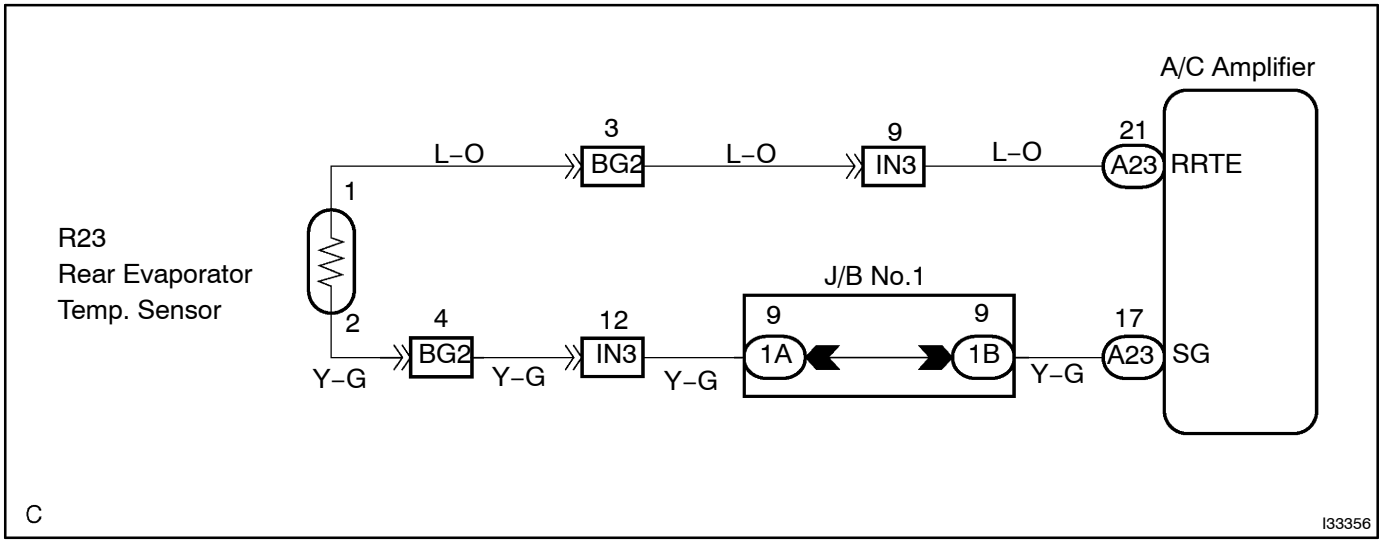
DTC	17	REAR EVAPORATOR TEMPERATURE SENSOR CIRCUIT

CIRCUIT DESCRIPTION

This sensor detects the rear evaporator temperature and sends the appropriate signals to the A/C amplifier.

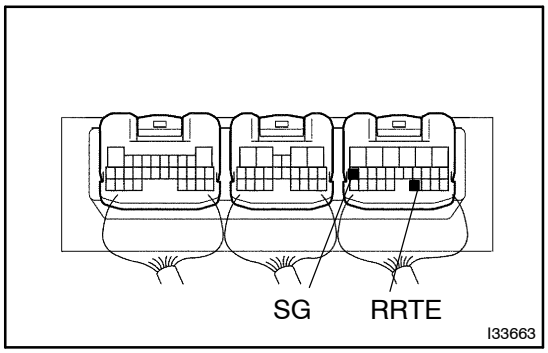
DTC No.	Detection Item	Trouble Area
17	Open or short in rear evaporator temperature sensor circuit.	• Cooler No.2 thermistor (rear evaporator temp. sensor) • Harness or connector between cooler No.2 thermistor (rear evaporator temp. sensor) and A/C amplifier • A/C amplifier

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT AIR CONDITIONING AMPLIFIER(RRTE, SG)



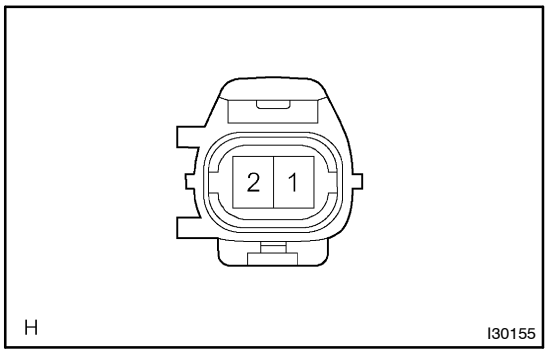
(a) Remove A/C amplifier with being connected.
(b) Turn ignition switch ON.
(c) Measure voltage between terminal RRTE and SG of A/C amplifier connector at each temperature.

