

AIR CONDITIONING: AIR CONDITIONING SYSTEM: 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.

DTC No.	Detection Item	Trouble Area	Memory *5	Refer to
11 *1	Room Temperature Sensor Circuit	1. Cooler thermistor (Room temp. sensor) 2. A/C amplifier 3. Harness or connector between cooler thermistor (room temp. sensor) and A/C amplifier	Memorized (8.5 min. or more)	[AIR CONDITIONING SYSTEM: 11: Room Temperature Sensor Circuit]
12 *2	Ambient Temperature Sensor Circuit	1. Thermistor assembly (Ambient temp. sensor) 2. Harness or connector between thermistor assembly (ambient temp. sensor) and A/C amplifier 3. A/C amplifier	Memorized (8.5 min. or more)	[AIR CONDITIONING SYSTEM: 12: Ambient Temperature Sensor Circuit]
13	Evaporator Temperature Sensor Circuit	1. Cooler thermistor No. 1 (Evaporator temp. sensor) 2. Harness or connector between cooler thermistor No. 1 (evaporator temp. sensor) and A/C amplifier 3. A/C amplifier	Memorized (8.5 min. or more)	[AIR CONDITIONING SYSTEM: 13: Evaporator Temperature Sensor Circuit]
14	Engine Coolant Temperature Communication Circuit	1. Harness or connector between ECM and A/C amplifier 2. ECM 3. A/C amplifier	-	[AIR CONDITIONING SYSTEM: 14: Engine Coolant Temperature Communication Circuit]
21 *3	Solar Sensor Circuit (Passenger Side)	1. Cooler (solar sensor) thermistor 2. Harness or connector between cooler (solar sensor) thermistor and A/C amplifier 3. A/C amplifier	Memorized (8.5 min. or more) (only when circuit is shorted)	[AIR CONDITIONING SYSTEM: 21: Solar Sensor Circuit]
22 *4	Compressor Lock Sensor Circuit	1. Compressor drive belt 2. Compressor lock sensor 3. Cooler compressor assembly 4. Harness or connector between compressor lock sensor and A/C amplifier 5. A/C amplifier	-	[AIR CONDITIONING SYSTEM: 22: Compressor Lock Sensor Circuit]
23	Pressure Switch Circuit	1. Pressure switch 2. A/C amplifier 3. Refrigerant pipe line 4. Harness or connector between pressure switch and A/C amplifier	-	[AIR CONDITIONING SYSTEM: 23: Pressure Switch Circuit]

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DTC No.	Detection Item	Trouble Area	Memory *5	Refer to
24 *3	Solar Sensor Circuit (Driver Side)	1. Cooler (Solar sensor) thermistor 2. Harness or connector between cooler (solar sensor) thermistor and A/C amplifier 3. A/C amplifier	Memorized (8.5 min. or more) (only when circuit is shorted)	[AIR CONDITIONING SYSTEM: 24: Solar Sensor Circuit]
31	Air Mix Damper Position Sensor Circuit (Passenger Side)	1. Damper servo sub-assembly (Air mix damper position sensor) 2. A/C amplifier 3. Harness or connector between damper servo sub-assembly (air mix damper position sensor) and A/C amplifier	Memorized (1 min. or more)	[AIR CONDITIONING SYSTEM: 31: Air Mix Damper Position Sensor Circuit]
32	Air Inlet Damper Position Sensor Circuit	1. Blower damper servo sub-assembly (Air inlet damper position sensor) 2. A/C amplifier 3. Harness or connector between blower damper servo sub-assembly (air inlet damper position sensor) and A/C amplifier	Memorized (1 min. or more)	[AIR CONDITIONING SYSTEM: 32: Air Inlet Damper Position Sensor Circuit]
33	Air Outlet Damper Position Sensor Circuit	1. Mode damper servo sub-assembly (Air outlet damper position sensor) 2. A/C amplifier 3. Harness or connector between mode damper servo sub-assembly (air outlet damper position sensor) and A/C amplifier	Memorized (1 min. or more)	[AIR CONDITIONING SYSTEM: 33: Air Outlet Damper Position Sensor Circuit]
36 *6	Air Mix Damper Position Sensor Circuit (Driver Side)	1. Damper servo sub-assembly (Air mix damper position sensor) 2. A/C amplifier 3. Harness or connector between damper servo sub-assembly (air mix damper position sensor) and A/C amplifier	Memorized (1 min. or more)	[AIR CONDITIONING SYSTEM: 36: Air Mix Damper Position Sensor Circuit]
41	Air Mix Damper Control Servo Motor Circuit (Passenger Side)	1. Damper servo sub-assembly (Air mix damper control servo motor) 2. Harness or connector between damper servo sub-assembly (air mix damper control servo motor) and A/C amplifier 3. A/C amplifier	Memorized (15 sec.)	[AIR CONDITIONING SYSTEM: 41: Air Mix Damper Control Servo Motor Circuit]
42	Air Inlet Damper Control Servo Motor Circuit	1. Blower damper servo sub-assembly (Air inlet damper control servo motor) 2. Harness or connector between blower damper servo sub-assembly (Air inlet damper control servo motor) and A/C amplifier 3. A/C amplifier	Memorized (15 sec.)	[AIR CONDITIONING SYSTEM: 42: Air Inlet Damper Control Servo Motor Circuit]

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DTC No.	Detection Item	Trouble Area	Memory *5	Refer to
43	Air Outlet Damper Control Servo Motor Circuit	1. Mode damper servo sub-assembly (Air outlet damper control servo motor) 2. Harness or connector between mode damper servo sub-assembly (air outlet damper control servo motor) and A/C amplifier 3. A/C amplifier	Memorized (15 sec.)	[AIR CONDITIONING SYSTEM: 43: Air Outlet Damper Control Servo Motor Circuit]
46 *6	Air Mix Damper Control Servo Motor Circuit (Driver Side)	1. Damper servo sub-assembly (Air mix damper control servo motor) 2. Harness or connector between damper servo sub-assembly (air mix damper control servo motor) and A/C amplifier 3. A/C amplifier	Memorized (15 sec.)	[AIR CONDITIONING SYSTEM: 46: Air Mix Damper Control Servo Motor Circuit]

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HINT:

- *1: If the room temp. is approx. -18.6°C (-3.7°F) or lower, trouble code 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 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. 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: DTC 24, 36 and 46 are indicated only for limited grade (right/left independent temperature control system).