

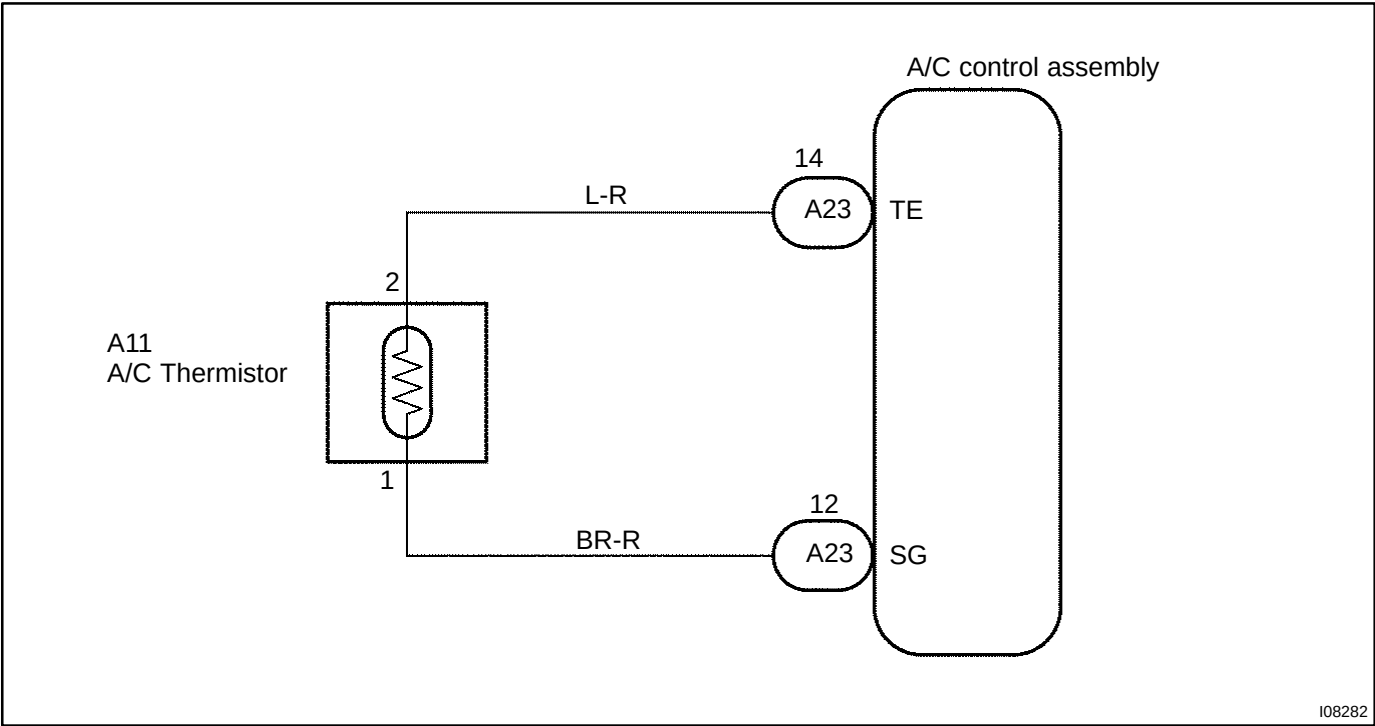
DTC	13	Front Evaporator Temperature Sensor circuit
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CIRCUIT DESCRIPTION

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

DTC No.	Detection Item	Trouble Area
13	Open or short in front evaporator temperature sensor circuit.	• Front evaporator temperature sensor. • Harness or connector between front evaporator temperature sensor and A/C control assembly. • A/C control assembly.

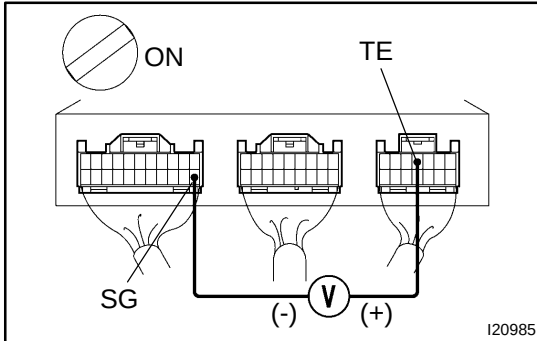
WIRING DIAGRAM



I08282

INSPECTION PROCEDURE

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

Remove A/C control assembly with connectors still connected.

CHECK:

- (a) Turn ignition switch ON.
- (b) 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 - 2.4 V

at 15°C (59°F) : 1.4 - 1.8 V

HINT:

As the temperature increases, the voltage decreases.

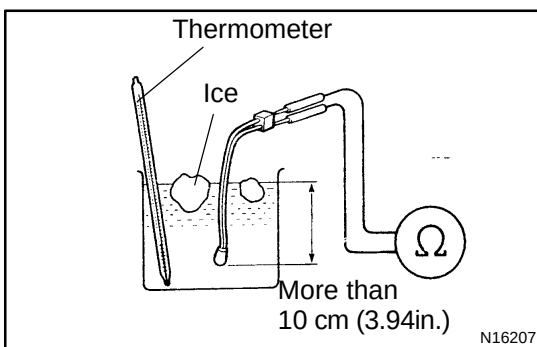
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Go to step 2.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-697](#)). However, if DTC 13 is displayed, check and replace A/C control assembly.

2	Check evaporator temperature sensor.
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**PREPARATION:**

Remove front evaporator temperature sensor.

CHECK:

Measure 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 front evaporator temperature sensor (See page IN-31).
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Repair or replace harness or connector.

OK

Check and replace A/C control assembly.