Check Electrical Circuits Using an Ohmmeter

Meets NATEF Task: (A6-A-7) Demonstrate the proper use of a DMM during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance. (P-1)

Name _____ **Date** _____ **Time on Task** _____

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

_____ **1.** Check service information for the resistance specification for spark plug wires (if equipped) and fuel injectors.

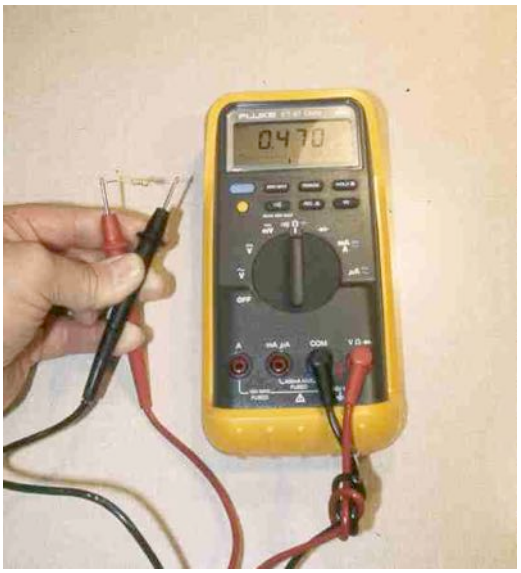
Spark plug wire resistance specification = _____

Fuel injector resistance specification = _____

_____ **2.** Set the DMM to read ohms and measure the resistance of a spark plug wire and a fuel injector.

Spark plug wire resistance = _____

Fuel injector resistance = _____



_____ **3.** Test an automotive bulb for continuity (resistance). It should indicate low ohms. A reading of "OL" (or some other infinity resistance indication on the meter face) indicates lack of continuity.

Bulb continuity = _____ ohm

OK ____ **NOT OK** ____

_____ **4.** Based on the test results, what is the necessary action?

_____

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