

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 sending unit: _____ and _____

Oil pressure sending unit: _____ and _____

Engine coolant temperature (ECT) sensor: _____ and _____

_____ 2. Check service information and determine the specified resistance of the fuel sending unit when the gas tank is full and empty.

Full tank = _____ Empty tank = _____

_____ 3. Determine the resistance specification of the oil sending unit.

Resistance of the oil sending unit when the oil pressure is high = _____

Resistance of the oil sending unit when the oil pressure is low = _____

_____ 4. Determine the specified resistance of the ECT 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?

