

CIRCUIT INSPECTION

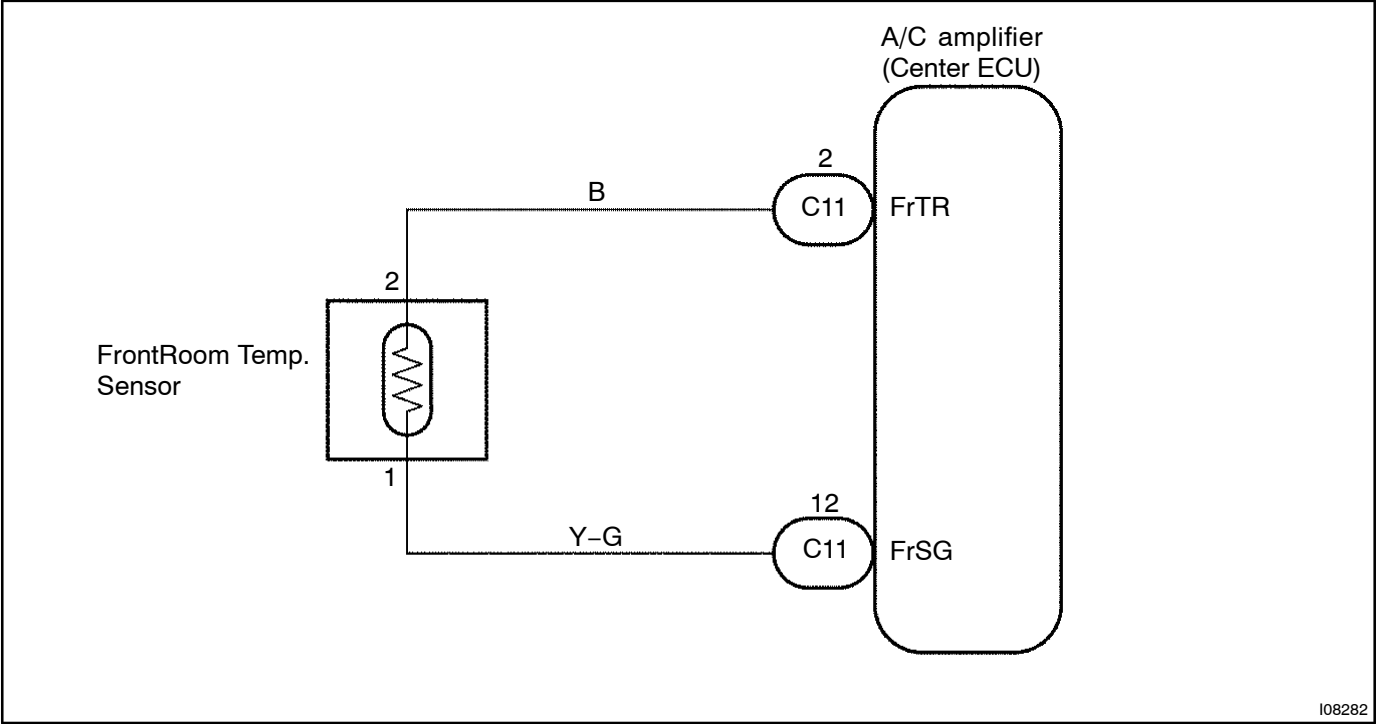
DTC	RrDEF, FACE	Front Room Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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

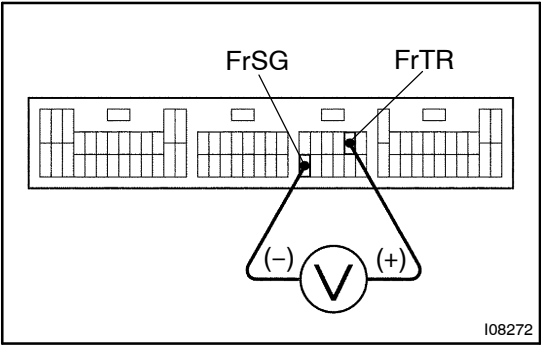
Blinking light	Detection Item	Trouble Area
RrDEF FACE	Open or short in front room temperature sensor circuit.	<ul style="list-style-type: none">• Front room temperature sensor.• Harness or connector between front room temperature sensor and A/C amplifier.• A/C amplifier.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check voltage between terminals FrTR and FrSG of A/C amplifier connector.
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PREPARATION:

Remove A/C amplifier with connectors still connected.

CHECK:

- (a) Turn ignition switch ON.
- (b) Measure voltage between terminals FrTR and FrSG 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

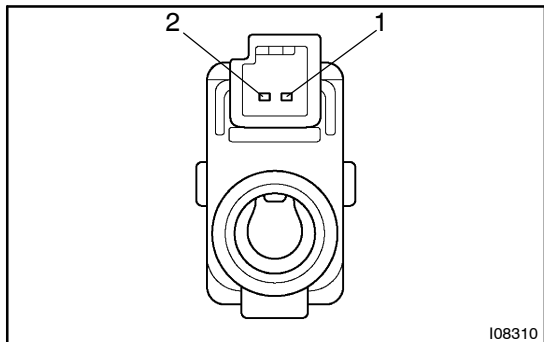
HINT:

As the temperature increases, the voltage decreases.

NG	Go to step 3.
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OK

Proceed to next circuit inspection shown on problem symptoms table ([See page DI-859](#)). However, if RrDEF and FACE indicator light is light up, check and replace A/C amplifier.

2 Check front room temperature sensor.**PREPARATION:**

Disconnect room temperature sensor connector.

CHECK:

Measure resistance between terminals 1 and 2 of room temperature sensor connector at each temperature.

OK:**Resistance :**

at 25° C (77° F) : 1.65 – 1.75 k Ω

at 50° C (122° F) : 0.55 – 0.65 k Ω

HINT:

As the temperature increases, the resistance decreases.

NG**Replace front room temperature sensor.****OK****3 Check harness and connector between A/C amplifier and front room temperature sensor (See page IN-35).****NG****Repair or replace harness or connector.****OK****Check and replace A/C amplifier.**