

CIRCUIT INSPECTION

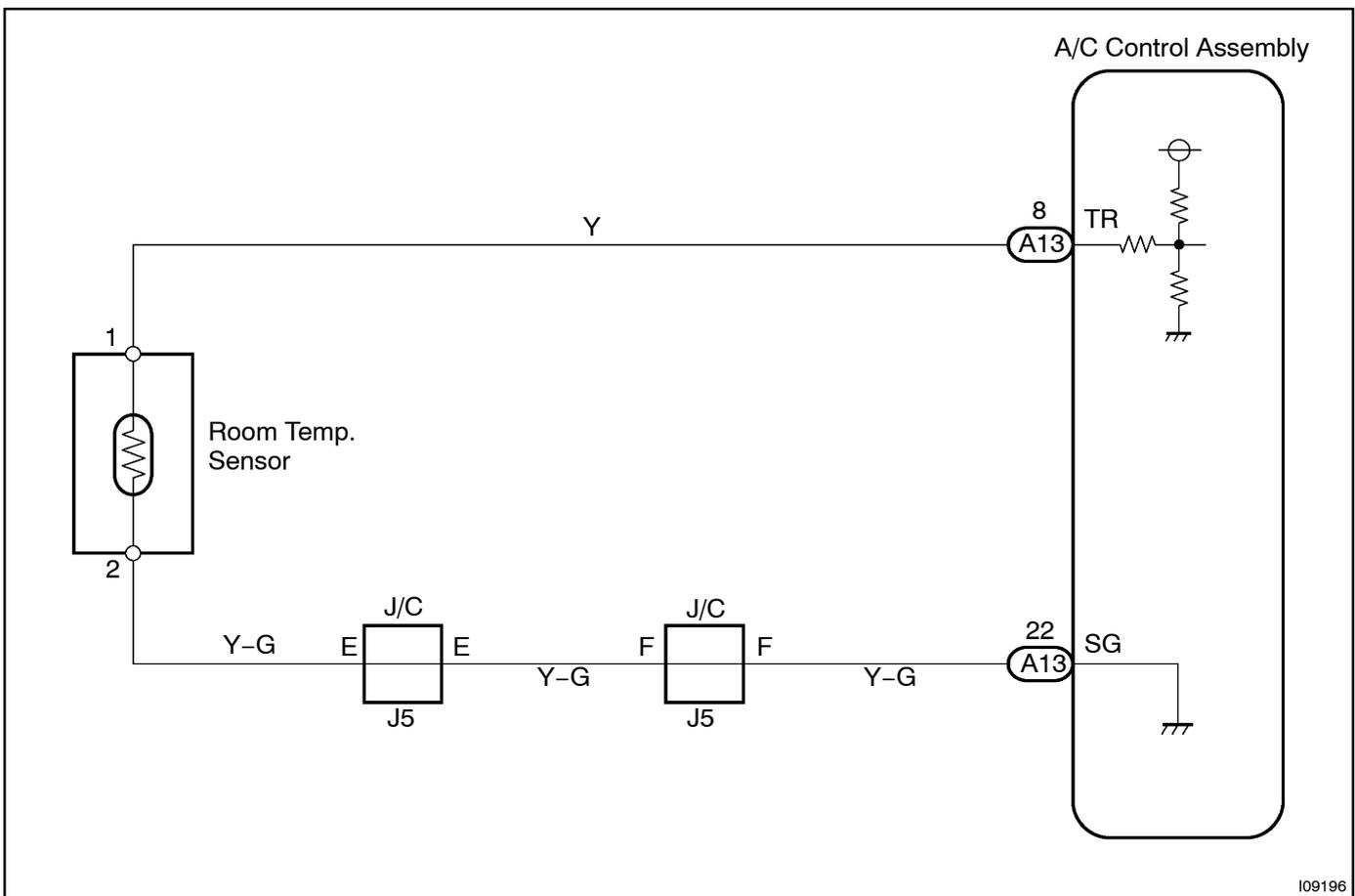
DTC	11	Room Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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
11	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.

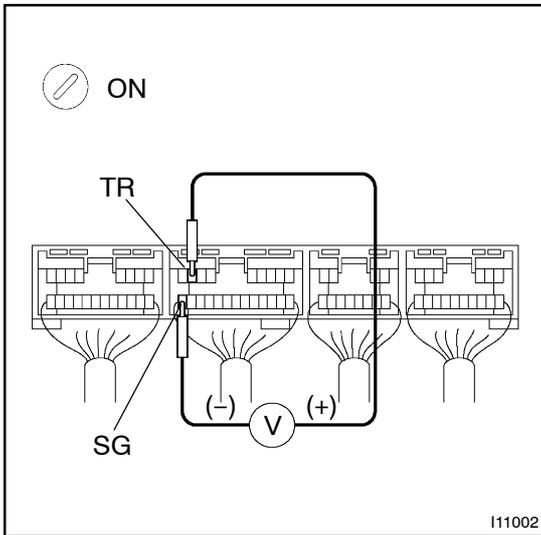
WIRING DIAGRAM



109196

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:

- Turn ignition switch to ON.
- Measure voltage between terminals TR and SG of A/C control assembly connector at each cabin 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.

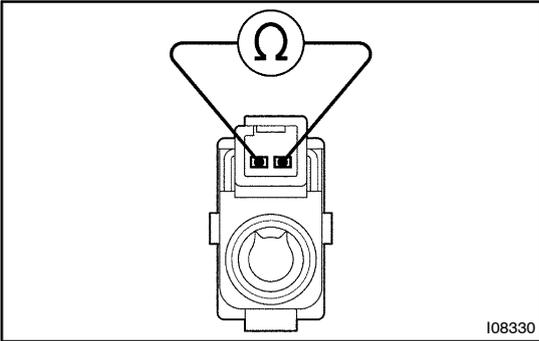
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Go to step 2.

OK

Proceed to next circuit inspection shown on problem symptoms tables (See page DI-780). However, if DTC 11 is displayed, check and replace A/C control assembly.

2 Check room temperature sensor.



PREPARATION:

- (a) Remove instrumental panel lower pad RH.
- (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 N-30).

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Repair or replace harness or connector.

OK

Replace A/C control assembly.