

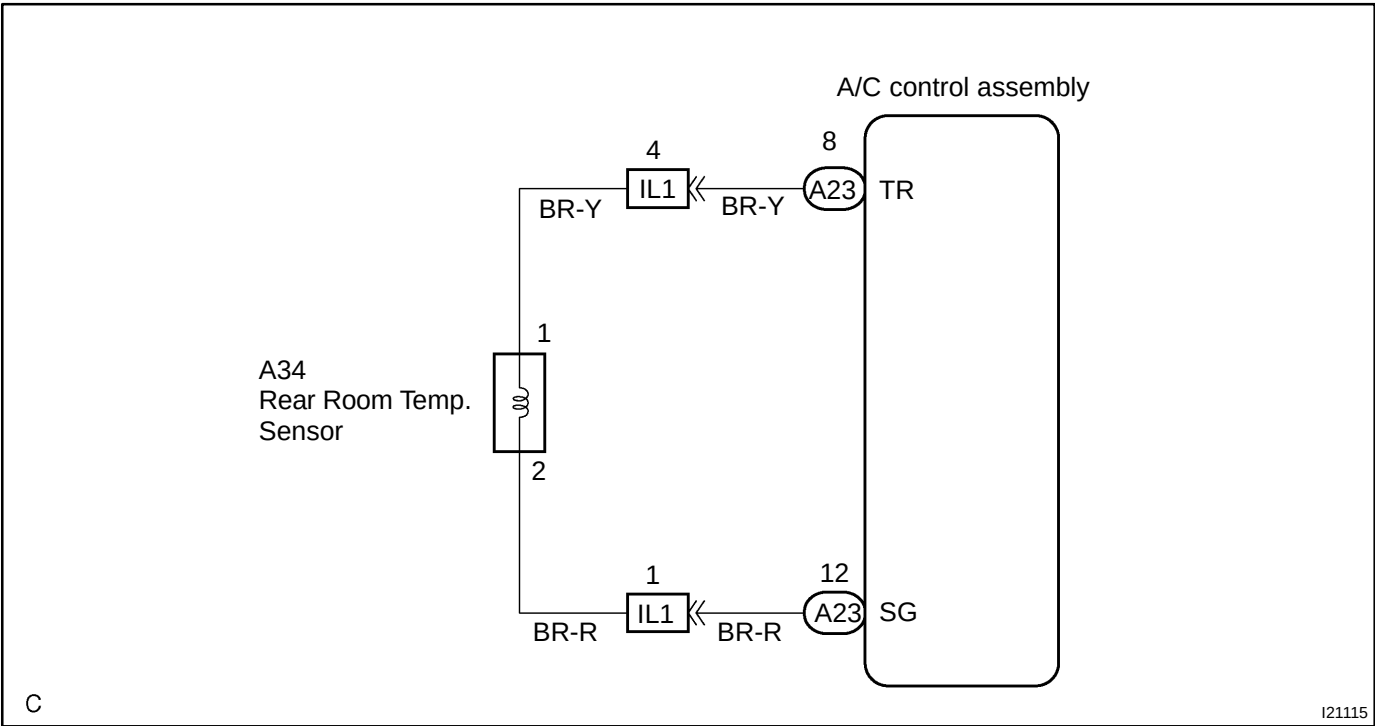
DTC	19	Rear Room Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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

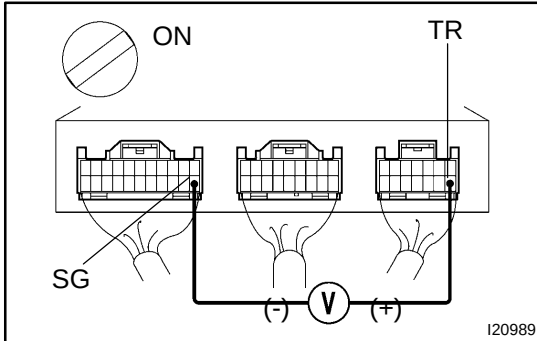
DTC No.	Detection Item	Trouble Area
19	Open or short in rear room temperature sensor circuit.	•Rear room temperature sensor. •Harness or connector between rear room temperature sensor and A/C control assembly. •A/C control assembly.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check voltage between terminals TR and SG of A/C control assembly connector.
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**PREPARATION:**

Remove A/C control assembly with connectors still connected.

CHECK:

- (a) Turn ignition switch ON.
- (b) Measure voltage between terminals TR and SG of A/C control assembly 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.

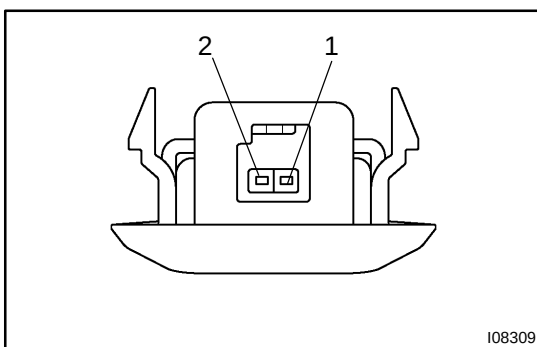
NG

Go to step 3.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-697](#)). However, if DTC19 is displayed, check and replace A/C control assembly.

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:

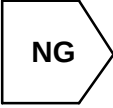
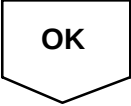
As the temperature increases, the resistance decreases.

NG

Replace rear room temperature sensor.

OK

3	Check harness and connector between A/C control assembly and rear room temperature sensor (See page IN-31).
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A rectangular box with a right-pointing arrow shape on its right side, containing the text "NG".A rectangular box containing the text "Repair or replace harness or connector."A rectangular box with a downward-pointing arrow shape on its bottom side, containing the text "OK".A rectangular box containing the text "Check and replace A/C control assembly."