



1. Enables the setting of the freezer.
2. Enables the setting of the cooler.
3. Freezer set value screen.
4. Cooler set value screen.
5. Economy mode symbol.
6. Super freeze symbol.
7. Alarm symbol.

	620 – INNER DISPLAY	
	Display and control panel	

Freezer Temperature Settings

The initial temperature value for the freezer setting indicator is -18C
 Press the freezer set button once. When you first press the button, the previous value will blink on the screen.
 Whenever you press the same button, a lower temperature will be set (-16C,-17C,-18C,-19C,-20C,-21C,-22C,-23C or -24C)
 If you continue to press the button, it will restart from -16C
NOTE: Eco mode gets activated automatically when the temperature of the freezer compartment is set to -18C.



Super Freeze Mode

Purpose

To freeze a large quantity of food that cannot fit on the fast freeze shelf.
 To freeze prepared foods.
 To freeze fresh food quickly to retain freshness.

How to use

To enable the super freeze mode, press and hold the freezer temperature setting button for 3 seconds. Once the super freeze mode has been set, the super freeze symbol on the indicator will be lit and the machine will beep to confirm the mode has been switched on.



During Super Freeze Mode:

The temperature of the Cooler may be adjusted. In this case, Super Freeze mode will continue.
 Economy mode cannot be selected.
 Super Freeze mode can be cancelled in the same way it is selected.

Notes:

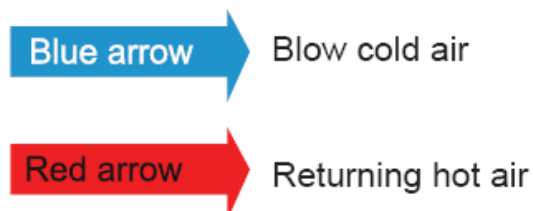
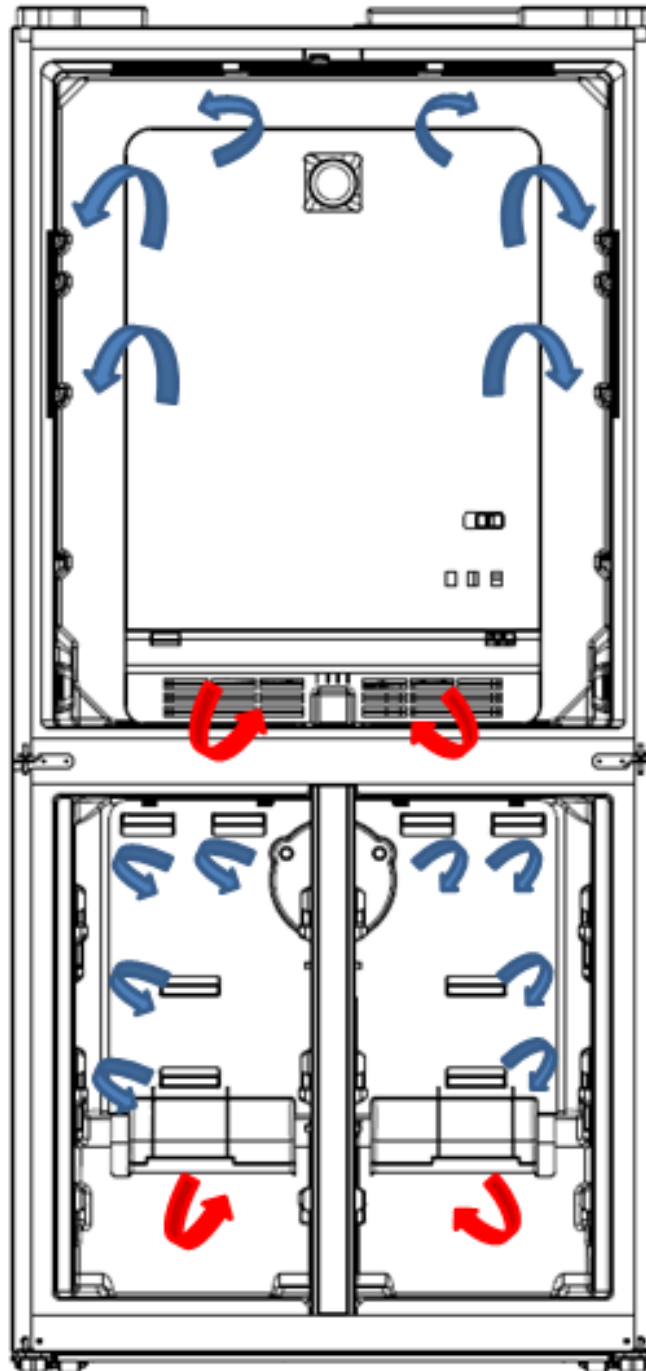
The maximum amount of fresh food (in kilograms) that can be frozen within 24 hours is show on the appliance label.
 For optimal appliance performance in maximum freezer capacity, activate süper freeze mode 3 hours before you put fresh food into the freezer.
 Super freeze mode will automatically cancel after 24 hours, depending on the environmental temperature or when the freezer sensor reaches a sufficiently low temperature.

