



Fuel-Injection System Diagnosis

Meets ASE Task: A8 – D-13 – P-2

Name:	Date:		Time on Task:
Make/Model	l/Year:	VIN:	
Evaluation (Enter number from 4, 3, 2, 1) :			
. 1.	Check service information for the recommended procedure to follow to diagnose the fuel injection system.		
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 pressurepsi		
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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?

