



# 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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