

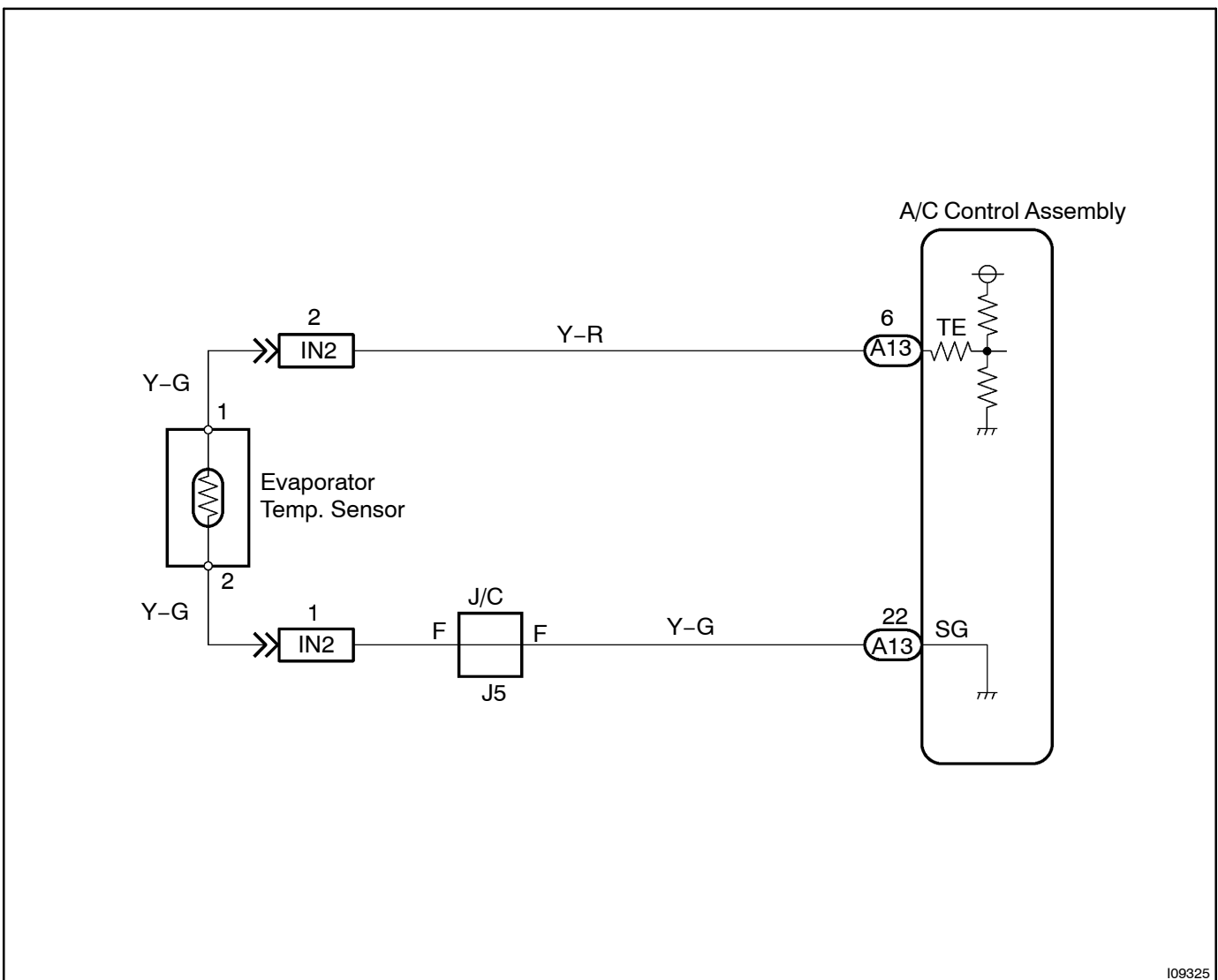
DTC	13	Evaporator Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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

DTC No.	Detection Item	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.

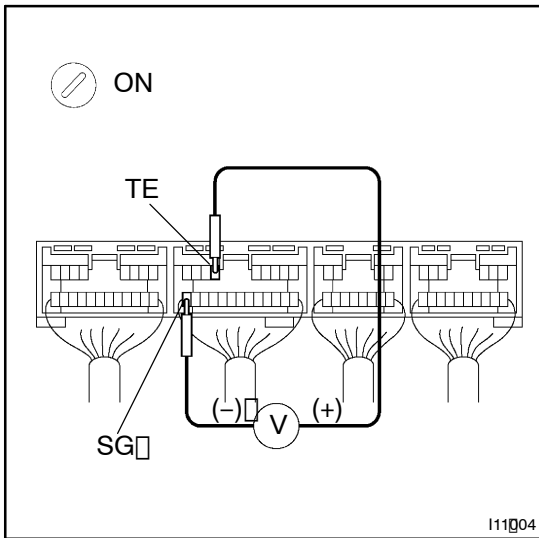
WIRING DIAGRAM



I09325

INSPECTION PROCEDURE

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

**PREPARATION:**

Remove A/C control assembly with connectors still connected.

CHECK:

- Turn ignition switch to ON.
- Measure voltage between terminals TE and SG of A/C control assembly connector at each temperature.

OK:**Voltage**

at 0°C (32°F): 2.0 – 2.4V

at 15°C (59°F): 1.4 – 1.8V

HINT:

As the temperature increases, the voltage decreases.

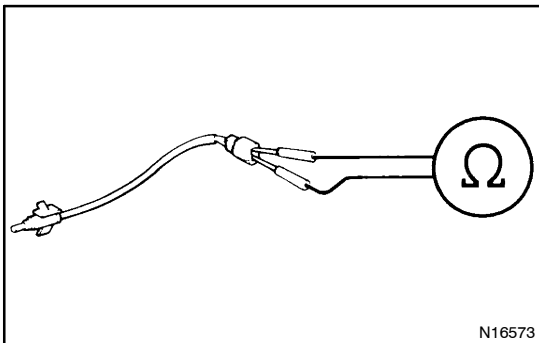
NG

Go to step 2.

OK

Proceed to next circuit inspection shown on problem symptom table (See page DI-780). However, if DTC 13 is displayed, check and replace A/C control assembly.

2 Check evaporator temperature sensor.

**PREPARATION:**

Remove evaporator temperature sensor (See page AC-29).

CHECK:

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

OK:**Resistance**

at 0°C (32°F): 4.5 – 5.2 kΩ

at 15°C (59°F): 2.0 – 2.7 kΩ

HINT:

As the temperature increases, the resistance decreases.

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Replace evaporator temperature sensor.

OK

3 Check harness and connector between A/C control assembly and evaporator temperature sensor (See page IN-30).

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Repair or replace harness or connector.

OK

Check and repair A/C control assembly.