

Check Electrical Circuits Using an Ohmmeter

Meets NATEF Task: (A6-A-3) 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?

