Gauge Diagnosis

Meets NATEF Task: (A6-F-1) Inspect and test gauges and gauge sending units; determine necessary action. (P-1)

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 necessary action?

_____

_____

_____

_____