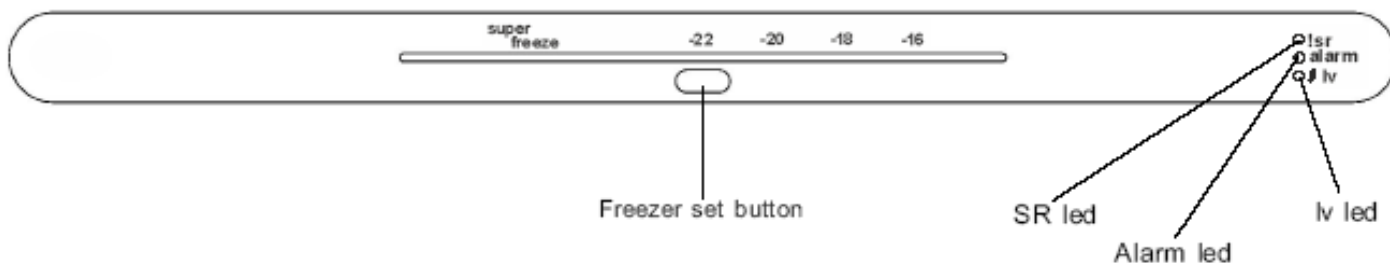


## Display and control panel



### Freezer Set Button

It is freezer set button. The set values of freezer compartment can be changed by this button. SF mode can be active by pushing this button too.

### !sr

SR will light red and audible alarm will be released when any problem occurs in the fridge.

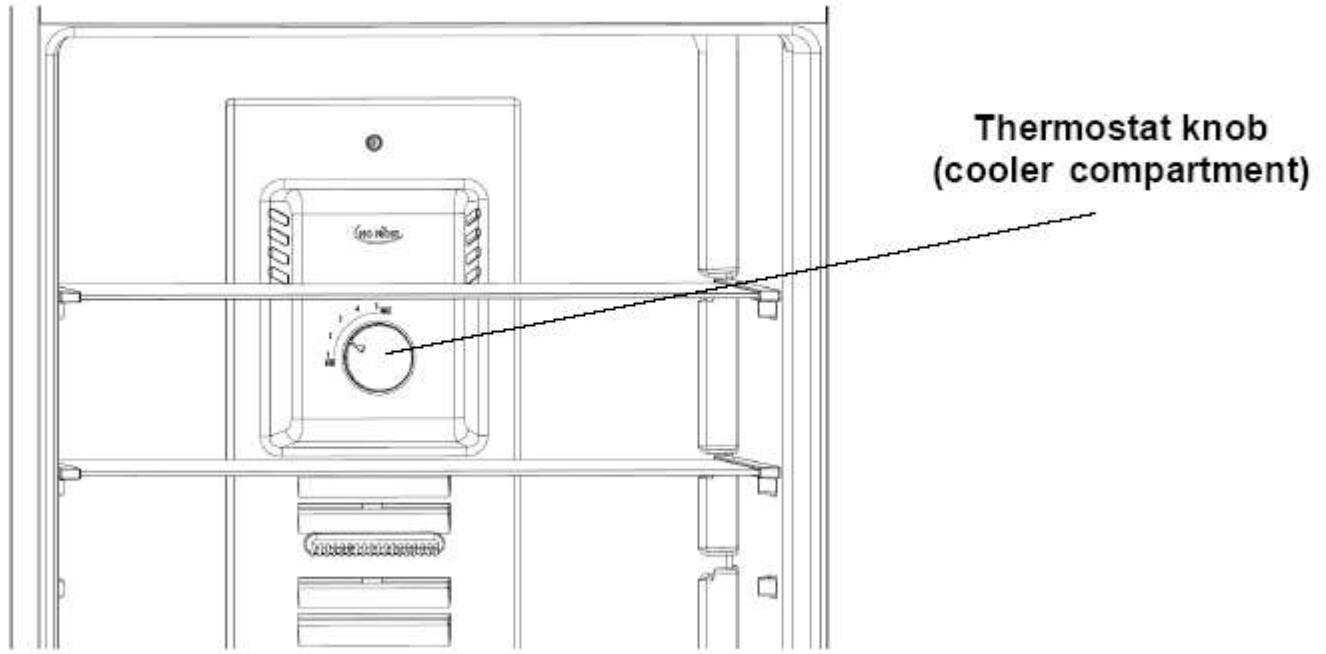
### Alarm

Alarm will light as red when the doors are opened. After 2 minutes, the buzzer will sound too.

