

## DIAGNOSTIC TROUBLE CODE CHART

If 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
00	Normal	—	—
11*1 (05-1155)	Room temperature sensor circuit	<ul style="list-style-type: none"> <li>• Cooler thermistor (Room temp. sensor)</li> <li>• A/C amplifier</li> <li>• Harness or connector between cooler thermistor (room temp. sensor) and A/C amplifier</li> </ul>	○ (8.5 min. or more)
12*2 (05-1159)	Ambient temperature sensor circuit	<ul style="list-style-type: none"> <li>• Thermistor assy (Ambient temp. sensor)</li> <li>• Harness or connector between thermistor assy (ambient temp. sensor) and A/C amplifier</li> <li>• A/C amplifier</li> </ul>	○ (8.5 min. or more)
13 (05-1163)	Evaporator temperature sensor circuit	<ul style="list-style-type: none"> <li>• Cooler thermistor No. 1 (Evaporator temp. sensor)</li> <li>• Harness or connector between cooler thermistor No. 1 (evaporator temp. sensor) and A/C amplifier</li> <li>• A/C amplifier</li> </ul>	○ (8.5 min. or more)
14 (05-1167)	Engine coolant temperature communication circuit	<ul style="list-style-type: none"> <li>• Harness or connector between ECM and A/C amplifier</li> <li>• ECM</li> <li>• A/C amplifier</li> </ul>	—
21*3 (05-1169)	Solar sensor circuit (short) (Passenger side)	<ul style="list-style-type: none"> <li>• Solar sensor</li> <li>• Harness or connector between cooler (solar sensor) thermistor and A/C amplifier</li> <li>• A/C amplifier</li> </ul>	○ (8.5 min. or more)
	Solar sensor circuit (open)		—
22*4 (05-1172)	Compressor lock sensor circuit	<ul style="list-style-type: none"> <li>• Compressor Drive Belt</li> <li>• Compressor lock sensor</li> <li>• Compressor</li> <li>• ECM</li> <li>• Harness or connector between ECM and compressor lock sensor, A/C amplifier</li> <li>• A/C amplifier</li> </ul>	—
23 (05-1176)	Pressure switch circuit	<ul style="list-style-type: none"> <li>• Pressure switch</li> <li>• A/C amplifier</li> <li>• Harness or connector between pressure switch and A/C amplifier</li> </ul>	—
24*3 *7 (05-1179)	Solar sensor circuit (short) (Driver side)	<ul style="list-style-type: none"> <li>• Cooler (Solar sensor) thermistor</li> <li>• Harness or connector between cooler (solar sensor) thermistor and A/C amplifier</li> <li>• A/C amplifier</li> </ul>	○ (8.5 min. or more)
	Solar sensor circuit (open)		—
31 (05-1182)	Air mix damper position sensor circuit (Passenger side)	<ul style="list-style-type: none"> <li>• Damper servo sub-assy (Air mix damper position sensor)</li> <li>• A/C amplifier</li> <li>• Harness or connector between damper servo sub-assy (air mix damper position sensor) and A/C amplifier</li> </ul>	—
32 (05-1186)	Air inlet damper position sensor circuit	<ul style="list-style-type: none"> <li>• Blower damper servo sub-assy (Air inlet damper position sensor)</li> <li>• A/C amplifier</li> <li>• Harness or connector between air inlet damper position sensor and A/C amplifier</li> </ul>	○ (1 min. or more)
33 (05-1190)	Air outlet damper position sensor circuit	<ul style="list-style-type: none"> <li>• Mode damper servo sub-assy (Air outlet damper position sensor)</li> <li>• A/C amplifier</li> <li>• Harness or connector between mode damper servo sub-assy (air outlet damper position sensor) and A/C amplifier</li> </ul>	○ (1 min. or more)

36 *7 (05-1194)	Air mix damper position sensor circuit (Driver side)	<ul style="list-style-type: none"> <li>• Damper servo sub-assy (Air mix damper position sensor)</li> <li>• A/C amplifier</li> <li>• Harness or connector between damper servo sub-assy (air mix damper position sensor) and A/C amplifier</li> </ul>	○ (1 min. or more)
41 (05-1198)	Air mix damper control servomotor (Passenger side)	<ul style="list-style-type: none"> <li>• Damper servo sub-assy (Air mix damper control servomotor)</li> <li>• Harness or connector between damper servo sub-assy (air mix damper control servomotor) and A/C amplifier</li> <li>• A/C amplifier</li> </ul>	○ (15 sec.)
42 (05-1201)	Air inlet damper control servomotor	<ul style="list-style-type: none"> <li>• Blower damper servo sub-assy (Air inlet damper control servomotor)</li> <li>• Harness or connector between blower damper servo sub-assy (Air inlet damper control servomotor) and A/C amplifier</li> <li>• A/C amplifier</li> </ul>	○ (15 sec.)
43 (05-1204)	Air outlet damper control servomotor	<ul style="list-style-type: none"> <li>• Mode damper servo sub-assy (Air outlet damper control servomotor)</li> <li>• Harness or connector between mode damper servo sub-assy (air outlet damper control servomotor) and A/C amplifier</li> <li>• A/C amplifier</li> </ul>	○ (15 sec.)
46 *7 (05-1207)	Air mix damper control servomotor (Driver side)	<ul style="list-style-type: none"> <li>• Damper servo sub-assy (Air mix damper control servomotor)</li> <li>• Harness or connector between damper servo sub-assy (air mix damper control servomotor) and A/C amplifier</li> <li>• A/C amplifier</li> </ul>	○ (15 sec.)

**HINT:**

- \*1: If the room temp. is approx.  $-18.6^{\circ}\text{C}$  ( $-3.7^{\circ}\text{F}$ ) or lower, trouble code 11 may be output even though the system is normal.
- \*2: If the ambient temp. is approx.  $-52.9^{\circ}\text{C}$  ( $-61.4^{\circ}\text{F}$ ) or lower, a malfunction code may be output even though the system is normal.
- \*3: If the check is performed in a dark place, DTC 21, 24 (solar sensor circuit) could be displayed.
- \*4: Compressor lock (DTC 22) is indicated only for a existing malfunction (See page 05-1172).  
To confirm DTC 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 approx. 3 sec.
- \*5: The A/C amplifier memorizes the DTC of the respective malfunction which occurred within the period of the time indicated in the brackets.
- \*6: Even though the system is in good condition, DTC is output when the seat sensor temperature senses below  $-40^{\circ}\text{C}$  ( $-104^{\circ}\text{F}$ ) and over  $99^{\circ}\text{C}$  ( $210.2^{\circ}\text{F}$ ).
- \*7: DTC 24, 36 and 46 are indicated only for limited grade (right/left independent temperature control system).