

# Gauge Diagnosis

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

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

\_\_\_\_\_ 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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