Starter Circuit Voltage Drop

Meets NATEF Task: (A6-C-2) Perform starter circuit voltage drop tests; determine necessary action. (P-1)

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

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

_____ **1.** Set the digital multimeter to DC volts.

> **HINT:** A voltmeter measures the difference in electrical pressure between the test leads. When the meter leads are connected to two locations and the engine is cranked, the meter will display the difference in voltage between the two points. This difference is called the voltage drop.

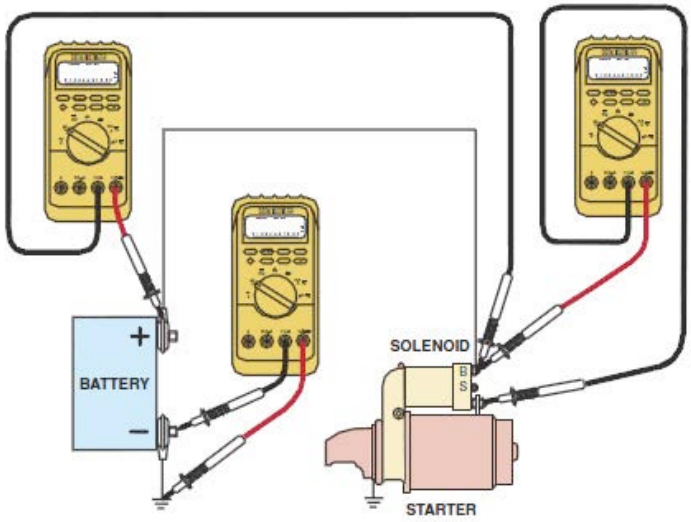
_____ **2.** Disable the ignition system or the fuel system to keep the engine from starting.

_____ **3.** Connect the voltmeter, as shown in the illustration, and crank the engine. Observe the voltmeter during each of the three tests.

_____ **4.** All test results should be less than 0.2 V (200 mV).

RESULTS:

☐ **ALL OK**
☐ **ALL NOT OK**



_____ **5.** Based on the results of the voltage drop tests, what is the necessary action?

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