DI6S4–01

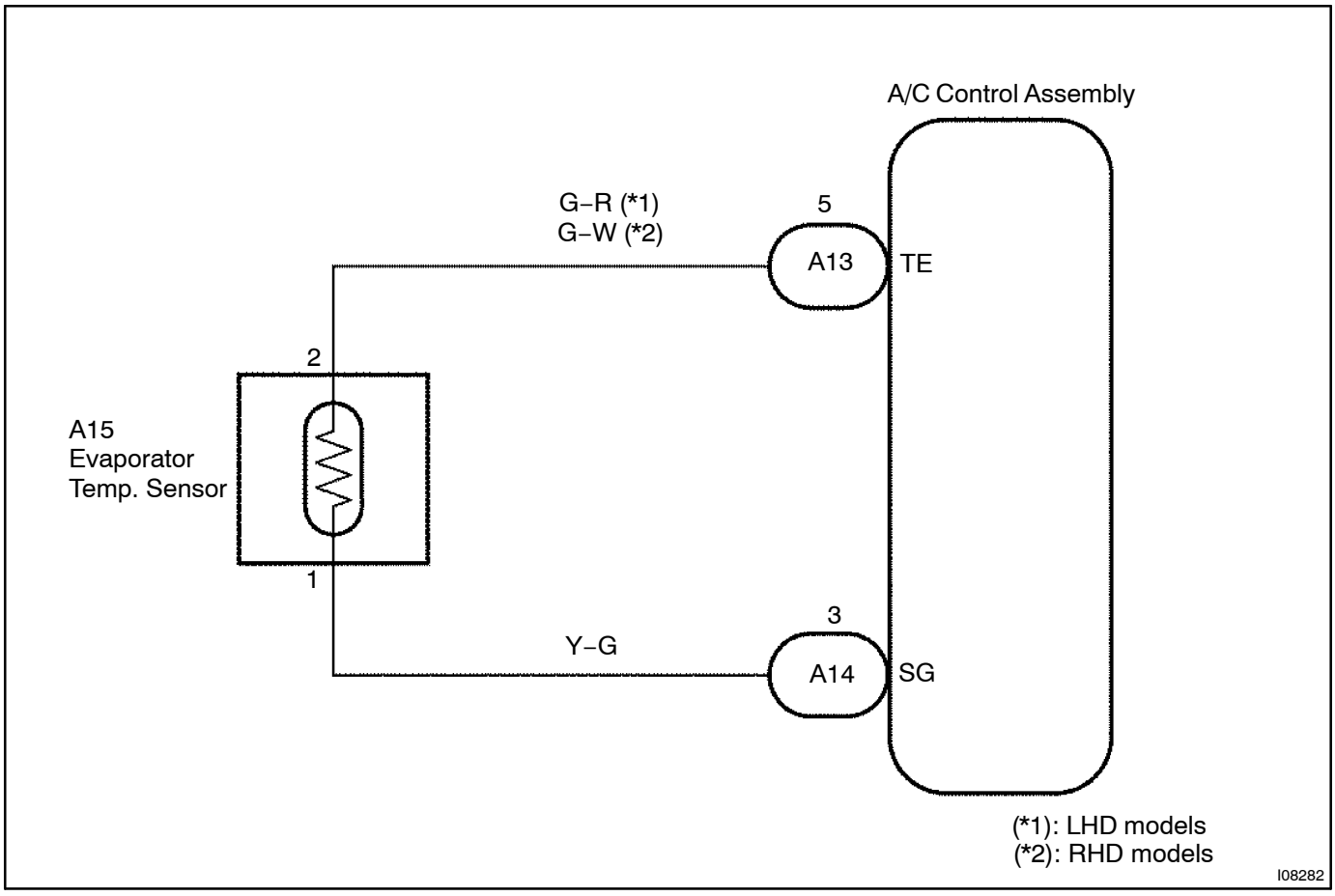
DTC	13	Evaporator Temperature Sensor Circuit

CIRCUIT DESCRIPTION

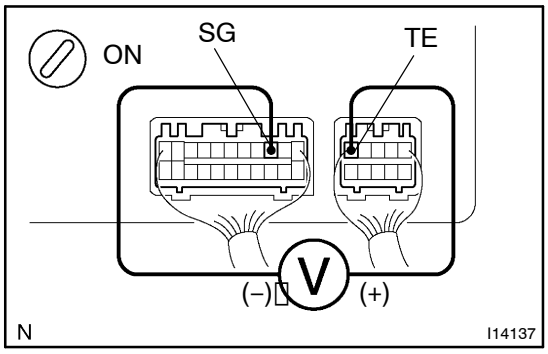
This sensor detects the temperature inside the cooling unit and sends the appropriate signals to the A/C control assembly.

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:

(a) Remove A/C control assembly with connectors still connected.

(b) 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:

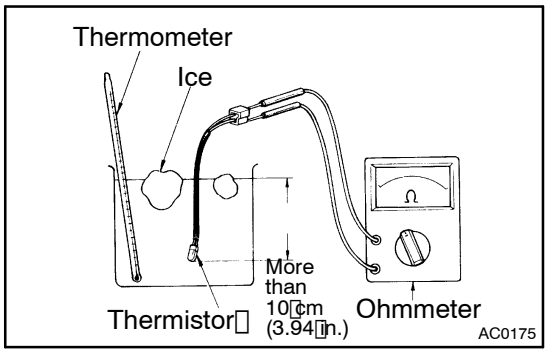
As the temperature increases, the voltage decreases.

NG	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.

NG	Replace evaporator temperature sensor.

OK

3	Check harness and connector between A/C control assembly and evaporator temperature sensor (See page IN–20).

NG → Repair or replace harness or connector.

OK →

Check and replace A/C control assembly.