

DIAGNOSTIC TROUBLE CODE CHART

If a malfunction code is displayed during the DTC check, check the circuit listed for that code in the table below (Proceed to the page given for that circuit.)

DTC No. (See page)	Detection Item	Trouble Area	Memory
B1400	Normal	-	-
B1411 (DI-614)	Room temperature sensor circuit	<ul style="list-style-type: none"> Room Temp. sensor Harness or connector between room temp. sensor and A/C amplifier A/C amplifier 	○ (8.5 min. or more)
B1412 (DI-617)	Ambient temperature sensor circuit	<ul style="list-style-type: none"> Ambient Temp. sensor Harness or connector between ambient temp. sensor and engine (and ECT) ECU Harness or connector between engine (and ECT) ECU and A/C amplifier A/C amplifier 	○ (8.5 min. or more)
B1413 (DI-620)	Evaporator temperature sensor circuit	<ul style="list-style-type: none"> Evaporator Temp. sensor Harness or connector between evaporator temp. sensor and A/C amplifier A/C amplifier 	○ (8.5 min. or more)
B1421*3 (DI-623)	Solar sensor circuit	<ul style="list-style-type: none"> Solar sensor Harness or connector between solar sensor and A/C amplifier A/C amplifier 	-
			○ (8.5 min. or more)
B1422*4 (DI-626)	<p>All conditions below are detected for 3 sec. or more</p> <p>(a) Engine speed: 450 rpm or more</p> <p>(b) Ratio between engine and compressor rpm deviates 20% or more in comparison to normal operation.</p>	<ul style="list-style-type: none"> Compressor drive belt Compressor lock sensor Compressor Harness and connector between A/C amplifier and compressor, compressor lock sensor A/C amplifier Engine (and ECT) ECU 	-
B1423 (DI-629)	<p>Open in pressure sensor circuit</p> <p>Abnormal refrigerant pressure [below 196 kPa (2.0 kgf/cm², 28 psi) over 3,140 kPa (32.0 kgf/cm², 455 psi)]</p>	<ul style="list-style-type: none"> Pressure switch Harness or connector between pressure switch and engine (and ECT) ECU. Harness or connector between engine (and ECT) ECU and A/C amplifier Refrigerant pipe line A/C amplifier Compressor 	-
B1431 (DI-632)	Air mix damper position sensor circuit	<ul style="list-style-type: none"> Air mix damper position sensor A/C amplifier Harness or connector between air mix damper position sensor and A/C amplifier 	○ (1 min. or more)
B1432/32 (DI-635)	Air inlet damper position sensor circuit	<ul style="list-style-type: none"> Air inlet damper position sensor A/C amplifier Harness or connector between air mix damper position sensor and A/C amplifier 	○ (1 min. or more)
B1433 (DI-638)	Air outlet damper position sensor circuit	<ul style="list-style-type: none"> Air outlet damper position sensor circuit A/C amplifier Harness or connector between air mix damper position sensor and A/C amplifier 	○ (1 min. or more)

DIAGNOSTICS - AIR CONDITIONING SYSTEM

B1441/41 (DI-641)	Air Mix Damper Control Servomotor Circuit	<ul style="list-style-type: none"> • Air Mix Damper Control Servomotor • Air Mix Damper Position Sensor • Harness or Connector Between A/C Amplifier and Air Mix Position Sensor • Harness and Connector Between A/C Amplifier and Mix Damper Control Servomotor • A/C Amplifier 	○ (15 Secs. or more)
B1442/42 (DI-644)	Air Inlet Damper Control Servomotor	<ul style="list-style-type: none"> • Air Inlet Damper Control Servomotor • Air Inlet Damper Position Sensor • Harness or Connector Between A/C Amplifier and Air Inlet Position Sensor • Harness and Connector Between A/C Amplifier and Inlet Damper Control Servomotor • A/C Amplifier 	○ (15 Secs. or more)
B1443/43 (DI-647)	Air Outlet Damper Control Servomotor Circuit	<ul style="list-style-type: none"> • Air Outlet Damper Control Servomotor • Air Outlet Damper Position Sensor • Harness or Connector Between A/C Amplifier and Air Outlet Position Sensor • Harness and Connector Between A/C Amplifier and Outlet Damper Control Servomotor • A/C Amplifier 	○ (15 Secs. or more)
99	Multiplex Communication Circuit	Open in Multiplex Communication Circuit	-

HINT:

- *1 If the room temp. is approx. -20°C (-4°F) or lower, DTC B1411 may be output even though the system is normal.
- *2 If the ambient temperature is approx. -50°C (-58°F) or lower, a DTC may be output even though the system is normal.
- *8 If the check is being performed in a dark place, DTC B1421 (solar sensor circuit abnormal) could be displayed. In this case, perform DTC check again while shining a light, such as an inspection light, on the solar sensor. If DTC B1421/21 is still displayed, there could be trouble in the solar sensor circuit.
- *4 If Compressor Lock (DTC B1422) is indicated only for a current malfunction (See page DI-626). To confirm DTC B1422, perform the following steps.

(1) With the engine ON, enter the DTC check mode.