

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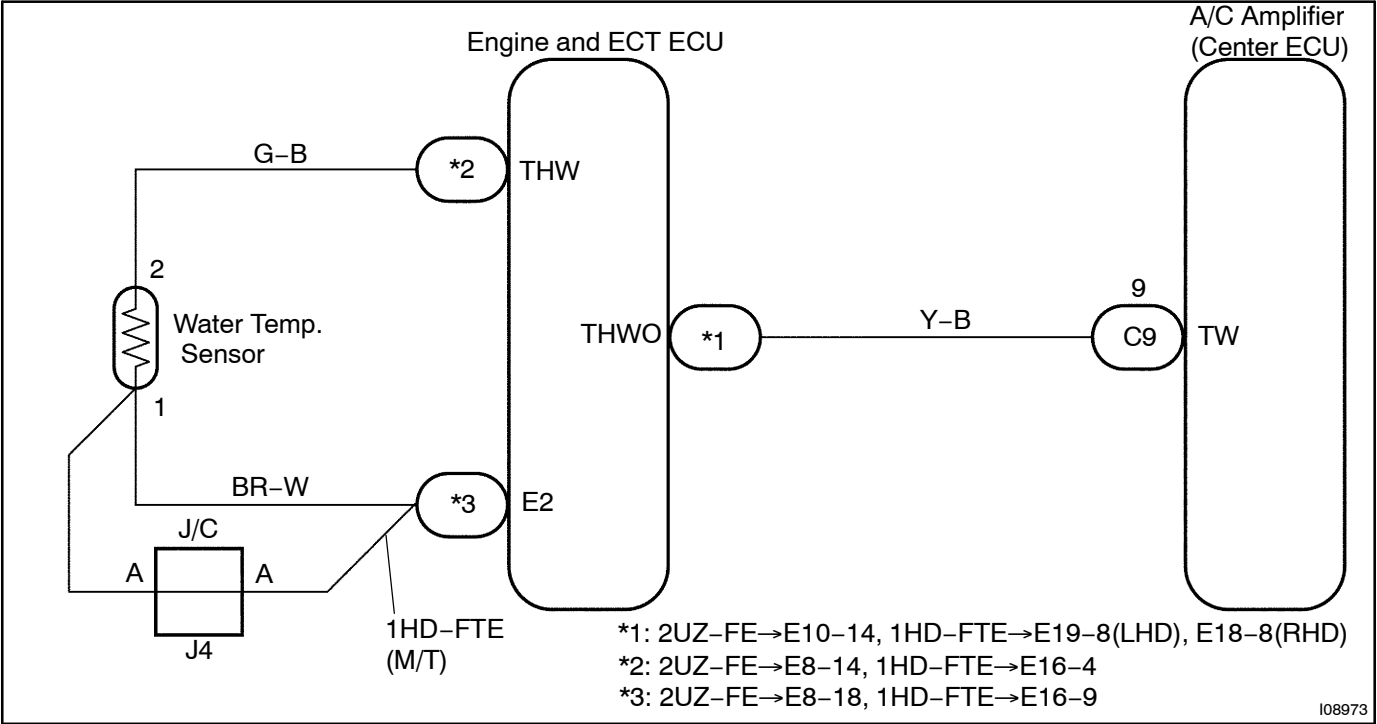
DTC	14	Water Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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

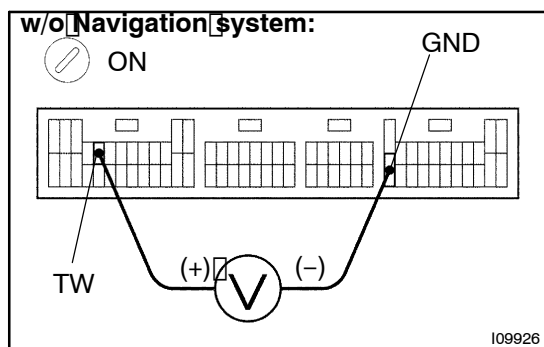
Blinking light	Detection Item	Trouble Area
RrDEF F/D	Open or short in water temperature sensor circuit.	<ul style="list-style-type: none">• water temperature sensor• Harness or connector between water temperature sensor and ECM• Harness or connector between A/C amplifier and ECM• A/C amplifier• ECM
DTC No.	Detection Item	Trouble Area
14	Open or short in water temperature sensor circuit.	<ul style="list-style-type: none">• 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.

**PREPARATION:**

Remove A/C amplifier with connectors still connected.

CHECK:

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

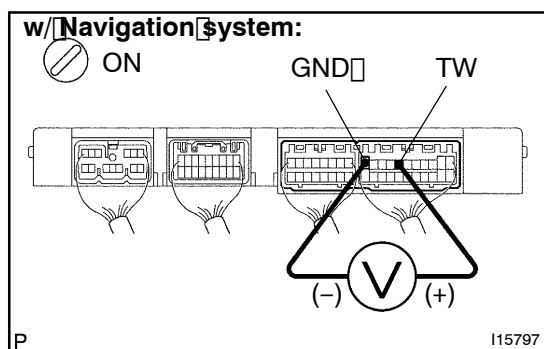
OK:**Voltage**

at 25°C (77°F) 1.8 – 2.2V

at 40°C (104°F) 1.2 – 1.6V

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-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).

NG

Replace water 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.