Clamp-On Meter Fuel Pump Current Draw

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

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? _____

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