ psi.

 If the drop is greater than 20 psi in 20 minutes, there is a possible problem with:

 a. the check valve in the fuel pump.

 b. leaking injectors.

 c. a defective (leaking) fuel pressure regulator.

 [ ]  5. Based on the test results, what is the needed action?

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