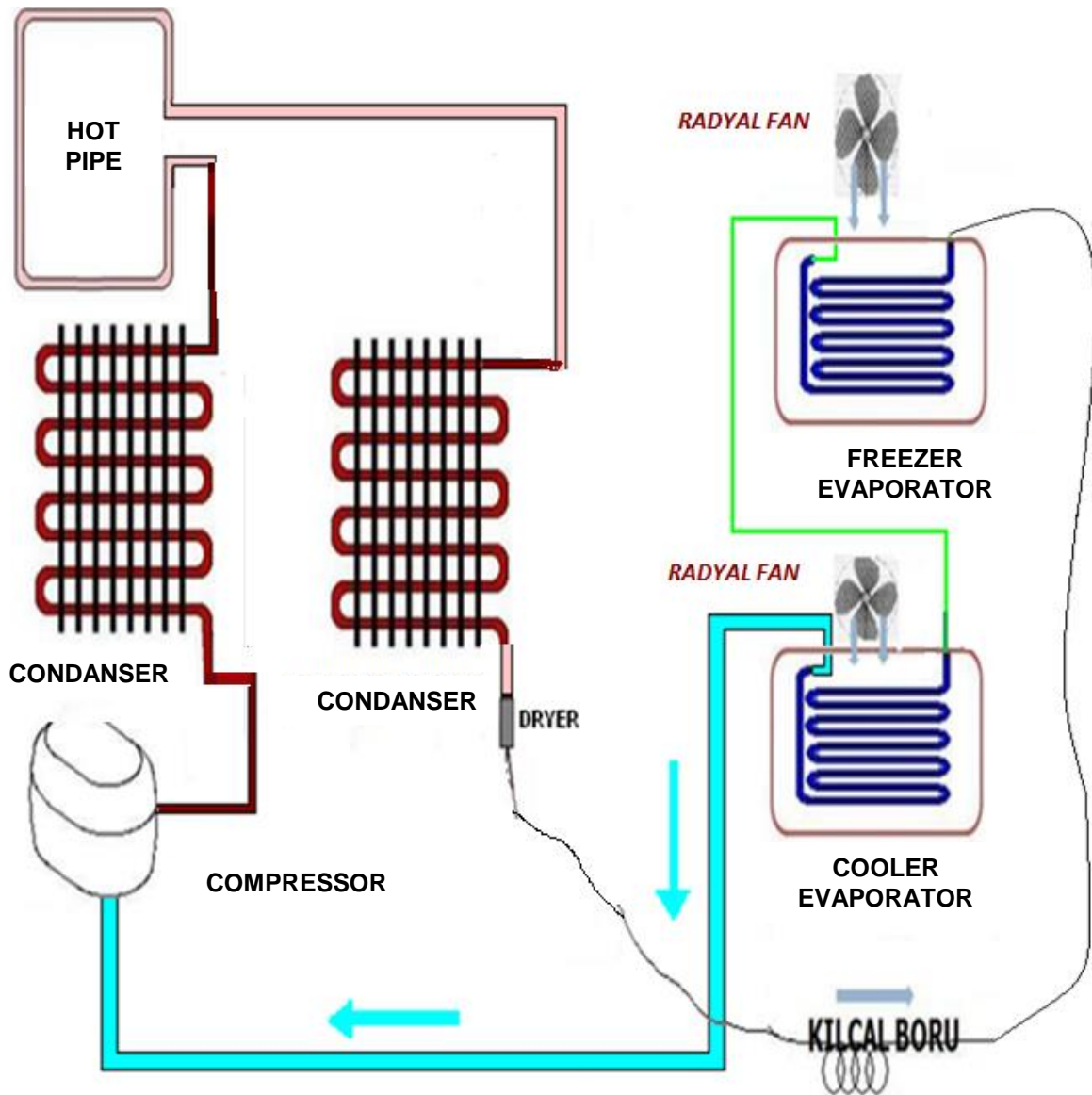
Door Open Alarm Function

If fridge door is opened more than 2 minutes, appliance sounds ‘beep beep’.

