DIAGNOSTIC TROUBLE CODE CHART

05I3R−01

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*6
B1400/00	Normal		
B1411/11*1 (05−797)	Room temperature sensor circuit (Open or short)	• Cooler (room temperature sensor) thermistor • Harness or connector between cooler (room temperature sensor) thermistor and A/C amplifier • A/C amplifier	○ (8.5 min. or more)
B1412/12*2 (05−802)	Ambient temperature sensor circuit (Open or short)	• A/C ambient temperature sensor • Harness or connector between cooler A/C ambient temperature sensor and ECM • ECM	○ (8.5 min. or more)
B1413/13 (05−807)	Evaporator temperature sensor circuit (Open or short)	• A/C evaporator temperature sensor • Harness or connector between A/C evaporator temperature sensor and A/C amplifier • A/C amplifier	○ (8.5 min. or more)
B1415/15 (05−812)	Air duct sensor circuit (Driver side) (Open or short)	• Air duct sensor • Harness or connector between duct sensor and A/C amplifier • A/C amplifier	○ (8.5 min. or more)
B1416/16 (05−816)	Air duct sensor circuit (Passenger side) (Open or short)	• Air duct sensor • Harness or connector between duct sensor and A/C amplifier • A/C amplifier	○ (8.5 min. or more)
B1418/18*7 (05−820)	Emission gas sensor circuit (HC, CO) (Open or short)	• Exhaust gas sensor (Emission gas sensor) • Harness or connector between exhaust gas sensor (Emission gas sensor) and A/C amplifier • A/C amplifier	−
B1421/21*3 (05−824)	Solar sensor circuit (Passenger side) (Open or short)	• A/C solar sensor • Harness or connector between A/C solar sensor and A/C amplifier • A/C amplifier	−
B1422/22*5 (05−829)	Compressor lock sensor circuit (Open or short)	• Cooler compressor assy • Cooler compressor assy drive belt • Cooler compressor assy and magnetic clutch lock sensor • Harness and connector between ECM and cooler compressor assy • ECM • A/C amplifier	−
B1423/23 (05−832)	Pressure switch circuit (open or short)	• A/C Pressure sensor • Harness or connector between A/C pressure sensor and A/C amplifier • Refrigerant pipe line • A/C amplifier	−
B1424/24*4 (05−837)	Solar sensor circuit (Driver side) (Open or short)	• A/C solar sensor • Harness or connector between A/C solar sensor and A/C amplifier • A/C amplifier	−
B1428/28*6 (05−842)	Rear solar sensor circuit (Rear side) (Open or short)	• A/C solar sensor (Rear solar sensor) • Harness or connector between A/C solar sensor (Rear solar sensor) and A/C amplifier • A/C amplifier	○ (8.5 min. or more)
B1432/32 (05−847)	Air inlet damper position sensor circuit (Open or short)	• Air inlet servomotor • Harness or connector between air inlet servomotor and A/C amplifier • A/C amplifier	○ (1 min. or more)

B1434/34 (05–853)	Max cool bypass damper position sensor circuit (Driver side) (Open or short)	• Cool air bypass servomotor (Max cool damper servomotor) • Harness or connector between cool air bypass servomotor (Max cool damper servomotor) and A/C amplifier • A/C amplifier	○ (1 min. or more)
B1435/35 (05–858)	Max cool bypass damper position sensor circuit (Passenger side) (Open or short)	• Cool air bypass servomotor (Max cool damper servomotor) • Harness or connector between cool air bypass servomotor (Max cool damper servomotor) and A/C amplifier • A/C amplifier	○ (1 min. or more)
B1442/42 (05–863)	Air inlet damper control servomotor circuit (Open or short)	• Air inlet servomotor • Harness or connector between air inlet servomotor and A/C amplifier • A/C amplifier	○ (15 secs. or more)
B1451/51*7 (05–867)	Solenoid of the externally changeable compressor circuit (Open or short)	• Cooler compressor assy • Harness and connector between A/C amplifier and solenoid of the externally changeable compressor • A/C amplifier	○ (1 min. or more)
B1461/61*7 (05–870)	Emission gas Nox sensor circuit (Open or short)	• Exhaust gas sensor (Emission gas Nox sensor) • Harness or connector between exhaust gas sensor (Emission gas Nox sensor) and A/C amplifier • A/C amplifier	–

HINT:
- *1 If the room temperature is approximately –20˚C (–4˚F) or lower, DTC B1411/11 may be output even though the system is normal.
- *2 If the ambient temperature is approximately –50˚C (–58˚F) or lower, a DTC may be output even though the system is normal.
- *3 If the check is being performed in a dark place, DTC B1421/21 (solar sensor circuit abnormal) could be displayed. In this case, perform DTC check again while shining a light, such as inspection light, on the solar sensor. If DTC B1421/21 is still displayed, there could be trouble in the solar sensor circuit.
- *4 If the check is being performed in a dark place, DTC B1424/24 (solar sensor circuit abnormal) could be displayed. In this case, perform DTC check again while shining a light, such as inspection light, on the solar sensor. If DTC B1424/24 is still displayed, there could be trouble in the solar sensor circuit.
- *5 This DTC is out put only for G.C.C. country models.
  Compressor lock (DTC B1422/22) is indicated only for a current malfunction (see page 05–829).
  To confirm DTC B1422/22, perform 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 approximately 3 seconds.
- *6 If the check is being performed in a dark place, DTC B1421/21 (solar sensor circuit abnormal) could be displayed. In this case, perform DTC check again while shining a light, such as inspection light, on the solar sensor. If DTC B1421/21 is still displayed, there could be trouble in the solar sensor circuit.
- *7 Except G.C.C. Countries models