



Generator (Alternator) Output Test

Meets NATEF Task: (A6-D-1) Perform charging system output test; determine necessary action.
(P-1)

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

_____ 1. Connect the starting and charging test unit (such as a Sun VAT-40) leads as per the manufacturer's instructions.

_____ 2. Start the engine and operate at 2,000 RPM (fast idle).

_____ 3. Turn the "load increase" control slowly to obtain the highest reading on the ammeter scale. (Do not let the battery voltage drop to less than 13 volts.)

Tested amps = _____ amps.

_____ 4. Check service information for the output specification (should be stamped on the generator (alternator) or indicated by a colored tag on or near the output terminal) = _____ amps.

_____ 5. Results should be within 10% of the specifications. If the generator amperage output is low, first check the condition of the generator drive belt. It should not be possible to rotate the generator by hand with the engine "off."

OK _____ NOT OK _____

_____ 6. Based on the test, what is the necessary action? _____
