**Meets ASE Task: :** (A6-C-1) P-1 Perform starter current draw tests; determine needed action. (A6-C-2) P-1 Perform starter circuit voltage drop tests; determine needed action.

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

Time on Task:\_\_\_\_\_\_\_\_\_\_\_\_\_

Make/Model/Year:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VIN:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Evaluation (Enter number from 4, 3, 2, 1) :\_\_\_\_\_\_\_\_\_

**Starter Voltage Drop/Current Draw Tests**

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**1.** Check service information for the specified starter current draw test procedure and

specifications.

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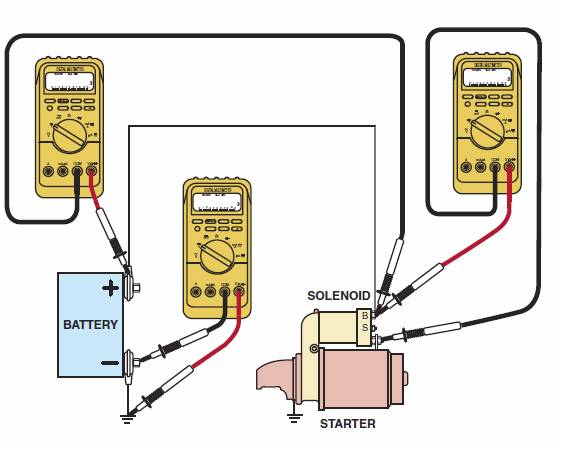
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***NOTE:*** Few vehicle manufacturers give starter current draw specifications with the starter installed on the vehicle. Use the chart below as a guideline regarding the range of the maximum allowable starter draw.

4-cylinder engines = 150 to 185 amperes maximum (normally less than 100 A)

6-cylinder engines = 160 to 200 amperes maximum (normally less than 125 A)

8-cylinder engines = 185 to 250 amperes maximum (normally less than 150 A)



**2.** Perform the starter current draw test following the

manufacturer’s instructions.

Results: \_\_\_\_\_\_\_\_ amperes

**3.** Connect the voltmeter, as shown in the

illustration, and crank the engine. Observe the

voltmeter.

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

**5.** Based on the specifications and the test results, what is the needed action?

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