DI8BN-01

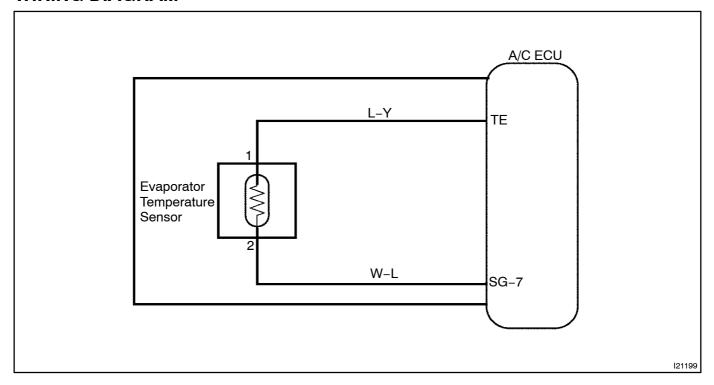
DTC	B1413/13	Evaporator Temperature Sensor Circuit	
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CIRCUIT DESCRIPTION

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

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 ECU. A/C ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:

Incase of constant the constant the constant of the constant o

1[

Check@vaporator@emperature@sensor@using@hand-held@tester.

PREPARATION:

Connect[the[hand-held[tester]to[the[DLC3.

CHECK:

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

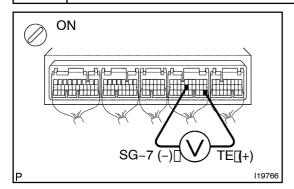
ok□

Check and replace A/C ECU.

NG

2[]

Check[voltage[between[terminals]TE[and[\$G-7[of[A/C[ECU[connector.



PREPARATION:

Remove[A/C[ECU[with[connectors[still[connected.

CHECK:

- (a) Turn ignition witch to ON.
- (b) Measure voltage between terminals TE and SG-7 of A/C ECU 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[decreases.

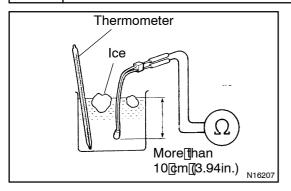
NG

Go to step 3.

OK

Proceed@omext@ircuit@nspectionshownonproblemsymptoms@able@SeepageDI-1772).[However, if DTC B1413/13 is displayed, check and replace A/C ECU.

3 | Check@evaporator@temperature@sensor.



PREPARATION:

Remove evaporator emperature sensor See page AC-82). CHECK:

OK:

Resistance $\ at[0^{\circ}C[32^{\circ}F]]4.76 - 4.95[k\Omega]$ at $15^{\circ}C[59^{\circ}F]2.22 - 2.46[k\Omega]$

HINT:

As the temperature increases, the tesistance decreases.

NG

Replace evaporator temperature sensor.

ОК

4□

 $\label{lem:check_harness_and_connector_between_A/C_ECU_and_evaporator_temperature sensor_(See_page_N-35).$

NG

Repair or replace harness or connector.

OK

Check and replace A/C ECU.