DI264–18

# DIAGNOSTIC TROUBLE CODE CHART

If 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.)

| DTC No. (See page) | Detection Item | Trouble Area | Memory |
|---|---|---|---|
| 00 | Normal | – | – |
| 11 *1 (DI–1241) | Front room temperature sensor circuit | • Front room temp. sensor<br>• Harness or connector between front room temp. sensor and A/C amplifier<br>• A/C amplifier | ○ (8.5 min. or more) |
| 12 *2 (DI–1244) | Ambient temperature sensor circuit | • Ambient temp. sensor<br>• Harness or connector between ambient temp. sensor and A/C amplifier<br>• A/C amplifier | ○ (8.5 min. or more) |
| 13 (DI–1247) | Front evaporator temperature sensor circuit | • Front evaporator temp. sensor<br>• Harness or connector between front evaporator temp. sensor and A/C amplifier<br>• A/C amplifier | ○ (8.5 min. or more) |
| 14 (DI–1250) | Water temperature communication circuit | • Water temp. sensor<br>• Harness or connector between water temp. sensor and engine (and ECT) ECU<br>• Harness or connector between engine (and ECT) ECU and A/C amplifier<br>• Engine (and ECT) ECU<br>• A/C amplifier | – |
| 17 (DI–1252) | Rear evaporator temperature sensor circuit | • Rear evaporator temp. sensor<br>• Harness or connector between Rear evaporator temp. sensor and rear A/C amplifier<br>• Rear A/C amplifier | Rear A/C amplifier communication data |
| 19 *1 (DI–1255) | Rear room temperature sensor circuit | • Rear room temp. sensor<br>• Harness or connector between rear room temp. sensor and rear A/C amplifier<br>• Rear A/C amplifier | Rear A/C amplifier communication data |
| 21 *3 (DI–1258) | Solar sensor circuit (Open) | • Solar sensor<br>• Harness or connector between solar sensor and A/C amplifier<br>• A/C amplifier | – |
| | Solar sensor circuit (Short) | | ○ (8.5 min. or more) |
| 22 *4 (DI–1261) | All conditions below are detected for 3 sec. or more<br>(a) Engine speed: 450 rpm or more<br>(b) Ratio between engine and compressor rpm deviates 20% or more in comparison to normal operation. | • Compressor drive belt<br>• Compressor lock sensor<br>• Compressor<br>• Engine (and ECT) ECU<br>• Harness or connector between compressor lock sensor and engine (and ECT) ECU<br>• Harness or connector between engine (and ECT) ECU and A/C amplifier<br>• A/C amplifier | – |
| 23 (DI–1264) | Open in pressure sensor circuit<br>Abnormal refrigerant pressure [below 196 kPa (2.0 kgf/cm$^2$, 28 psi) over 3,140 kPa (32.0 kgf/cm$^2$, 455 psi)] | • Pressure switch<br>• Harness or connector between pressure switch and A/C amplifier<br>• Refrigerant pipe line<br>• A/C amplifier | – |

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| 26 (DI–1267) | Rear inlet air temperature sensor circuit | • Rear inlet air temp. sensor<br>• Harness or connector between rear inlet air temp. sensor and rear A/C amplifier<br>• Rear A/C amplifier | Rear A/C amplifier communication data |
| 31 (DI–1270) | Front air mix damper position sensor circuit | • Front air mix damper position sensor<br>• Harness or connector between front air mix damper position sensor and A/C amplifier<br>• A/C amplifier | ○ (1 min. or more) |
| 32 (DI–1273) | Air inlet damper position sensor circuit | • Air inlet damper position sensor sensor<br>• Harness or connector between air inlet damper position sensor and A/C amplifier<br>• A/C amplifier | ○ (1 min. or more) |
| 37 (DI–1276) | Rear air mix damper position sensor circuit | • Rear air mix damper position sensor<br>• Harness or connector between rear air mix damper position sensor and rear A/C amplifier<br>• Rear A/C amplifier | Rear A/C amplifier communication data |
| 41 (DI–1270 DI–1279) | Front air mix damper control servomotor circuit | • Front air mix damper control servomotor<br>• Harness or connector between front air mix damper control servomotor and A/C amplifier<br>• A/C amplifier | ○ (15 secs. or more) |
| 42 (DI–1273 DI–1282) | Air inlet damper control servomotor circuit | • Air inlet damper control servomotor<br>• Harness or connector between air inlet damper control servomotor and A/C amplifier<br>• A/C amplifier | ○ (15 secs. or more) |
| 47 (DI–1276 DI–1285) | Rear Air mix damper control servomotor circuit | • Rear air mix damper control servomotor<br>• Harness or connector between rear air mix damper control servomotor and rear A/C amplifier<br>• Rear A/C amplifier | Rear A/C amplifier communication data |

HINT:

- *1 If the room temp. is approx. −20°C (−4°F) or less, DTC 11 may be light up even though the system is normal.
- *2 If the ambient temperature is approx. −50°C (−58°F) or less, a DTC may be output even though the system is normal.
- *3 If the check is being performed in a dark place, DTC 21 (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 21 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–1261)

To confirm DTC 22, preform the following steps.

(1) With the engine ON, enter the DTC check mode.
(2) Press the R/F SW to enter actuator check mode, and set the operation to Step No. 3.
(3) Press the AUTO SW to return to DTC check mode.
(4) The DTC is displayed after approx. 3 secs.