Demo mode:

Firstly the power is on, secondly within 1 minute user have to set the cooler 2 and push cooler temperature button for 10 seconds. Then economy, super and economy semböl will blink during the service mode. All functions can be adjusted to show how they are adjusted to the customer.





	620 – INNER DISPLAY	
	Used Component	

Resistance Values According To The Temperature Sensor (°C/Ohm Rates)


(For The Freezer Defrost and The Cooler Ambient Sensor)

45 °C/1kΩ	-1 °C/6.2kΩ
35 °C/1.5kΩ	-3 °C/6.8kΩ
30 °C/1.8kΩ	-5 °C/7.5kΩ
25 °C/2.2kΩ	-7 °C/8.2kΩ
19 °C/2.7kΩ	-12 °C/10kΩ
14 °C/3.3kΩ	-15 °C/12kΩ
10 °C/3.9kΩ	-20 °C/15kΩ
5.5 °C/4.7kΩ	-24 °C/18kΩ
1.5 °C/5.6kΩ	-31.5 °C/27kΩ
0 °C/6kΩ	-35.5 °C/33kΩ

Sensor Resistance Values According To The Temperature (°C/Ohm Rates)

(For The Cooler Defrost Sensor)

45 °C/2.15kΩ	-1 °C/17.1kΩ
35 °C/3.26kΩ	-3 °C/19kΩ
30 °C/4.02kΩ	-5 °C/21.1kΩ
25 °C/5kΩ	-7 °C/23.5kΩ
19 °C/6.53kΩ	-12 °C/30.8kΩ
14 °C/8.23kΩ	-15 °C/36.5kΩ
10 °C/9.95kΩ	-20 °C/48.6kΩ
5.5 °C/12.3kΩ	-24 °C/61.5kΩ
1.5 °C/15kΩ	-31.5 °C/98kΩ
0 °C/16.3kΩ	-35.5 °C/12.6kΩ

	620 – INNER DISPLAY	
	Special Programs	

When the refrigerator works on first time;

If the cooler compartment defrost sensor and the freezer compartment defrost sensor are hotter than -5°C, the test system works automatically. These below components are tested automatically every 5 seconds.

- ❖ The defrost resistance starts and stops after 10 seconds.
- ❖ The balance resistance starts and stops after 10 seconds.
- ❖ The cooler fan starts and stops after 10 seconds.
- ❖ The freezer fan starts and stops after 5 seconds.
- ❖ The back fan starts and stops after 10 seconds.
- ❖ The ionizer starts and stops after 10 seconds.
- ❖ The trizbar resistance starts and stops after 10 seconds.
- ❖ The compressor starts and stops after 10 seconds.

After these steps, the system waits 5 minutes and then it will switch normal mod.

Freezer Defrost Program

- According to the conditions of usage, the defrost might be activated after the min compressor running time; 16 hours or max total time; 48 hours. Below matters are also effected;
- Consisted ice amount,
- Door open-close,
- Sudden usage variance,
- Cooler sudden temperature rise,

Cooler Defrost Program

The cooler defrost and the freezer defrost are operated parallel except those below. If the cooler defrost sensor does not feel 5°C three times during a particular period of time.

- Defrost will be activated after the refrigerator works max 9 hours. According to the conditions of usage, the defrost might be activated (due to mentioned those below) after the compressor works min 5 hours.
- Consisted ice amount,
- Door open-close,
- Sudden usage variance,
- Cooler sudden temperature rise,

Freezer Defrosting Time

The Defrost is disabled when the defrost sensor temperature feels 8°C. If defrost time passes 37 minutes, defrost completing temperature will be rise to 15°C.

	620 – INNER DISPLAY	
	Special Programs	

Cooler Defrosting Time

The cooler defrost and the freezer defrost are operated parallel except those below. The cooler defrost will not work if the freezer defrost stops.

