**Meets ASE Task:** (Not specified by ASE)

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

Time on Task:\_\_\_\_\_\_\_\_\_\_\_\_\_

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

VIN:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Evaluation (Enter number from 4, 3, 2, 1) :\_\_\_\_\_\_\_\_\_

**Alternator Stator Testing**

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**1.** Identify the type of stator.

**Wye** (has three terminals with one wire at

each terminal and a wire junction)

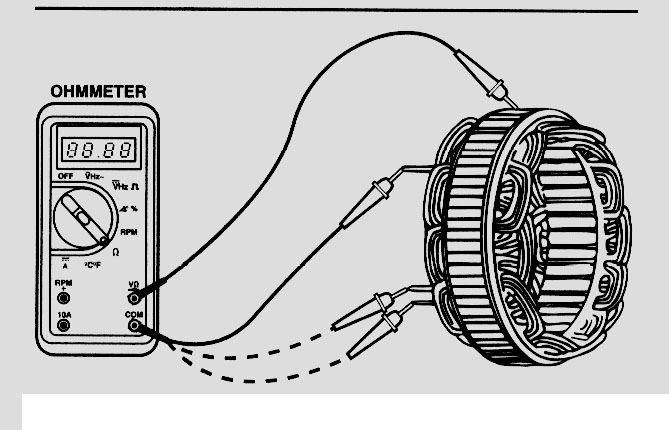
**Delta** (has three terminals with two wires

at each terminal)

**2.** Visually inspect the rotor for faults such as burned insulation due to overheating or

broken wires.

**OK  NOT OK**



**3.** Set a digital multimeter to read ohms (low

scale).

**4.** Measure the resistance between all three

terminals of the stator two at a time. The

resistance will be low (usually less than 2 ohms).

If high or infinity, the stator is defective.

**OK  NOT OK**

**5.** To check if the stator windings are shorted-to-ground, connect one lead of the meter

(still set to read ohms) to the steel laminations of the stator and touch the other lead to

each of the three terminals. The reading on all three terminals should be infinity (OL).

**OK  NOT OK**