

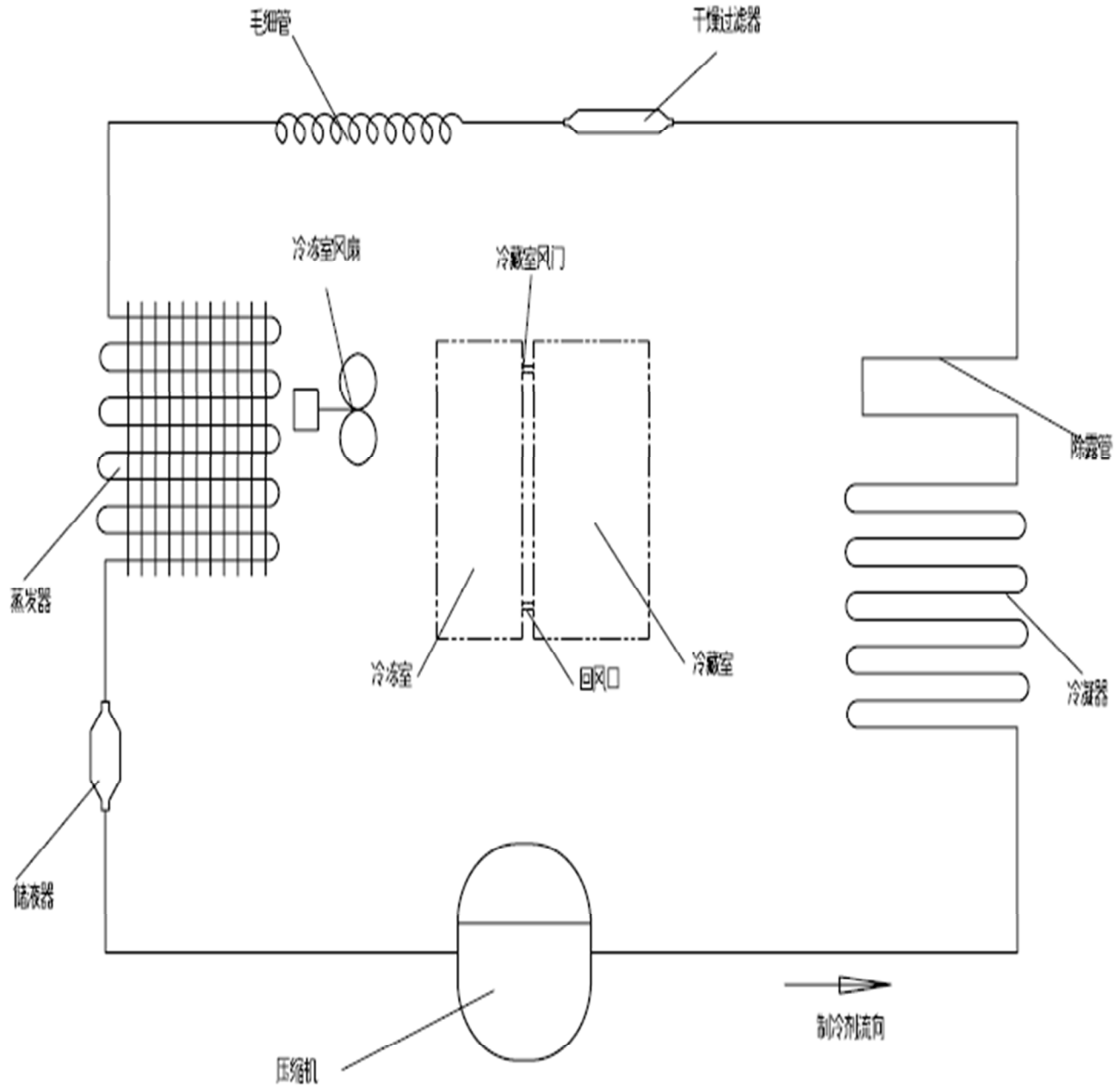
Service manual

Model: FRN-H550D2X

