



# Battery Load Test

**Meets NATEF Task:** (A6-B-2) Perform battery capacity test; confirm proper battery capacity for vehicle application; determine necessary action. (P-1)

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

\_\_\_\_\_ 1. Connect the carbon pile tester, such as a Sun Electric VAT-40, as per the test equipment manufacturer's instructions.

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_ 2. Determine the correct amount of load (1/2 CCA rating of the battery) = \_\_\_\_\_ amps.

\_\_\_\_\_ 3. Remove the surface charge by applying load of one-half of the CCA rating of the battery for 15 seconds. Let the battery "recover" for 15 seconds.

\_\_\_\_\_ 4. Apply the same load again for 15 seconds. With the load still applied, read the battery voltage.

Battery voltage at the end of the 15-second load = \_\_\_\_\_ volts.

**RESULTS:** The battery voltage should be greater than 9.6 volts at the end of 15 seconds with the electrical load still applied. If the battery voltage is below 9.6 volts, recharge the battery and repeat the test. If the second test also indicates less than 9.6 volts, replace the battery.

**NOTE:** If testing a 6-volt battery, all procedures are the same except that the voltages stated should be divided by 2.

**OK** \_\_\_\_\_ **NOT OK** \_\_\_\_\_