

► TASK Demonstrate the proper use of a digital multimeter (DMM) when measuring source voltage, voltage drop (including grounds), current flow, and resistance.

MLR
6A4

AST
6A3

MAST
6A3

Time off__

Time on__

Total time_

CDX Tasksheet Number: C641

NOTE This task is best performed on either the CDX DVOM simulator, a physical simulator, or a bugged vehicle.

1. Ask your instructor what lighting circuit he/she would like you to perform the following meter readings on. **List circuit here:**
2. Using the appropriate wiring diagram as a reference and a DMM, determine the following:
 - a. **Measured source voltage (at battery):** _____ **volts**
 - b. **Measured voltage drop (positive side of circuit):** _____ **volts**
 - c. **Measured voltage drop (negative side of circuit):** _____ **volts**
 - d. **Measured resistance of light:** _____ **ohms**
 - e. **Measured current flow through light:** _____ **amps**
3. **Were all of the readings out of specification? Yes:** _____ **No:** _____
 - a. **List your observations:**
4. Have your supervisor/instructor verify satisfactory completion of this procedure and any observations found.

Performance Rating

CDX Tasksheet Number: C641

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Supervisor/instructor signature _____ Date _____