

DIAGNOSTIC TROUBLE CODE CHART

If a malfunction code is displayed during the DTC check (sensor 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*4
00	Normal	-	-
B1411/11*1 (05-438)	Room temperature sensor circuit	<ul style="list-style-type: none"> • Cooler (room temp. sensor) thermistor • Harness or connector between cooler (room temp. sensor) thermistor and A/C amplifier assy • A/C amplifier assy 	○ (8.5 min. or more)
B1412/12*2 (05-441)	Ambient temperature sensor circuit	<ul style="list-style-type: none"> • Cooler (ambient temp. sensor) thermistor • Harness or connector between cooler (ambient temp. sensor) thermistor and ECM • ECM • Multiplex communication circuit • A/C amplifier assy 	○ (8.5 min. or more)
B1413/13 (05-444)	Evaporator temperature sensor circuit	<ul style="list-style-type: none"> • Cooler thermistor No. 1 • Harness or connector between cooler thermistor No. 1 and A/C amplifier assy • A/C amplifier assy 	○ (8.5 min. or more)
B1418/18 (05-447)	Exhaust gas sensor circuit	<ul style="list-style-type: none"> • Cooler (sensor thermistor smog ventilation) • Harness or connector • A/C amplifier assy 	-
B1421/21*3 (05-450)	Solar sensor circuit (short)	<ul style="list-style-type: none"> • Automatic light control sensor • Harness or connector between automatic light control sensor and A/C amplifier assy 	○ (8.5 min. or more)
	Solar sensor circuit (open)	<ul style="list-style-type: none"> • A/C amplifier assy 	-
B1422/22*5 (05-453)	All conditions below are detected for 3 sec. or more (a) Engine speed: 450 rpm or more (b) Ratio between engine and compressor rpm deviates 20 % or more in comparison to normal operation.	<ul style="list-style-type: none"> • Cooler compressor assy • Cooler compressor assy drive belt • Cooler compressor and magnetic clutch lock sensor • Harness and connector between ECM and cooler compressor assy, cooler compressor assy and body ground • Multiplex communication circuit • ECM • A/C amplifier assy 	-
B1423/23 (05-455)	Pressure switch circuit	<ul style="list-style-type: none"> • Pressure No. 1 switch • Harness or connector between pressure No. 1 switch and ECM, Pressure No. 1 switch and body ground • Multiplex communication circuit • Refrigerant pipe line • ECM • A/C amplifier assy 	○ (8.5 min. or more)
B1424/24*3 (05-458)	Solar sensor circuit (short)	<ul style="list-style-type: none"> • Automatic light control sensor • Harness or connector between automatic light control sensor and A/C Amplifier assy 	○ (8.5 min. or more)
	Solar sensor circuit (open)	<ul style="list-style-type: none"> • A/C amplifier assy 	-
B1431/31 (05-461)	Air mix damper position sensor circuit (Passenger side)	<ul style="list-style-type: none"> • Damper position sensor • Harness or connector between damper servo sub-assy and A/C amplifier assy • A/C amplifier assy 	○ (1 min. or more)
B1432/32 (05-465)	Air inlet damper position sensor circuit	<ul style="list-style-type: none"> • Damper position sensor • Harness or connector between damper servo sub-assy and A/C amplifier assy • A/C amplifier assy 	○ (1 min. or more)

DIAGNOSTICS - AIR CONDITIONING SYSTEM

B1433/33 (05-469)	Air Outlet Damper Position Sensor Circuit	<ul style="list-style-type: none"> • Damper Position Sensor • Harness or Connector between Damper Servo Sub-assy and A/C Amplifier Assy • A/C Amplifier Assy 	○ (1 min. or more)
B1436/36 (05-473)	Air Inlet Damper Position Sensor Circuit (Driver Side)	<ul style="list-style-type: none"> • Damper Position Sensor • Harness or Connector between Damper Servo Sub-assy and A/C Amplifier Assy • A/C Amplifier Assy 	○ (1 min. or more)
B1441/41 (05-477)	Air Inlet Control Servo Motor Circuit (Passenger Side)	<ul style="list-style-type: none"> • Damper Servo Sub-assy • Damper Position Sensor • Harness or Connector between Damper Servo Sub-assy and A/C Amplifier Assy • A/C Amplifier Assy 	○ (15 sec.)
B1442/42 (05-481)	Air Inlet Damper Control Servo Motor Circuit	<ul style="list-style-type: none"> • Damper Servo Sub-assy • Damper Position Sensor • Harness or Connector between Damper Servo Sub-assy and A/C Amplifier Assy • A/C Amplifier Assy 	○ (15 sec.)
B1443/43 (05-485)	Air Outlet Control Servo Motor Circuit	<ul style="list-style-type: none"> • Damper Servo Sub-assy • Damper Position Sensor • Harness or Connector between Damper Servo Sub-assy and A/C Amplifier Assy • A/C Amplifier Assy 	○ (15 sec.)
B1446/46 (05-489)	Air Inlet Damper Control Servo Motor Circuit (Driver Side)	<ul style="list-style-type: none"> • Damper Servo Sub-assy • Damper Position Sensor • Harness or Connector between Damper Servo Sub-assy and A/C Amplifier Assy • A/C Amplifier Assy 	○ (15 sec.)
B1499/99 (05-493)	Multiplex Communication Circuit	<ul style="list-style-type: none"> • Open in Multiplex Communication Circuit 	-

HINT:

- *1: If the room temp. is approx. -18.6°C (-3.7°F) or lower, trouble code B1411/11 may be output even though the system is normal.
- *2: If the ambient temp. is approx. -52.9°C (-61.4°F) or lower, a malfunction code may be output even though the system is normal.
- *3: If the check is being performed in a dark place, DTC B1421/21 or B1424/24 (solar sensor circuit abnormal) could be displayed.
- *4: The A/C amplifier memorizes the DTC of the respective malfunction it has occurred for the period of the time indicated in the brackets.
- *5: Compressor Lock (DTC B1422/22) is indicated only for a current malfunction. (See page 05-453)
To confirm DTC B1422/22, preform the following steps.
 - (1) With the engine ON, enter the DTC check mode.
 - (2) Press the R/F switch to enter actuator check mode, and set the operation to Step No. 3.
 - (3) Press the AUTO switch to return to DTC check mode.
 - (4) The DTC is displayed after approx. 3 secs.