

PROBLEM SYMPTOMS TABLE

FRONT A/C

Symptom	Suspect Area	See page
Whole functions of the A/C system does not operate	1. A/C amplifier 2. ACC power source circuit	IN-34 DI-870
Air Flow Control: No blower operation	1. ACC power source circuit 2. Heater main relay 3. Blower motor circuit 4. A/C amplifier 5. Blower motor controller	DI-870 AC-95 DI-873 IN-34 AC-81
Air Flow Control: No blower control	1. Blower motor circuit 2. A/C amplifier 3. Solar sensor circuit 4. Blower motor controller	DI-873 IN-34 DI-841 AC-81
Air Flow Control: Insufficient air flow	1. Blower motor circuit 2. Blower motor controller	DI-873 AC-81
Temperature Control: No cool air comes out	1. Refrigerant volume 2. Drive belt tension 3. Refrigeration system inspection with manifold gauge set 4. Compressor circuit 5. Pressure switch circuit 6. Front air mix damper position sensor circuit 7. Front air mix damper control servomotor circuit 8. Front room temp. sensor circuit 9. Ambient temp. sensor circuit 10. A/C amplifier	AC-22 AC-15 AC-3 DI-876 DI-847 DI-853 DI-862 DI-821 DI-824 IN-34
Temperature Control: No warm air comes out	1. Front air mix damper position sensor circuit 2. Front air mix damper control servomotor circuit 3. Front room temp. sensor circuit 4. Ambient temp. sensor circuit 5. Front evaporator temp. sensor circuit 6. A/C amplifier	DI-853 DI-862 DI-821 DI-824 DI-827 IN-34
Temperature Control: Output air is warmer or cooler 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. Solar sensor circuit 6. Front room temp. sensor circuit 7. Ambient temp. sensor circuit 8. Front Evaporator temp. sensor circuit 9. Front air mix damper position sensor circuit 10. Front air mix damper control servomotor circuit 11. Front air inlet damper position sensor circuit 12. Front air inlet damper control servomotor circuit 13. Condenser 14. Evaporator 15. Heater radiator 16. Expansion valve 17. A/C amplifier	AC-22 AC-15 AC-3 AC-99 DI-841 DI-821 DI-824 DI-827 DI-853 DI-862 DI-856 DI-864 AC-68 AC-73 AC-42 AC-23 IN-34

DIAGNOSTICS – AIR CONDITIONING SYSTEM

Symptom	Suspect Area	See page
Temperature Control: No temperature control (only Max. cool or Max. warm)	1. Front room temp. sensor circuit 2. Ambient temp. sensor circuit 3. Front air mix damper position sensor circuit 4. Front air mix damper control servomotor circuit 5. A/C amplifier	DI-821 DI-824 DI-853 DI-862 IN-34
No air inlet control	1. Front air inlet damper position sensor circuit 2. Front air inlet damper control servomotor circuit 3. Exhaust gas sensor 4. A/C amplifier	DI-856 DI-864 DI-835 IN-34
No air flow control	1. Air outlet damper position sensor circuit 2. Air outlet damper control servomotor circuit 3. A/C amplifier	AC-85 AC-85 IN-34
Engine idle up does not occur, or is continuous	1. Compressor circuit 2. ECM	DI-876 DI-20

REAR A/C

Symptom	Suspect Area	See page
Whole functions of the rear A/C system does not operate	1. Rear A/C amplifier 2. ACC power source circuit	IN-34 DI-870
Air Flow Control: No blower operation	1. ACC power source circuit 2. Rear heater main relay 3. Rear blower motor 3. Rear blower resister 4. Rear A/C amplifier	DI-870 AC-96 AC-45 – IN-34
Air Flow Control: No blower control	1. Rear heater main relay 2. Rear blower motor 3. Rear blower resister 4. Rear A/C amplifier 5. Solar sensor circuit	AC-96 AC-45 – IN-34 DI-841
Air Flow Control: Insufficient air flow	1. Rear blower motor 2. Rear blower resister	DI-873 –
Temperature Control: No cool air comes out	1. Refrigerant volume 2. Drive belt tension 3. Refrigeration system inspection with manifold gauge set 4. Compressor circuit 5. Pressure switch circuit 6. Rear air mix damper position sensor circuit 7. Rear air mix damper control servomotor circuit 8. Rear room temp. sensor circuit 9. Ambient temp. sensor circuit 10. Rear A/C amplifier	AC-22 AC-15 AC-3 DI-876 DI-847 DI-859 DI-866 DI-838 DI-824 IN-34
Temperature Control: No warm air comes out	1. Rear air mix damper position sensor circuit 2. Rear air mix damper control servomotor circuit 3. Rear room temp. sensor circuit 4. Ambient temp. sensor circuit 5. Rear evaporator temp. sensor circuit 6. Rear A/C amplifier	DI-859 DI-866 DI-838 DI-824 DI-832 IN-34
Temperature Control: Output air is warmer or cooler 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. Solar sensor circuit 6. Rear room temp. sensor circuit 7. Ambient temp. sensor circuit 8. Rear evaporator temp. sensor circuit 9. Rear air mix damper position sensor circuit 10. Rear air mix damper control servomotor circuit 11. Condenser 12. Evaporator 13. Heater radiator 14. Expansion valve 15. Rear A/C amplifier	AC-22 AC-15 AC-3 AC-99 DI-841 DI-838 DI-824 DI-832 DI-859 DI-866 AC-68 AC-29 AC-45 AC-29 IN-34
Temperature Control: No temperature control (only Max. cool or Max. warm)	1. Rear room temp. sensor circuit 2. Ambient temp. sensor circuit 3. Rear air mix damper position sensor circuit 4. Rear air mix damper control servomotor circuit 5. Rear A/C amplifier	DI-838 DI-824 DI-859 DI-866 IN-34