

# 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-1)

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?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

