**Meets ASE Task:** (A6-A-2) P-1 Identify electrical/electronic system components and configurations.

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

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

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

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

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

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

**Alternator Identification**

Page 159

**1.** Locate the alternator and describe the location. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2.** Check service information and determine the maximum amperage output and charging

system voltage.

* Amperage rating (usually ranges from 60 A to 160 A) \_\_\_\_\_\_\_\_\_\_\_
* Charging system voltage (usually within 13.5 to 15.0 volts) \_\_\_\_\_\_\_\_\_\_\_

**3.** Locate the alternator and identify which wire(s) supply electrical power to

the vehicle electrical system and battery.

* Color of power lead wire(s) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Wire gauge of the power lead wire(s) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4.** What type of electrical protection is included in the alternator output circuit?

Fusible link (describe location) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Maxi fuse (rating = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

Describe location \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unknown