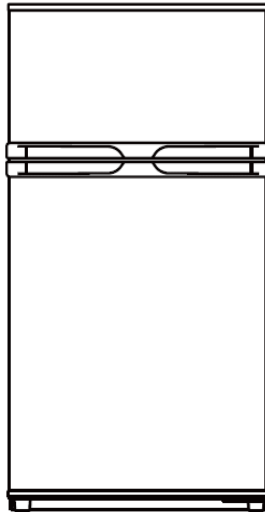


## **Service manual**

Model: PRF315300HW

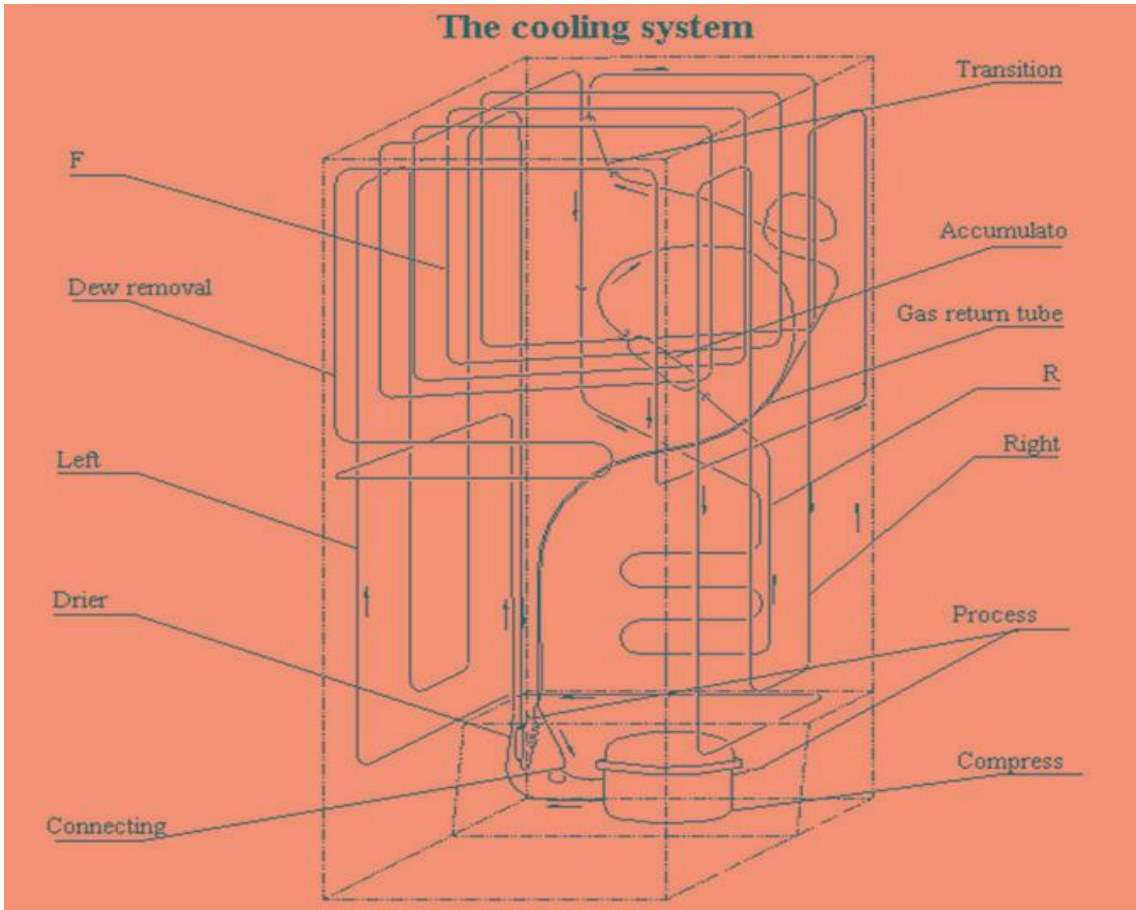


### **Contents**

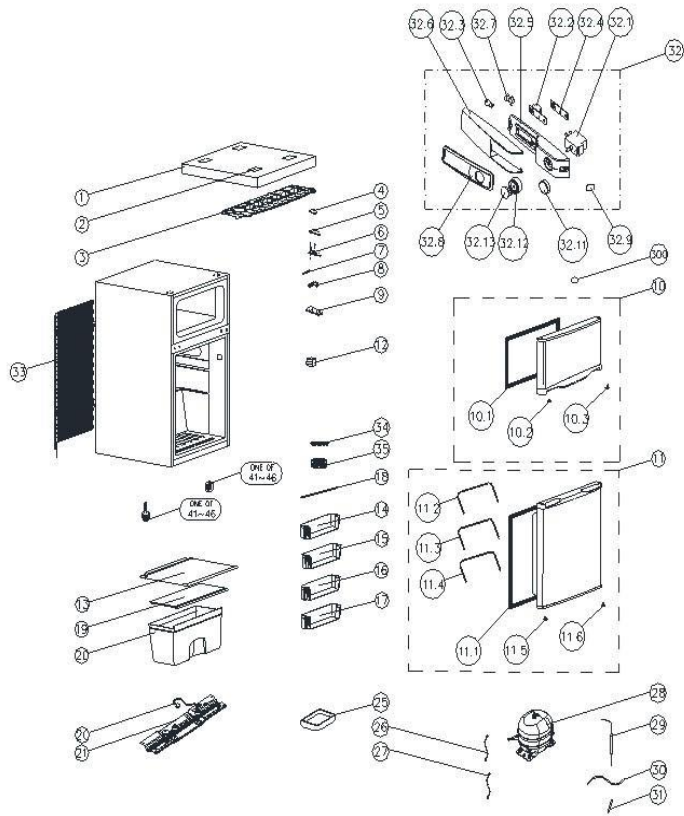
- 1 Cover
- 2 Product description
- 3 The cooling system
- 4 Exploded view
- 5 Spare Parts list
- 6 Trouble shooting guide

BRAND:	Premium Levella	
MODEL:	PRF315300HW	
PRODUCT DESCRIPTION:	Mini Bar, glass shelves, crystal crisper, recessed handle	
Color	White	
LOADING QTY/40HQ	274	
PRODUCT DIMENSION (W*D*H mm)	480*500*850	
PACKING DIMENSION (W*D*H mm)	500*540*885	
PRODUCT WEIGHT (Kg):	Gross Weight (G.W)	Net Weight (N.W)
	26	24
Total Gross Capacity (Cu.Ft)	87	
Total Net Capacity (Cu.Ft)	85	

# The cooling system



# General exploded view



No.	Homa Code	Description of Spare Part	Quantity
4	20122080036	Door hinge screw cover	1
5	20122080091	Door hinge cover	1
6	3031400148	Upper door hinge	1
7	2208101188	Middle hinge washer	1
8	3031400116	Middle door hinge	1
9	3031400067	Lower door hinge	1
10	2100152587	Upper door	1
10.1	3020400145	Upper door gasket	1
