

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.)

w/o Navigation system:

Blinking light	Detection Item	Trouble Area	Memory
RrDEF	Normal	–	–
RrDEF FACE *1 (DI-132)	Front 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)
RrDEF B/L *2 (DI-135)	Ambient temperature sensor circuit	<ul style="list-style-type: none"> Ambient temp. sensor Harness or connector between ambient temp. sensor and A/C amplifier A/C amplifier 	○ (8.5 min. or more)
RrDEF FOOT (DI-138)	Front 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)
RrACSW, FOOT (DI-144)	Rear evaporator temperature sensor circuit	<ul style="list-style-type: none"> Rear evaporator temp. sensor Harness or connector between Rear evaporator temp. sensor and A/C amplifier A/C amplifier 	○ (8.5 min. or more)
RrACSW, FACE *1 (DI-147)	Rear room temperature sensor circuit	<ul style="list-style-type: none"> Rear room temp. sensor Harness or connector between rear room temp. sensor and A/C amplifier A/C amplifier 	○ (8.5 min. or more)
RrDEF F/D (DI-141)	Engine coolant temperature sensor circuit	<ul style="list-style-type: none"> Engine coolant temp. sensor Harness or connector between engine coolant temp. sensor and A/C amplifier A/C amplifier 	–
RrDEF DEF *3 (DI-150)	Solar sensor circuit (Open)	<ul style="list-style-type: none"> Solar sensor Harness or connector between solar sensor and A/C amplifier 	–
	Solar sensor circuit (Short)	<ul style="list-style-type: none"> A/C amplifier 	○ (8.5 min. or more)
RrDEF FRS (DI-156)	Open in pressure sensor circuit Abnormal refrigerant pressure [below 196 kPa (2.0 kgf/cm ² , 28 psi) over 3,140 kPa (32.0 kgf/cm ² , 455 psi)]	<ul style="list-style-type: none"> Pressure switch Harness or connector between pressure switch and A/C amplifier Refrigerant pipe line A/C amplifier 	–
RrACSW, HI (DI-160)	Rear inlet air temperature sensor circuit	<ul style="list-style-type: none"> Rear inlet air temp. sensor Harness or connector between rear inlet air temp. sensor and A/C amplifier A/C amplifier 	○ (8.5 min. or more)
RrDEF REC (DI-163)	Front 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)
RrDEF LO (DI-167)	air inlet damper position sensor circuit	<ul style="list-style-type: none"> Air inlet damper position sensor circuit A/C amplifier Harness or connector between air inlet damper position sensor and A/C amplifier 	○ (1 min. or more)

RrDEF M1 (DI-163 DI-174)	Front air mix damper position sensor circuit	<ul style="list-style-type: none"> • Air mix damper control servomotor • Air mix damper position sensor • Harness and connector between A/C amplifier and air mix position sensor • Harness and connector between A/C amplifier and air mix damper control servomotor • A/C amplifier 	○ (15secs. or more)
RrDEF M2 (DI-167 DI-177)	Air inlet damper position sensor circuit	<ul style="list-style-type: none"> • Air mix damper control servomotor • Air mix damper position sensor • Harness and 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 	○ (15secs. or more)

HINT:

- *1 If the room temp. is approx. -20°C (-4°F) or lower, RrDEF and FACE indicator may be light up 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.
- *3 If the check is being performed in a dark place, RrDEF and DEF (solar sensor circuit abnormal) could be light up. In this case, perform DTC check again while shining a light, such as an inspection light, on the solar sensor. If RrDEF and DEF is still light up, there could be trouble in the solar sensor circuit.

w/Navigation system:

DTC No. (See page)	Detection Item	Trouble Area	Memory
00	Normal	–	–
11 *1 (DI-132)	Front room temperature sensor circuit	<ul style="list-style-type: none"> • Front room temp. sensor • Harness or connector between front room temp. sensor and A/C amplifier • A/C amplifier 	○ (8.5 min. or more)
12 *2 (DI-135)	Ambient temperature sensor circuit	<ul style="list-style-type: none"> • Ambient temp. sensor • Harness or connector between ambient temp. sensor and A/C amplifier • A/C amplifier 	○ (8.5 min. or more)
13 (DI-138)	Front evaporator temperature sensor circuit	<ul style="list-style-type: none"> • Front evaporator temp. sensor • Harness or connector between front evaporator temp. sensor and A/C amplifier • A/C amplifier 	○ (8.5 min. or more)
14 (DI-141)	Engine coolant temperature sensor circuit	<ul style="list-style-type: none"> • Engine coolant temp. sensor • Harness or connector between engine coolant temp. sensor and A/C amplifier • A/C amplifier 	–
21 *3 (DI-150)	Solar sensor circuit (Open)	<ul style="list-style-type: none"> • Solar sensor • Harness or connector between solar sensor and A/C amplifier • A/C amplifier 	–
	Solar sensor circuit (Short)		○ (8.5 min. or more)
22 *4 (DI-153)	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"> • Compressor drive belt • Compressor lock sensor • Compressor • Harness and connector between A/C amplifier and compressor, compressor lock sensor • A/C amplifier 	–
23 (DI-156)	Open in pressure sensor circuit Abnormal refrigerant pressure [below 196 kPa (2.0 kgf/cm ² , 28 psi) over 3,140 kPa (32.0 kgf/cm ² , 455 psi)]	<ul style="list-style-type: none"> • Pressure switch • Harness or connector between pressure switch and A/C amplifier • Refrigerant pipe line • A/C amplifier 	–
31 (DI-163)	Front air mix damper position sensor circuit	<ul style="list-style-type: none"> • Front air mix damper position sensor • A/C amplifier • Harness or connector between front air mix damper position sensor and A/C amplifier 	○ (1 min. or more)
32 (DI-163)	Air inlet damper position sensor circuit	<ul style="list-style-type: none"> • Air inlet damper position sensor circuit • A/C amplifier • Harness or connector between air inlet damper position sensor and A/C amplifier 	○ (1 min. or more)

41 (DI-163 DI-174)	Front air mix damper position sensor circuit	<ul style="list-style-type: none"> • Front air mix damper control servomotor • Front air mix damper position sensor • Harness and connector between A/C amplifier and air mix position sensor • Harness and connector between A/C amplifier and front air mix damper control servomotor • A/C amplifier 	○ (15 secs. or more)
42 (DI-167 DI-177)	Air inlet damper position sensor circuit	<ul style="list-style-type: none"> • Air mix damper control servomotor • Air mix damper position sensor • Harness and 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)

HINT:

- *1 If the room temp. is approx. -20°C (-4°F) or lower, DTC 11 may be light up 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.
- *3 If the check is being performed in a dark place, DTC 11 (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 11 is still displayed, there could be trouble in the solar sensor circuit.
- *4 Compressor lock (DTC 22) is indicated only for a current malfunction. (See page DI-153)

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 secs.