

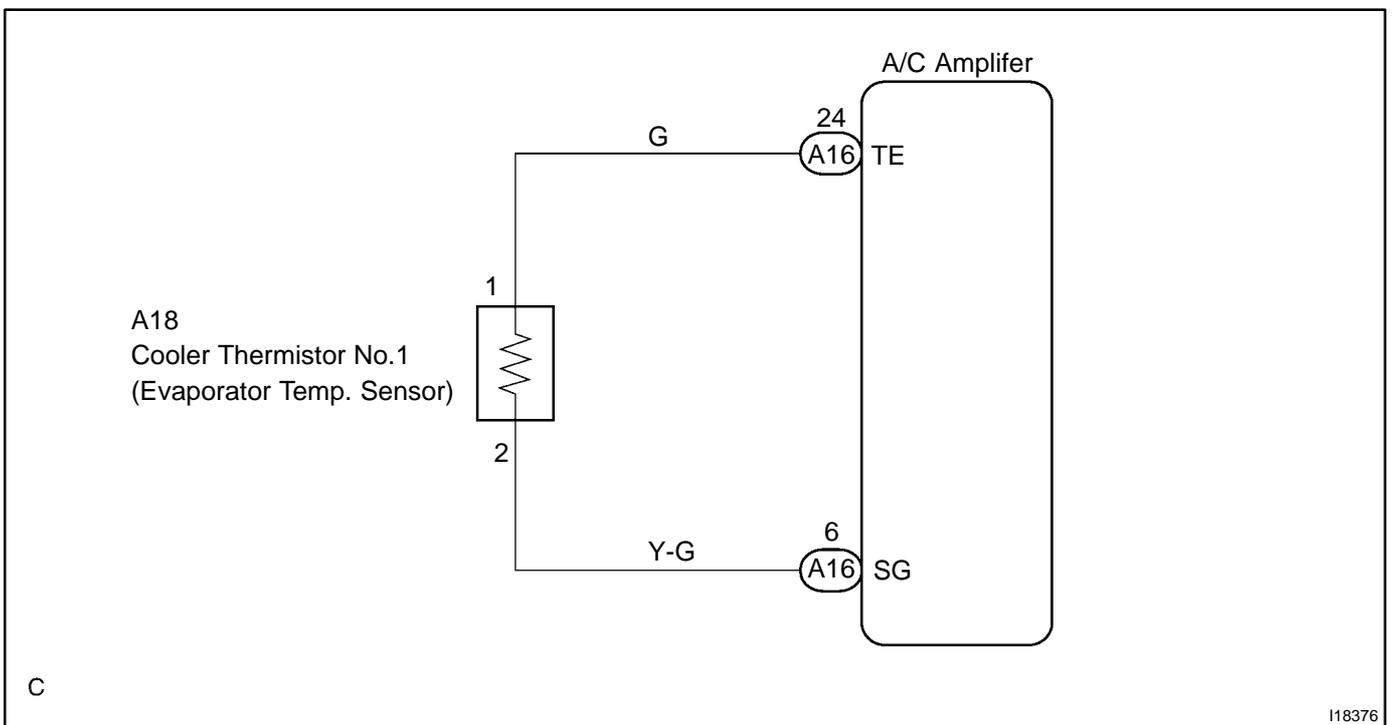
DTC	13	EVAPORATOR TEMPERATURE SENSOR CIRCUIT
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CIRCUIT DESCRIPTION

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

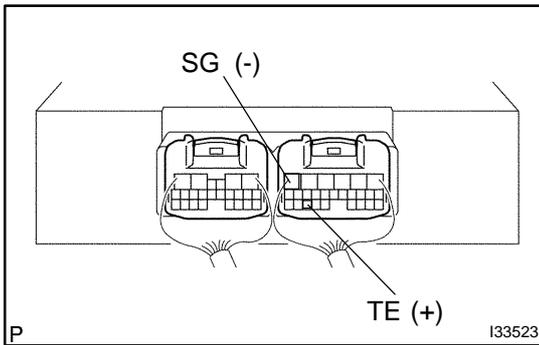
DTC No.	Detection Item	Trouble Area
13	Open or short in evaporator temperature sensor circuit.	<ul style="list-style-type: none"> • Cooler thermistor No. 1 (Evaporator temperature sensor) • Harness or connector between cooler thermistor No. 1 (evaporator temperature sensor) and A/C amplifier • A/C amplifier

WIRING DIAGRAM



CIRCUIT DESCRIPTION

1 INSPECT AIR CONDITIONING AMPLIFIER(TE, SG)



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

Voltage

at 0 °C (32 °F) : 2.0 - 2.4 V

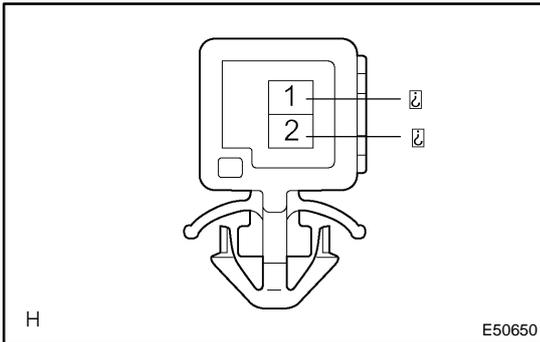
at 15 °C (59 °F) : 1.4 - 1.8 V

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**PROCEED TO NEXT CIRCUIT INSPECTION
SHOWN ON PROBLEM SYMPTOMS TABLE**

