

Starter Disassembly and Testing

Meets ASE Task: Not specified.

Name: _____ Date: _____ Time on Task: _____

Make/Model/Year: _____ VIN: _____

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

- ☐ 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 ☐ _____