

CIRCUIT INSPECTION

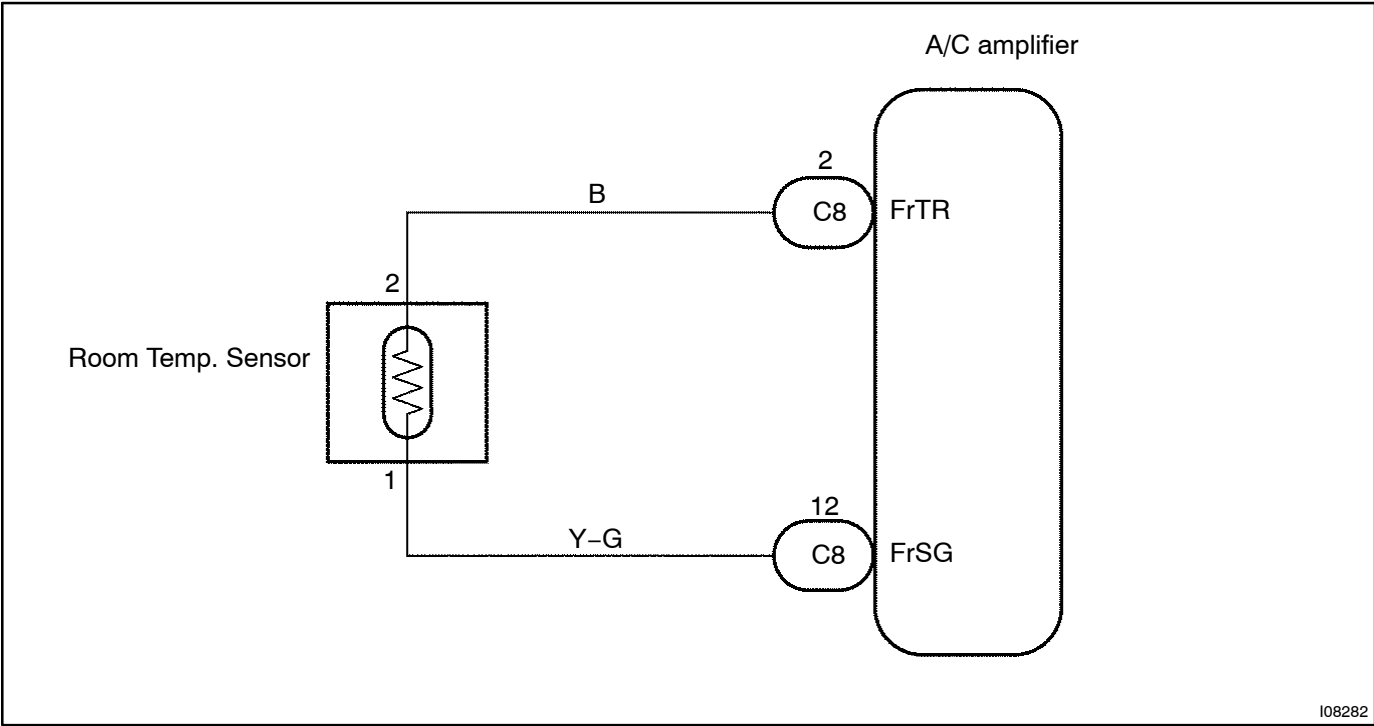
DTC	RrDEF, FACE	Room Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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 room temperature sensor circuit.	- Room temperature sensor - Harness or connector between room temperature sensor and A/C amplifier - A/C amplifier

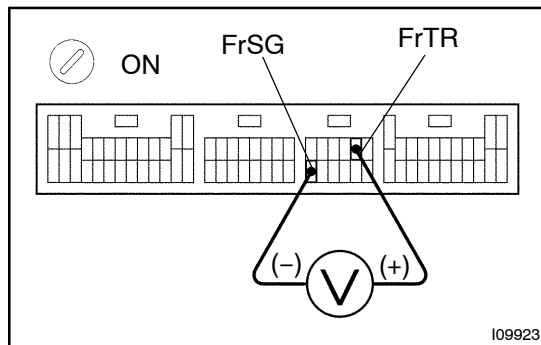
WIRING DIAGRAM



I08282

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 to 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:

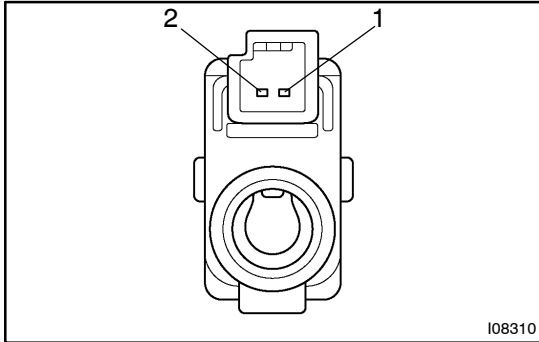
As the temperature increases, the voltage decreases.

NG

Go to step 2.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-771](#)). However, if RrDEF and FACE indicators light up, check and replace A/C amplifier.

2**Check 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 room temperature sensor.****OK****3****Check harness and connector between A/C amplifier and room temperature sensor (See page [IN-34](#)).****NG****Repair or replace harness or connector.****OK****Check and replace A/C amplifier.**