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

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

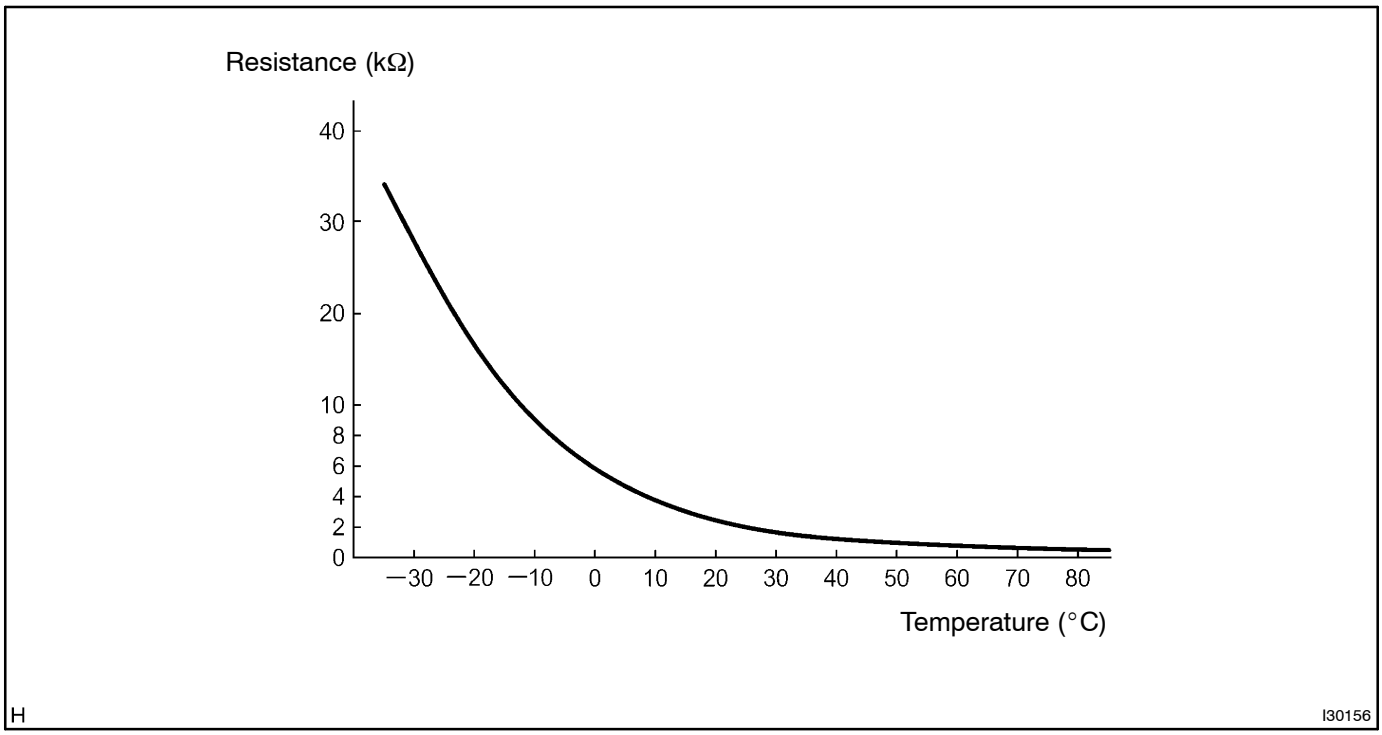
NG

2 INSPECT COOLER NO.2 THERMISTOR(REAR EVAPORATOR TEMP. SENSOR)



(a) Remove cooler No.2 thermistor (rear evaporator temp. sensor).
(b) Check resistance between terminal 1 and 2 of cooler No. 2 thermistor (rear evaporator temp. sensor).

Resistance:



NG	**REPLACE COOLER NO.2 THERMISTOR**

OK

3	**CHECK HARNESS AND CONNECTOR(COOLER NO. 2 THERMISTOR (REAR EVAPORATOR TEMP. SENSOR) – A/C AMPLIFIER)**

NG	**REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

4	**READ OUTPUT DTC**

(a) Clear the sensor check codes.
(b) At least 8.5 minutes pass after turning the IG switch to ON position, read DTC.
Standard: Normal codes are output.

OK	**SYSTEM OK**

NG

CHECK AND REPLACE AIR CONDITIONING AMPLIFIER