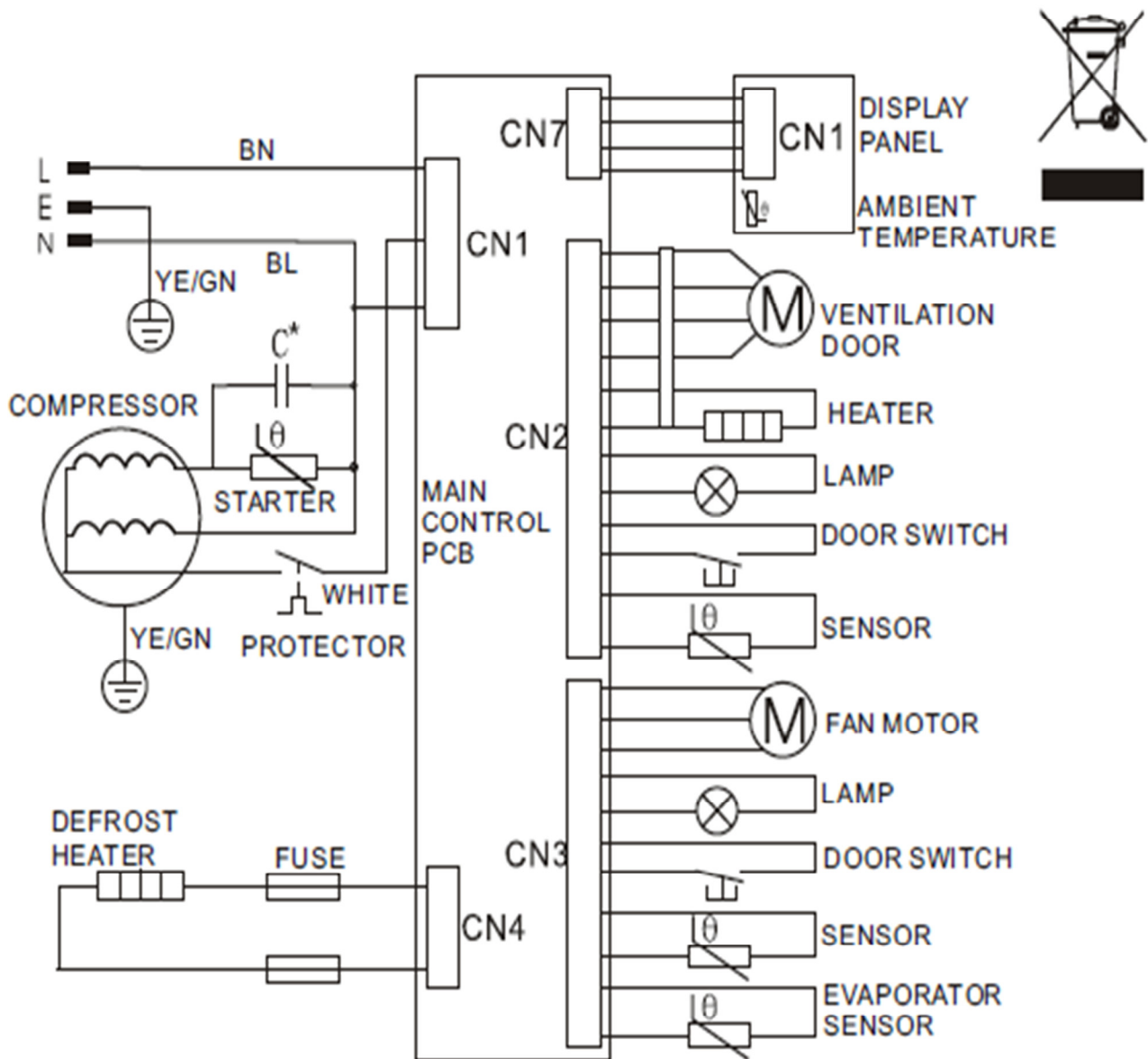
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Le circuit froid



