

Clamp-On Meter Fuel Pump Current Draw

Meets NATEF Task: (A8-D-3) P-1 Inspect and test fuel pumps and pump control systems for pressure, regulation, and volume; perform necessary action.

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

_____ 1. Locate the fuel pump relay.

Location (describe) _____

_____ 2. Remove the relay and determine the locations of the power (+) and load side (to the pump) terminals from the wiring diagram or label on the relay.

Battery voltage is at terminal (describe) _____
(usually terminal #30)

Electric fuel pump is at terminal (describe) _____
(usually terminal #87)

_____ 3. Use a fused jumper wire with terminals that are properly sized for the relay socket and connect terminal #30 and #87.

_____ 4. Set the digital multimeter to read DC amperes.

_____ 5. Clamp the meter around the fused jumper wire and read the meter display.

_____ amps

_____ 5. Compare to the factory specifications. Specification = _____ amp.

Most TBI (low pressure) fuel pumps (9-13 psi)2-5 amps
Most port fuel injection pumps (35-45 psi).....4-8 amps
GM central port injection (trucks) (55-64 psi).....8-12 amps

_____ 6. Based on the test results, what is the necessary action? _____
