**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) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

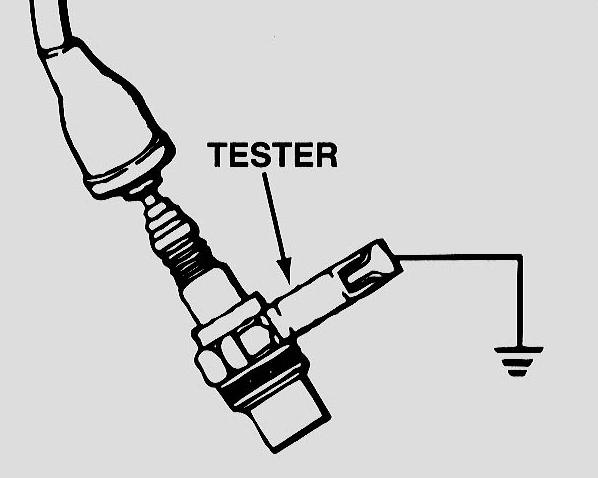
Cylinder #4  **OK  NOT OK** (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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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