Le schéma électrique



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Trouble shooting guide

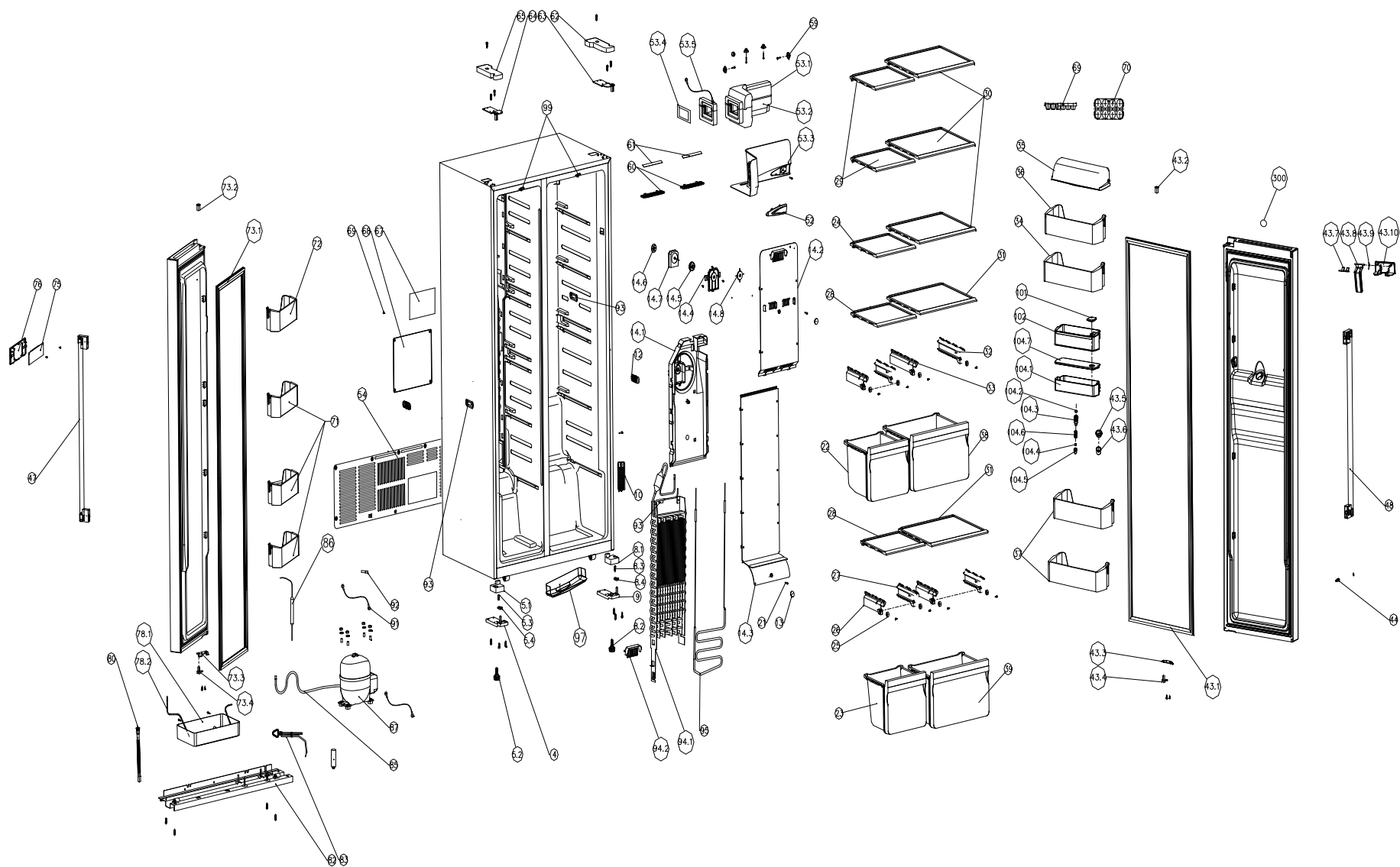
No	Problem	Possible Cause	What To Do
1	Fan no work, Freezer room temperature no enough cold and refrigerator room temperature Ok and compressor running, but no air in freezer air outlet.	The fan motor is failure and replace it with a new one	Open the cover board of air duct in freezer room, check the fan if it no running, then measure the voltage between the red wire and black wire of fan, if the voltage is 12V, the fan motor is failure and replace it with a new one
		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 impurity and clean the drainpipe
		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 value no change by adjusting the potentiometer (thermostat),

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		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 compressor will be running 30 minutes and then stop 20 minutes. If find the compressor work like above situation, it mean the sensor failure and need open the back of refrigerator and change sensor of refrigerator evaporator
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, then the led and compressor and fan and defrost heater all work two second and then stop, all wore one time and then quit automatic self-examination program, and the program will return the original setting. If the automatic self-examination program no work, it mean the PCB failure and need change it

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		Compressor wire not right or compressor damage	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



