

# PROBLEM SYMPTOMS TABLE

## Front A/C

| Symptom                                                                                           | Suspect Area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | See page                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Whole functions of the A/C system does not operate                                                | 3. IG power source circuit<br>4. ACC power source circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">DI-1847</a><br><a href="#">DI-1850</a>                                                                                                                                                                                                                                                                                                          |
| Air Flow Control : No blower operation                                                            | 1. IG power source circuit<br>2. ACC power source circuit<br>3. Blower motor circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">DI-1847</a><br><a href="#">DI-1850</a><br><a href="#">DI-1852</a>                                                                                                                                                                                                                                                                               |
| Air Flow Control : No blower control                                                              | 1. Blower motor circuit<br>2. Room temp. sensor circuit<br>3. Ambient temp. sensor circuit<br>4. Solar sensor circuit (Driver Side)<br>5. Solar sensor circuit (Passenger Side)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">DI-1852</a><br><a href="#">DI-1775</a><br><a href="#">DI-1778</a><br><a href="#">DI-1802</a><br><a href="#">DI-1793</a>                                                                                                                                                                                                                         |
| Air Flow Control : Insufficient air flow                                                          | 1. Blower motor circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <a href="#">DI-1852</a>                                                                                                                                                                                                                                                                                                                                     |
| Temperature Control : No cool air comes out                                                       | 1. Blower motor circuit<br>2. Pressure sensor circuit<br>3. Air mix damper control servomotor circuit<br>4. Room temp. sensor circuit<br>5. Ambient temp. sensor circuit<br>6. Evaporator temp. sensor circuit<br>7. Compressor lock sensor circuit<br>8. Solenoid of the externally changeable compressor circuit<br>9. Back up power source circuit                                                                                                                                                                                                                                                                                                                          | <a href="#">DI-1852</a><br><a href="#">DI-1799</a><br><a href="#">DI-1842</a><br><a href="#">DI-1775</a><br><a href="#">DI-1778</a><br><a href="#">DI-1781</a><br><a href="#">DI-1796</a><br><a href="#">DI-1824*</a><br><a href="#">DI-1845</a>                                                                                                            |
| Temperature Control : No warm air comes out                                                       | 1. Air mix damper control servomotor circuit<br>2. Water valve control servomotor circuit<br>3. Room temp. sensor circuit<br>4. Ambient temp. sensor circuit<br>5. Evaporator temp. sensor circuit<br>6. Compressor lock sensor circuit<br>7. Solenoid of the externally changeable compressor circuit<br>8. Pressure sensor circuit<br>9. Back up power source circuit                                                                                                                                                                                                                                                                                                        | <a href="#">DI-1842</a><br><a href="#">DI-1836</a><br><a href="#">DI-1775</a><br><a href="#">DI-1778</a><br><a href="#">DI-1781</a><br><a href="#">DI-1796</a><br><a href="#">DI-1824*</a><br><a href="#">DI-1799</a><br><a href="#">DI-1845</a>                                                                                                            |
| Temperature Control : Output air is warmer or cooler than the set temperature or response is slow | 1. Air mix damper control servomotor circuit<br>2. Water valve control servomotor circuit<br>3. Cool air bypass damper control servomotor circuit (Driver side)<br>4. Cool air bypass damper control servomotor circuit (Passenger side)<br>5. Cool air bypass damper position sensor circuit (Driver side)<br>6. Cool air bypass damper position sensor circuit (Passenger side)<br>7. Room temp. sensor circuit<br>8. Ambient temp. sensor circuit<br>9. Evaporator temp. sensor circuit<br>10. Air duct sensor circuit (Driver side)<br>11. Air duct sensor circuit (Passenger Side)<br>12. Solar sensor circuit (Driver side)<br>13. Solar sensor circuit (Passenger side) | <a href="#">DI-1842</a><br><a href="#">DI-1836</a><br><a href="#">DI-1830</a><br><a href="#">DI-1833</a><br><a href="#">DI-1813</a><br><a href="#">DI-1817</a><br><a href="#">DI-1775</a><br><a href="#">DI-1778</a><br><a href="#">DI-1781</a><br><a href="#">DI-1784</a><br><a href="#">DI-1787</a><br><a href="#">DI-1802</a><br><a href="#">DI-1793</a> |

