**Meets ASE Task:** (A8-C-3) P-1 Diagnose ignition system related problems such as no-starting, hard starting, engine misfire, poor driveability, spark knock, power loss, poor mileage, and emissions concerns; determine needed action.

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

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

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

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

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

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

**Electronic Ignition Diagnosis**

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**[ ]  1.** Check service information for the specified diagnostic procedures to follow when

 troubleshooting the ignition system.

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**[ ]  2.** Most test procedures specify that the spark be tested using a spark tester. Use a spark

 tester and determine that a spark does occur at each cylinder.

 Cylinder #1 **[ ]**  **OK [ ]  NOT OK [ ]** (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Cylinder #2 **[ ]**  **OK [ ]  NOT OK [ ]** (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Cylinder #3 **[ ]**  **OK [ ]  NOT OK [ ]** (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Cylinder #4 **[ ]**  **OK [ ]  NOT OK [ ]** (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Cylinder #5 **[ ]**  **OK [ ]  NOT OK [ ]** (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Cylinder #6 **[ ]**  **OK [ ]  NOT OK [ ]** (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Cylinder #7 **[ ]**  **OK [ ]  NOT OK [ ]** (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Cylinder #8 **[ ]**  **OK [ ]  NOT OK [ ]** (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  3.** Based on the test results, what is the needed

 action?

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

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

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