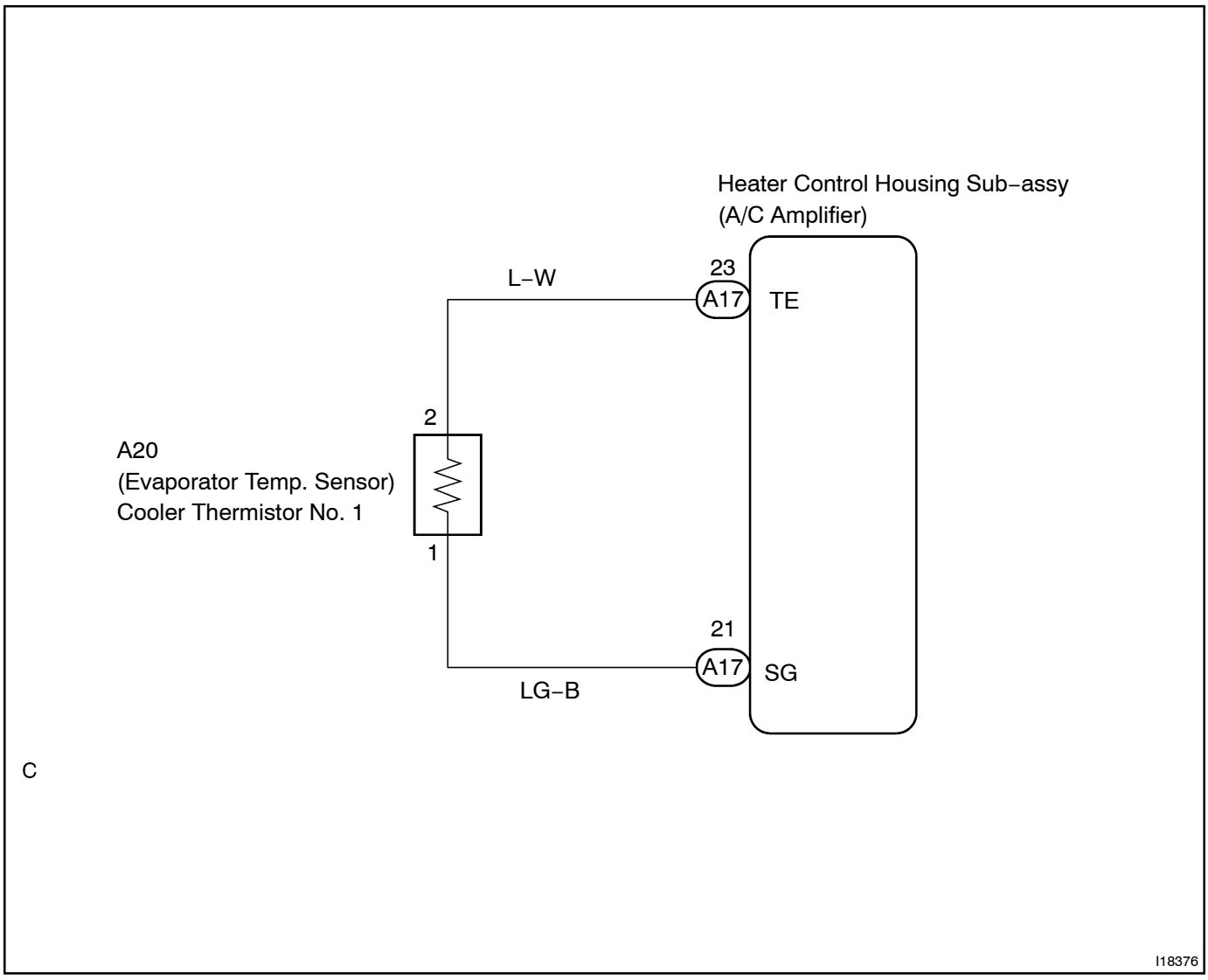
DTC	13	EVAPORATOR TEMPERATURE SENSOR CIRCUIT

CIRCUIT DESCRIPTION

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

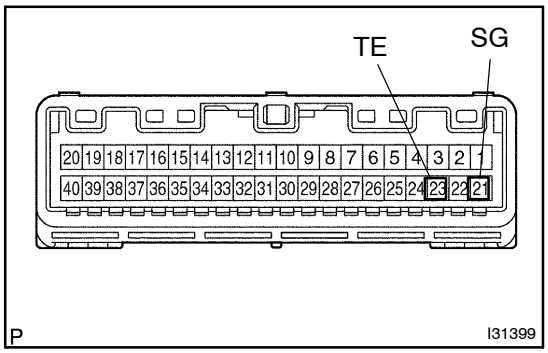
DTC No.	Detection Item	Trouble Area
13	Open or short in evaporator temperature sensor circuit.	• Evaporator temperature sensor • Harness or connector between evaporator temperature sensor and A/C amplifier • A/C amplifier

WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT HEATER CONTROL HOUSING SUB–ASSY(TE, SG)



(a) Remove A/C amplifier with connectors still connected.
(b) Turn ignition switch ON.
(c) Measure voltage between terminals TE and SG of A/C amplifier connector at each temperature.

