Charging System 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.** Check service information for the specified charging system output test procedures and specifications.

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_____ **2.** Connect the starting and charging test unit (such as a Sun VAT-40) leads to the battery as per the manufacturer's instructions.

_____ **3.** Attach the amp probe around the alternator output wire.

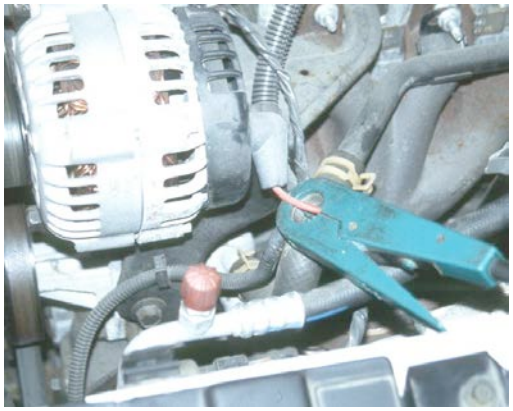
_____ **4.** Start the engine and operate at 2,000 RPM (fast idle).

_____ **5.** 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 12 volts.)
Tested amps = _____ amps.

_____ **6.** Specification (should be stamped on the alternator) or indicated by a colored tag on or near the output terminal) = _____ amps.

_____ **7.** Results should be within 10% of the specifications. If the alternator amperage output is low, first check the condition of the alternator drive belt. The alternator pulley should not be able to be rotated by hand with the engine "off."

OK_____ NOT OK_____



_____ **8.** Based on the results of the charging system output test, what is the necessary action?

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