

# Charging System Output Test

Meets ASE Task: A6 – D-1 – P-1

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

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

Evaluation (Enter number from 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 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 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 needed action?
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