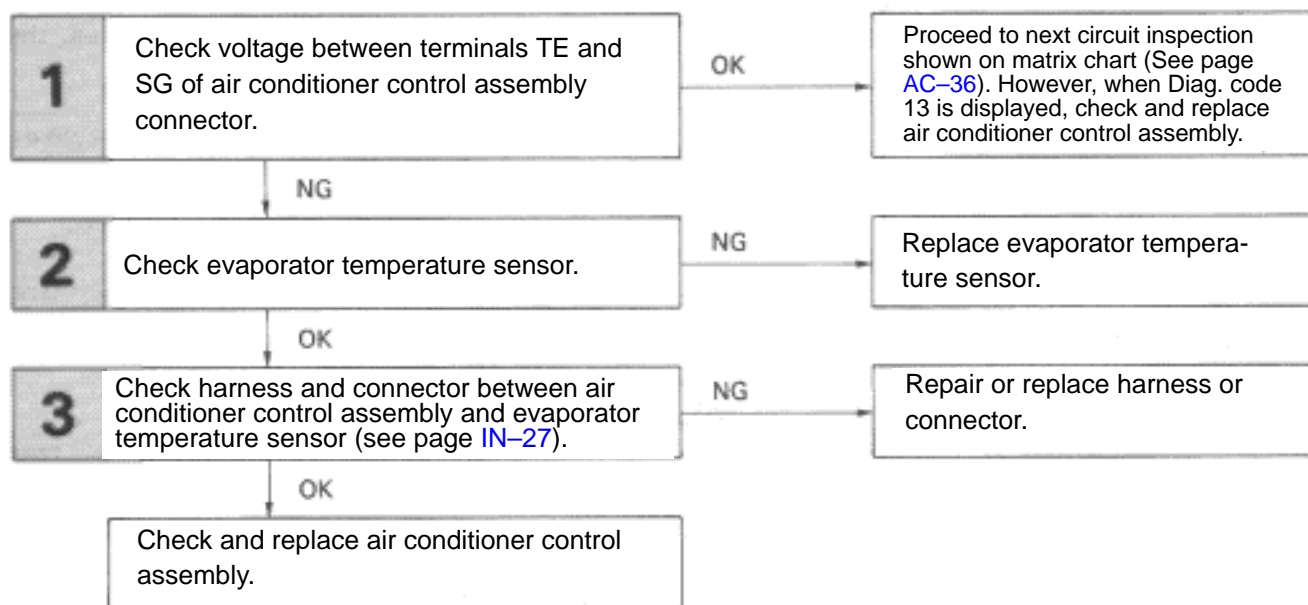
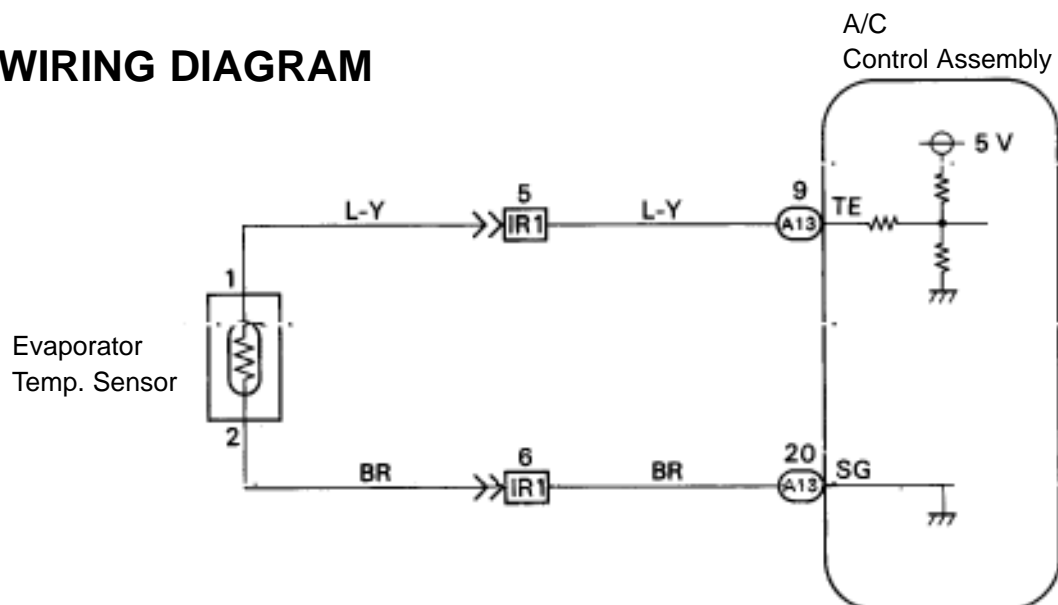


Diag. Code 13**Evaporator Temperature Sensor Circuit****— CIRCUIT DESCRIPTION —**

This sensor detects the temperature inside the cooling unit and sends the appropriate signals to the air conditioner control assembly.

Code No.	Diag. Code Detecting Condition	Trouble area
13	Open or short in evaporator temperature sensor circuit.	<ul style="list-style-type: none"> • Evaporator temperature sensor. • Harness or connector between evaporator temperature sensor and A/C control assembly. • A/C control assembly.

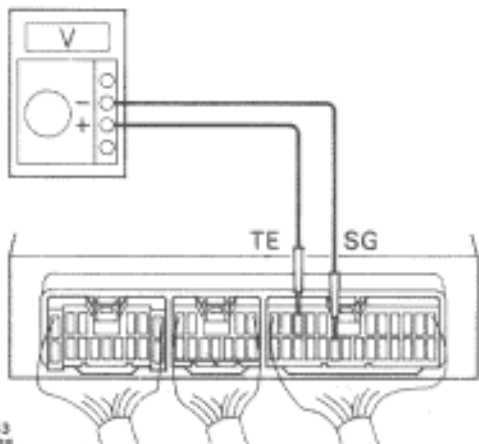
— DIAGNOSTIC CHART —**WIRING DIAGRAM**

INSPECTION PROCEDURE

1

Check voltage between terminals TE and SG of air conditioner control assembly connector.

ON
IG ON



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 TE and SG of air conditioner control assembly connector at each temperature.

OK

Voltage:

at 0°C (32°F) : 2.0 ~ 2.4 V

at 15°C (59°F) : 1.4 ~ 1.8 V

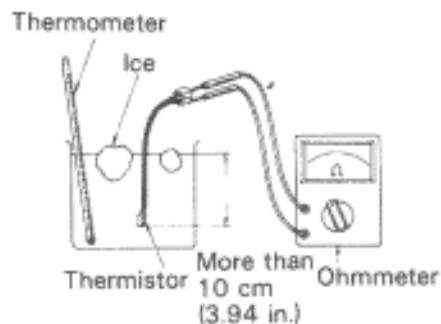
In addition, as the temperature increases, the voltage decreases gradually.

OK

Proceed to next circuit inspection shown on matrix chart (see page [AC-36](#)). However, when Diag. code 13 is displayed, check and replace air conditioner control assembly.

2

Check evaporator temperature sensor



OK

P

Remove evaporator temperature sensor (see page [AC-124](#)).

C

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

OK

Resistance:

at 0°C (32°F) : 4.6 ~ 5.1 Ω

at 15°C (59°F) : 2.1 ~ 2.6 Ω

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

NG

Replace evaporator temperature sensor.

3

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

OK

NG

Repair or replace harness or connector.

Check and replace air conditioner control assembler.