## DIAGNOSTICS – AIR CONDITIONING SYSTEM

|                                                                                            |                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Temperature Control : No temperature control<br>(only Max. cool or Max. warm)              | 1. Air mix damper control servomotor circuit<br>2. Room temp. sensor circuit<br>3. Cool air bypass damper control servomotor circuit (Driver Side)<br>4. Cool air bypass damper control servomotor circuit (Passenger Side)<br>5. Evaporator temp. sensor circuit<br>6. Solar sensor circuit (Driver side)<br>7. Solar sensor circuit (Passenger side) | <a href="#">DI-1842</a><br><a href="#">DI-1775</a><br><a href="#">DI-1830</a><br><a href="#">DI-1833</a><br><a href="#">DI-1781</a><br><a href="#">DI-1802</a><br><a href="#">DI-1793</a> |
| No air inlet control                                                                       | 1. Air inlet damper control servomotor circuit<br>2. Air inlet damper position sensor circuit                                                                                                                                                                                                                                                          | <a href="#">DI-1821</a><br><a href="#">DI-1808</a>                                                                                                                                        |
| No air flow mode control                                                                   | 1. Air vent mode damper control servomotor circuit<br>2. Back up power source circuit                                                                                                                                                                                                                                                                  | <a href="#">DI-1839</a><br><a href="#">DI-1845</a>                                                                                                                                        |
| Blinking of A/C indicator                                                                  | 1. Compressor lock sensor circuit<br>2. Solenoid of the externally changeable compressor circuit                                                                                                                                                                                                                                                       | <a href="#">DI-1796</a><br><a href="#">DI-1824</a>                                                                                                                                        |
| Diagnostic trouble code not recorded.<br>Set mode is cleared when IG switch is turned OFF. | 1. Back up power source circuit                                                                                                                                                                                                                                                                                                                        | <a href="#">DI-1845</a>                                                                                                                                                                   |

\* Except G.C.C. Countries Models

**Rear A/C**

| Symptom                                                 | Suspect Area                                                                                                                                                                                                                                                                       | See page                                                                                                                                                                                                         |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Whole functions of the rear A/C system does not operate | 1. Rear A/C amplifier<br>2. ACC power source circuit                                                                                                                                                                                                                               | –<br><a href="#">DI-1850</a>                                                                                                                                                                                     |
| Air Flow Control: No blower operation                   | 1. ACC power source circuit<br>2. Rear A/C amplifier<br>3. Body ECU<br>4. Rear blower motor<br>5. Rear blower resistor                                                                                                                                                             | <a href="#">DI-1850</a><br>–<br>–<br><a href="#">DI-1864</a><br><a href="#">DI-1864</a>                                                                                                                          |
| Air Flow Control: No blower control                     | 1. Body ECU<br>2. Rear A/C blower motor<br>3. Rear A/C blower resistor<br>4. Rear A/C amplifier<br>5. Rear solar sensor circuit                                                                                                                                                    | –<br><a href="#">DI-1864</a><br><a href="#">DI-1864</a><br>–<br><a href="#">DI-1805</a>                                                                                                                          |
| Air Flow control: Insufficient air flow                 | 1. Rear blower motor<br>2. Rear blower resistor                                                                                                                                                                                                                                    | <a href="#">DI-1864</a><br><a href="#">DI-1864</a>                                                                                                                                                               |
| Temperature control: No cool air comes out              | 1. Refrigerant volume<br>2. Drive belt tension<br>3. Refrigerant pressure<br>4. Compressor circuit<br>5. Pressure sensor circuit<br>6. Exhaust damper control servomotor circuit<br>7. Ambient temperature sensor circuit<br>8. Rear A/C amplifier<br>9. Rear solar sensor circuit | <a href="#">AC-3</a><br><a href="#">AC-3</a><br><a href="#">AC-3</a><br><a href="#">DI-1856</a><br><a href="#">DI-1799</a><br><a href="#">DI-1870</a><br><a href="#">DI-1778</a><br>–<br><a href="#">DI-1805</a> |