The defrost process stops when the defrost sensor temperature feels 7°C. At the low ambient temperature or when the compressor stops; to balance, defrost stops when the defrost sensor temperature feels 15°C. But if the defrost time or the compressor stopping time goes over 6 hours, the resistance will be stopped.

Compressor delay: First, the defrost process ends, the system waits 5 minutes, just after that the compressor is active.

In Case of Power Cut



- All regulated parameters and functions are kept in memory when the power cut.
- When the electricity comes, if the defrost sensor temperature is lower than -5 °C the compressor works 5 minutes later. If it is higher than -5 °C.

Other Features

- Warnings : The door open warning is active 2 minutes later and it alarms.
- Gasket : It is possible to change the gasket.

Probable Faults

Unsufficient cooling	Is the appliance too close to wall or heat sources (stove, central heating, oven, cooker etc.)?	It should be placed min 50cm distance from heat sources and min 5 cm from electrical ovens.
	Is the ambient temperature high?	Raise the thermostat value.
	Check whether putting the hot foods in the refrigerator?	Put the foods after get cold.
	Is there any gas leakage in refrigerant system?	Check all welding points in the system.
The foods in the cooler compartment are freezing.	Were the foods placed close to cooling air outlet?	Please do not block air outlets
	Is the cooler thermostat value high ? Is there any hot foods close to the cooler sensor?	Decrease the cooler thermostat value and do not put hot things close to the sensor.
Are there any sweating or icing?	Were the liquid foods in the closed containers?	Put the liquid foods into the closed containers.
	Were the hot foods put into the refrigerator?	Put it into after getting cold.
	Was the refrigerator door opened?	Do not leave the refrigerator door open and do not often open or close.
Abnormal Noise	Is the appliance on the flat surface?	The floor should be straight and balance the refrigerator with the help of the adjustable feet.
	Is the compressor feet loose	Fix it.
	Is the condenser or fan stationary normal?	Fix it.
	Do the capillary tube or all other tubes touch any where?	Fix it.

	620 – INNER DISPLAY	
	Service Mode	

Entering service mode :

After the cooler temperature is set to 8, push cooler temperature button for 10 seconds.

- If there is a faulty situation, error code will be observed on screen. Otherwise nothing will be on the screen.
- Buzzer will sound beep for 0.1 sec. each 5 sec. during service mode.
- Alarm icon will blink



In the Service mode;

- Starting up by pressing the cooler set button until 1 led lights up. (economy symbol will light)
The below components are checked;
Defrost heater
Balance heater
Cooler Fan
Freezer Fan
Condanser Fan
Ioniser (may not be in the appliance)
Led lights
Trizbar
Compressor

- Manual defrost is done by pressing the cooler set button 2 times. (super symbol will light)
6 Led lights continuously and manual defrost started. When the defrost sensor 10 C,manual defrost ends.
Mode can be canceled manually or automatically
Manual canceling; will be done by pushing REF button.
If manual canceling of this function is not performed in 30 min. service mode will be canceled.
Appliance will check if defrost is finished in this 30min. It YES, appliance will go on from previous set values. But if defrost is not finished , appliance will go on defrost till it finishes and then go on from previous set values.

- When the cooler set button is pressed 3 times, the instantaneous values of the sensor values can be read. (super and economy symbols will burn together) Negative temperature values will be indicated by blink.

THE VALUE OF THE NUMBER 1 SENSOR IS DISPLAYED IN THE FIRST TIME OF FUNCTION.
THE PREVIEW OF THE NEXT SENSOR IS SHOWED WHEN PRINTED IN ANY FREEZER BUTTON.
COOLER SENSOR INSTALLATION TEMPERATURE IS SHOWN IN FREEZER SET VALUE, "1" WRITER IN COOLER VALUE INDICATOR.
FREEZER SENSOR INSTALLATION TEMPERATURE IS SHOWN IN FREEZER SET VALUE, "2" WRITER IN COOLER VALUE INDICATOR
DEFROST SENSOR INSTALLATION TEMPERATURE IS SHOWN IN FREEZER SET VALUE, "3" WRITER IN THE COOLER VALUE INDICATOR
ATTENTION OF THE SENSOR AT THE SIZE OF FREEZER SET VALUE IS SHOWN, THE COOLER VALUE INDICATOR "4" WRITER
SERPANTINE SENSOR HEAT TEMPERATURE IS SHOWN IN FREEZER SET VALUE SEGMENT, "5" WRITER IN COOLER VALUE INDICATOR
WHEN PRIMING THE 5TH BEFORE PRINTING FREEZER BUTTON
MODE OF THE MODE OF THE COOLER BUTTON.

