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DTC
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B1424/24 | Solar Sensor Circuit (Driver Side)

DESCRIPTION



The automatic light control sensor is installed in the upper part of the instrument panel to detect the amount of solar sensor radiation with photo diode to control the heater and air conditioner "AUTO" function. It sends appropriate signals to the A/C amplifier assembly. The output voltage of the automatic light control sensor changes in accordance with the amount of solar radiation. As the amount increases, the voltage increases. As the amount decreases, the voltage decreases. The A/C amplifier assembly reads voltage output from the automatic light control sensor.

DTC No.	DTC Detecting Condition	Trouble Area	
B1424/24	Open or short in solar sensor circuit (If the check is performed in a dark place, DTC B1424/ 24 may be displayed.)	•	Automatic light control sensor Harness or connector between automatic light control sensor and A/C amplifier assembly or multiplex network body ECU A/C amplifier assembly

HINT:

If DTC B1244 is output at the same time, troubleshoot DTC B1244 first.

WIRING DIAGRAM



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

DATA LIST / AIR CONDITIONER

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
SOLAR SENS-D	Solar sensor (Driver side) / min.:	Increases as brightness	Open in the circuit: 0
	0 max.: 255	increases	Short in the circuit: 255

OK:

The display is as specified in the normal condition.

Result

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

В	PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE
c	REPLACE AIR CONDITIONING AMPLIFIER ASSEMBLY

Α



ОК

REPLACE MULTIPLEX NETWORK BODY ECU





REPLACE AIR CONDITIONING AMPLIFIER ASSEMBLY