Temperature Sensors

Meets NATEF Task: (A8-B-7) Inspect and test sensors, actuators, and circuits using a graphing multimeter (GMM)/digital storage oscilloscope (DSO); perform necessary action. (P-2)

Name _____ **Date** _____ **Time on Task** _____

Make/Model/Year _____ **VIN** _____ **Evaluation:** 4 3 2 1

_____ **1.** Locate the engine coolant temperature (ECT) sensor used by the engine computer.

Wire colors = _____ and

_____ .

_____ **2.** Locate and identify these coolant temperature sensors and list their *wire color(s)* in the blanks below:

      a. sensor for dash "hot" *light* = _____ .

      b. sensor for dash temperature *gauge* = _____ .

      c. sensor for electric cooling fan = _____ .

      d. sensor for cold start injector on some fuel injected engines _____ .

      e. sensor for intake air temperature (IAT) = _____ .
        (may be located in the air cleaner)

_____ **3.** Based on the test results, what is the necessary action?

_____

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