### lv

In case the mains voltage is low, this symbol will be lighted. Red warning lights will go off when mains voltage raises the appropriate level.

## **Thermostat Setting**



**Thermostat knob  
(cooler compartment)**

Refrigerator thermostat automatically regulates the inside temperature of the compartments. By rotating the knob from position 1 to 5, colder temperatures can be obtained. In cold seasons, you can set lower positions in order to decrease the energy consumption.

### **Refrigerator Thermostat Setting;**

- 1 – 2 : For less coldly conditions.
- 3 – 4 : For normal conditions.
- 5 : For colder conditions.

**Note that; the ambient temperature, temperature of the freshly stored food and how often the door is opened, affects the temperature in the appliance. If required, change the temperature setting.**

## **Super Freezing**

### **Starting:**

Push FRE.SET button till SF led blinks

If the user does not push any button for 3 sec. mode will be set.

Symbol will blink 5 times and buzzer will sound peep-peep.

After 3 hours passed pushing super freezee mode, start sound and blink function;

Sound and blink function: for 1 minutes will sound peep-peep and blink, following 5 minutes no sound and no blink. Repeat sound and blink function for 1 hour or untill freezer door is open .

Set Freezer sensor at -40°C; Compressor will run continuously

### **Manually mode finishing:**

First Pushing to FRE.SET button:

SF led blinks; If user does not touch any button during 3 sec, mode is cancelled and previous set value is set.

Second and More Pushing to FRE.SET button:

Blinking will start from -16°C. Any of set values can be selected.

Set value blinks; If user does not touch any button during 3 sec, mode is cancelled and set value is set.

### **Automatically mode finishing:**

Freezer sensor < -32°C or 24 hour is passed, set SF OFF.

After finishing mode, return to existing working style.

## **Friendly Lighting**

• If you want to operate the illumination system of appliance according to ambient brightness, you can select this mode.

• If you want to select this mode, please press Freezer set button during 3 seconds.

For cancelling, you can press Freezer set button during 3 seconds again.

When this mode is selected and ambient light is enough, the lighting of inside of appliance will not be active.

## **Freezer Temperature Settings**

• Initial temperature value for Freezer Setting Indicator is -18°C.

• Press freezer set button once.

• When you first push this button, the last set value will blink on screen.

• Whenever you press on this button, lower temperature will be set. (-16°C, -18°C, -20°C, superfreeze)

• When you push the freezer set button until super freeze symbol appears on the Freezer Setting Indicator, and if you do not push any button in 3 seconds Super Freeze will flash.

• If you continue to press, it will restart from -16°C.

### Warnings about Temperature Adjustments

- Your temperature adjustments will not be deleted when an energy breakdown occurs.
- It is not recommended that you operate your fridge in environments colder than 10°C in terms of its efficiency.
- Temperature adjustments should be made according to the frequency of door openings and the quantity of food kept inside the fridge.
- Do not pass to another adjustment before completing an adjustment.
- Your fridge should be operated up to 24 hours according to the ambient temperature without interruption after being plugged in to be completely cooled. Do not open doors of your fridge frequently and do not place much food inside it in this period.
- A 5 minute delaying function is applied to prevent damage to the compressor of your fridge, when you take the plug off and then plug it on again to operate it or when an energy breakdown occurs. Your fridge will start to operate normally after 5 minutes.
- Your fridge is designed to operate in the ambient temperature intervals stated in the standards, according to the climate class stated in the information label. We do not recommend operating your fridge out of stated temperatures value limits in terms of cooling effectiveness.

Climate Class	Ambient (°C)
T	16 to 43
ST	16 to 38
N	16 to 32
SN	10 to 32

**Note:** If ambient temperature less than 25°C, refrigerator setting should be adjusted "between 1 and 3 position"

- If ambient temperature more than 25°C, refrigerator setting should be increased until temperature will reach to sufficient cooling.
- For optimum adjustment, freezer setting must be as -18°C or -20°C.
- In summer, if refrigerator is used where the ambient temperature is too high, you should adjust freezer thermostat as -24°C.

