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

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

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

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

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

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

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

**Starter Disassembly and Testing**

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**[ ]  1.** Clean and visually inspect the starter for physical damage such as a cracked or broken

 drive-end housing.

 **OK [ ]  NOT OK [ ]**

**[ ]  2.** Mark the location of the through bolts on the frame housing and make note of the

 location of a special through bolt used to retain a support bracket.

 **[ ]** used a support bracket **[ ]** did not use a support bracket

**[ ]  3.** Remove the solenoid (if it is a solenoid activated-type starter).

**CAUTION:** When removing the solenoid, use caution because the plunger return spring may cause the solenoid to be forced away from the starter when the attaching bolts (nuts) are removed.

**[ ]  4.** Remove the through bolts.

**[ ]  5.** Gently remove the brush-end housing and armature from the field housing.

**[ ]  6.** Remove the shift fork and separate the drive-end housing from the field housing.

**[ ]  7.** Visually inspect all the parts and note their condition.

 armature **OK [ ]  NOT OK [ ]  Notes: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 brushes/holders **OK [ ]  NOT OK [ ]  Notes: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 field coils **OK [ ]  NOT OK [ ]  Notes: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 drive-end housing **OK [ ]  NOT OK [ ]  Notes: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 shift lever **OK [ ]  NOT OK [ ]  Notes: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**[ ]  8.** Set the multimeter to read ohms and check the resistance between the hot brushes and

 the field housing (should read OL).

 **OK [ ]  NOT OK [ ]**

**[ ]  9.** Check the armature on a growler for opens and shorts.

 **OK [ ]  NOT OK [ ]**