DI6S2–01

CIRCUIT INSPECTION

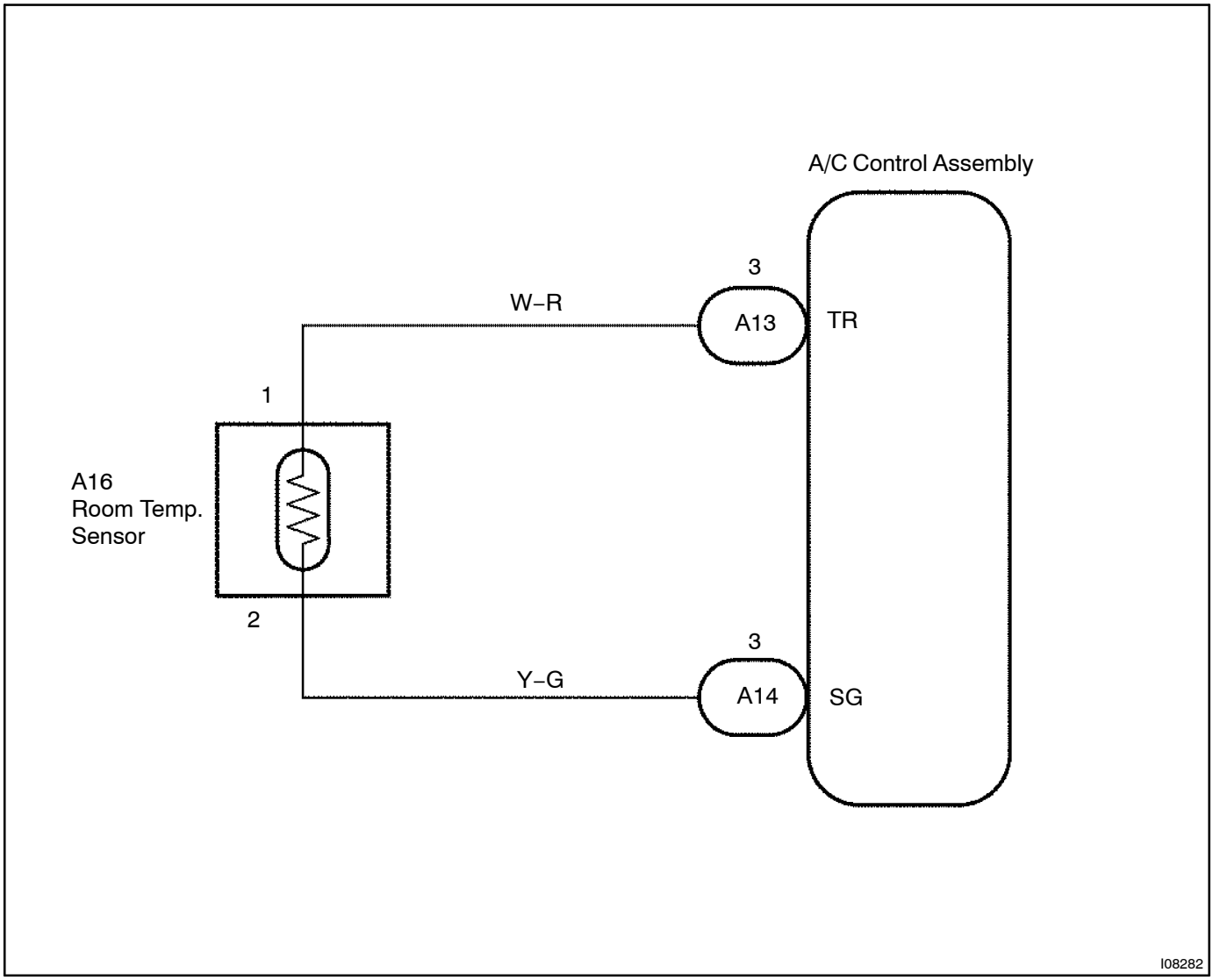
DTC	11	Room Temperature Sensor Circuit

CIRCUIT DESCRIPTION

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

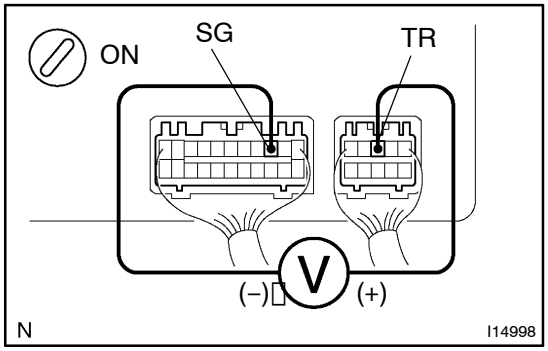
DTC No.	Detection Item	Trouble Area
11	Open or short in room temperature sensor circuit.	• Room temperature sensor. • Harness or connector between room temp. sensor and A/C control assembly. • A/C control assembly.

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:

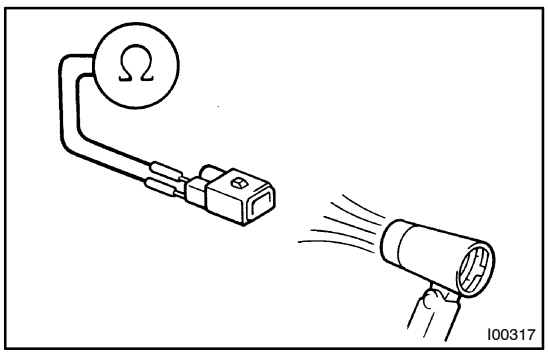
As the temperature increases, the voltage decreases.

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.