

CIRCUIT INSPECTION

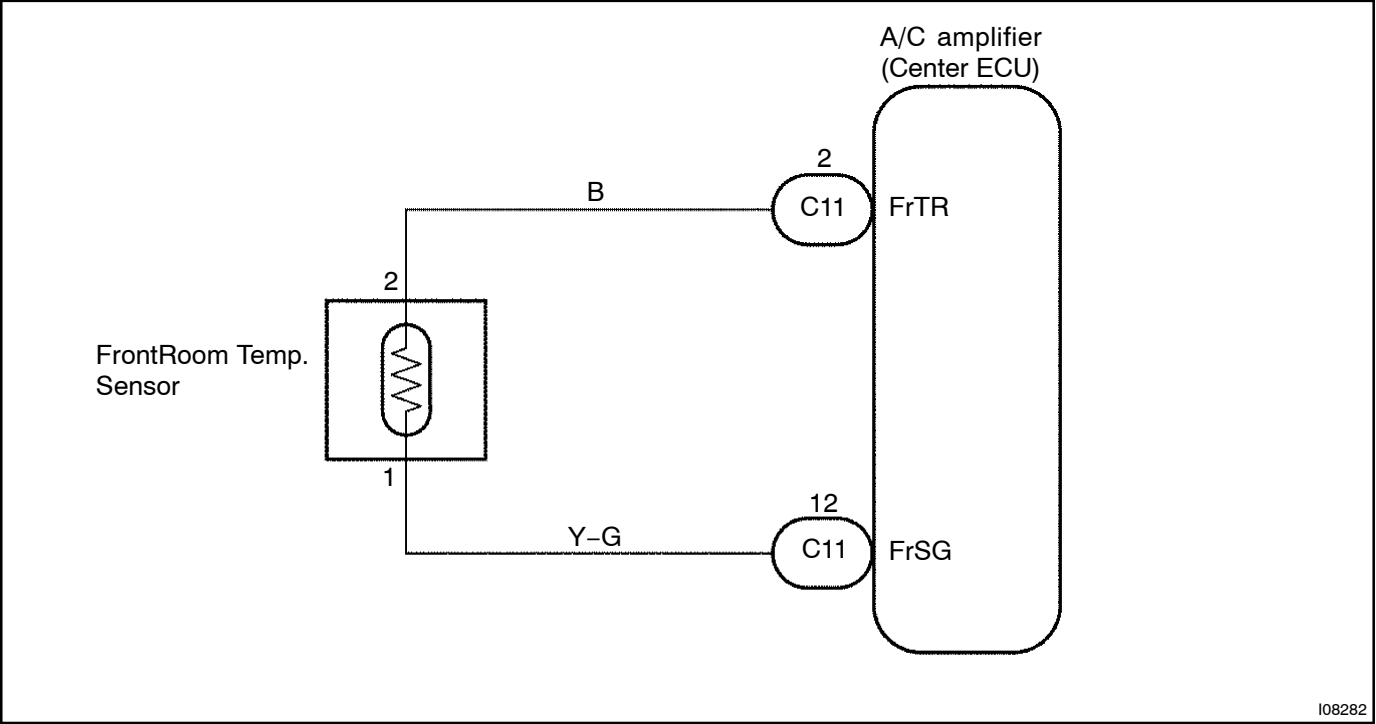
DTC	RrDEF, FACE	Front Room Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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

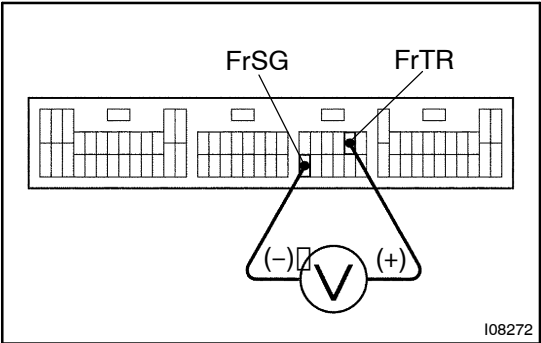
Blinking light	Detection Item	Trouble Area
RrDEF FACE	Open or short in front room temperature sensor circuit.	<ul style="list-style-type: none"><li>• Front room temperature sensor.</li><li>• Harness or connector between front room temperature sensor and A/C amplifier.</li><li>• A/C amplifier.</li></ul>

WIRING DIAGRAM



INSPECTION PROCEDURE

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



**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 - 2.2V

at 40°C (104°F) 1.2 - 1.6V

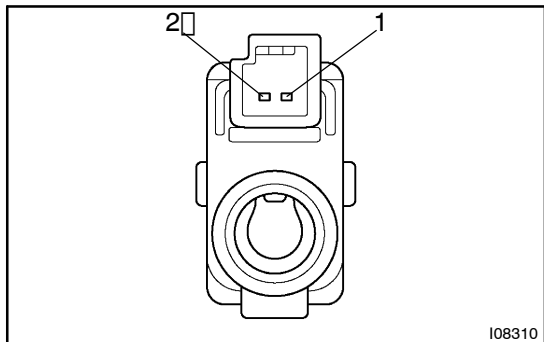
**HINT:**

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 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 kΩ

at 50°C (122°F) 0.55 – 0.65 kΩ

**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.**