10.2	20122090005	Right Aid Closer Of Upper Door	1
10.3	20122090011	Left Aid Closer Of Upper Door	1
11	2100152588	Lower door	1
11.1	3020400146	Lower door gasket	1
11.2	3031500031	Door joist, straight	1
11.3	3031500044	Door joist, curved	1
11.4	3031500011	Lower door joist	1
11.5	20122090162	Right Aid Closer Of Lower Door	1
11.6	20122090179	Left Aid Closer Of Lower Door	1
12	2501100002	Door switch	1
13	20120020226	Fridge shelf assembly	1
17	3031500055	Bottle rack for drinks	1
18	3020500092	Upper door joist	1
19	2207400523	Crisper drawer assembly	1
20	20120030010	Cover of crisper drawer	1
21	3050100117	Power supply cord	1
22	3039900264	Compressor bracket	1
25	20122990039	Drain pan	1
26	3050200095	Earthing wire of compressor	1
28	2400100282	Compressor	1
29	3040500011	Drier filter	1
30	20114070006	Connecting tube	1
31	3040600005	Process tube	1
32	20120010085	Thermostat controller	1
32.1	2400200005	Thermostat	1
32.11	20122010037	Thermostat Knob	1
32.3	2500500002	Light Bulb	1
32.5	20122010002	Controller Shell	1
32.6	20122010048	Lamp Cover	1
32.7	2500600001	Light Holder	1

