

CIRCUIT INSPECTION

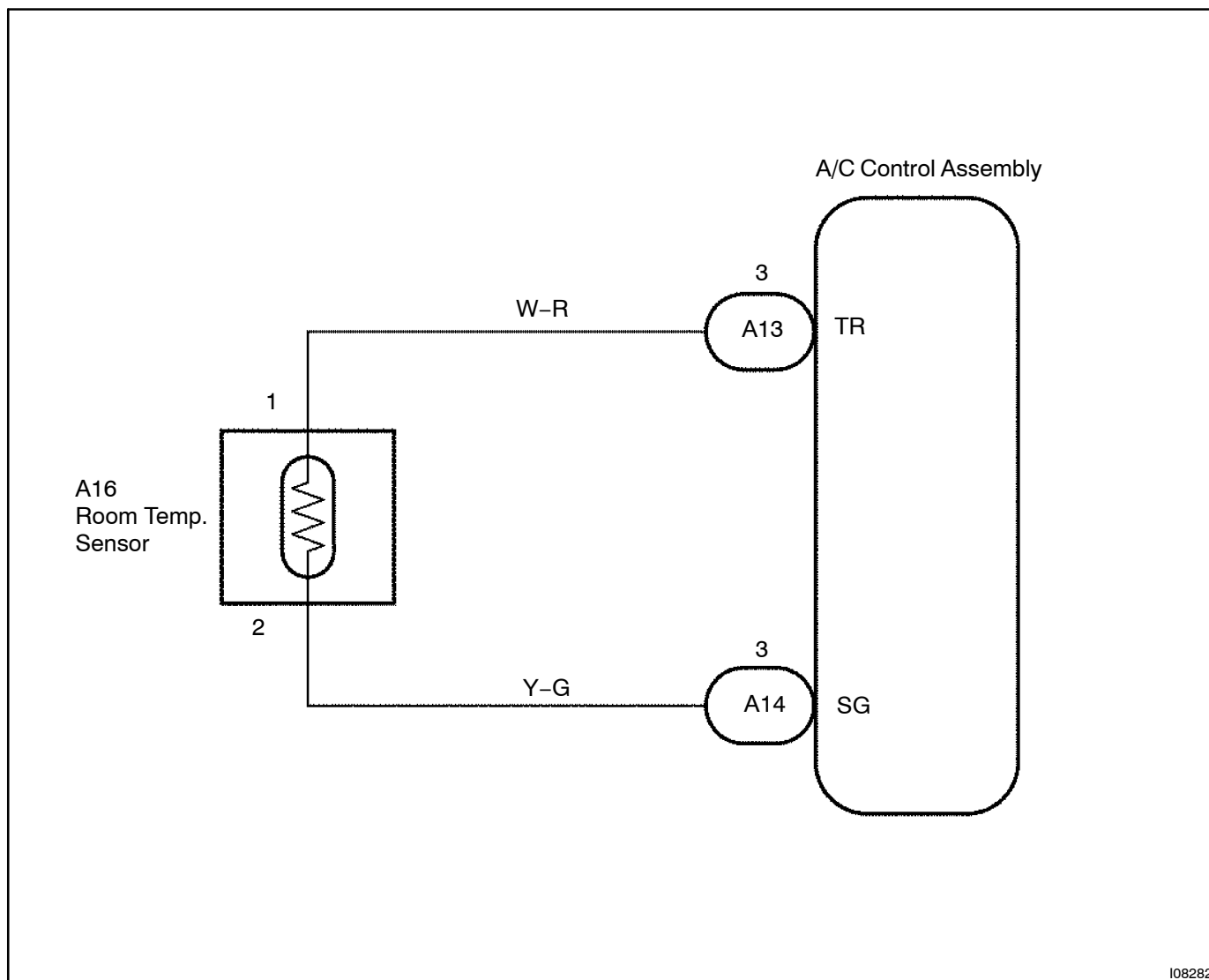
DTC	11	Room Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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

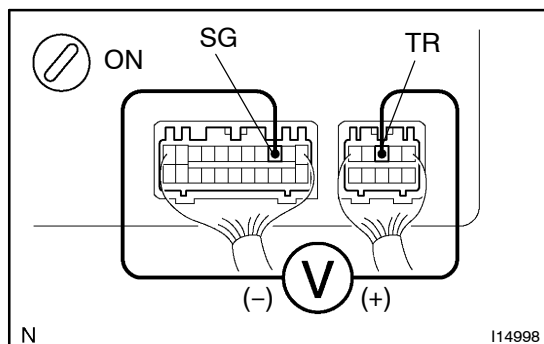
DTC No.	Detection Item	Trouble Area
11	Open or short in room temperature sensor circuit.	• Room temperature sensor. • Harness or connector between room temp. sensor and A/C control assembly. • A/C control assembly.

WIRING DIAGRAM



INSPECTION PROCEDURE

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

**PREPARATION:**

- (a) Remove A/C control assembly with connectors still connected.
- (b) Turn the ignition switch ON.

CHECK:

Check 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.

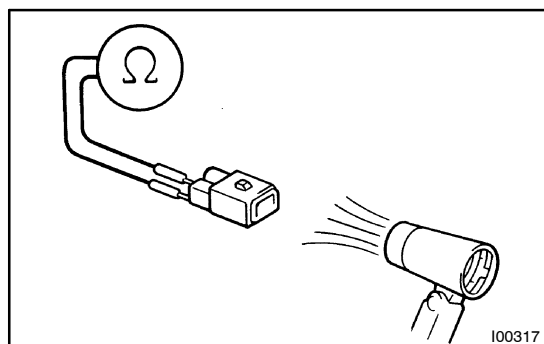
NG

Go to step 2.

OK

Proceed to next circuit inspection shown on problem symptoms table ([See page DI-432](#)). However, if DTC 11 is displayed, check and replace A/C control assembly.

2 Check room temperature sensor.

**PREPARATION:**

Remove room temperature sensor ([See page AC-58](#)).

CHECK:

Check resistance between terminals 1 and 2 of room temperature sensor connector at each temperature.

OK:

at 25 °C (77 °F) : 1.6 – 1.8 kΩ

at 40 °C (104 °F) : 0.5 – 1.7 kΩ

HINT:

As the temperature increases, the resistance decreases.

NG

Replace room temperature sensor.

OK

3**Check harness and connector between A/C control assembly and room temperature sensor ([See page IN-20](#)).****NG****Repair or replace harness or connector.****OK****Check and replace A/C control assembly.**