

PROBLEM SYMPTOMS TABLE

Check the suspected areas for each problem symptom in the order given in the table below and proceed to the relevant troubleshooting page.

HINT:

Inspect the fuses and relays before inspecting the suspected areas shown in the table below.

If the malfunction still exists even after checking and confirming that all the suspected areas are normal, replace the A/C amplifier.

Symptom	Suspected area	See page
No Cool Air Comes Out: • Compressor Not Operating	A/C fuse	-
	Volume of refrigerant	AC-14
	Pressure switch	AC-85
	Magnetic clutch	AC-70
	Cooler thermistor sensor	AC-84
	Air conditioner amplifier assembly	AC-9
	Compressor pick up sensor	AC-70
	Cooler compressor	AC-67
	Cooler compressor	AC-73
	Wire harness or connector	-
No Cool Air Comes Out: • Blower Not Operating	HTR fuse	-
	Heater relay	AC-88
	Blower resistor	AC-63
	Blower motor	AC-62
	Blower speed control switch	AC-91
	Air conditioning control assembly	AC-91
	Wire harness or connector	-
No Cool Air Comes Out: • Air Mix Damper Servo Not Operating	Air mix damper fuse	-
	Air mix control servo motor	AC-82
	Air conditioning control assembly	AC-91
	Wire harness or connector	-
No Cool Air Comes Out: • Insufficient Cooling	Volume of refrigerant	AC-14
	Blower motor performance check	-
	Air mix damper servo full travel check	-
	Recirculation damper servo operation check	-
No Engine Idle-up when A/C Switch ON	Air conditioner amplifier assembly	AC-9
	Idling control system (2TR-FE)	ES-252
	Idling control system (1GR-FE)	ES-246
	Wire harness or connector	-
No Warm Air Comes Out: • Blower Not Operating	HTR fuse	-
	Heater relay	AC-88
	Blower resistor	AC-63
	Blower motor	AC-62
	Blower speed control switch	AC-91
	Air conditioning control assembly	AC-91
	Wire harness or connector	-

Symptom	Suspected area	See page
No Warm Air Comes Out: • Air Mix Damper Servo Not Operating	Air mix damper fuse	-
	Air mix control servo motor	AC-82
	Air conditioning control assembly	AC-91
	Wire harness or connector	-
No Warm Air Comes Out: • Insufficient Cooling	Volume of engine coolant	-
	Air conditioning control assembly	AC-91
	Blower motor performance check	-
	Air mix damper servo full travel check	-
	Recirculation damper servo operation check	-
	Heater radiator	-
Air Not Coming From Desired Outlets: • Blower Not Operating	HTR fuse	-
	Heater relay	AC-88
	Blower resistor	AC-63
	Blower motor	AC-62
	Blower speed control switch	AC-91
	Air conditioning control assembly	AC-91
	Wire harness or connector	-
Air Not Coming From Desired Outlets: • Air Mix Damper Servo Not Operating	Air mix damper fuse	-
	Air mix control servo motor	AC-82
	Air conditioning control assembly	AC-91
	Wire harness or connector	-
Windshield Fogging: • Compressor Not Operating	A/C fuse	-
	Volume of refrigerant	AC-14
	Pressure switch	AC-85
	Magnetic clutch	AC-70
	Cooler thermistor sensor	AC-84
	Air conditioner amplifier assembly	AC-9
	Compressor pick up sensor	AC-70
	Cooler compressor	AC-67
	Cooler compressor	AC-73
	Wire harness or connector	-
Windshield Fogging: • Blower Not Operating	HTR fuse	-
	Heater relay	AC-88
	Blower resistor	AC-63
	Blower motor	AC-62
	Blower speed control switch	AC-91
	Air conditioning control assembly	AC-91
	Wire harness or connector	-
Windshield Fogging: • Air Mix Damper Servo Not Operating	Air mix damper fuse	-
	Air mix control servo motor	AC-82
	Air conditioning control assembly	AC-91
	Wire harness or connector	-
Windshield Fogging: • Insufficient Cooling	Volume of refrigerant	AC-14
	Blower motor performance check	-
	Air mix damper servo full travel check	-
	Recirculation damper servo operation check	-

Symptom	Suspected area	See page
Defrosting Insufficient: • Air flow from def outlet insufficient (Check airflow when engine is running, blower MAX and DEF mode)	Blower motor	AC-62
	Mode doors: Check cooling, heating & door operation	-
	Mode control servo motor: Hot air not coming, Go to no hot air comes out	-
	Mode control servo motor: Cold air not coming, Go to no cold air comes out	-
Noise: • Blower noise (Check noise when ignition switch ON and blower ON)	Blower motor: Inspect blower motor for debris/cracks	-
	Fresh air intake area: Inspect fresh air intake area for debris	-
Noise: • A/C system (Engine is running, A/C switch is ON. Detect noise source using soundscope and moving around the refrigerant system.)	Cooler compressor: Cooler compressor incorrectly fitted	AC-73
	Magnetic clutch	AC-70
	Refrigerant charge amount	AC-18
	Compressor mounting bracket: Compressor mounting bracket incorrectly fitted (2TR-FE)	ES-447
	Compressor mounting bracket: Compressor mounting bracket incorrectly fitted (1GR-FE (2WD))	EM-26
	Compressor mounting bracket: Compressor mounting bracket incorrectly fitted (1GR-FE (PRE RUNNER/4WD))	EM-48
	A/C lines secure & not grounded	-
Odor (Cycle through blower speed, mode, temperature to define odor type when engine is running and A/C switch is ON. (Musty smell, coolant oil smell))	Wet carpet: Inspect water, engine coolant or oil leaks	-
	A/C drain tube: Inspect water, engine coolant or oil leaks	-
	Fresh air intake area: Inspect water, engine coolant or oil leaks	-
	Heater hose: Inspect water, engine coolant or oil leaks	-
	Evaporator: Inspect water, engine coolant or oil leaks	-
	Evapo case: Inspect water, engine coolant or oil leaks	-
Air Not Coming from Desired Outlets (Cycle the mode lever and check airflow for outlets when engine is running, A/C switch is ON.)	Blower motor	AC-62
	Mode control servo motor	AC-82
	Mode doors: Check cooling, heating & door operation	-
	Wire harness or connector	-
	Air conditioning control assembly	AC-91