

## **Starter Solenoid Testing**

Meets NATEF Task: Not specified by NATEF

| Name  | Date   | Time on Task   |
|---|--|--|
| Make/Model/Year                                     | VIN  | Evaluation: 4 3 2 1                                    |
| <b>1.</b> Clean and visually in                     | nspect the starter solenoid for  | physical damage.                                       |
| OK N  | NOT OK   |  |
| <b>2.</b> Carefully remove the "M", "S", and "R" (i | e two retaining screws and th if used) terminals.                        | e retaining nuts from the                              |
| <b>3.</b> Carefully remove the                      | e plastic end cap.   |  |
| <b>4.</b> Visually check all so                     | elenoid parts for excessive we   | ear or damage.   |
| OK N  | NOT OK   |  |
| 5. Set a digital multime and the pull-in coil.      | eter (DMM) to read ohms (lov   | w scale) and check the hold-in coil                    |
| resistance =  |  | m) OK NOT OK   |
|   | leasure between terminals "S<br>(should be 0.4 to 0.6 of                 | " and the solenoid housing:<br>mm) OKNOT OK            |
| 6. Carefully reassemble                             | e the solenoid.  |  |
| I   | ling by applying 12 volts to to<br>plunger will be drawn into t          | erminal "S" and ground to terminal he solenoid.        |
| away from betw                                      | ne plunger will be drawn in w<br>een the plunger and the soler<br>NOT OK | vith great force, so keep your fingers noid housing.   |
|   | inding by connecting 12 volts ger should be drawn into the               | s to terminal "S" and the other wire solenoid housing. |
| OK  | NOT OK   |  |
| 9. Based on the test res                            | ults, what is the necessary ac   | tion?  |