

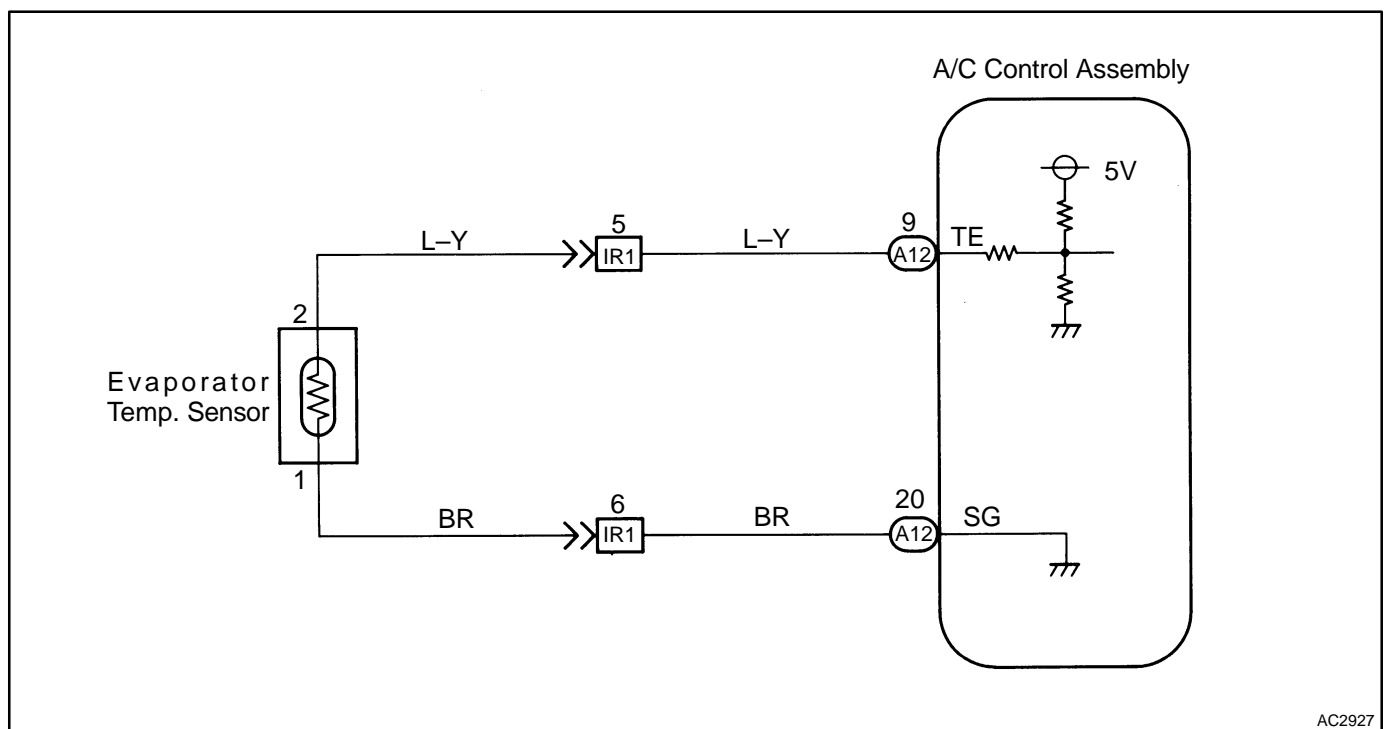
DTC	13	Evaporator Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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

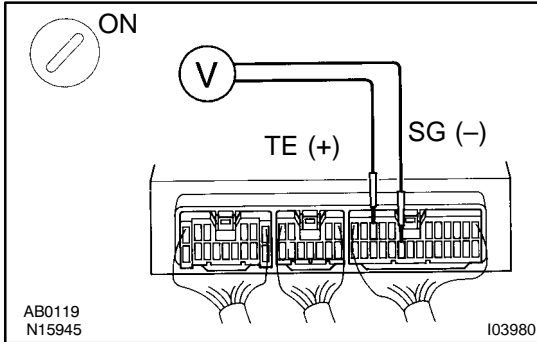
DTC No.	DTC Detecting Condition	Trouble Area
13	Open or short in evaporator temperature sensor circuit.	<ul style="list-style-type: none"> Evaporator temperature sensor. Harness or connector between evaporator temperature sensor and A/C control assembly. A/C control assembly.

WIRING DIAGRAM



INSPECTION PROCEDURE

- | | |
|----------|--|
| 1 | Check voltage between terminals TE and SG of air conditioning control assembly connector. |
|----------|--|



PREPARATION:

- Remove A/C control assembly with connectors still connected.
- Turn ignition switch ON.

CHECK:

Measure voltage between terminals TE and SG of air conditioning 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

HINT:

As the temperature increases, the voltage decreases.

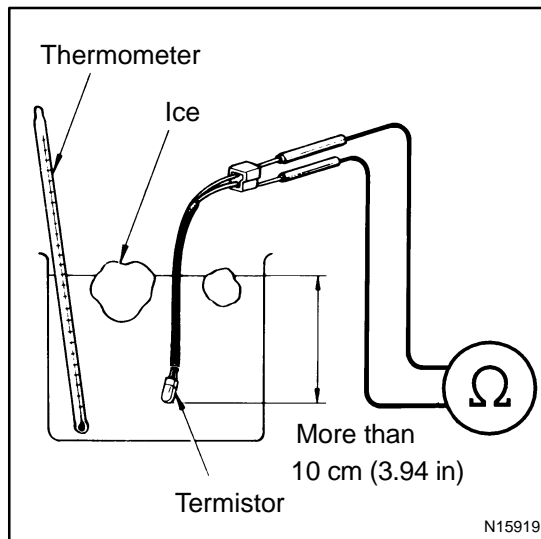
OK

Proceed to next circuit inspection shown on matrix chart (See page DI-821). However, if DTC 13 is displayed, check and replace air conditioning control assembly.

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Go to step 2.

2 Check evaporator temperature sensor.



PREPARATION:

- Remove evaporator (See page [AC-42](#)).
- Remove evaporator temperature sensor (See page [AC-65](#)).

CHECK:

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 kΩ

at 15°C (59°F): 2.1 – 2.6 kΩ

HINT:

As the temperature increases, the resistance decreases.

NG

Replace evaporator temperature sensor.

OK

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

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Repair or replace harness or connector.

OK

Check and replace air conditioning control assembly.