1. Check service information for the type of fuel injector being used.

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

Meets ASE Task: A8 – D-10 – P-1

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

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

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

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

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

**Injector Voltage Waveform Test**

Saturated

Peak and hold

2. Connect a digital storage oscilloscope (DSO) or graphing multimeter (GMM) to the pulsed side of the injector. (Check service information for the color of wire used for the pulse.)

3. Start the engine and observe the voltage waveform.

4. Does the voltage spike (kick) exceed 50 volts? \_\_\_\_\_ Yes \_\_\_\_\_ No

5. What is the injector pulse-width? \_\_\_\_\_\_\_\_\_\_ (normally between 1.5 and 3.5 MS at idle on a warm engine)

6. Based on the test performed, what is the needed action?

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

