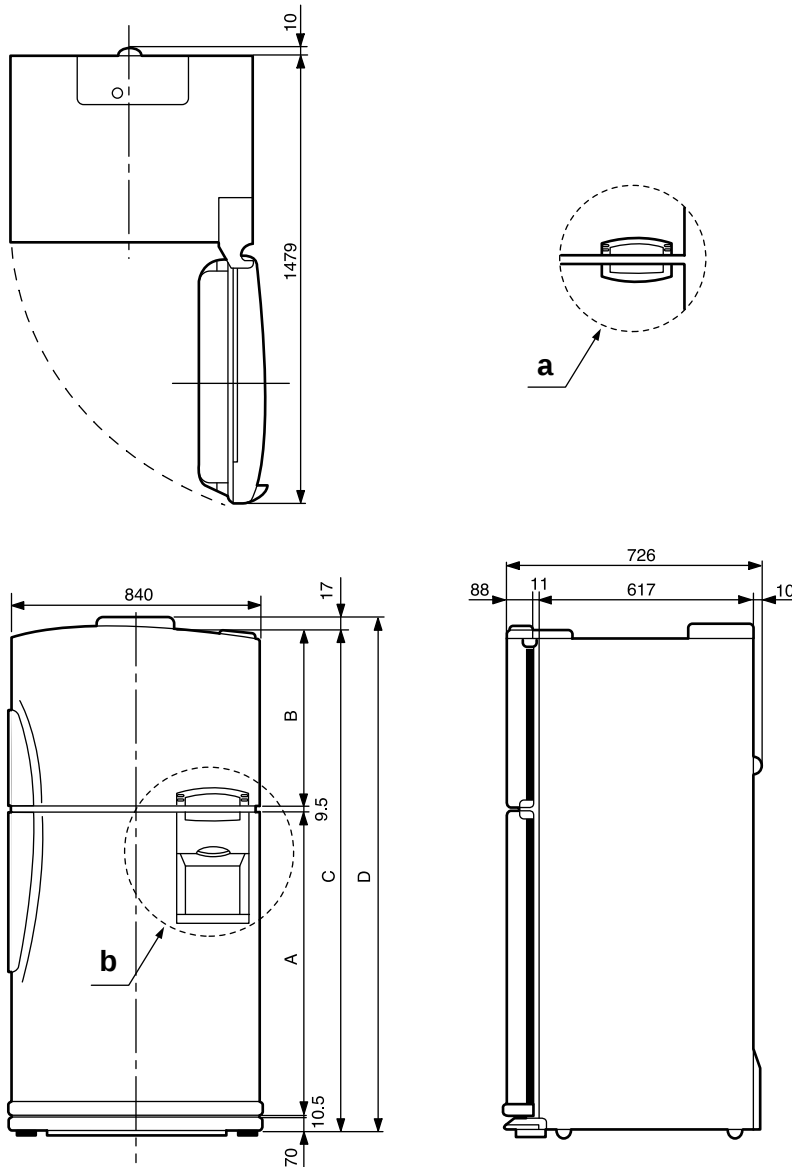


7. Function and Directions

7-1 The outer size

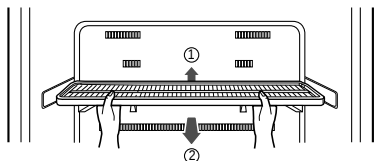


Model	A	B	C	D	Remark
SR-606EA	1066.5	580	1736.5	1753.5	'a' applied
SR-608EA	1066.5	580	1736.5	1753.5	'b' applied
SR-646EA	1096.5	600	1766.5	1803.5	'a' applied
SR-648EA	1096.5	600	1766.5	1803.5	'b' applied
SR-686EA	1140.5	600	1810.5	1847.5	'a' applied
SR-688EA	1140.5	600	1810.5	1847.5	'b' applied

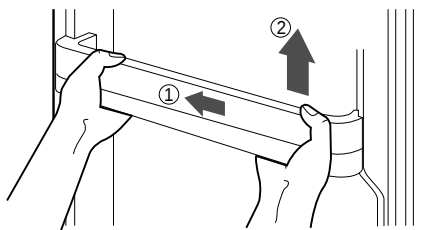
7-2 The name of each parts and disassemble method

Freezer shelf

Σ Up the front of shelf to direction ① then pull and apart to direction ②.

