**Meets ASE Task:** (A6-F-2) P-1 Inspect and test gauges and gauge sending units for causes of abnormal readings; determine needed action.

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

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

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

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

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

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

**Gauge Diagnosis**

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**[ ]  1.** Locate the wiring schematic for the dash gauge circuits and determine the color of the

 wires.

 Fuel gauge \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_

 Oil pressure coolant temperature \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_

 Color of wires to the sending unit: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  2.** Check service information and determine the specified resistance of the sending unit

 when the gas tank is full and empty.

 Full tank = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Empty tank = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  3.** Determine the resistance specification of the sending unit.

 Resistance of the sending unit when the oil pressure is high = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Resistance of the sending unit when the oil pressure is low = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  4.** Determine the specified resistance of the sensor when hot and cold.

 Resistance when the coolant is cold = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Resistance when the coolant is hot = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  5.** Based on the tests, what is the needed action?

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

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