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FRN-H550D2X LISTE DES PIECES			
No.	Homa Code	Description of Spare Part	Quantity
4	3031400140	Lower door hinge assembly,left	1
5.1	2200450003	Cover of left hinge,lower	1
5.2	20122990593	Adjustable foot assembly	1
5.3	3060100074	Screw of M6X16	1
5.4	2208510016	Block of aid-closer,lower	1
8.1	2200450002	Cover of right hinge,lower	1
8.2	20122990593	Adjustable foot assembly	1
8.3	3060100074	Screw of M6X16	1
8.4	2208510016	Block of aid-closer,lower	1
9	3031400138	Lower door hinge assembly,right	1
10	20122990488	Cover of return air inlet	1
12	20122990629	Cover of temperature head	2
13	20122990493	Screw cap	2
14.1	20122990491	Fan motor bracket	1
14.2	20122990492	Front cover of freezer wind tunnel parts,upper	1
14.3	20122990494	Front cover of freezer wind tunnel parts,lower	1
14.4	20122990495	Electrical installation cover	1
14.5	3029900265	Front rubber gaske of motor	1
14.6	3080100059	Back rubber gaske of motor	1
14.7	3059900028	Fan motor assembly	1
14.8	3029900272	Motor fan	1
22	2106160230	Upper drawer	1
23	2106160231	Lower drawer	1
24	20120020238	Shelf of freezer chamber,middle	1
25	20122990484	Guide roller	4
26	20122990483	Left guide I	2
27	20122990485	Right guide I	2
28	3020500150	Shelf of freezer chamber,lower	2
29	20120020236	Shelf of freezer chamber,upper	2
30	20120020237	Shelf of refrigerator chamber,upper	3
31	3020500152	Shelf of refrigerator chamber,lower	2
32	20122990487	Right guide II	1
33	20122990486	Left guide II	1
34	2207500573	Middle rack of refrigerator	1
35	20122050392	Upper rack cover of refrigerator	1
36	2207500574	Upper rack of refrigerator	1
37	20122050497	Lower rack of refrigerator	2
38	2106140305	Crisper drawer assembly,upper	1
39	2106140306	Crisper drawer assembly,lower	1
43	2100250284	Door,right	1
43.1	3020400232	Door gasket,right	1
43.2	2208100018	Collar,upper	1
43.3	3039900184	Limit line iron	1

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43.4	2208510015	Block of aid-closer,upper	1
43.5	2208500003	Decorative cover of water box	1
43.6	2209100019	Seal plug	1
43.7	2208510014	Small wrapped pole	1
43,8	2208100223	Dial slice	1
43.9	2305300003	Dial slice Spring	1
43.10	2208100540	Decorative board	1
44	3060100076	Fitting screw of door handle	4
47	2106808300	Handle handle,Left	1
48	2106808300	Handle handle,Right	1
52	20122990607	Deodorizer cover	1
53.1	3071000187	Refrigerator wind foam parts,upper	1
53.2	3071000188	Refrigerator wind foam parts,lower	1
53.3	20122990489	Front cover of refrigerator wind tunnel parts	1
53.4	3080100068	Sponge of air outlet	1
53.5	3059900027	Damper motor of refrigerator wind	1
54	3039900190	Compressor cover assembly	1
59	20122990482	Cover plate of fixed seat	4
60	20122010104	Cover of ceiling light	2
61	3050400018	LED light board	2
62	2208200006	Cover of right hinge,upper	1
63	3031400215	Upper door hinge assembly,right	1
64	3031400214	Upper door hinge assembly,left	1
65	2208200005	Cover of left hinge,upper	1
67	3050300027	Control board	1
68	3039900180	Cover of control board	1
69	20122990103	Ice cube tray	1
70	20122990140	Egg tray	2
71	20122050493	Door rack,left	4
73	2100250247	Door,left	1
73.1	3020400231	Door gasket,left	1
73.2	2208100018	Collar,upper	1
73.3	3039900184	Limit line iron	1
73.4	2208510015	Block of aid-closer,upper	1
75	3050300039	Display electric board	1
76	2209100247	Display panel	1
78.1	20122990481	Drain pan	1
78.2	20114010065	Evaporative condenser	1
80	3020600065	Drain pipe	1
82	20120080097	Compressor base support	1
83	3050100083	Power supply cord plug	1
85	20114070026	Connecting tube	1
86	3040500022	Drier filter	1
87	3040100342	Compressor	1
91	3050200094	Earthing wire of compressor	1
92	3040600005	Process tube	1
93	3050200155	Temperature sensor	1
94.1	3040300056	Fin evaperator	1

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94.2	3071000186	Foam of fin evaperator	2
95	3050700013	Frost heater & fuse	1
97	3039900181	Fixed slot of heater	1
99	2501100002	Door switch	2
101	2208520002	Small cover of water box	1
102	2207500108	Water door rack	1
104.1	2208100415	Water box	1
104.2	2209100016	Seal ring	2
104.3	2208100054	Water receiving tank	1
104.4	2209100017	Valve plug	1
104.5	2208100055	Spool	1
104.6	2305300002	Spring	1
104.7	2208530002	Big cover of water box	1
300	2700500391	Trademark	1
301	2700104302	Carton	1