Voltage
at 0 °C (32 °F) : 2.0 – 2.4 V
at 15 °C (59 °F) : 1.4 – 1.8 V

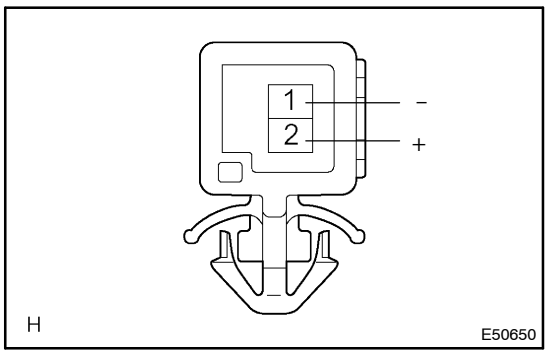
A	NG
B	OK (when checking from the PROBLEM SYMPTOM TABLE)
C	OK (Checking from the DTC)

B → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOM TABLE**

C → **CHECK AND REPLACE HEATER CONTROL HOUSING SUB–ASSY**

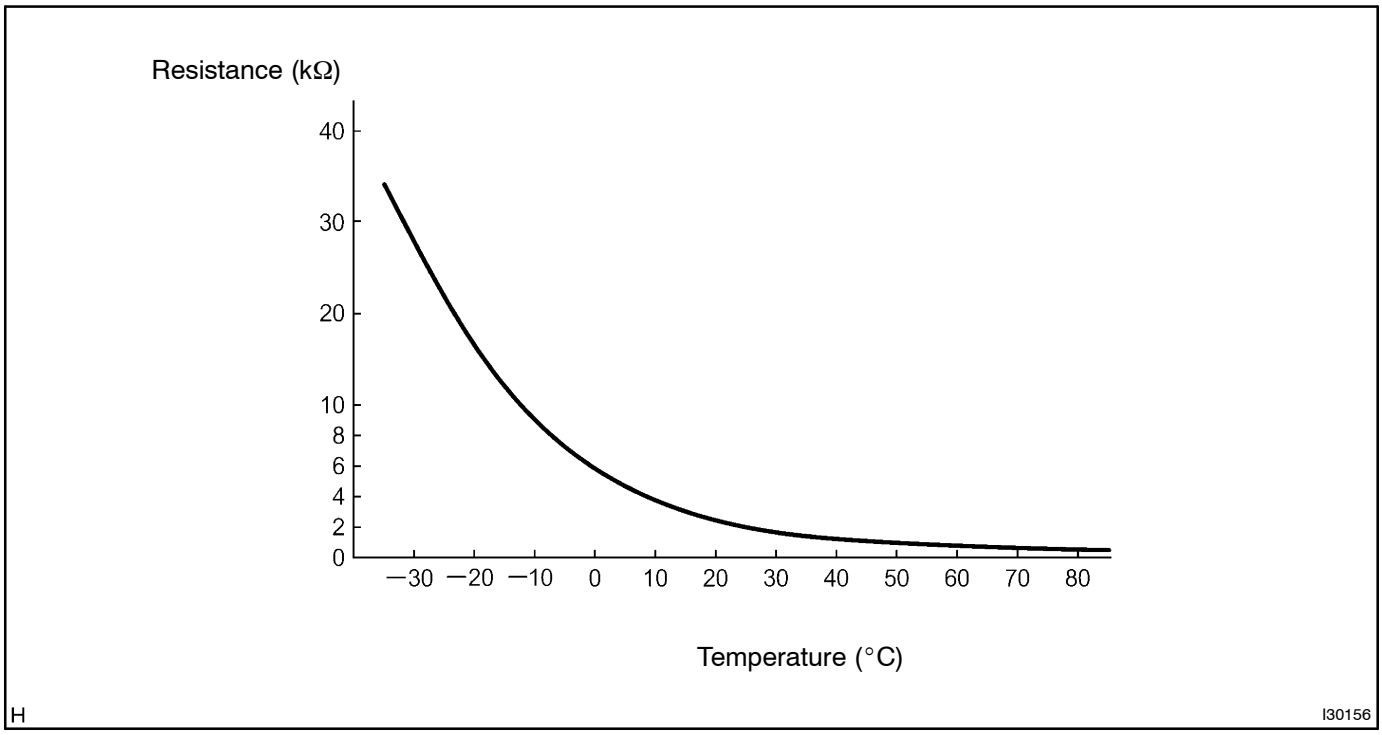
A

2	INSPECT COOLER THERMISTOR NO.1



(a) Remove cooler thermistor No. 1.
(b) Check resistance between terminals 1 and 2 of cooler thermistor No. 1 at each temperature, as shown in the chart.

Resistance:



NG → REPLACE COOLER THERMISTOR NO.1

OK

3	CHECK HARNESS AND CONNECTOR(BETWEEN COOLER THERMISTOR NO.1 AND HEATER CONTROL HOUSING SUB–ASSY)

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

CHECK AND REPLACE HEATER CONTROL HOUSING SUB–ASSY