

## PROBLEM SYMPTOMS TABLE

If a normal code is displayed during the diagnostic trouble code check (sensor check) but the trouble still occurs (reappears), perform troubleshooting for each problem symptom, checking the circuits for each symptom in the order given in the table below (Proceed to the page given for each circuit).

HINT:

- If the instruction "Proceed to next circuit inspection shown on matrix chart" is given in the flow chart for each circuit, proceed to the circuit with the next highest number in the table to continue the check.
- If the trouble still reappears even though there are no abnormalities in any of the other circuits, then check or replace the air conditioning control assembly (contains the ECU).

Symptom	Suspect Area	See page
Whole functions of the A/C system does not operate.	1. Automatic control switch circuit 2. IG power source circuit 3. ACC power source circuit 4. ECU (A/C control assy)	DI-888 DI-861 DI-864 <a href="#">IN-29</a>
Air Flow Control (No blower operation)	1. Heater main relay circuit 2. Blower motor control circuit 3. Engine coolant temp. sensor circuit 4. IG power source circuit 5. ACC power source circuit 6. ECU (A/C control assy)	DI-868 DI-871 DI-832 DI-861 DI-864 <a href="#">IN-29</a>
Air Flow Control (No blower control)	1. Blower motor control circuit 2. IG power source circuit 3. Heater main relay circuit	DI-871 DI-861 DI-868
Air Flow Control (Insufficient air flow)	1. Blower motor control circuit	DI-871
Temperature Control (No cool air comes out)	1. Refrigerant volume 2. Drive belt tension 3. Refrigeration system inspection with manifold gauge set 4. Compressor lock sensor circuit 5. Compressor circuit 6. Pressure switch circuit 7. Igniter circuit 8. Air mix servomotor circuit 9. Air mix damper position sensor circuit 10. Room temp. sensor circuit 11. Ambient temp. sensor circuit 12. ECU (A/C control assy)	<a href="#">AC-23</a> <a href="#">AC-16</a> <a href="#">AC-3</a> DI-838 DI-876 DI-840 DI-874 DI-852 DI-843 DI-823 DI-826 <a href="#">IN-29</a>
Temperature Control (No warm air comes out)	1. Water valve VSV circuit 2. Air mix servomotor circuit 3. Air mix damper position sensor circuit 4. Ambient temp. sensor circuit 5. Room temp. sensor circuit 6. Evaporator temp. sensor circuit 7. ECU (A/C control assy)	DI-882 DI-852 DI-843 DI-826 DI-823 DI-829 <a href="#">IN-29</a>

## DIAGNOSTICS – AIR CONDITIONING SYSTEM

Temperature Control (Out put air is warmer or colder than the set temperature or response is slow)	1. Refrigerant volume 2. Drive belt tension 3. Refrigeration system inspection with manifold gauge set 4. Cooling fan system 5. Room temp. sensor circuit 6. Ambient temp. sensor circuit 7. Evaporator temp. sensor circuit 8. Solar sensor circuit 9. Air mix damper position sensor circuit 10. Engine coolant temp. sensor circuit 11. Air mix servomotor circuit 12. Water valve VSV circuit 13. Condenser 14. Receiver 15. Evaporator 16. Heater radiator 17. Expansion valve 18. ECU (A/C control assy) 19. Communication line with cooling fan ECU	<a href="#">AC-21</a> <a href="#">AC-16</a> <a href="#">AC-3</a> CO-31 DI-823 DI-826 DI-829 DI-835 DI-843 DI-832 DI-852 DI-882 <a href="#">AC-39</a> <a href="#">AC-36</a> <a href="#">AC-44</a> <a href="#">AC-47</a> <a href="#">AC-49</a> <a href="#">IN-29</a> DI-891
Temperature Control (No temperature control (only Max. cool or Max. warm))	1. Air mix damper position sensor circuit 2. Air mix servomotor circuit 3. ECU (A/C control assy)	DI-843 DI-852 <a href="#">IN-29</a>
No air inlet control	1. Air inlet damper position sensor circuit 2. Air inlet servomotor circuit 3. ECU (A/C control assy)	DI-846 DI-855 <a href="#">IN-29</a>
No air outlet control	1. Air outlet damper position sensor circuit 2. Air outlet servomotor circuit 3. ECU (A/C control assy)	DI-849 DI-858 <a href="#">IN-29</a>
Engine idle up does not occur, or is continuous	1. Compressor circuit 2. Igniter circuit 3. ECU (A/C control assy)	DI-876 DI-874 <a href="#">IN-29</a>
Blinking of A/C indicator	1. Solar sensor circuit 2. ECU (A/C control assy)	DI-835 <a href="#">IN-29</a>
Set temp. value displayed does not match up with operation of temp. control switch.	1. Temperature control switch circuit 2. ECU (A/C control assy)	DI-885 <a href="#">IN-29</a>
Unable to access the diagnosis mode.	1. ECU (A/C control assy)	<a href="#">IN-29</a>
Diagnostic trouble code not recorded. Set mode is cleared when IG switch is turned off.	1. Back-up power source circuit 2. ECU (A/C control assy)	DI-866 <a href="#">IN-29</a>