

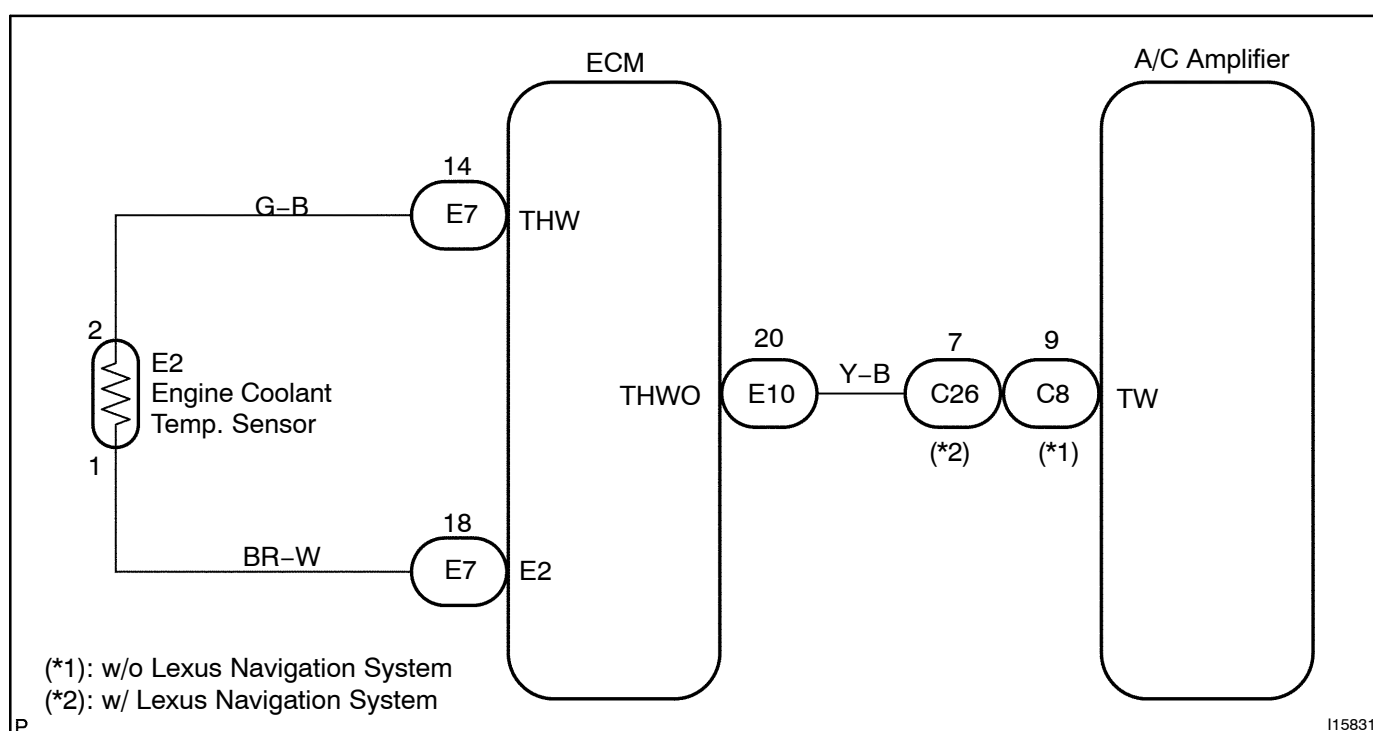
DTC	14	Engine Coolant Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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

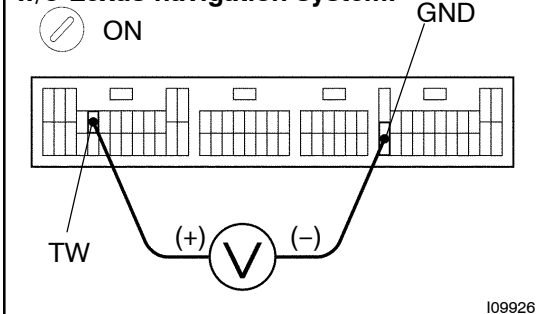
WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check voltage between terminals TW and GND of A/C amplifier connector.
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w/o Lexus navigation system:

**PREPARATION:**

Remove A/C amplifier with connectors still connected.

CHECK:

- (a) Turn ignition switch to ON.
- (b) Measure voltage between terminals TW and GND of A/C amplifier connector at each temperature.

OK:**Voltage :**

at 25°C (77°F) : 1.8 – 2.2 V

at 40°C (104°F) : 1.2 – 1.6 V

HINT:

As the temperature increases, the voltage decreases.

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Go to step 3.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-956](#)). However, if DTC 14 is displayed, check and replace A/C amplifier.

2	Check engine coolant temperature sensor circuit (See page DI-34).
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Replace engine coolant temperature sensor.

OK

3	Check harness and connector between A/C amplifier and ECM (See page IN-34).
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Repair or replace harness or connector.

OK

Check and replace A/C amplifier.