

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 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 30 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.

OK _____ NOT OK _____

- _____ 5. Based on the test results, what is the necessary action?

