DTC	B1411/11	Room Temperature Sensor Circuit
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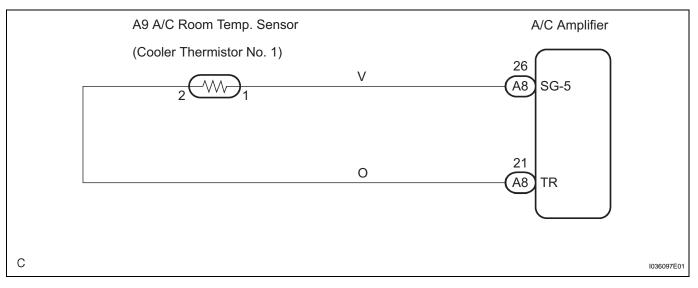
DESCRIPTION

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

DTC No.	DTC Detection Condition	Trouble Area	
B1411/11	Open or short in room temperature sensor circuit	 Cooler thermistor No. 1 Harness or connector between cooler thermistor No. 1 and A/C amplifier A/C amplifier 	

AC

WIRING DIAGRAM



1 READ VALUE OF INTELLIGENT TESTER

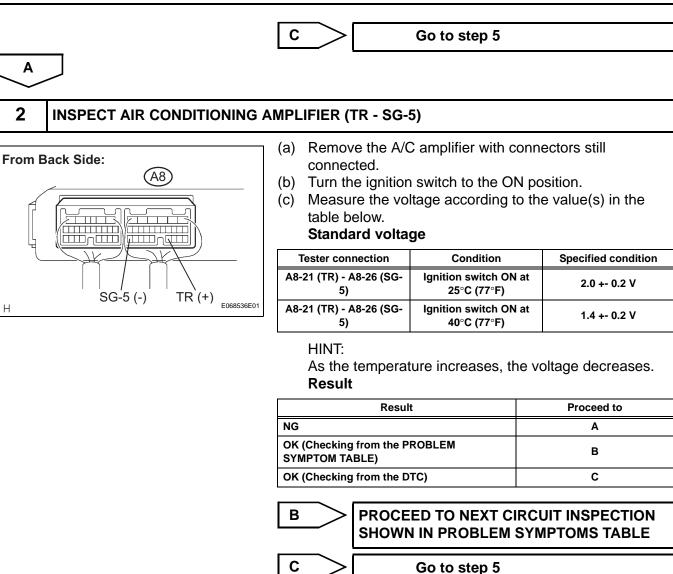
- (a) Connect the intelligent tester to DLC3.
- (b) Turn the ignition switch ON and push the intelligent tester main switch ON.
- (c) Select the items below in the DATA LIST, and read the displays on the intelligent tester.

ltem	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
ROOM TEMP Room temperature sensor / min.: -6.5°C max.: 57.25°C		Actual room temperature	-

Result

Result	Proceed to
NG	A
OK (Checking from the PROBLEM SYMPTOM TABLE)	В
OK (Checking from the DTC)	C

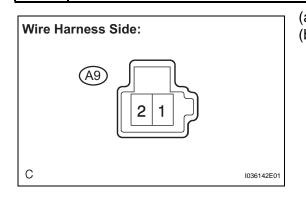
В



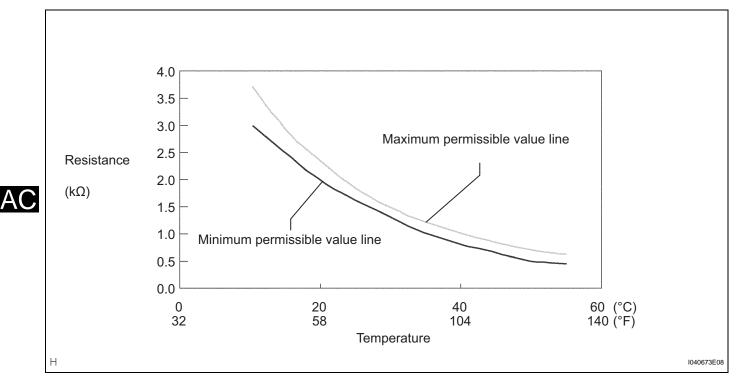
A

3

INSPECT COOLER THERMISTOR NO.1



- (a) Remove the cooler thermistor No. 1.
- (b) Measure the resistance according to the value(s) in the table below.



Standard resistance

Tester connection	Condition	Specified condition
A9-1 - A9-2	10°C (50°F)	3.00 to 3.73 k Ω
A9-1 - A9-2	15°C (59°F)	2.45 to 2.88 k Ω
A9-1 - A9-2	20°C (68°F)	1.95 to 2.30 k Ω
A9-1 - A9-2	25°C (77°F)	1.60 to 1.80 k Ω
A9-1 - A9-2	30°C (86°F)	1.28 to 1.47 k Ω
A9-1 - A9-2	35°C (95°F)	1.00 to 1.22 k Ω
A9-1 - A9-2	40°C (104°F)	0.80 to 1.00 kΩ
A9-1 - A9-2	45°C (113°F)	0.65 to 0.85 kΩ
A9-1 - A9-2	50°C (122°F)	0.50 to 0.70 kΩ
A9-1 - A9-2	55°C (131°F)	0.44 to 0.60 kΩ
A9-1 - A9-2	60°C (140°F)	0.36 to 0.50 kΩ

NOTICE:

Even slightly touching the sensor may change the resistance value. Be sure to hold the connector of the sensor.

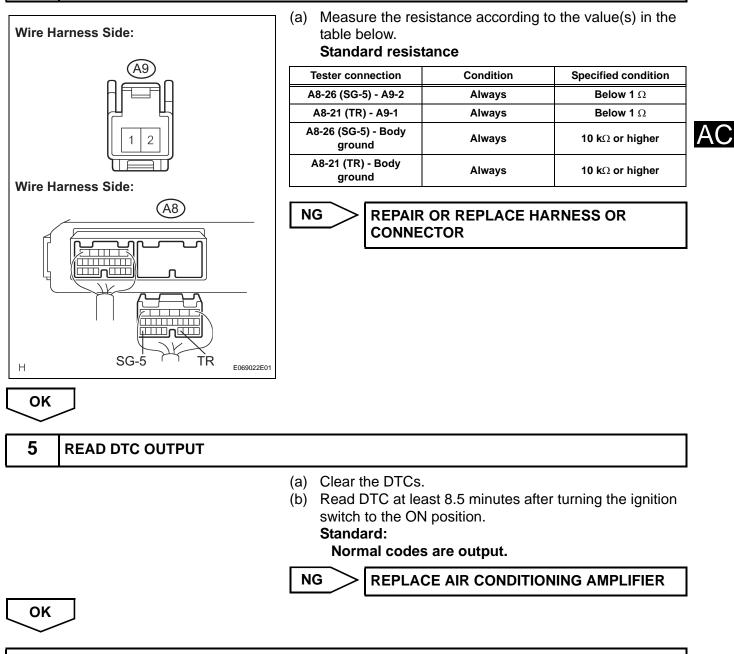
HINT:

As the temperature increases, the resistance decreases (see the chart).



ОК

4 CHECK HARNESS AND CONNECTOR (AIR CONDITIONING AMPLIFIER - COOLER THERMISTOR NO. 1)



USE SIMULATION METHOD TO CHECK