## **Service Mode:**

### **Entering service mode:**

Push FRE button continuously. During this time, open and close freezer door switch 3 times. Appliance will enter service mode 3 sec. later.

### **During service mode:**

- Sr and Alarm leds will light continuously during service mode.
  - Leds will show error codes (service mode reaction)
  - If service man pushes FRE button continuously for 5 sec. Starting Program will start
- Starting Program
- 16 Led will light when Middle Bracket Heater is ON
  - -18 Led will light when Defrost Heater is ON
  - 20 and -22 Led will light when Evap Fan Motor is ON
  - 24 and "super freezer" Led will light when Compressor is ON

### **Manually mode finishing:**

Push FRE button continuously, during this time, open and close freezer door 3 times. Appliance will exit service mode 3 sec later.

## **Demo mode:**

This mode will be use for only sales points by salesman to show functions & modes to customer without operating components as a compressor, fan, motor..Etc.

### **Entering Demo mode:**

- Push FRE button continuously. During this time, open and close refrigerator door switch 3 times. Appliance will enter service mode 3 sec. later.
- All functions can be adjusted to show how they are adjusted to the customer.

### **Canceling Demo mode:**

For cancelling; Same operation will be used.

When appliance is Demo mode; if plug is removed or there is an el electricity breakdown; demo mode will continue with current settings after user plug into or electricity breakdown finish.

## ERROR MESSAGES ON DISPLAY

SENSOR	TEMPERATURE	USER MODE REACTION	SERVICE MODE REACTION
(1) Freezer	> +50 °C or <-50 °C (sensor is short or open)	<b>Display SR &amp; ALARM (blinks) icon</b>	-16°C led ON
(3) Defrost	Short (< 100 Ω) or <-50 °C		-20°C led ON
(4) AT sensor	Short or < -30 °C		-22°C led ON
Breakdown of (1) and (3)			-16°C and -20°C leds ON
Breakdown of (1) and (4)			-16°C and -22°C leds ON
Breakdown of (3) and (4)			-20°C and -22°C leds ON
Breakdown of all sensors			-16°C, -20°C and -22°C leds ON

## Component defect on display

DEFECT TYPE	DETAILS	USER MODE REACTION	SERVICE MODE REACTION
Compressor Defect	Defrost sensor temp > -10°C (D sensor temp.unchanges for 10 min.continuous compressor run)	<b>Display SR &amp; ALARM (blinks) icon</b>	Display -24°C led ON
Defrost Heater Defect	Defrost sensor < 0°C		Display SF led ON

