

# CIRCUIT INSPECTION

## Diag. Code 11

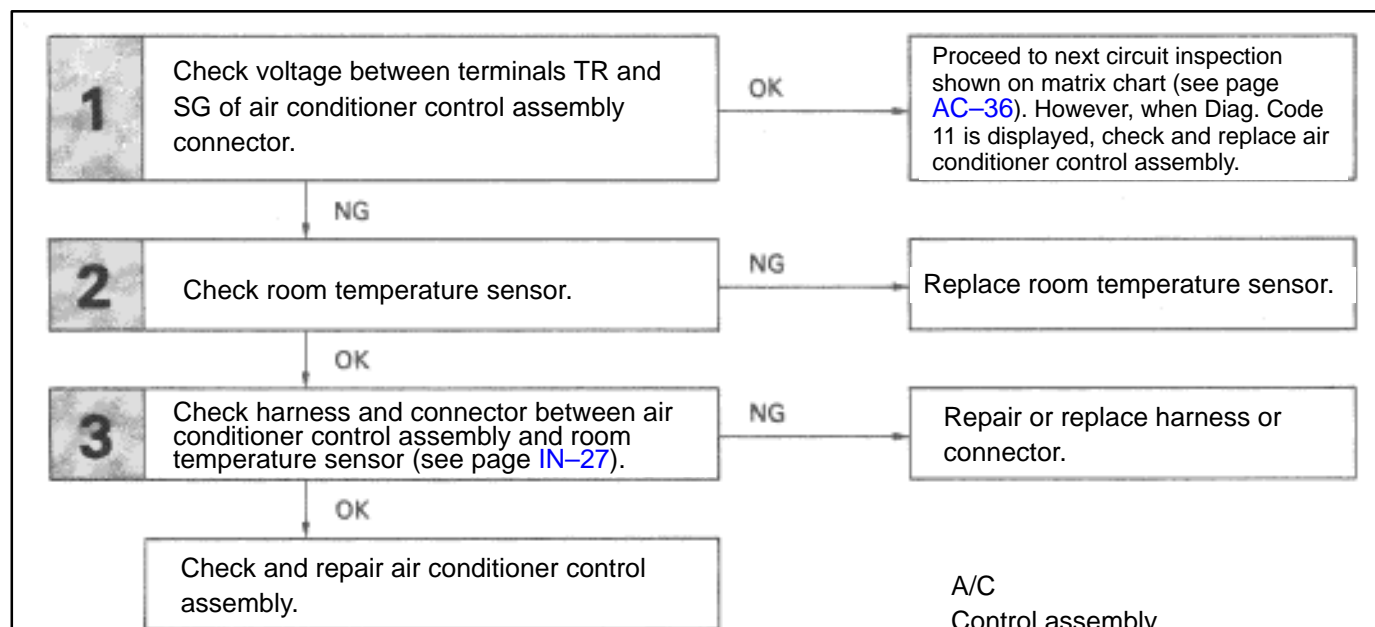
## Room Temperature Sensor Circuit

### CIRCUIT DESCRIPTION

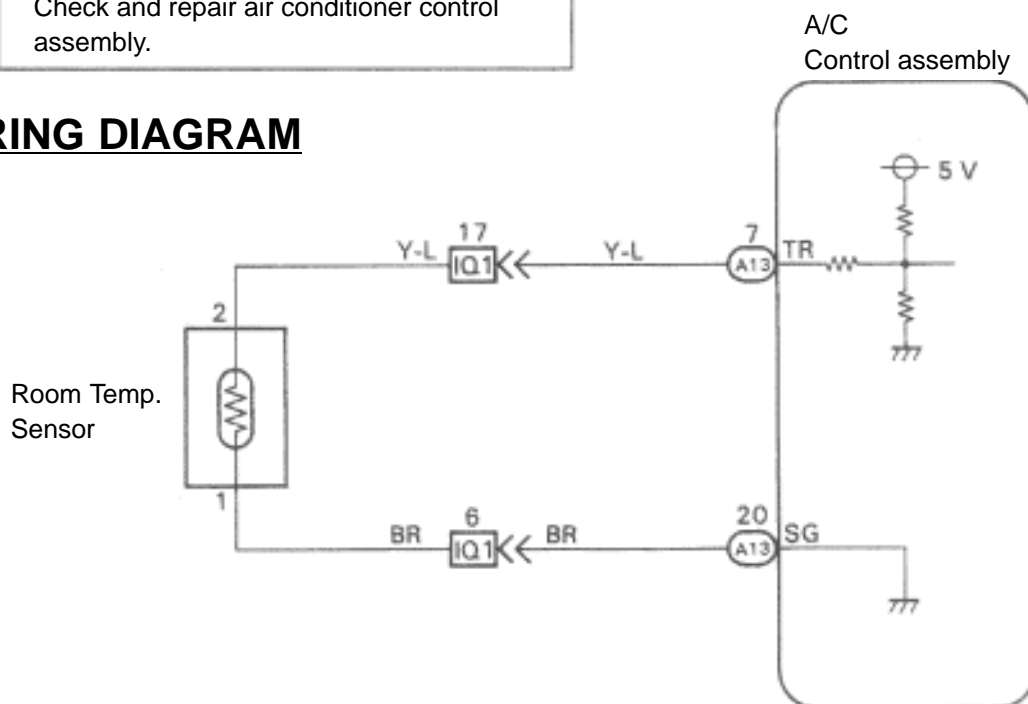
This sensor detects the temperature inside the cabin and sends the appropriate signals the A/C control assembly.

Code No.	Diag. Code 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>

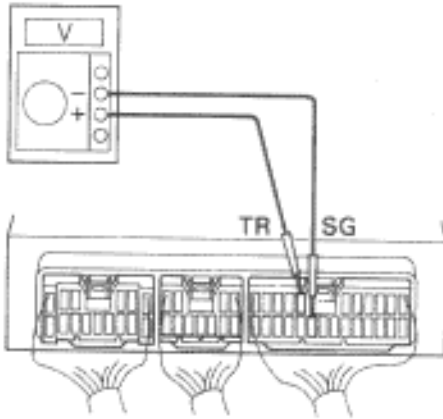
### DIAGNOSTIC CHART



### WIRING DIAGRAM



## INSPECTION PROCEDURE

**1****Check voltage between terminals TR and SG of air conditioner control assembly connector.**BE6653  
AC2980**NG****P**

1. Remove console upper panel. (See page [BO-111](#))
2. Remove A/C Control Assembly with connectors still connected.
3. Turn ignition switch ON.

**C**

Check voltage between terminals TAM and SG of air conditioner control assembly connector at each temperature.

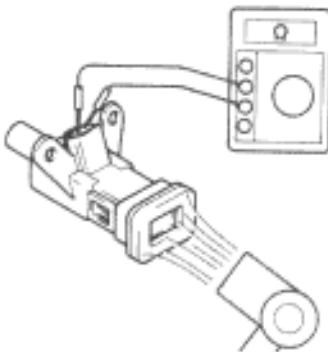
**OK****Voltage**

- at 25°C (77°F) : 1.8 ~ 2.2 V  
at 40°C (104°F) : 1.2 ~ 1.6 V

In addition, as the temperature increases, the voltage decreases gradually.

**OK**

Proceed to next circuit inspection shown on matrix chart (see page [AC-36](#)). However, when Diag. code 11 is displayed, check and replace air conditioner control assembly.

**2****Check room temperature sensor**

AC2934

**OK****P**

1. Remove instrument finish lower No. 1 panel. See page [BE-111](#))
2. Disconnect room temperature sensor connector.

**C**

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 Ω  
at 50°C (122°F) : 0.5 ~ 0.7 Ω

In addition, as the temperature increases, the voltage decreases gradually.

**NG**

Replace room temperature sensor.

**3****Check for open and short in harness and connector between air conditioner control assembly and room temperature sensor (see page [IN-27](#)).****OK****NG**

Repair or replace harness or connector.

Check and repair air conditioner control assembly.