

SPECIAL TOOLS AND EQUIPMENT

Tool	SST No.	Use
Ohmmeter		To diagnosis electrical system
Voltage meter		To diagnosis electrical system
Air conditioning service tool set	07110-58011	To evacuate and charge system
Magnetic clutch remover	07112-66040	To remove pressure plate
Magnetic clutch stopper	07112-76060	To remove and install pressure plate
Snap ring pliers	07114-84020	To remove pressure plate

SSM (SPECIAL SERVICE MATERIALS)

Part Name	Part No.	Use etc.
ND OIL6, SUNISO No.5GS or equivalent	07117-68040	Compressor

TROUBLESHOOTING

Problem	Possible cause	Remedy	Page
No cooling or warm air	Magnetic clutch does not engage		
	(a) A/C fuse blown	Replace fuse and check for short	AC-6 AC-17
	(b) Magnetic clutch faulty	Check magnetic clutch	AC-29
	(c) A/C switch faulty	Check switch	AC-31
	(d) A/C amplifier faulty	Check amplifier	AC-6
	(e) Wiring or ground faulty	Repair as necessary	AC-16
	(f) Refrigerant empty	Check refrigerant volume	AC-37
	(g) Heater relay faulty	Check heater relay	AC-29
	(h) Pressure switch faulty	Check pressure switch	
	Compressor does not rotate properly		
	(a) Drive belt loose or broken	Adjust or replace drive belt	AC-15
	(b) Compressor faulty	Check compressor	AC-17
	Expansion valve faulty	Check expansion valve	AC-25
	Leak in system	Test system for leaks	
	Fusible plug on receiver blown or clogged screen	Check receiver	AC-23
Blower does not operate			
(a) HEATER fuse blown	Replace fuse and check for short	AC-6 AC-29	
(b) A/C switch faulty	Check switch	AC-37	
(c) Heater relay faulty	Check heater relay	AC-37	
(d) Blower motor faulty	Check blower motor	AC-6	
(e) Wiring or ground faulty	Repair as necessary		
Cool air comes out intermittently	Magnetic clutch slipping	Check magnetic clutch	AC-17
	Expansion valve faulty	Check expansion valve	AC-25
	Wiring connection faulty	Repair as necessary	AC-6
	Excessive moisture in system	Evacuate and charge system	
	A/C amplifier faulty	Check amplifier	AC-31

TROUBLESHOOTING (Cont'd)

Problem	Possible cause	Remedy	Page
Cool air comes out only at high speed	Condenser clogged Drive belt slipping Compressor faulty Insufficient or too much refrigerant Air in system	Check condenser Check or replace drive belt Check compressor Check refrigerant volume Evacuate and charge system	AC-24 AC-15 AC-17 AC-16
Insufficient cooling	Condenser clogged Drive belt slipping Magnetic clutch faulty Compressor faulty Expansion valve faulty Insufficient *or too much refrigerant Air or excessive compressor oil in system Receiver clogged Water valve cable faulty A/C amplifier faulty	Check condenser Check or replace drive belt Check magnetic clutch Check compressor Check expansion valve Check refrigerant volume Evacuate and charge system Check receiver Reset water valve cable Check amplifier	AC-24 AC-15 AC-17 AC-17 AC-25 AC-16 AC-23 AC-36 AC-31
Insufficient velocity of cool air	Evaporator clogged or frosted Air leakage from cooling unit or air duct Air inlet blocked Blower motor faulty A/C amplifier faulty	Clean evaporator fins or filters Repair as necessary Repair as necessary Check blower motor Check amplifier	AC-27 AC-37 AC-31