**Low voltage error on display**

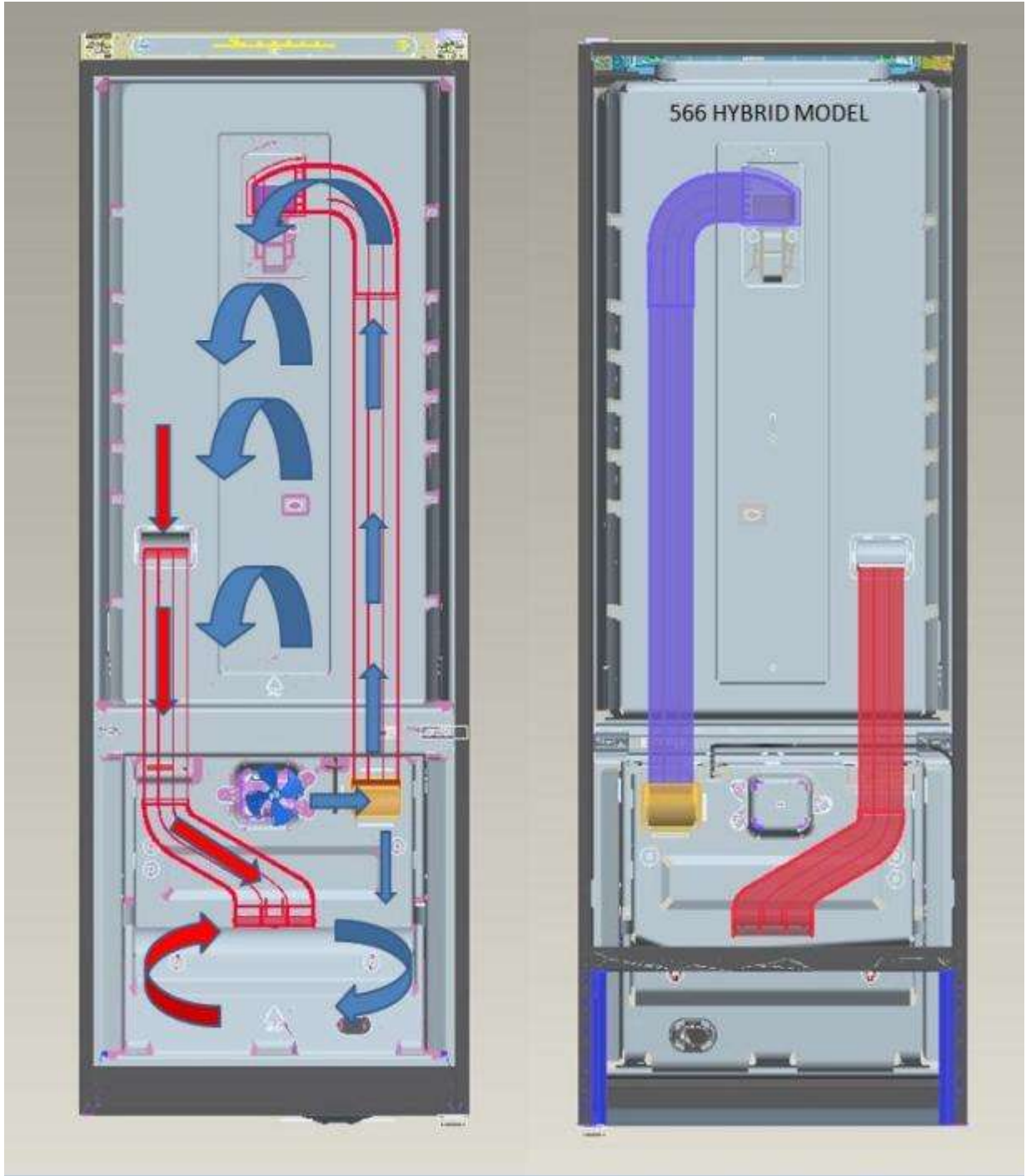
DEFECT TYPE	DETAILS	USER MODE REACTION	SERVICE MODE REACTION
Low voltage	Power supply < 170	Low voltage icon blinks	Display lv led