	620 – INNER DISPLAY		
	Service Mode		

To cancel Service Mode : You can use same method as entering the Service Mode.
After the cooler temperature is set to 8, push cooler temperature button for 10 seconds.

SENSOR	FREEZER SET VALUE	COOLER SET VALUE
(1) Freezer (Short-Open)	E	01
(2) Refrigerator (Short-Open)	E	02
(3) Defrost (Short-Open)	E	03
(4) AT sensor	E	04
(5) RDH Sensor	E	05

Component defect on display

DEFECT TYPE	FREEZER SET VALUE	COOLER SET VALUE
Compressor Defect	E	06
Defrost Heater Defect	E	07

Low voltage error on display

DEFECT TYPE	FREEZER SET VALUE	COOLER SET VALUE
Low voltage	E	08

Cooling error on display

DEFECT TYPE	FREEZER SET VALUE	COOLER SET VALUE
LF	E	09
LC	E	10
HC	E	11

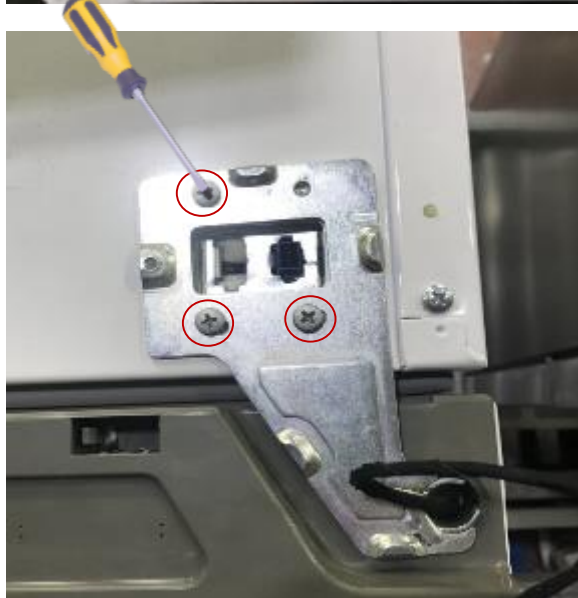
1. Unscrew the screws fixing the left and right top hinge cover. Remove the hinge covers.



2. Disconnect the socket connections.



3. Unscrew the screws fixing the top hinges and remove it.



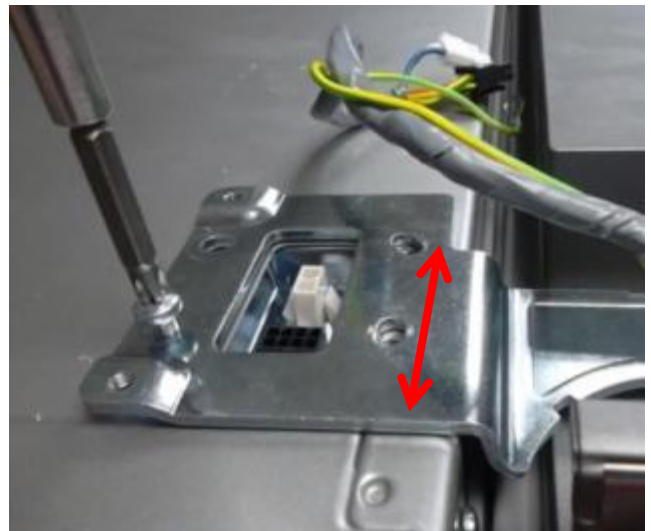
4. Remove the refrigerator doors by lifting them up.



Note-1: To re –assembly the doors basically repeat the previous steps backwards.

Note-2: After installing the upper doors , carefully connect the sockets around hinge area.

