

CIRCUIT INSPECTION

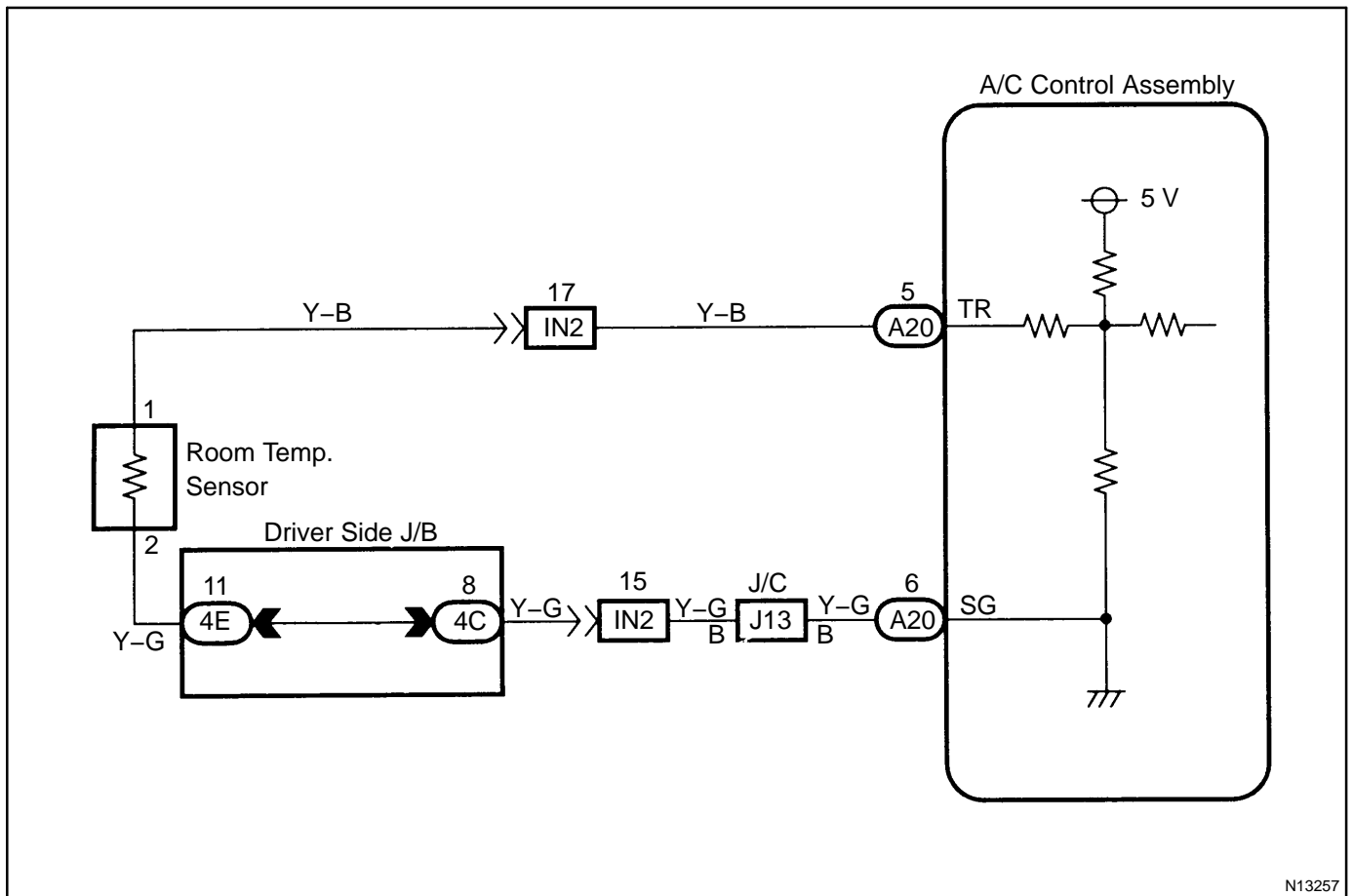
DTC	B1411	Room Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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

DTC No.	Detection Item	Trouble Area
B1411	Open or short in room temperature sensor circuit.	<ul style="list-style-type: none"> Room temperature sensor. Harness or connector between room temperature sensor and A/C control assembly. A/C control assembly.

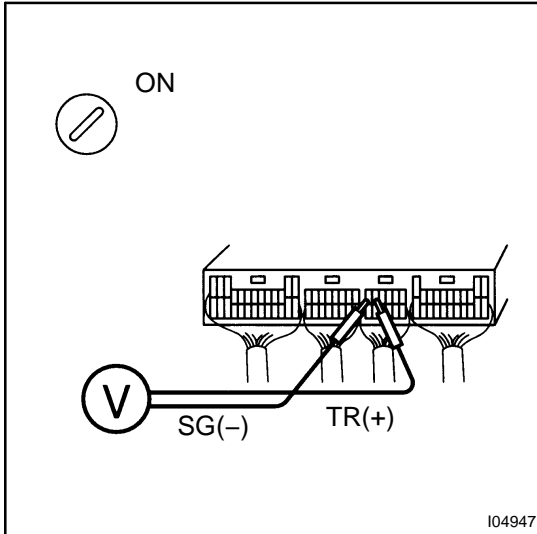
WIRING DIAGRAM



N13257

INSPECTION PROCEDURE

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

**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:

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.

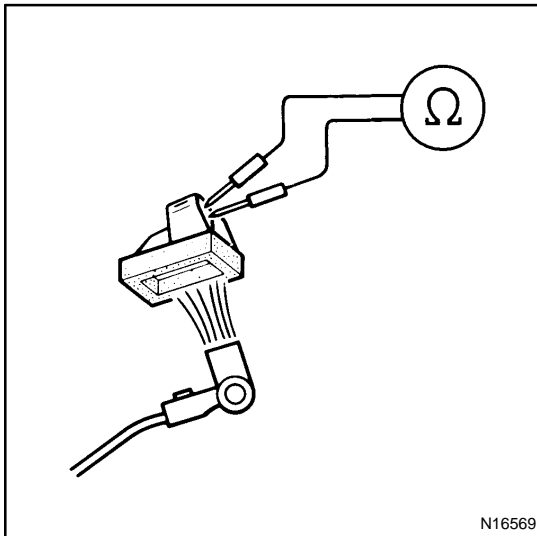
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Go to step 2.

OK

Proceed to next circuit inspection shown on problem symptoms tables (See page [DI-952](#)). However, if DTC B1411 is displayed, check and replace A/C control assembly.

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

- (a) Remove instrumental panel No.1 under cover.
- (b) Disconnect room temperature sensor connector.

CHECK:

Check 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 room temperature sensor.

OK

3	Check harness and connector between A/C control assembly and room temperature sensor (See page IN-30).
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Repair or replace harness or connector.

OK

Check and repair A/C control assembly.