**Cooling error on display**

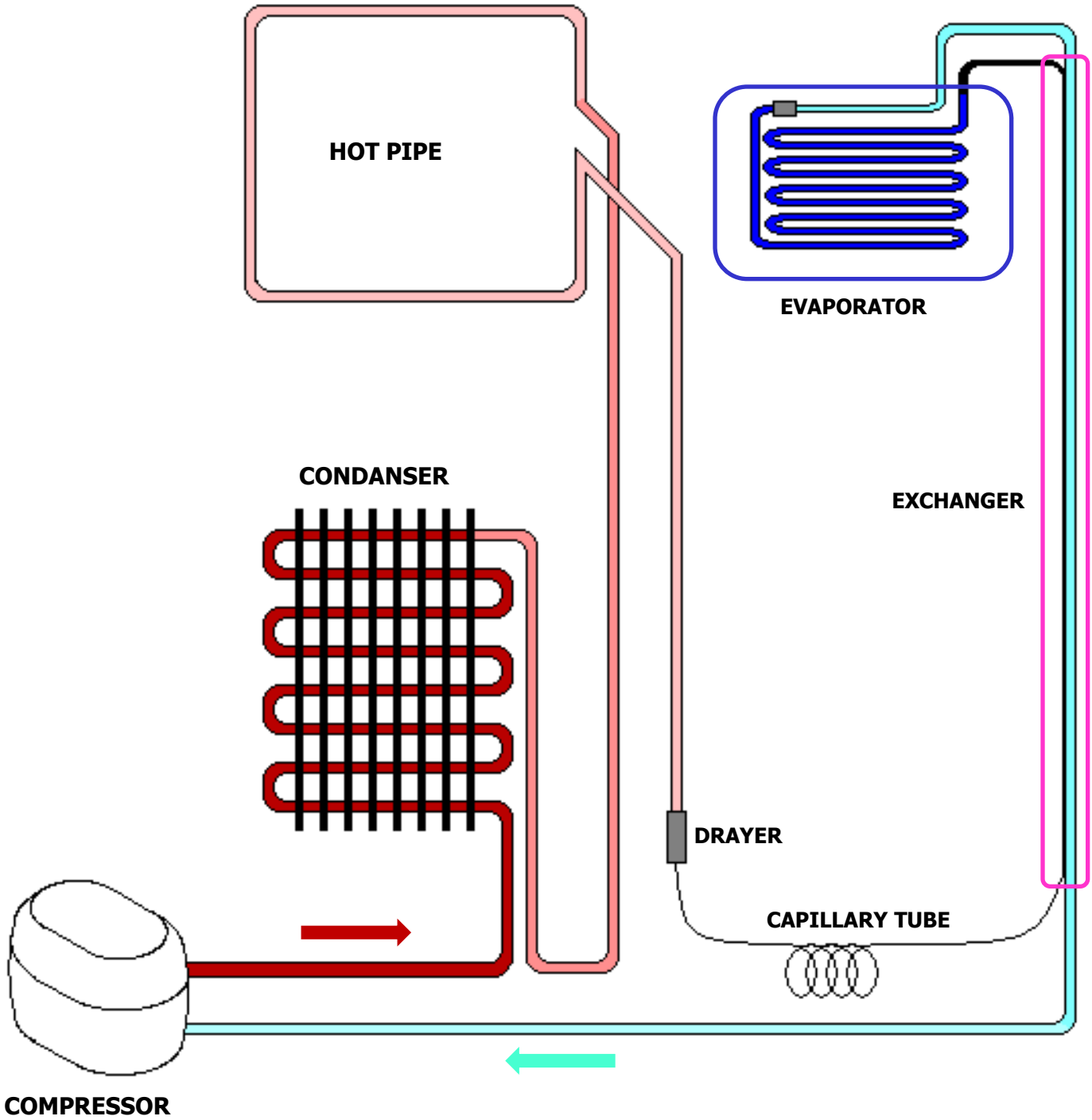
**NOTE:** To prevent the wrong alarms, this alarm status is disabled on following conditions:

- During the first 6 hours after the product was firstly connected.
- During the defrost period
- During the first two hours after a defrost
- During the first 2 hours that one of the doors was open.

DEFECT TYPE	DETAILS	USER MODE REACTION	SERVICE MODE REACTION
Freezer sensor > -10°C	Freezer compartment is not cool enough	SR icon blinks	-24°C led blinks
Ref. sensor > +10°C and if Holiday mode is not active	Refrigerator compartment is warm	SR icon blinks	-22°C led blinks
Ref. sensor < -5°C	Refrigerator compartment is so cool	SR icon blinks	-20°C led blinks



## REFRIGERANT CYCLE DIAGRAM



## Changing The Door Swing Direction to Right Hand

1. Unscrew the screw fixing the top hinge cover and remove it. (Fig-1)



**Figure-1**

2. Unscrew the two screws fixing the top hinge and remove it. (Fig-2)



**Figure-2**

3. Remove the refrigerator door. (Fig-3)



**Figure-3**

4. Unscrew the two screws which are fixing the middle hinge. (Fig-4)



**Figure-4**

5. Remove the freezer door. (Fig-5)



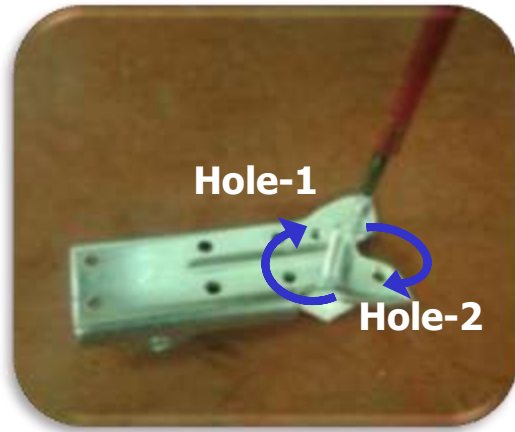
**Figure-5**

**6.** Unscrew the bottom hinge fixing screws and remove it. (Fig-6)



**Figure-6**

**7.** Unscrew the stationary foot of bottom hinge and screw to **Hole-1**. Unscrew the hinge pin and screw to **Hole-2**.(Fig-7)



