

**► TASK** Perform starter circuit voltage drop tests; determine needed action.

**MAST**  
6C2

Time off \_\_\_\_\_

Time on \_\_\_\_\_

Total time \_\_\_\_\_

**CDX Tasksheet Number: C310**

**1. Research the specifications and procedures for performing the starter circuit voltage drop tests in the appropriate service information.**

**a. What is the maximum starter circuit (high current cables) voltage drop specification(s) for this test?**

**i. Positive side:** \_\_\_\_\_ volts

**ii. Negative (ground) side, if specified:** \_\_\_\_\_ volts

**2. Disable the vehicle's fuel or ignition system so it will not start.**

**3. Conduct the Starter Circuit Voltage Drop Test—Positive/Feed Side (heavy positive battery cable, not the control circuit).**

**a. List the voltmeter connection points in the circuit:**

**DMM black lead:** \_\_\_\_\_

**DMM red lead:** \_\_\_\_\_

**b. Conduct the Starter Circuit Voltage Drop Test:**

**What is the voltage drop on the positive side?** \_\_\_\_\_ volts

**Is this reading within specifications? Yes:** \_\_\_\_\_ **No:** \_\_\_\_\_

**4. Conduct the Starter Circuit Voltage Drop Test—Ground Side.**

**a. List the voltmeter connection points in the circuit:**

**DMM black lead:** \_\_\_\_\_

**DMM red lead:** \_\_\_\_\_

**b. Conduct the Starter Circuit Voltage Drop Test:**

**What is the voltage drop on the negative side?** \_\_\_\_\_ volts

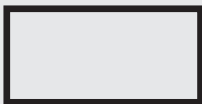
**Is this reading within specifications? Yes:** \_\_\_\_\_ **No:** \_\_\_\_\_

**5. Determine any necessary action(s):**

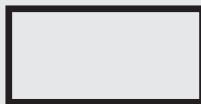
**6. Have your supervisor/instructor verify satisfactory completion of this procedure, any observations found, and any necessary action(s) recommended.**

**Performance Rating**

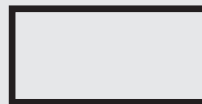
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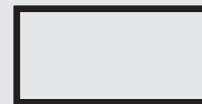
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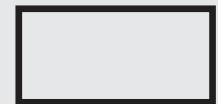
**1**



**2**



**3**



**4**

Supervisor/instructor signature \_\_\_\_\_ Date \_\_\_\_\_