

Trouble shooting guide

No	Problem	Possible Cause	What To Do
1	Fan no work,Freezer room temperature no enough cold and refrigerator room temperature Ok and compressor running, but no air in freezer air outlet.	the the fan motor is failure and replace it with a new one	open the cover board of air duct in freezer room, check the fan if it no running, then measure the voltage between the red wire and black
		the failure of the inner wire to fan connector	measure the voltage between the CN2 red and black wire of PCB, if the voltage is 12V, then check from the inner wire to fan connector
		the PCB failure and change a new PCB	measure the voltage between the CN2 red and black wire of PCB,if the voltage is zero, then the PCB failure and change a new PCB.
2	No defrost.Freezer room temperature no enough cold and refrigerator room OK and open the cover board of are duct and find ice formation on evaporator	the drainpipe contain impurity	disconnect power, and let the ice defrost and inspect the water if it is flow through the drainpipe, if could not flow out, check if it contain
		the sensor failure or PCB failure	check the fuse if it is melt or not. If the fuse is melt, it mean that the sensor failure or PCB failure, need change the sensor or PCB.
		the defrost heater is break or PCB failure	inspecting the CN4 defrost heater two connector.If the heater is OK then it must be PCB failure and change the PCB.
3	the temperature of freezer and refrigerator are no enough cold and the temperature no change by adjusting the potentiometer (thermostat)	the potentiometer failure	inspect the potentiometer (thermostat), and measure the resistance value by adjusting the potentiometer (thermostat), if the resistance
		the sensor failure	when the sensor failure and the compressor will be running like this—if the potentiometer (thermostat) setting below 3 position, the compressor will be running 20 minutes and then stop 30 minutes, if the potentiometer (thermostat) setting more than 3 position, the
4	LED no light	the led failure	Open the refrigerator door and measure the voltage of CN3 in PCB, if the voltage is zero then it mean the connecting wire failure and if the voltage is 12V, it mean the led failure
		the switch circuit is failure	If the CN3 voltage no 12 V and then check the CN4 voltage, if the voltage CN4 no change by close and pen door, it mean the switch circuit is failure.
5	Compressor no starting	no problem	the time between two starting is shorter than 12min; or refrigerator room temperature is lower than the setting temperature, in this case, it is no problem. You need waiting more time.
		PCB failure	PCB had automatic self-examination. open the cover of PCB at the back of product, plug in power and push the SW101 switch 3 seconds and the PCB begin automatic self-examination program,
		ompressor wire not right or compressor damage	then the led and compressor and fan and defrost heater all work two measure the voltage of compressor input connector, if it is OK then check the starting and relay of compressor, also check the wire if it is OK
6	product no any work	the PCB failure	check the power by multimeter, if the input voltage is 220V-240, but the led, compressor, fan, defrost heater are all no work, it mean the PCB failure and need change a new PCB