**Figure-7**

**8.** Unscrew the stationary foot and front wheel (Fig-8.1) and screw to the right side. (Fig-8.2)

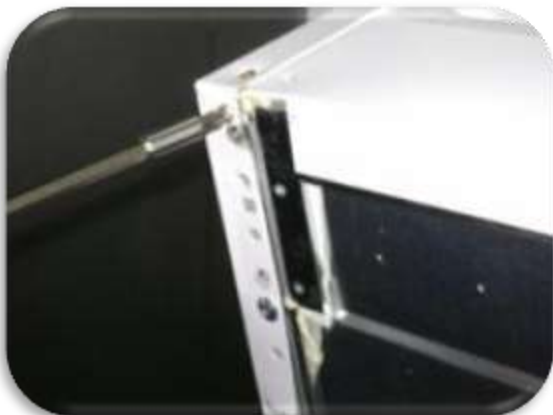


**Figure-8.1**



**Figure-8.2**

**9.** Unscrew the side panel support screw (Fig-9.1) and screw the bottom hinge to the left side . (Fig-9.2)



**Figure-9.1**



**Figure-9.2**

**10.** Remove the middle hinge cover on the left. (Fig-10.1) and insert the middle hinge cover to the right side. (Fig-10.2)



**Figure-10.1**

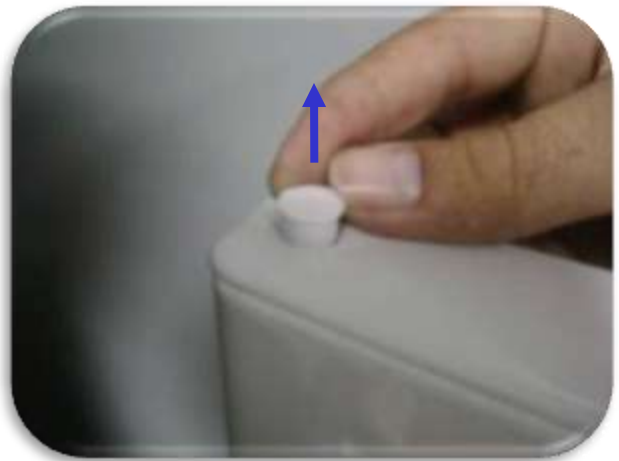


**Figure-10.2**

**11.** Replace the freezer door top bushing (Fig-11.1) and top bushing cap. (Fig-11.2)



**Figure-11.1**



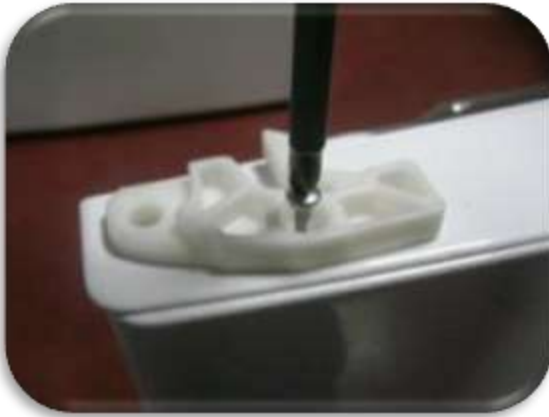
**Figure-11.2**

**12.** Remove the freezer door bottom bushing and bottom stopper and then insert them the left side. (Fig-12)



**Figure-12**

**13.** Remove the freezer door right catcher (Fig-13.1) and assemble the left catcher to the left. (Fig-13.2) (You can find the left door catcher in the user manual bag)



**Figure-13.1**



**Figure-13.2**

**14.** Assemble the freezer door. Turn the middle hinge by 180°. Fix the middle hinge by tightening the screws. (Fig-14.1) Assemble the refrigerator door. (Fig-14.2)



**Figure-14.1**



**Figure-14.2**

**15-** Unscrew the screw fixing the top hinge pin. Then fix left top hinge pin to left side of the top hinge. (Fig-15) (You can find the left top hinge pin in the user manual bag)



