

General Diagnostic Table

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

28.General Diagnostic Table

A: INSPECTION

Symptoms		Repair order
Blower motor	Does not operate.	Fuse
		Blower motor relay
		Blower motor
		Blower motor resistor (Manual A/C)
		Blower switch
		Wiring harness
	Noise	Blower motor
Compressor	Does not operate.	Refrigerant
		Fuse
		Air conditioning relay
		Magnet clutch
		Compressor
		Pressure switch
		A/C switch
		Blower switch
		Wiring harness
	Noise	V-belt
		Magnet clutch
		Compressor
Cold air not emitted.		Refrigerant
		V-belt
		Magnet clutch
		Compressor
		Pressure switch
		Aspirator hose
		Blower fan relay
		Blower motor
		A/C switch
		Blower switch
		Control module
		Expansion valve
		Evaporator
		Air mix actuator (Auto A/C)
		Temperature control cable (Manual A/C)
		Wiring harness
		Heater duct
		Heater vent duct
Warm air not emitted.		Engine coolant
		Aspirator hose
		Air mix actuator (Auto A/C)
		Temperature control cable (Manual A/C)
		Blower switch
		Heater core

General Diagnostic Table

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

Symptoms	Repair order
Temperature of air from vents does not change.	Engine coolant
	Air mix actuator (Auto A/C)
	Temperature control cable (Manual A/C)
	Temperature control switch
	Wiring harness (Auto A/C)
Unable to switch blow vents.	Mode actuator (Auto A/C)
	Mode switch cable (Manual A/C)
	Mode switch (Auto A/C)
	Wiring harness (Auto A/C)
Unable to switch suction vents.	FRESH/RECIRC switch (Auto A/C)
	Intake door actuator (Auto A/C)
	Wiring harness (Auto A/C)

HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS)

AC(diag)

	Page
1. Basic Diagnostic Procedure	2
2. General Description	3
3. Electrical Component Location	5
4. Auto A/C Control Module I/O Signal	7
5. Diagnostic Chart for Self-Diagnosis	9
6. Diagnostics for A/C System Malfunction	14
7. Diagnostic Procedure for Actuators	23
8. Diagnostic Procedure for Sensors	29
9. Diagnostics with Phenomenon	37