

TROUBLESHOOTING (Manual A/C)

PROBLEM SYMPTOMS TABLE

AC1R0-02

Use the table below the 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, repair or replace the these parts.

FRONT A/C

Symptom	Suspect Area	See page
No blower operation	1. IG source circuit 2. ACC power source circuit 3. Heater main relay 4. A/C control assembly 5. Blower motor 6. Blower resistor 7. Wire harness	– – AC-157 AC-179 AC-136 AC-140 –
No blower control	1. Blower motor 2. A/C control assembly 3. Blower resistor 4. Wire harness	AC-136 AC-179 AC-140 –
No compressor operation	1. Refrigerant volume 2. IG power source circuit 3. Magnetic clutch relay 4. Magnetic clutch 5. Compressor 6. A/C control assembly 7. Pressure switch 8. *1Water temperature cut relay 9. *1Water temperature cut switch 10. Wire harness	AC-3 – AC-167 AC-91 AC-91 AC-179 AC-154 AC-161 AC-202 –
No cool air comes out	1. Refrigerant volume 2. Refrigerant pressure 3. Compressor 4. Condenser 5. Evaporator 6. Expansion valve 7. Refrigerant line 8. Air mix servomotor 9. A/C control assembly 10. Thermistor 11. Wire harness	AC-3 AC-3 AC-91 AC-119 AC-126 AC-126 AC-28 AC-146 AC-179 AC-131 –
No air inlet control	1. Air inlet servomotor 2. A/C control assembly 3. Wire harness	AC-79 AC-179 –
No temperature control	1. Air mix servomotor 2. A/C control assembly 3. Wire harness	AC-146 AC-179 –
No mode control	1. Air outlet servomotor 2. A/C control assembly 3. Wire harness	AC-147 AC-179 –
Blinking of A/C indicator	1. Compressor 2. Drive belt 3. Compressor lock sensor 4. A/C control assembly	AC-91 AC-22 AC-91 AC-179

No engine idle-up when A/C switch ON	1. A/C control assembly 2. * ³ Engine (and ECT) ECU 3. * ³ Idle air control system 4. * ¹ Idle-up VSV	AC-179 – – AC-174
No warm air comes out	1. Engine coolant volume 2. Air mix servomotor 3. A/C control assembly	– AC-146 AC-179
No viscous heater operation	1. IG power source circuit 2. Viscous heater relay 3. Power heater switch 4. Magnetic clutch relay 5. Heater amplifier 6. Viscous heater and magnetic clutch	– AC-165 AC-203 AC-167 AC-194 AC-117
No engine idle-up when IDLE-UP switch or POWER HEATER switch ON	1. Idle-up switch (Power heater switch) 2. * ² Heater amplifier 3. * ¹ Idle-up VSV 4. * ² Engine (and ECT) ECU 5. Wire harness	AC-203 AC-194 AC-174 – –
Brightness does not change when light control switch is turned	1. Headlight and taillight system 2. A/C control assembly	BE-26 AC-179
No condenser fan operation (Dual A/C)	1. IG power source circuit 2. CDS FAN fuse 3. Condenser fan relay 4. Condenser fan motor 5. Pressure switch 6. Wire harness	– – AC-160 AC-168 AC-154 –

*1: 1HZ, 1HD-T Engine

*2: 1HD-FTE Engine

*3: 1FZ-FE, 2UZ-FE Engine

REAR COOLER

Symptom	Suspect Area	See page
No blower operation	1. IG power source circuit 2. RR. A.C Fuse 3. Blower speed control relay 4. Blower motor 5. Blower resistor 6. Rear A/C control assembly 7. A/C control assembly 8. Wire harness	– – AC-162 AC-52 AC-141 AC-187 AC-179 –
No blower control	1. Blower motor 2. Blower resistor 3. Rear A/C control assembly 4. Wire harness	AC-52 AC-141 AC-187 –
No cool air comes out	1. Refrigerant volume 2. Refrigerant pressure 3. Evaporator 4. Expansion valve 5. Thermistor 6. Rear A/C control assembly 7. A/C Amplifier	AC-3 AC-3 AC-52 AC-43 AC-52 AC-187 AC-189
No temperature control	1. Rear A/C control assembly 2. A/C Amplifier	AC-187 AC-189

REAR HEATER

Symptom	Suspect Area	See page
No blower operation	1. IG power source circuit	–
	2. RR HTR Fuse	–
	3. Rear heater relay	AC-158
	4. Blower motor	AC-70
	5. Blower resistor	AC-142
	6. Rear heater control assembly	AC-199
	7. A/C control assembly	AC-179
No blower control	1. Blower motor	AC-70
	2. Blower resistor	AC-142
	3. Blower Hi relay	AC-159
	4. Rear heater control assembly	AC-199
	5. A/C control assembly	AC-179
No warm air comes out	1. Engine coolant volume	–
	2. Rear heater control assembly	AC-199
	3. Heater radiator	AC-70

COOL BOX

Symptom	Suspect Area	See page
No blower operation	1. IG power source circuit	–
	2. Cool box relay	AC-166
	3. Blower motor	AC-134
	4. Cool box switch	AC-195
	5. A/C control assembly	AC-179
Insufficient cooling	1. Refrigerant volume	AC-3
	2. Magnetic valve	AC-134
	3. Expansion valve	AC-82
	4. Evaporator	AC-88
	5. Thermistor	AC-88
	6. Cool box switch	AC-195
	7. A/C control assembly	AC-179