

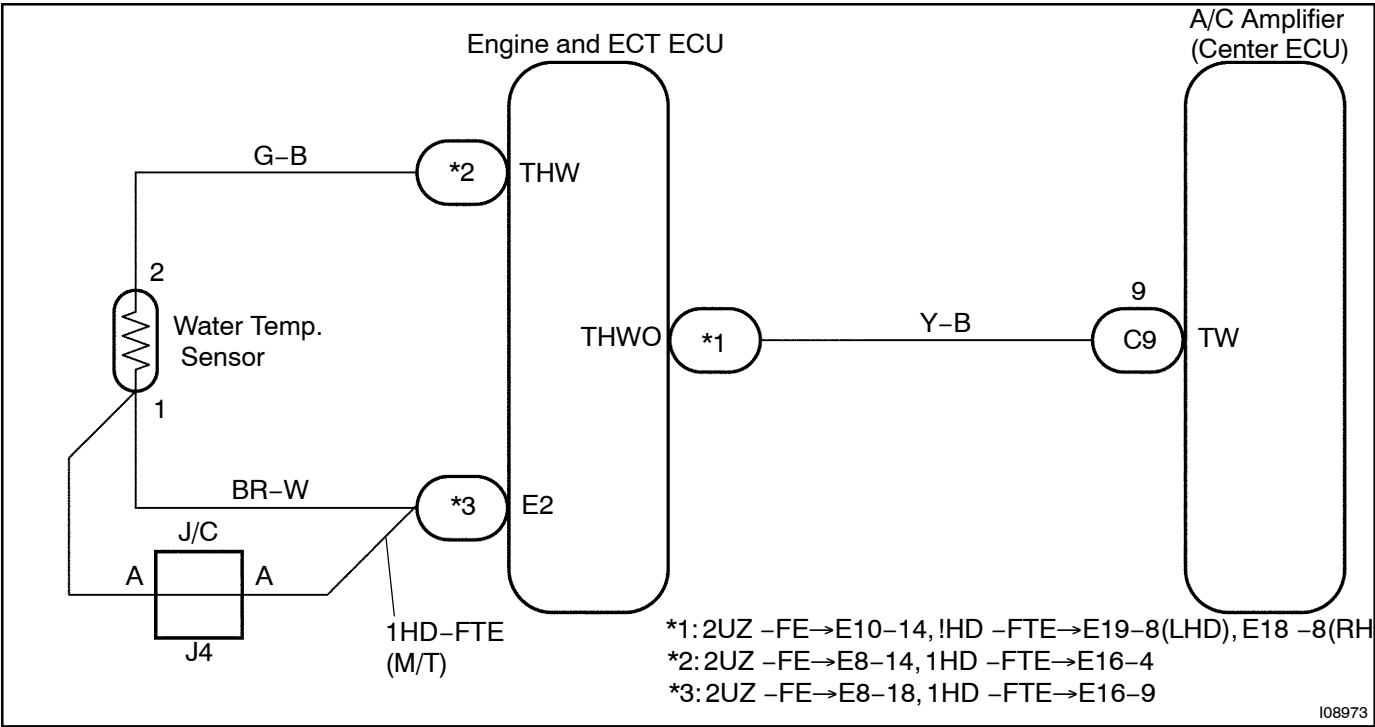
DTC	RrDEF, F/D	Water Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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

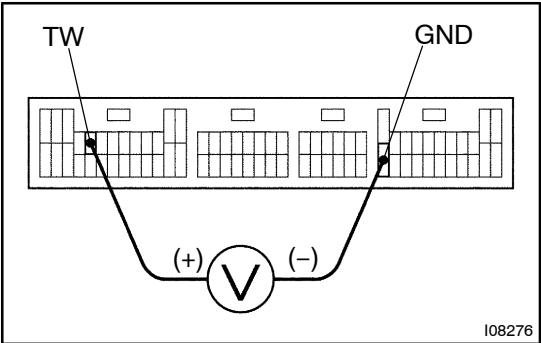
Blinking light	Detection Item	Trouble Area
RrDEF F/D	Open or short in engine coolant temperature sensor circuit.	<ul style="list-style-type: none"> • Engine coolant temperature sensor. • Harness or connector between engine coolant temperature sensor and ECM. • Harness or connector between A/C amplifier 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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PREPARATION:

Remove A/C amplifier with connectors still connected.

CHECK:

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

OK:

Voltage :

at 25 °C (77 °F): 1.8 – 2.2V

at 40 °C (104 °F): 1.2 – 1.6V

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-859](#)). However, if RrDEF and F/D indicator light is light up, check and replace A/C amplifier.

2

Check engine coolant temperature sensor circuit (Refer to Engine Repair Manual).

NG

Replace engine coolant temperature sensor.

OK

3

Check harness and connector between A/C amplifier and ECM ([See page IN-35](#)).

NG

Repair or replace harness or connector.

OK

Check and replace A/C amplifier.