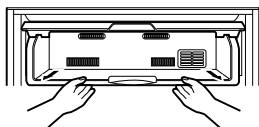


Σ Push to direction ① and apart to direction ②.

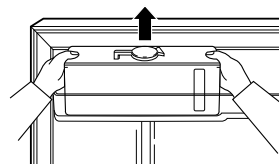


Chilled room shelf

Σ Pull to the arrow direction then up and apart at the locking point.

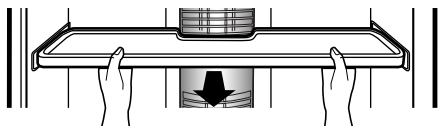


Σ Up and apart as showed.
(concerned model : SR-5066/5466/5866)



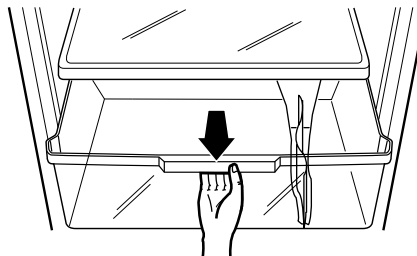
Shelf REF.

Σ Pull with both hands as showed.
Σ The height can be adjusted according to the stored bowls.



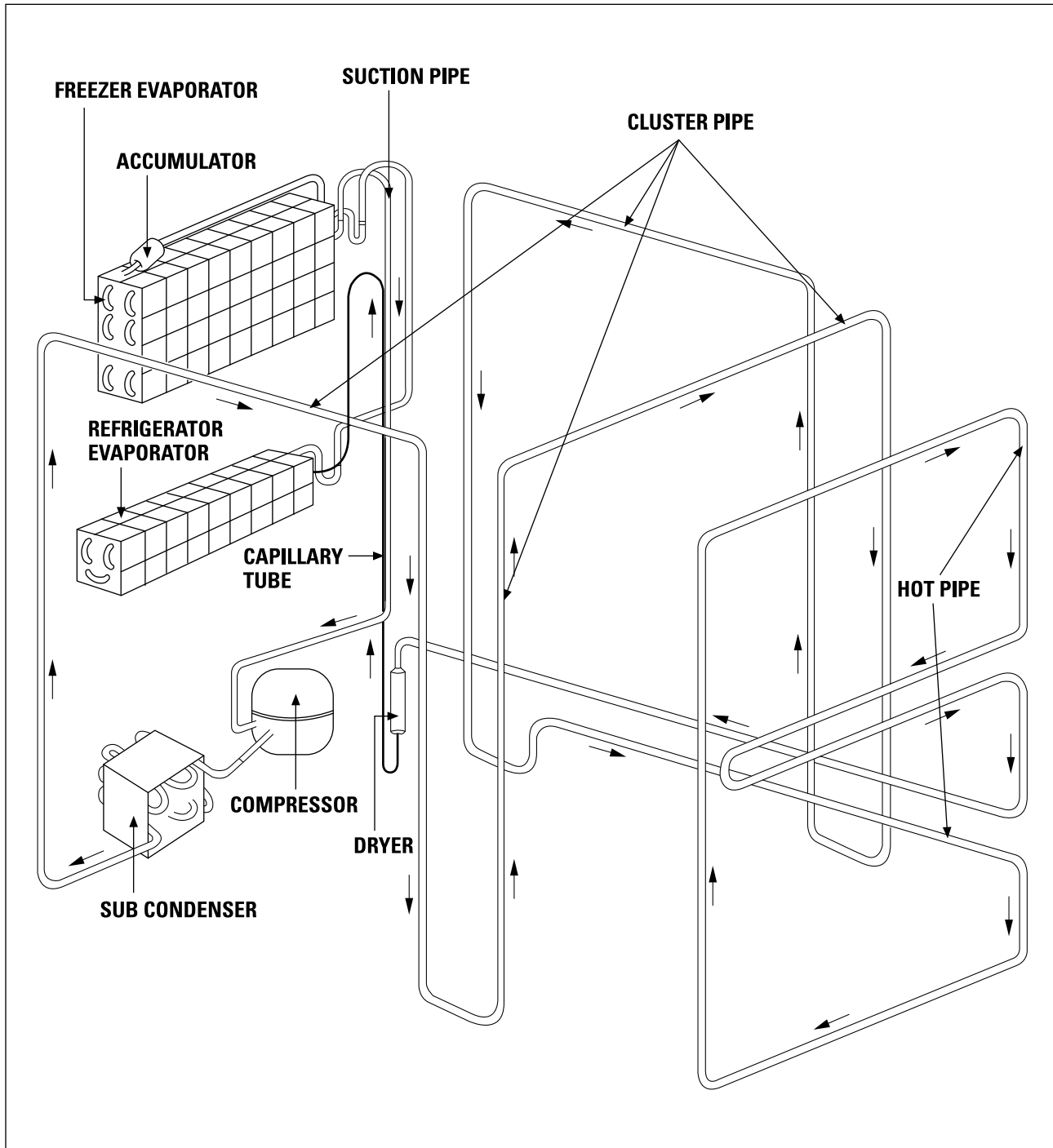
Vegetable box and cover

Σ Up the cover and apart then pull out the vegetable box at the mid-point and up and and pull to apart.

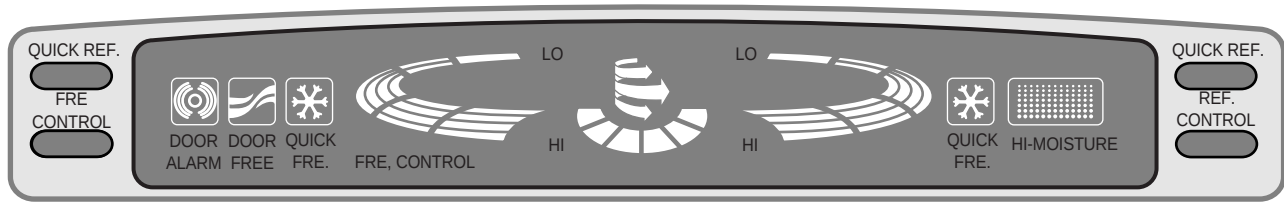


7-3 Freezing cycle

COMPRESSOR Æ SUB CONDENSER Æ CLUSTER PIPE Æ HOT PIPE Æ DRYER Æ CAPILLARY TUBE Æ REFRIGERATOR EVAPORATOR Æ FREEZER EVAPORATOR Æ ACCUMULATOR Æ SUCTION PIPE Æ COMPRESSOR



7-4 PANEL display



7-5 Temperature control

1) Freezer temperature control

1. It consists of five steps as follows and selected by one button.
Mid → Mid.High → High → Low → Low.Mid
2. It is circulated and displayed one by one by pressing the button.
3. At first power on it is selected "Mid"

Category	Initial power on	Pressed once	Pressed twice	Pressed 3 times	Pressed 4 times	Remark
Indicator Lamp	▶ Mid	▶ Mid·High	▶ High	▶ Low	▶ Low·Mid	
Reference Temp.	-18°C	-19.5°C	-21°C	-15°C	-16.5°C	

2) Temperature control in the refrigerating compartment

- 1) Select the 5 stages of 'Mid'-'Mid · High'-'High'-'Low'-'Low · Mid' with a button.
- 2) Whenever the temperature control button of refrigerator is pressed, it continues of light from 'Mid'-'Mid · High'-'High'-'Low'-'Low · Mid'.
- 3) When power turns on "Mid" is automatically selected.

