

TROUBLESHOOTING

AC27Y-03

PROBLEM SYMPTOMS TABLE

Use the table below to help you find the cause of the problem. The numbers indicate the priority of the likely cause of the problem. Check each part in order. If necessary, replace these parts.

Standard:

Symptom	Suspect Area	See page
No blower operation	4. HTR Fuse 5. Heater main relay 6. Blower motor 7. Blower resistor 8. Blower speed control switch 9. Wire harness	- AC-64 AC-56 AC-58 AC-88 -
No air temperature control	1. Engine coolant volume 2. Heater control assembly	- AC-78
No compressor operation	1. Refrigerant volume 2. A.C Fuse 3. Magnetic clutch relay 4. Magnetic clutch 5. Compressor 6. Pressure switch 7. A/C switch 8. A/C amplifier 9. Thermistor 10. Wire harness	AC-3 - AC-66 AC-42 AC-42 AC-61 AC-88 AC-75 AC-60 -
No cool air comes out	1. Refrigerant volume 2. Refrigerant pressure 3. Drive belt 4. Magnetic clutch 5. Compressor 6. Pressure switch 7. Thermistor 8. A/C switch 9. A/C amplifier 10. Heater control assembly 11. Wire harness	AC-3 AC-3 AC-16 AC-42 AC-42 AC-61 AC-60 AC-88 AC-75 AC-78 -
Insufficient cooling	1. Refrigerant volume 2. Drive belt 3. Magnetic clutch 4. Compressor 5. Condenser 6. Expansion valve 7. Evaporator 8. Refrigerant lines 9. Pressure switch 10. A/C amplifier 11. Heater control assembly	AC-3 AC-16 AC-42 AC-42 AC-49 AC-54 AC-31 AC-21 AC-61 AC-75 AC-78
No engine idle-up when A/C switch ON	1. A/C amplifier 2. Engine (and ECT) ECU 3. Wire harness	AC-75 - -
No air inlet control	Heater control assembly	AC-78
No mode control	Heater control assembly	AC-78

AIR CONDITIONING - TROUBLESHOOTING

Symptom	Suspect Area	See page
No condenser fan operation	1. ECU - IG Fuse	-
	2. RDI Fuse	-
	3. Fan No. 1 relay	AC-67
	4. Water temperature switch	AC-90
	5. Fan motor	AC-68
	6. A/C amplifier	AC-75
	7. Engine (and ECT) ECU	-
	8. Wire harness	-
No condenser fan speed change	1. Fan No. 2 relay	AC-67
	2. Pressure switch	AC-61
	3. Condenser fan resistor	AC-74
	4. A/C amplifier	AC-75
	5. Wire harness	-

Two way flow heater:

Symptom	Suspect Area	See page
No blower operation	1. GAUGE Fuse	-
	2. HTR Fuse	-
	3. Heater main relay	AC-64
	4. Blower motor	AC-56
	5. Blower resistor	AC-58
	6. Blower speed control switch	AC-88
	7. Wire harness	-
No air inlet control	1. ECU - IG Fuse	-
	2. Air inlet servomotor	AC-59
	3. Heater switch (Heater control assembly)	AC-82
	4. PTC amplifier	AC-75
	5. Wire harness	-
Air inlet door does not operate on the two way flow position, when perform in these conditions: <ul style="list-style-type: none"> • Air inlet selector: FRESH • Blower switch: ON • Temperature control selector: MAX. WARM • Mode selector: FOOT or FOOT/DEF. 	1. A/C Fuse	-
	2. Micro switch (for MAX. WARM)	AC-39
	3. Micro switch (for FOOT, FOOT/DEF.)	AC-39
	4. Heater switch (Heater control assembly)	AC-82
	5. PTC amplifier	AC-75
	6. Air inlet servomotor	AC-59
	7. Wire harness	-

PTC heater:

Symptom	Suspect Area	See page
PTC heater does not operate, when perform in these conditions: <ul style="list-style-type: none"> • Engine coolant temp.: 60 °C (140 °F) or below • Engine speed: 650 rpm or above • Temperature control selector: MAX. COOL 	1. A/C Fuse	-
	2. Micro switch (for MAX. WARM)	AC-39
	3. Micro switch (for FOOT, FOOT/DEF.)	AC-39
	4. Heater switch (Heater control assembly)	AC-82
	5. PTC heater (Heater radiator)	AC-39
	6. PTC amplifier	AC-75
	7. Air inlet servomotor	AC-59
	8. Wire harness	-