**Figure-15**

**16-** Screw the left top hinge and screw the hinge cover.  
(Fig-16)



**Figure-16**

***Note:*** Check the door switches after door reversing. Adjust the doors if they are not working.



## Replacement of Head Panel Group and Main PCB

1- Remove the head panel right and left caps. (Fig-1.1 / Fig-1.2 )



**Figure-1.1**



**Figure-1.2**

2- Unscrew the screws fixing the head panel. (Fig-2.1 / Fig-2.2)

*Use an appropriate screw driver head (torx)*



**Figure-2.1**



**Figure-2.2**

3- Remove the head panel. (Fig-3.1 / Fig-3.2) *Make sure that the door is open 90°*



**Figure-3.1**



**Figure-3.2**

4- Disconnect all socket connections. (Fig-4)



**Figure-4**



**Figure-5**

5- Remove the main PCB box (Fig-5) and take out the main PCB.

6- After changing the main PCB insert the new one into the main PCB box and make the connections then mount them to the head panel. Mount the head panel to the panel housing. (Fig-6)



**Figure-6**

## Replacement of Refrigerator Upper Multiflow

1- First remove the glass shelves (Fig-1)



**Figure-1**

2- Remove the refrigerator thermostat knob (Fig-2)



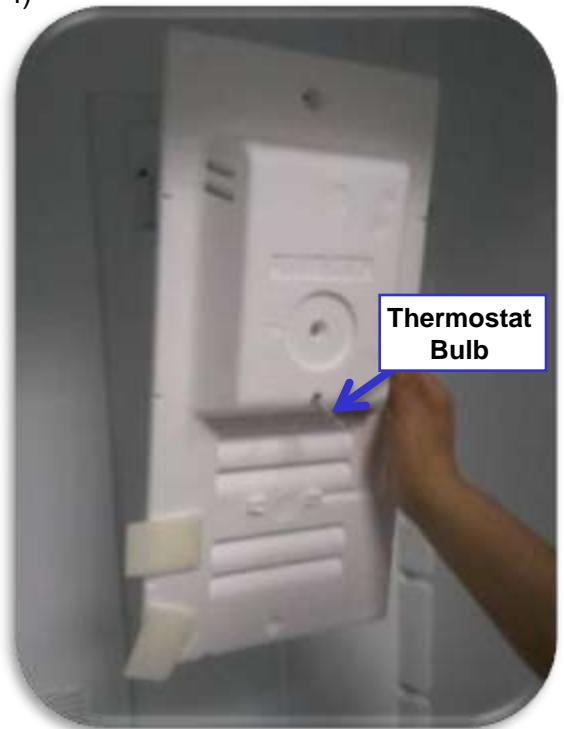
**Figure-2**

3- Remove refrigerator multi-flow caps and unscrew the screws. (Fig-3) Then remove it.



**Figure-3**

4- Pull the dumper thermostat bulb and make straighten than pul and remove multiflow styrofoam. (Fig-4)



**Figure-4**

5- Unscrew the dumper thermostat fixing screws and take out it by pulling forward. (Fig-5)



**Figure-5**



The isolation sponges on the back side of the cover. During dismantling of the cover, be careful not to damage them.

## Replacement of Refrigerator Bottom Multiflow

1- First remove the crispers, crisper shelf, chiller cover and chiller. (Fig-1.1/1.2/1.3/1.4)



**Figure-1.1**



**Figure-1.2**



**Figure-1.3**



**Figure-1.4**

2- Remove refrigerator bottom multiflow caps and unscrew the screws. (Fig-2.)



**Figure-2**



The isolation sponges on the back side of the cover. During dismantling of the cover, be careful not to damage them.

## Replacement of Freezer Sensor

Remove the freezer sensor cover by pulling forward and disconnect sensor connector.



## Replacement the ice cube tray holders

1- Remove the ice cube trays. (Fig-1)



**Figure-1**

2- Unscrew the 4 screws fixing the holders. (Fig-2)



**Figure-2**

3- Take out the holders by pulling downwards. (Fig-3)



**Figure-3**

## Replacement of Freezer Multiflow Cover

1. Remove the freezer basket and wine shelf. (Fig1.1 / Fig 1.2)



**Figure-1**



**Figure-2**

2- Remove multiflow caps and unscrew the screws. (Fig-2.)