Category	Initial power on	Pressed once	Pressed twice	Pressed 3 times	Pressed 4 times	Remark
Indicator Lamp	▶ Mid	▶ Mid·High	▶ High	▶ Low	▶ Low·Mid	
Reference Temp.	3°C	1°C	-1°C	6°C	4.5°C	

7-6. Power freeze and Power

- Selected by additional quick freeze & refrigeration button.
- The lamp of quick freeze and refrigeration circulated everytime it pushed.
- No change of setting temperature occurred during quick freeze and refrigeration selected.
- Temperature of freezer and refrigerator can be re-setted while quick freeze and refrigeration operates.

1) Quick freeze

- (1) Comp. and F-fan runs continuously for two and a half hours when quick freeze selected. (one minute after selection)
- (2) During quick freezing the refrigerator controlled by setted notch.

2) Quick refrigeration

- (1) Comp. and R-fan runs until the temperature of refrigerator reaches -4°C when quick refrigeration selected.
- (2) After the temperature reaches -4°C the 'HIGH' notch runs for an hour and finish quick refrigeration.
- (3) Unless the temperature of refrigerator reaches -4°C within two and a half hours quick refrigeration stopped.

3) When quick freeze and refrigeration selected at the same time

- (1) Each function applied at the same time. Quick freeze runs Comp. and F-fan for two and a half hours and quick refrigeration runs Comp. and R-fan for two and a half hours with no relation of each other.

7-7 Alarming

1) Button touch ("Ding-Dong" sound)

- (1) Everytime the button pushed, the input confirmation, "Ding-Dong", sounds.
- (2) Not sounds, if two keys are pushed at the same time or wrongly handled.

2) Door-Open warning ("Ding-Dong" sound)

- (1) Two minutes after door opened, ten times of alarming sounds.
- (2) If door opened continuously, ten times of alarming sounds with one minute cycle.
- (3) Alarming stopped just after door closed.

3) Forced operating and defrosting ("Beep" sound)

- (1) If forced function selected the "beep" sounds.
- (2) Alarming sounds until the forced operating canceled by automatically (24Hr) or manually.
- (3) Alarming sounds until the forced defrosting canceled by automatically (24Hr) or manually.

7-8 Defrosting

- 1) From the first power on, defrosting started after 4 hours of total Comp on time.
- 2) After that defrosting cycle can be varied from 6 hours to 32hours. (Comp on time)

7-9 Testing

- Testing is for PCB, product, function and service.
- After testing, turn the power on to start self diagnosis.

1) Forced operating

- (1) As the button on PCB pushed once, Comp starts immediately without 5 minutes delay.
- (2) If forced operating selected the notch of freezer and refrigerator fixed to "HIGH" and "MID-HIGH". Then Comp and F-fan is controlled to pull-down and R-fan is controlled to "MID-HIGH" notch.
- (3) Pull-down maintained just for 24 hours during forced operating, after that automatically defrost freezer and refrigerator and then starts normal operating.
- (4) Turn the power off or select test cancel mode to cancel the forced operating.
- (5) Alarming (0.25 sec on / 0.75 sec off) continues until the forced operating finished. It continues without any relations to alarming key selection or cancel.

2) Forced defrosting

- (1) Push the test button one more time to run the forced defrosting of refrigerator.
- (2) One more push in the above status will run defrosting of freezer and refrigerator simultaneously.
- (3) Forced operating cancelled automatically by starting forced defrosting and return to normal operating after completion of defrosting.

3) Test cancel mode

- (1) One more push in the status of forced defrosting of F/R will run normal operating.
- (2) Alarming stopped in the test cancel mode.

