

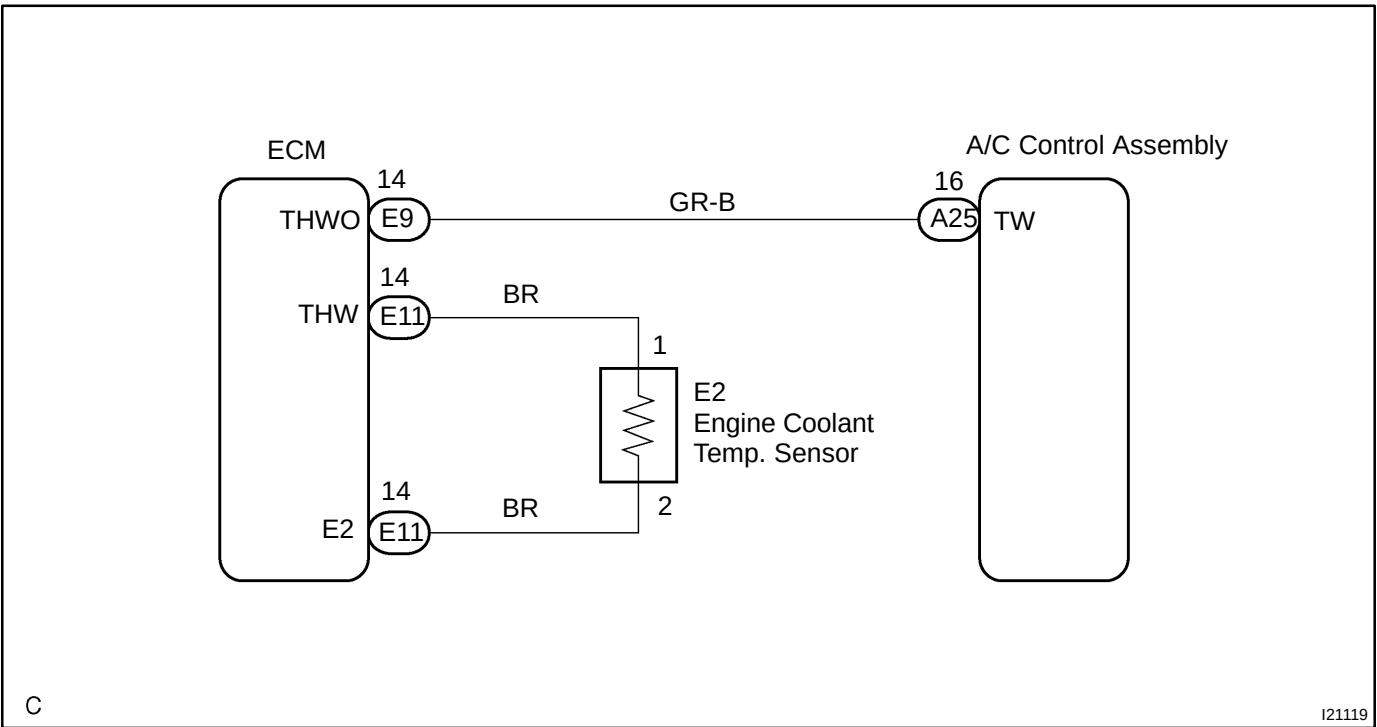
DTC	14	Engine Coolant Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

This sensor detects the engine coolant temperature and sends the appropriate signals to the A/C amplifier.

DTC No.	Detection Item	Trouble Area
14	Open or short in engine coolant temperature sensor circuit.	• Engine coolant temperature sensor. • Harness or connector between engine coolant temperature sensor and ECM. • Harness or connector between A/C amplifier and ECM. • A/C amplifier. • ECM

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Is DTC P0115 output?
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YES

Check engine coolant temperature sensor circuit (See page [DI-31](#)).

NO

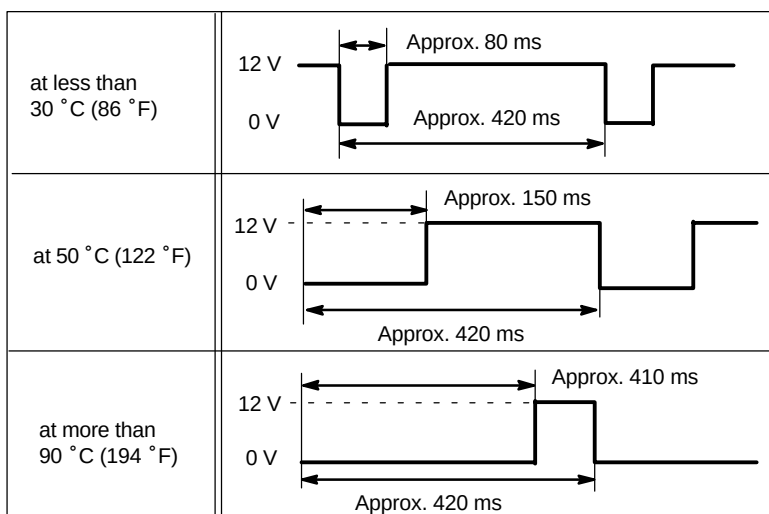
2	Check voltage between terminal TW and GND of A/C control assembly.
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REFERENCE: INSPECTION USING OSCILLOSCOPE**PREPARATION:**

- (a) Remove the A/C control assembly with connectors still connected.
- (b) Connect the oscilloscope to terminals TW and GND of A/C control assembly.

CHECK:

Measure signal between terminals TW and GND of A/C control assembly at each temperature, as shown in the chart.

OK:**Signal:****NG****Go to step 3**

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-697](#)). However, if DTC 14 is displayed, check and replace A/C amplifier.

3	Check harness and connector between A/C control assembly and ECM (See page IN-31).
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NG

Repair or replace harness or connector.

OK

Check and replace A/C control assembly.