42	20122990019	Higher Leveling Foot	1
44	20122990006	Shorter Leveling Foot	1
300	2700501337	Trademark	1
301	2700117929	Carton	1

## Trouble shooting guide

No	Problem	Possible Cause	What To Do
1	Refrigerator room temperature Ok and compressor running Fan not working Freezer room temperature not enough cold No air in the freezer air outlets	the fan motor failure	1- Open the cover board of the air duct in the freezer room and check the fan 2- If not running, measure the voltage between the red wire and black wire of fan 3- 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	1- Measure the voltage between the CN2 red and black wire of PCB 2- If the voltage is 12V, check from the inner wire to fan connector
		the PCB failure	1- Measure the voltage between the CN2 red and black wire of PCB 2- If the voltage is zero, then the PCB failure and change a new PCB
2	No defrost Freezer room temperature is not cold enough Refrigerator room: duct and ice formation on the evaporator	the drainpipe contains impurity	1- Disconnect power, and let the ice melt and inspect the water if it is flowing through the drain pipe 2- If not, check if there is impurity and clean the drain pipe
		the sensor failure or PCB failure	1- Check the fuse 2- If the fuse is melted, it means that the sensor failure or PCB failure 3- Change the sensor or PC
		the defrost heater is broken or PCB failure	1- Check the CN4 defrost heater two connector 2- If the heater is OK then is the PCB failure and change the PCB
3	The temperature of the freezer and refrigerator is not cold enough The temperature can not be adjusted by the potentiometer (thermostat)	the potentiometer failure	1- Inspect the potentiometer (thermostat) 2- Measure the resistance value by adjusting the potentiometer (thermostat) 3- The resistance value is not changed by adjusting the potentiometer (thermostat)
		the sensor failure	1- If the potentiometer (thermostat) setting is below 3 degrees, the compressor will be running 20 minutes and then stop 30 minutes 2- If the potentiometer (thermostat) setting is more than 3 degrees, the compressor will be running 30 minutes and then stop 20 minutes 3- If the compressor works like the above situation, it means the sensor failure 4-Open the back of the refrigerator and change the sensor of the refrigerator evaporator

4	LED light is not working	the led failure	<p>1- Open the refrigerator door and measure the voltage of CN3 in the PCB</p> <p>2- If the voltage is zero then it means the connecting wire failure</p> <p>3- If the voltage is 12V, it means the led failure</p>
		the switch circuit failure	<p>1- If the CN3 voltage is not 12V, then check the CN4 voltage</p> <p>2- If the CN4 voltage is not changed by closing and opening the door, it means the switch circuit failure</p>
5	Compressor not start running	no problem	<p>1- The time between two starting is shorter than 12min</p> <p>2- The refrigerator room temperature is lower than the set temperature</p> <p>3- In this case, it is no problem. Please wait for longer</p>
		PCB failure	<p>PCB has automatic self-examination:</p> <p>1- Open the cover of PCB at the back of the product, plug-in power and push the SW101, switch 3 seconds and the PCB begin automatic self-examination program</p> <p>2- Then the led, compressor, fan and defrost heater will work for two seconds and then stop and quit the automatic self-examination program. After that, the program will reset to the original setting.</p> <p>3- If the automatic self-examination program is not working, it means the PCB failure and needed to be changed</p>
		compressor wire failure or compressor damage	<p>1- Measure the voltage of compressor input connector</p> <p>2- If it is OK then check the starting and relay of the compressor</p> <p>3- Also check the wire if it is OK</p>
6	Not woeking at all	the PCB failure	<p>1- Check the power by multimeter</p> <p>2- If the input voltage is 220V-240V, but the led, compressor, fan, and defrost heater are all not working, it means the PCB failure and needed to be changed</p>