

## CIRCUIT INSPECTION

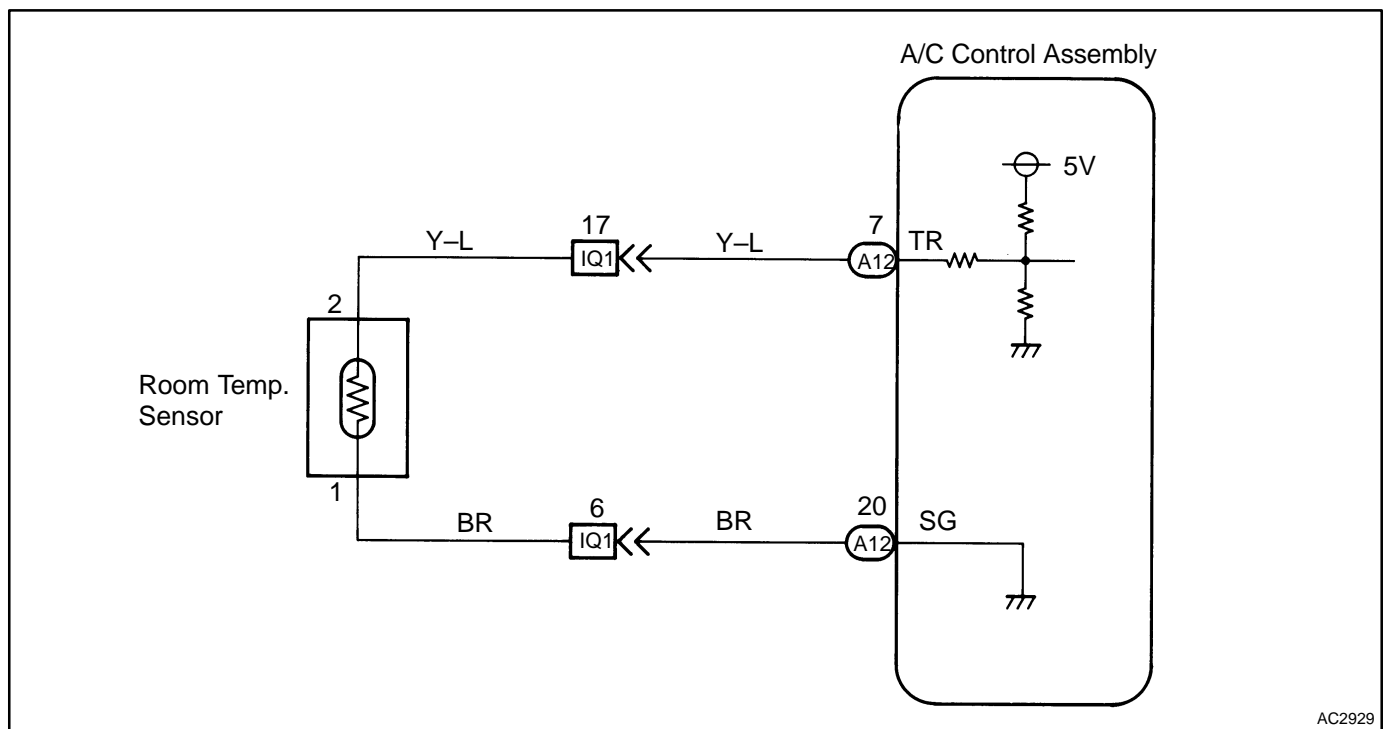
<b>DTC</b>	<b>11</b>	<b>Room Temperature Sensor Circuit</b>
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## CIRCUIT DESCRIPTION

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

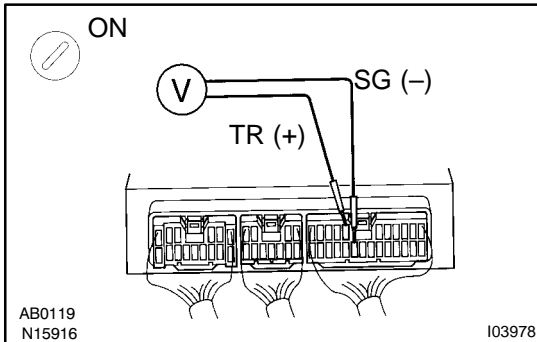
DTC No.	DTC Detecting condition	Trouble Area
11	Open or short in room temperature sensor circuit.	<ul style="list-style-type: none"> <li>Room temperature sensor.</li> <li>Harness or connector between room temp. sensor and A/C control assembly.</li> <li>A/C control assembly.</li> </ul>

## WIRING DIAGRAM



## INSPECTION PROCEDURE

- |          |  |
|----------|--|
| <b>1</b> | <b>Check voltage between terminals TR and SG of air conditioning control assembly connector.</b> |
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### PREPARATION:

- Remove A/C Control Assembly with connectors still connected.
- Turn ignition switch ON.

### CHECK:

Check voltage between terminals TR and SG of air conditioning control assembly 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:

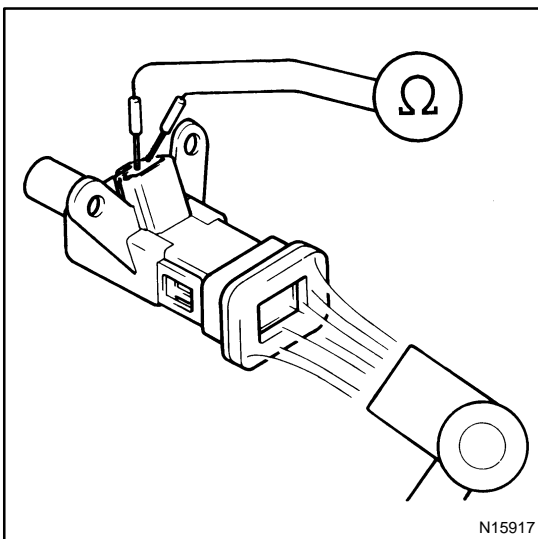
As the temperature increases, the voltage decreases.

**OK**

Proceed to next circuit inspection shown on matrix chart (See page DI-821). However, if DTC 11 is displayed, check and replace air conditioning control assembly.

**NG**

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|----------|---------------------------------------|
| <b>2</b> | <b>Check room temperature sensor.</b> |
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### PREPARATION:

- Remove No.1 lower finish panel.
- Remove room temperature sensor.

### CHECK:

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

### OK:

#### **Resistance:**

at 25°C (77°F): 1.6 – 1.8 kΩ

at 50°C (122°F): 0.5 – 0.7 kΩ

### HINT:

As the temperature increases, the resistance decreases.

**NG**

**Replace room temperature sensor.**

OK

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Check for open and short in harness and connector between air conditioning control assembly and room temperature sensor (See page [IN-29](#)).

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Repair or replace harness or connector.

OK

Check and replace air conditioning control assembly.