



## **Starter Solenoid Testing**

Meets ASE Task: Not specified.

| Name:                                   | Date:   | Time on Task:                                     |  |
|---|---|---|--|
| Make/Model/Year:                        |   | N:  |  |
| Evaluation (Enter number from 4,        | 3, 2, 1) :  |   |  |
| 1. Clean and visually in                | nspect the starter solenoid for physic  | al damage.  |  |
| ОК 🗌                                    | NOT OK  |   |  |
| 2. Carefully remove th used) terminals. | ne two retaining screws and the retai   | ning nuts from the "M", "S", and "R" (if          |  |
| 3. Carefully remove th                  | ne plastic end cap.   |   |  |
| 4. Visually check all so                | plenoid parts for excessive wear or da  | image.  |  |
| ОК                                      | NOT OK  |   |  |
| 5. Set a digital multim in coil.        | eter (DMM) to read ohms (low scale)   | ) and check the hold-in coil and the pull-        |  |
|   | re between terminals "S" and "M": re NOT OK   | esistance = (should be 0.2 to 0.4                 |  |
|   | ure between terminals "S" and the sc<br>6 ohm) <b>OK NOT OK</b>   | blenoid housing: resistance =                     |  |
| 6. Carefully reassemb                   | le the solenoid.  |   |  |
|   | . Test the pull-in winding by applying 12 volts to terminal "S" and ground to terminal "M." Check that the plunger will be drawn into the solenoid. |   |  |
| •                                       | nger will be drawn in with great force<br>er and the solenoid housing. <b>OK</b>  |   |  |
|   | vinding by connecting 12 volts to terr<br>be drawn into the solenoid housing.   | ninal "S" and the other wire to ground. OK NOT OK |  |
| 9. Based on the test re                 | esults, what is the necessary action?   |   |  |