

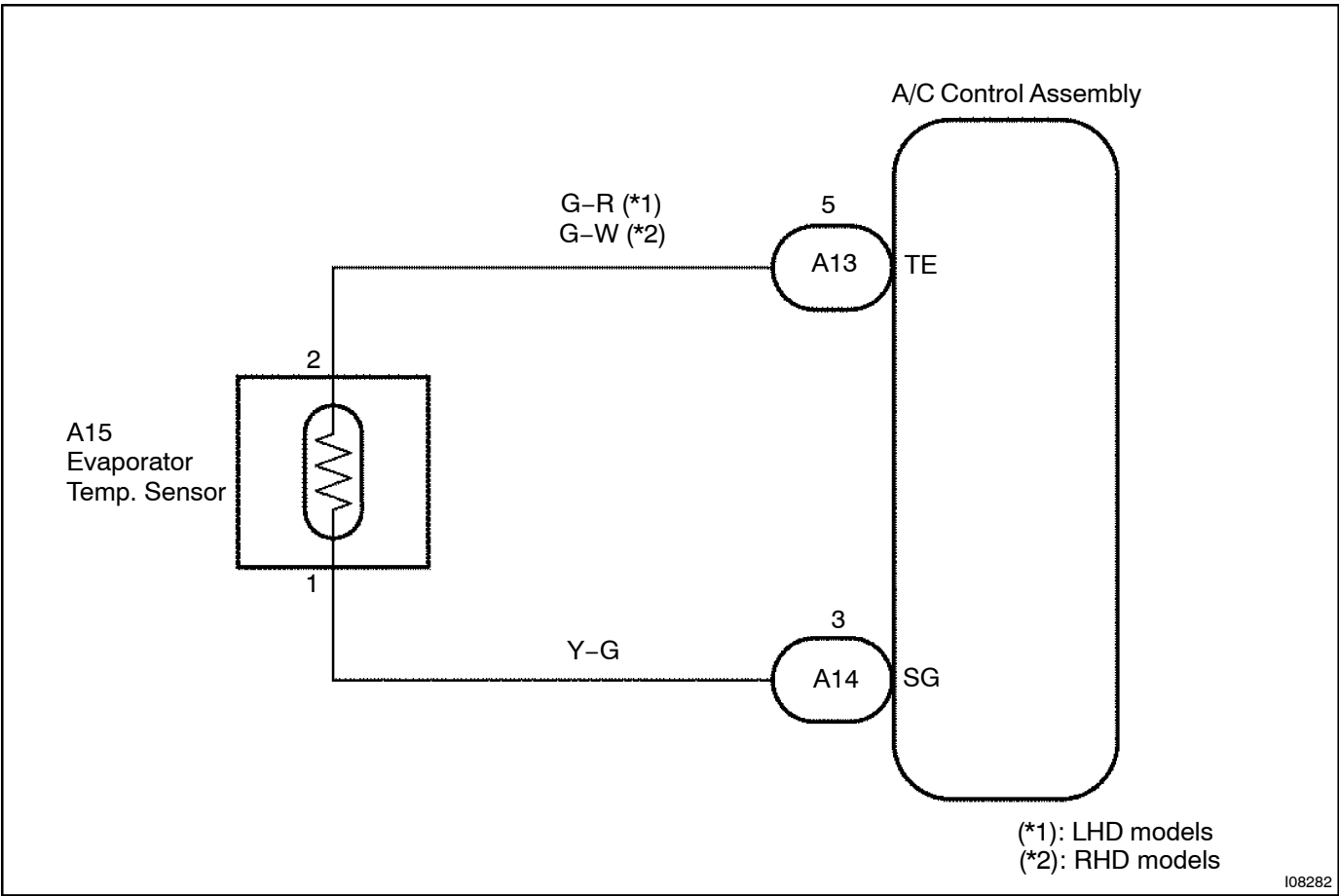
DTC	13	Evaporator Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

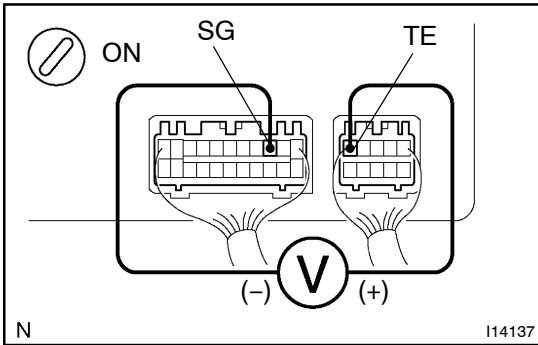
This sensor detects the temperature inside the cooling unit and sends the appropriate signals to the A/C control assembly.

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

WIRING DIAGRAM



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

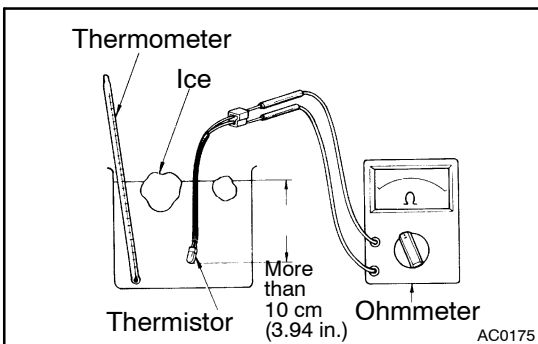
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Go to step 2.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI-432). 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-56).

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 voltage 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-20](#)).

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Repair or replace harness or connector.

OK

Check and replace A/C control assembly.