

DTC	RrDEF, F/D	Water Temperature Sensor Circuit
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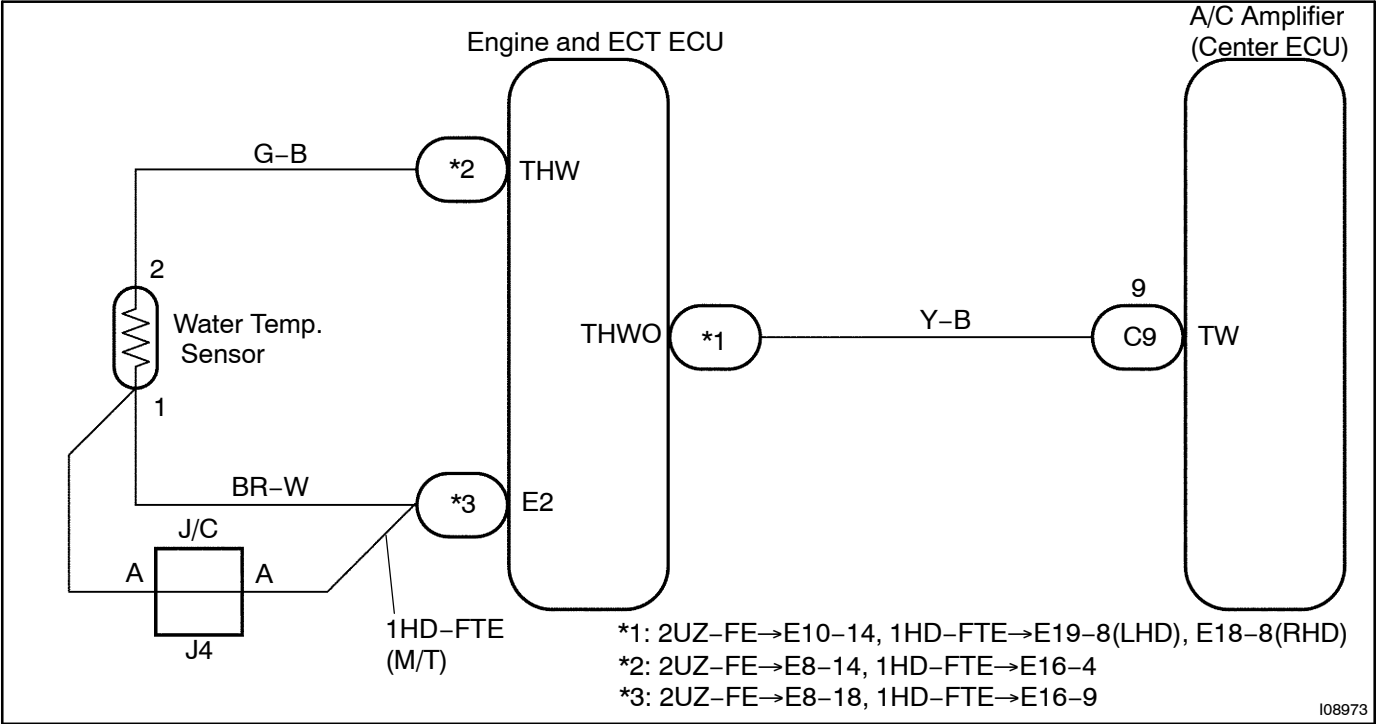
DTC	14	Water Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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

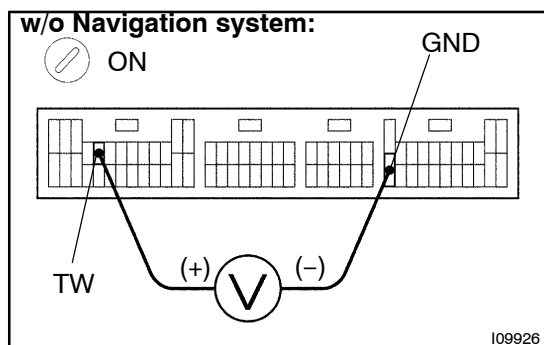
Blinking light	Detection Item	Trouble Area
RrDEF F/D	Open or short in water temperature sensor circuit.	• water temperature sensor • Harness or connector between water temperature sensor and ECM • Harness or connector between A/C amplifier and ECM • A/C amplifier • ECM
DTC No.	Detection Item	Trouble Area
14	Open or short in water temperature sensor circuit.	• water temperature sensor • Harness or connector between water 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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**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 water temperature.

OK:

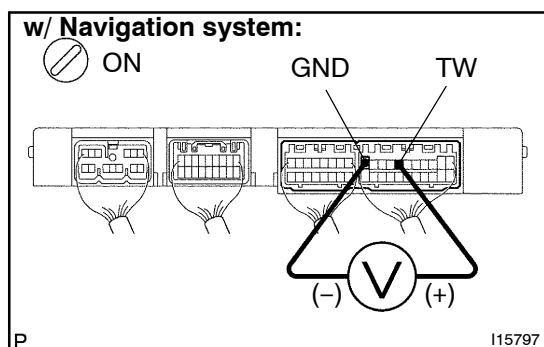
Voltage :

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.



NG

Go to step 3.

OK

Proceed to next circuit inspection shown on problem symptoms table ([See page DI-130](#)). However, if RrDEF and F/D indicators light up (or DTC 14 is displayed), check and replace amplifier.

2	Check water temperature sensor circuit (Refer Engine Repair Manual).
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NG

Replace water temperature sensor.

OK

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