Injector Voltage Waveform Test

Meets NATEF Task: (A8-D-7) P-2 Inspect and test fuel injectors.

| Name | Date | Time on Task |
|-------------------------------|--------------------------------------|--|
| Make/Model/Year | VIN | Evaluation: 4 3 2 |
| 1. Check service info | ormation for the type of fuel injo | ector being used. |
| Saturat | ed | |
| Peak an | nd hold | |
| | | graphing multimeter (GMM) to the nation for the color of wire used for |
| 3. Start the engine at | nd observe the voltage waveform | n. |
| | 4.00 ms INJECTION P 111 V MAXIMUM | PULSE |
| | 100V | |
| | -60 | 2 2 2 2 |
| | 20 | e e e |
| | | ······ |
| | FUEL INJECTOR | 2ms/DIV |
| 4. Does the voltage | spike (kick) exceed 30 volts? | Yes No |
| 5. What is the inject | or pulse-width? (no | ormally between 1.5 and 3.5 mS at |

- idle on a warm engine)
- 6. Based on the test performed, what is the necessary action?