7-10 Self diagnosis

1) Self diagnosis at first power on

- (1) As the power applied to the refrigerator first time, all displays show and run the self diagnosis.
- (2) If no problems founded display returns to normal model.
- (3) If problem is founded, on and off the related display lamp and start alarming.
- (4) Lamp displayed until the problem solved or self diagnosis cancelled.
- (5) After problem solved the display mode return to normal.

(6) When refrigerator repaired, sure to power off and on to run self diagnosis.

(7) Refer to belows for problems and related displays.

No	Item	Display LED	Symptom	Remark
1	R1-Sensor	Refrigerator “Low”	• R-room left sensor housing disconnection. • Faulty connection. • Wire open or short. • Faulty sensor.	R1-Sensor temperature is over +50°C or below –50°C.
2	R2-Sensor	Refrigerator “Low · Mid”	• R-room left right sensor housing disconnection. • Faulty connection. • Wire open or short. • Faulty sensor.	R2-Sensor temperature is over +50°C or below –50°C.
3	RD-Sensor	Refrigerator “Mid”	• R-room defrost sensor housing disconnection. • Faulty connection. • Wire open or short. • Faulty sensor.	RD-Sensor temperature is over +50°C or below –50°C.
4	Room-Temp. Sensor	Freezer “Low”	• Room-Temp sensor housing disconnection. • Faulty connection. • Wire open or short. • Faulty sensor.	Room-Temp Sensor temperature is over +50°C or below –50°C.
5	F-Sensor	Freezer “Low”	• F-room sensor housing disconnection. • Faulty connection • Wire open or short. • Faulty sensor.	F-Sensor temperature is over +50°C or below –50°C.
6	FD-Sensor	Freezer “Mid”	• R-room defrost sensor housing disconnection. • Faulty connection. • Wire open or short. • Faulty sensor.	F-Sensor temperature is over +50°C or below –50°C.
7	Geared-Motor	Refrigerator “High”	• Faulty geared-motor • Faulty reed-switch housing disconnection. • Faulty connection.	Square wave not detected by reed-S/W.

(Self-diagnosis Display Table)

7-11 Load status display

- 1) Press power F/R key for five seconds then press temperature control key in the refrigerator after temperature display lamps on and off three times.
- 2) This mode shows which load is being sourced signal from MICOM currently. This doesn't mean the load is operating but just show MICOM signal output. The Compressor may not operate due to the open wire or relay missing though the display shows the Compressor operating.
- 3) Load status display return to normal mode after sixty seconds.
- 4) Follows are load status and related display.

No	Item	Display LED	Display	Remark
Freezer Subordinate				
1	COMP	Freezer "Low"	Relevant LED ON during Compressor operation	
2	F-FAN	Freezer "Low · Mid"	Relevant LED ON during F-FAN operation	
3	Freezer defrost Heater	Freezer "Mid"	Relevant LED ON during freezer defrost heater on	
4	Freezer bulb	Freezer "Mid · High"	Relevant LED ON during freezer bulb ON	
5	COMP. Cooling Fan	Freezer "High"	Relevant LED ON during Compressor Cooling Fan operation	
Refrigerator Subordinate				
6	R-FAN	Refrigerator "Low · Mid"	Relevant LED ON during F-FAN operation	
7	Refrigerator defrost Heater	Refrigerator "Mid"	Relevant LED ON during refrigerator defrost	
8	Refrigerator bulb	Refrigerator "Mid · High"	Relevant LED ON during refrigerator bulb ON	
9	GEARED-Motor	Refrigerator "High"	Relevant LED ON during refrigerator brake rotation	
Mode Display				
10	Initial Mode	Quick Freezing	Relevant LED ON with initial power input	
11	Overload	Quick Refrigeration	Relevant LED ON when ROOM temperature is over 35°C	
12	Low temp.	High humidity refrigeration	Relevant LED On when ROOM temperature is below 20°C	

(Load Status Display Table)