

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

**MLR**  
6C2

**AST**  
6C2

**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:**  
  
DVOM black lead: \_\_\_\_\_  
DVOM 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:**  
  
DVOM black lead: \_\_\_\_\_  
DVOM 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**

**CDX Tasksheet Number: C310**

**0**

**1**

**2**

**3**

**4**

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