**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 Rectifier Bridge Testing**

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**1.** Identify the type of alternator.

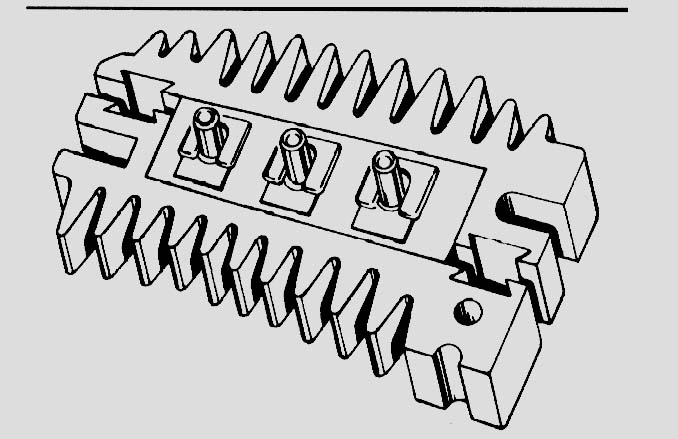
GM

Ford

Chrysler

other (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2.** How many diodes are used in the rectifier bridge (2 per stator winding)?



6

8

other (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3.** Visually check the rectifier bridge for physical

damage.

**OK  NOT OK**

**4.** Set a digital multimeter to the diode check

position.

**5.** Touch one meter lead to the terminal of the diode and the other lead to the heat sink

for the same diode and record the reading. Reverse the leads and record the second

reading. A good diode should read infinity (OL) one way and record a voltage drop

reading of between 0.4 volt (400 mV) and 0.6 volt (600 mV) the other way.

reading for diode #1 = \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_

reading for diode #2 = \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_

reading for diode #3 = \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_

reading for diode #4 = \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_

reading for diode #5 = \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_

reading for diode #6 = \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_

**OK  NOT OK**

**6.** Test the diode trio (if equipped) in a similar manner. **OK  NOT OK**