OK

2 INSPECT COOLER THERMISTOR NO.1

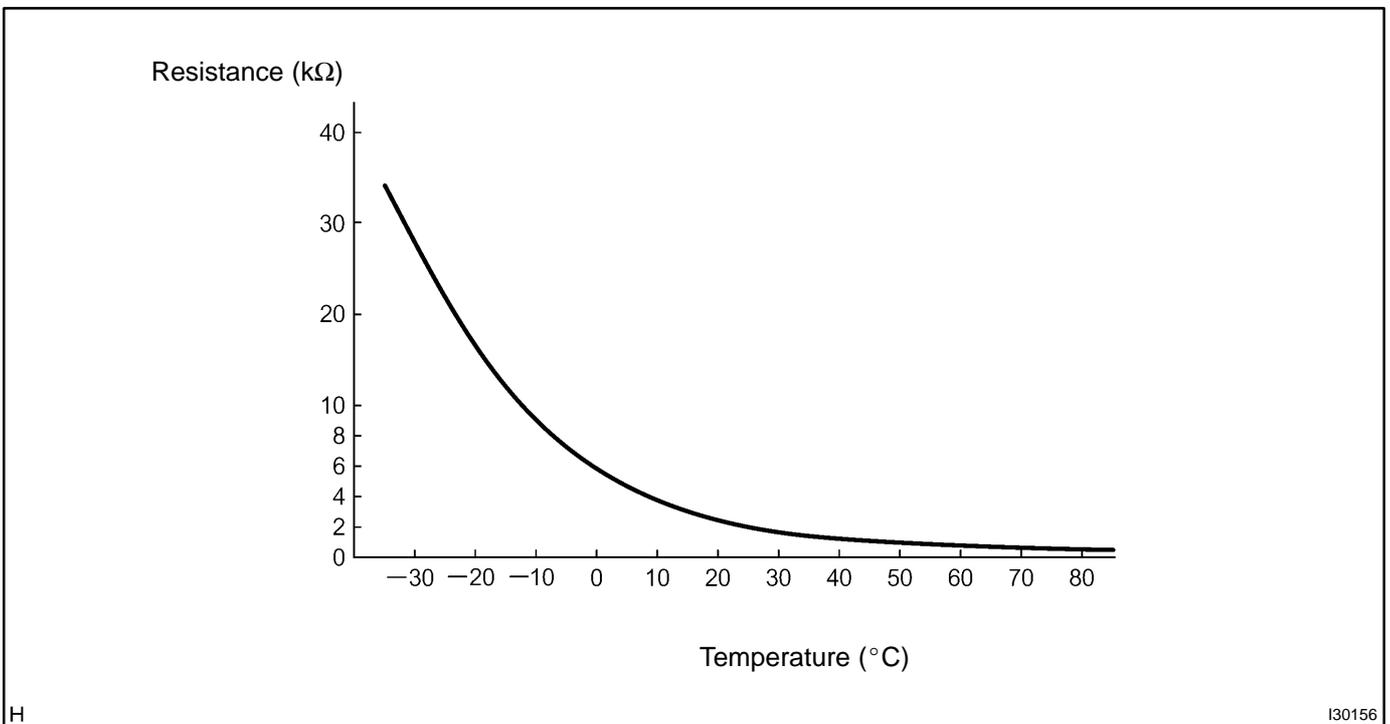


- (a) Remove the cooler thermistor No. 1 (evaporator temp. sensor).
- (b) Measure resistance between terminal of the cooler thermistor No. 1 (evaporator temp. sensor) at each temperature, as shown in the chart.

HINT:

As the temperature increases, the resistance decreases as shown in the illustration.

Resistance:



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REPLACE COOLER THERMISTOR NO.1

OK

3 CHECK HARNESS AND CONNECTOR(BETWEEN COOLER THERMISTOR NO.1 (EVAPORATOR TEMP. SENSOR) AND AIR CONDITIONING AMPLIFIER)

- (a) Check for open and short in the harness and the connector between the cooler thermistor No. 1 (evaporator temp. sensor) and the A/C amplifier (See page 01-35).

NG**REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****4 CHECK DIAGNOSTIC TROUBLE CODE**

- (a) Start up the DTC check mode.
(b) Check that DTC 11 is not output again.
Standard: DTC 11 is not output.

NG**SYSTEM OK****OK****CHECK AND REPLACE AIR CONDITIONING AMPLIFIER**