

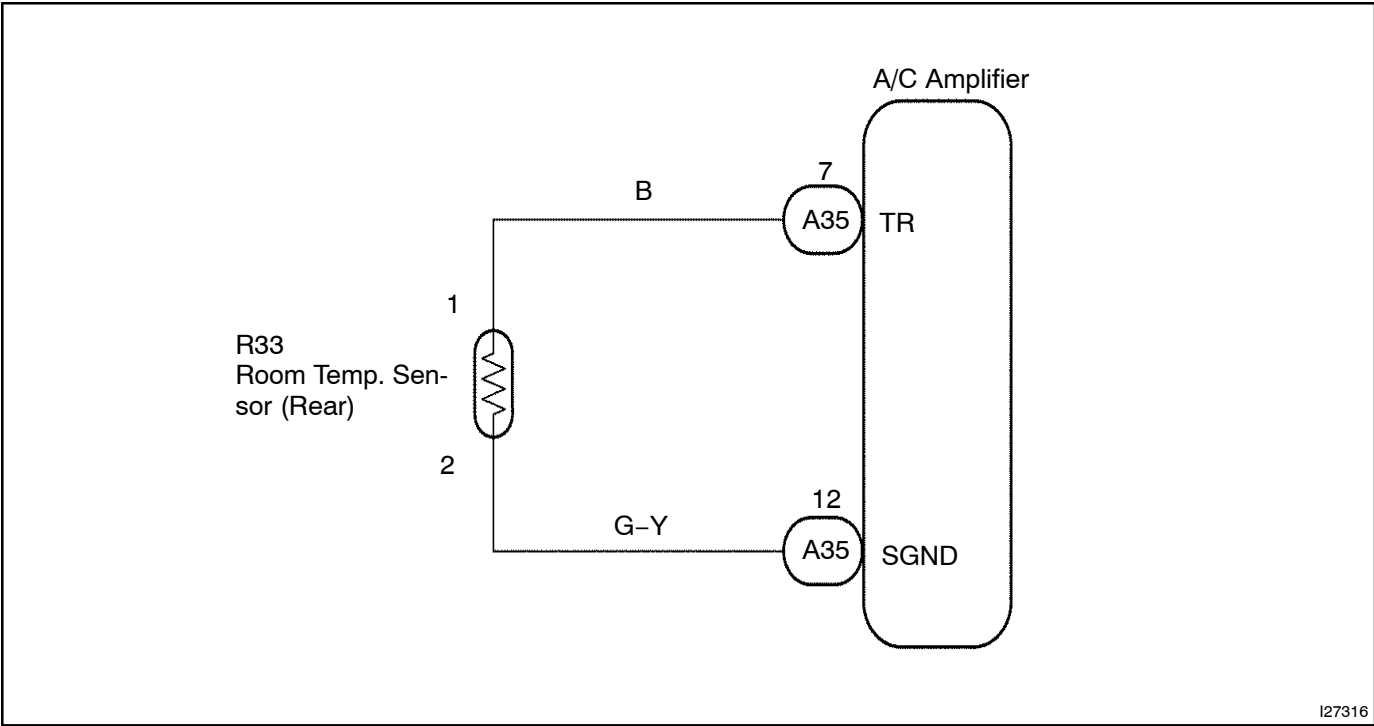
DTC	19	Rear Room Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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

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

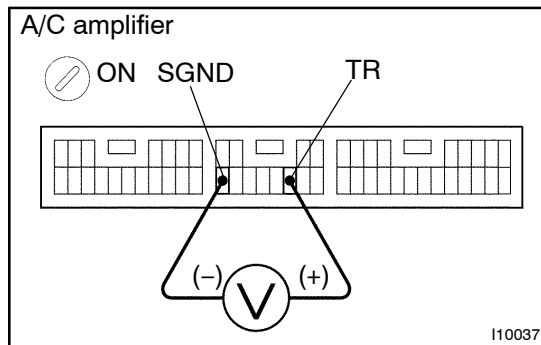
WIRING DIAGRAM



I27316

INSPECTION PROCEDURE

1	Check voltage between terminals TR and SGND of A/C amplifier.
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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 TR and SGND 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.

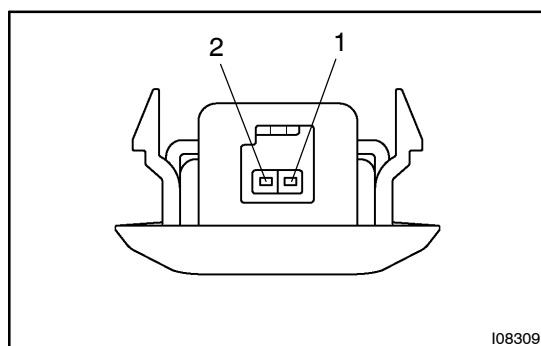
NG

Go to step 2.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-1722](#)). However, if DTC 19 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:

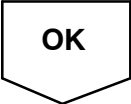
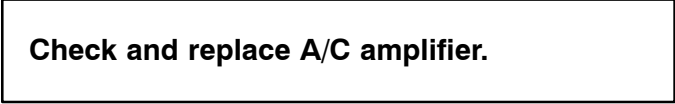
As the temperature increases, the resistance decreases.

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Replace rear room temperature sensor.

OK

3	Check harness and connector between A/C amplifier and rear room temperature sensor (See page IN-36).
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NGRepair or replace harness or connector.OKCheck and replace A/C amplifier.