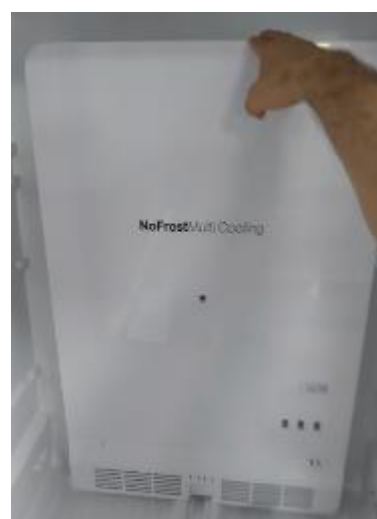
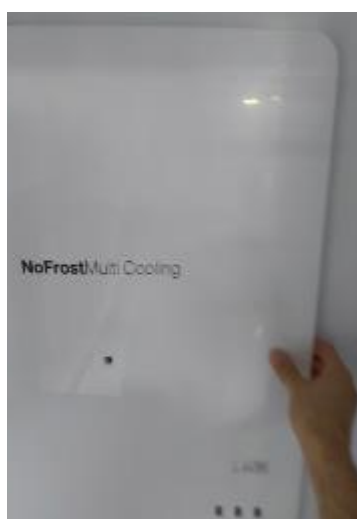
Note-3: Three out of Four screw sockets are slotted to let door adjustment.



- 1- First remove the glass shelves and crispers.
- 2- Unscrew the crisper rails screws.



3. Remove refrigerator multi-flow caps and unscrew the screws after removing the multi flow



4. Remove the fan motor and rubber from The Cooler by flexing



5. It is fixed at 3 points.



6. Place the fan motor and rubber group from 3 point to the Cooler after replacing



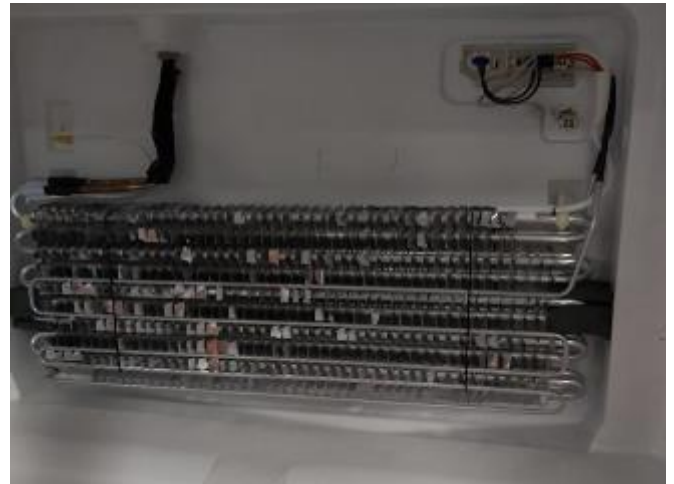
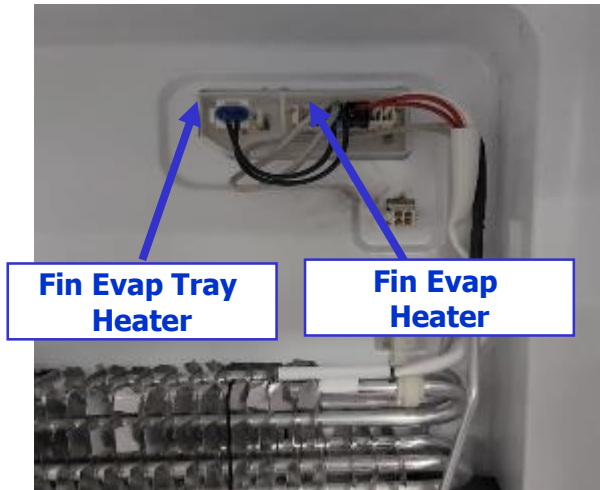
- 1- First remove the glass shelves and baskets.
- 2- Remove the fixing screws of middle rail and takeout the rail.
- 3- Takeout the freezer multiflow cover.



Note: To re –assembly basically repeat the previous steps backwards.

1. Disconnect to evaporator connector.
(blue connector) Disconnect to evap.tray heater.

2. Remove the evaporator by pulling forward in a horizontal direction.



Do not push it up or down. You may broke the fixing plastics.

