

DTC	RrACSW, FACE	Rear Room Temperature Sensor Circuit
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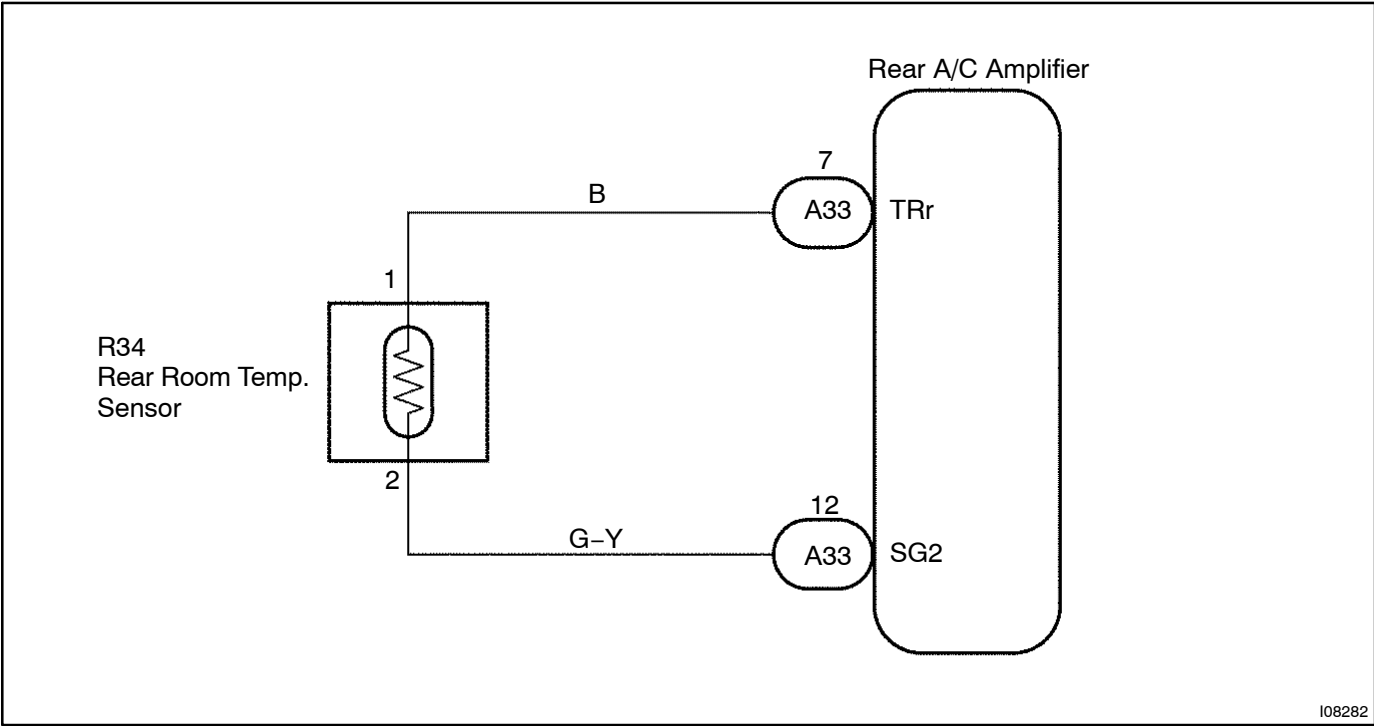
DTC	19	Rear Room Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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

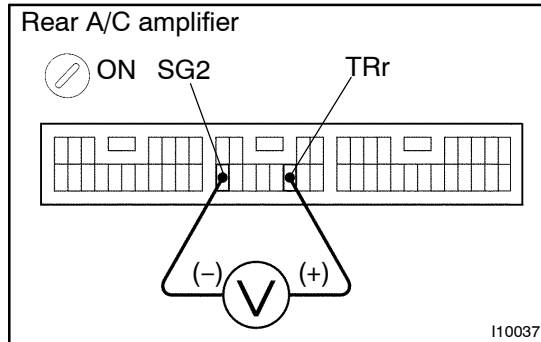
Blinking light	Detection Item	Trouble Area
RrACSW, FACE	Open or short in rear room temperature sensor circuit.	• Rear room temperature sensor. • Harness or connector between rear room temperature sensor and rear A/C amplifier. • Rear A/C amplifier.
DTC No.	Detection Item	Trouble Area
19	Open or short in rear room temperature sensor circuit.	• Rear room temperature sensor. • Harness or connector between rear room temperature sensor and rear A/C amplifier. • Rear A/C amplifier.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check voltage between terminals TRr and SG2 of A/C amplifier connector.
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**PREPARATION:**

Remove rear A/C amplifier with connectors still connected.

CHECK:

- (a) Turn ignition switch to ON.
- (b) Measure voltage between terminals TRr and SG2 of rear 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.

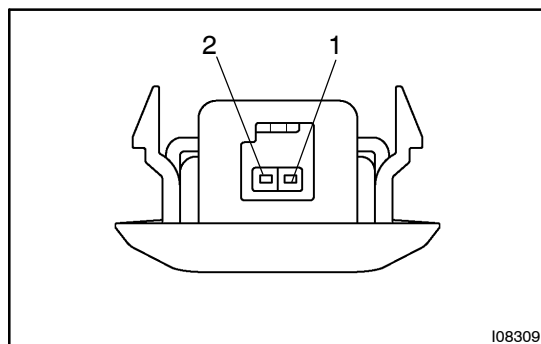
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Go to step 3.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-908](#)). However, if RrACSW and FACE indicators light up (or DTC19 is displayed), check and replace A/C amplifier.

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

Disconnect rear 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.

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Replace rear room temperature sensor.

OK

3	Check harness and connector between rear A/C amplifier and rear room temperature sensor (See page IN-34).
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Repair or replace harness or connector.

OK

Check and replace A/C amplifier.