

PROBLEM SYMPTOMS TABLE

1. 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-676
Air Flow Control: No blower operation	1. ACC power source circuit 2. Heater main relay 3. Blower motor circuit 4. A/C amplifier	DI-676 AC-82 DI-679 IN-34
Air Flow Control: No blower control	1. Heater main relay 2. Blower motor circuit 3. A/C amplifier 4. Solar sensor circuit	AC-82 DI-679 IN-34 DI-650
Air Flow Control: Insufficient air flow	Blower motor circuit	DI-679
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-682 DI-653 DI-659 DI-668 DI-633 DI-636 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-659 DI-668 DI-633 DI-636 DI-639 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 DI-650 DI-633 DI-636 DI-639 DI-659 DI-668 DI-662 DI-670 AC-59 AC-68 AC-33 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-633 DI-636 DI-659 DI-668 IN-34
No air inlet control	1. Front air inlet damper position sensor circuit 2. Front air inlet damper control servomotor circuit 3. A/C amplifier	DI-662 DI-670 IN-34
No air flow mode	1. Air outlet damper control servomotor 2. A/C amplifier	IN-34
Engine idle up does not occur, or is continuous	1. Compressor circuit 2. A/C amplifier	DI-682 IN-34

2. 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-676
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-676 AC-83 AC-36 AC-72 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-83 AC-36 AC-72 IN-34 DI-650
Air Flow Control: Insufficient air flow	1. Rear Blower motor 2. Rear Blower resister	DI-679 AC-72
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-682 DI-653 DI-665 DI-672 DI-647 DI-636 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-665 DI-672 DI-647 DI-636 DI-644 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 DI-650 DI-633 DI-636 DI-644 DI-665 DI-672 AC-59 AC-68 AC-36 AC-23 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-647 DI-636 DI-665 DI-672 IN-34