Removing The Thermal Fuse

1. Remove the thermal fuse connector.
(black-white connector)

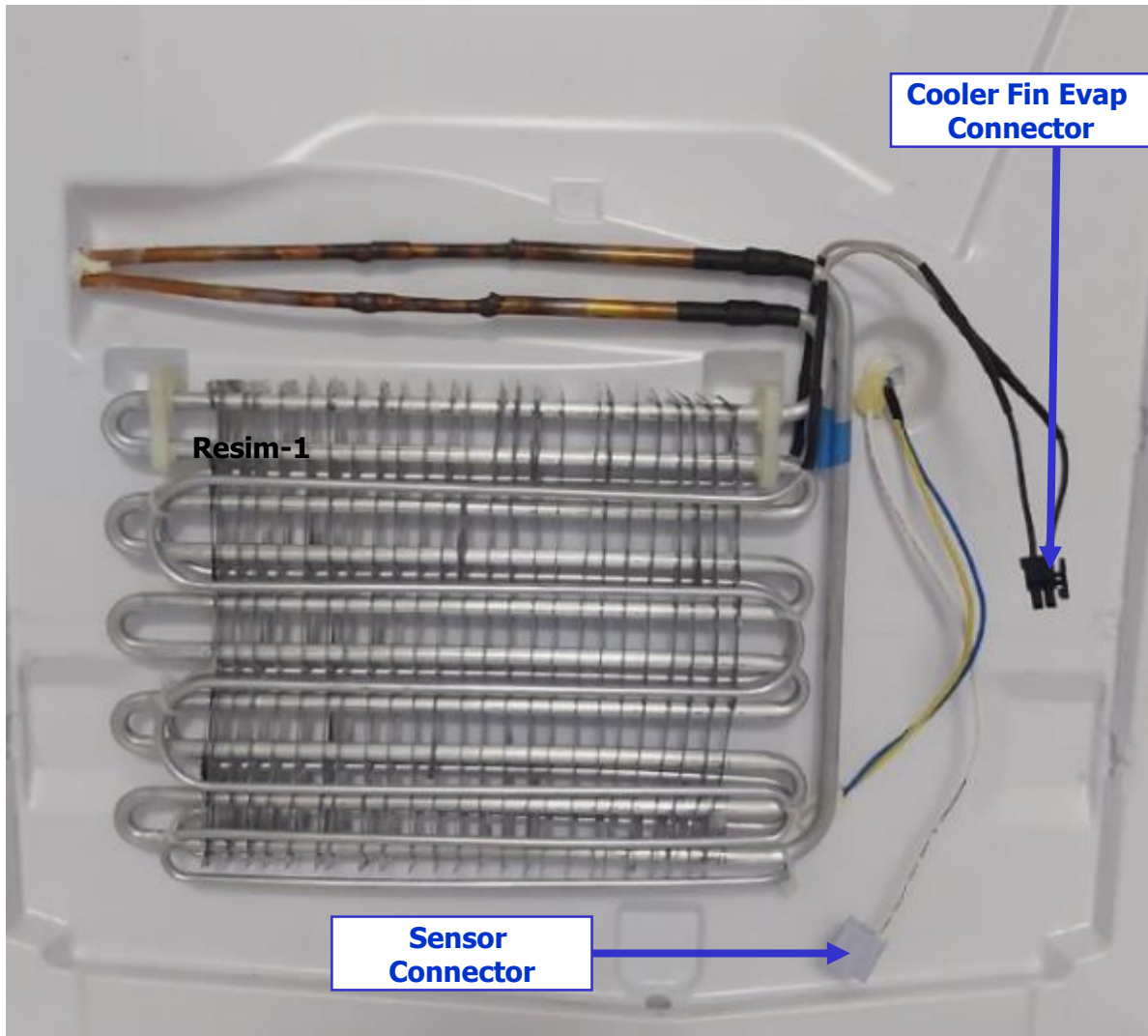
2. Thermal fuse has two details. These details hold on to the pipe. It could be removed easily.



Replacement of Cooler Fin Evap. Assy

1. Disconnect to cooler evaporator and sensor connector.

2. Remove the evaporator by pulling forward in a horizontal direction.



Do not push it up or down. You may broke the fixing plastics.

Warning: Make sure the unit is unplugged

1. Remove the mainboard cover screws placed at the top of the unit and take the



2. Mainboard socket connections are described as below.
3. Remove the connection sockets carefully and remove the mainboard.



Not: All sockets are different on the main board .They are not interchangeable.

4. Replace the main board.

5. Connect the sockets



6. Tidy up the cables, place the cover and fix the screws.



Trizbar is placed on the upper left door.

1. Open the left door and remove the fixing screws of the middle.



2. Disconnect to trizbar connections.



3. Remove the trizbar group.



There are two reed switch is under the upper door hinge covers.

1. Unscrew the screws fixing the left and right top hinge cover. Remove the hinge covers.



2. After removing the switch , take out the cable sockets for replacing.

