DI267-02

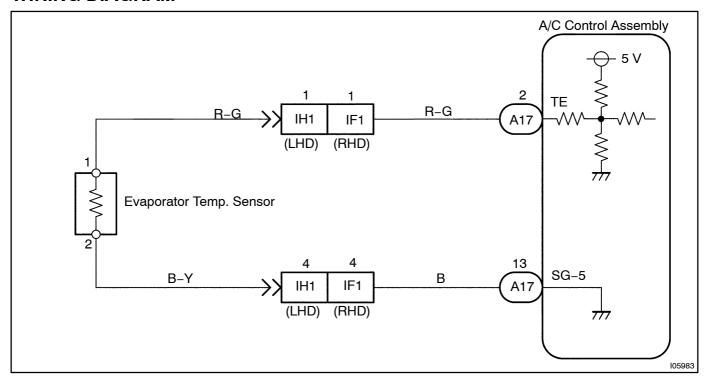
DTC	B1413/13	Evaporator Temperature Sensor circuit
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CIRCUIT DESCRIPTION

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
B1413/13	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



INSPECTION PROCEDURE

HINT:

Incase of fusing the LEXUS chard-held tester start the inspection step of and incase of chard-held tester start form step 2.

1[

Check@vaporator@emp.@sensor@using@LEXUS@hard-held@tester.

PREPARATION:

Connect[]he[]LEXUS[]hard-held[]ester[]]o[]]he[]DLC3.

CHECK:

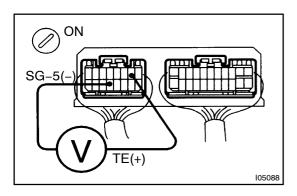
Check[]he[evaporator[]emp.[sensor[]using[DATA[]LIST.

ок□

Checkandreplace A/C controlassembly.

NG

2 Check[voltage[between[terminals]TE[and[\$G-5[of[A/C[control]assembly[connector.



PREPARATION:

Remove@air@onditioning@ontrol@assembly@with@onnectors@still connected.

CHECK:

- (a) Turn ignition switch ON.
- (b) Measure voltage between terminals Eand G-5 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 Idecreases.

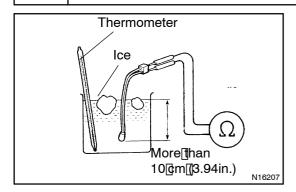
NG Go

Go to step 3.

OK

Proceed@omext@ircuit@nspectionshownonproblemsymptorms@able@SeepageDI-912). However, if DTC B1413/13 is displayed, check and replace A/C control assembly.

3 | Check evaporator temperature sensor.



PREPARATION:

Remove evaporator emperature sensor See page AC-78). CHECK:

OK:

Resistance: at 0° C 32° F) 4.5 - 5.2 k Ω at 15° C 59° F) 2.0 - 2.7 k Ω

HINT:

As the temperature increases, the tesistance decreases.

NG□

Replace evaporator temperature sensor.

OK

4□

 $\label{lem:check_harness_and_connector_between_A/C_control_assembly_and_evaporator temperature_sensor_(See_page_N-29).$

NG

Repair or replace harness or connector.

OK

Check and replace A/C control assembly.