3- Then pull multiflow cover slightly from the bottom. (Fig-3)

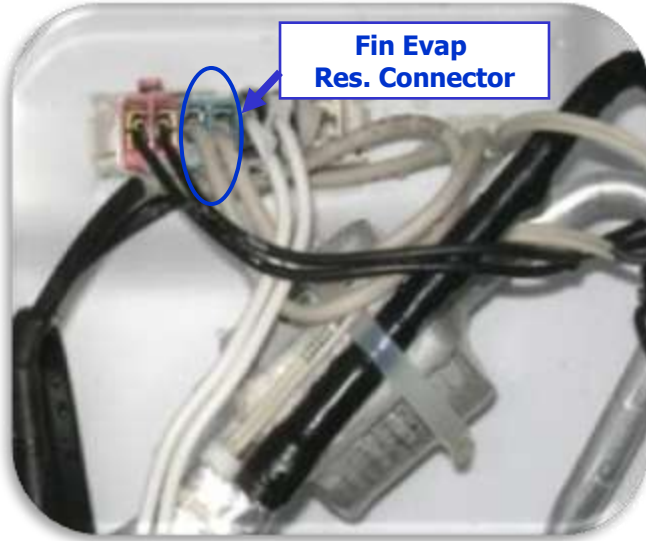


**Figure-2**



**Figure-3**

## Replacement of Fin Evap Assy.

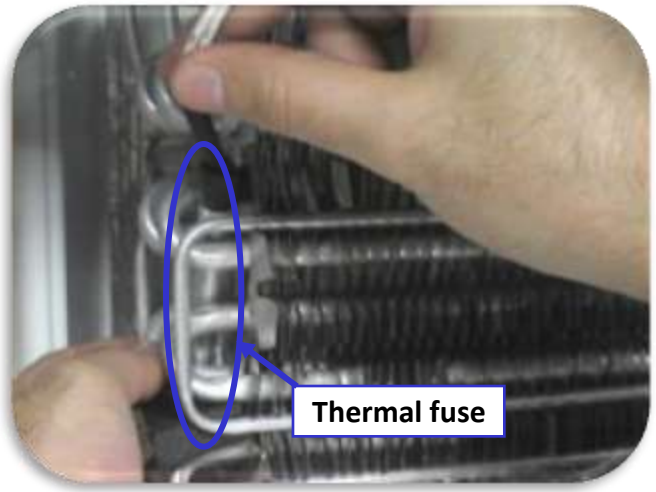
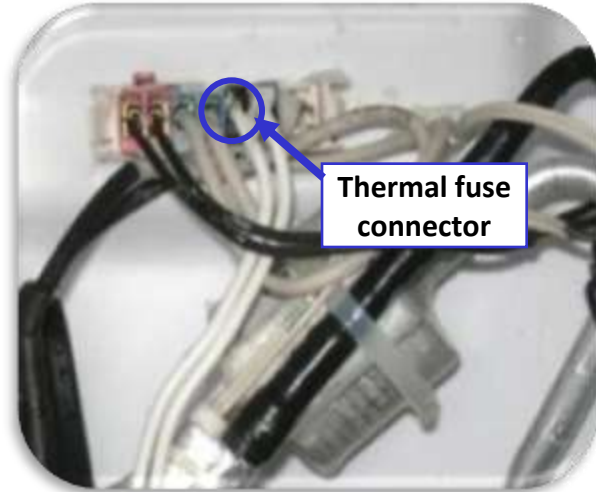


Disconnect fin evaporator resistance connector. **(blue connector)**

Remove the evaporator by pulling forward in a horizontal direction.

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

## Replacement of Thermal Fuse Assy.



Disconnect thermal fuse connector.

**(black connector)**

Remove the thermal fuse by pulling it.

( mounted on the left side of the evaporator)

Take out the thermal fuse.

### **Note:**

Be sure to replace both thermal fuse and defrost sensor ,in case that thermal fuse is blown.

## Replacement of Freezer Fan Motor

1. Disconnect the fan motor connector. (pink connector) (Fig-1)

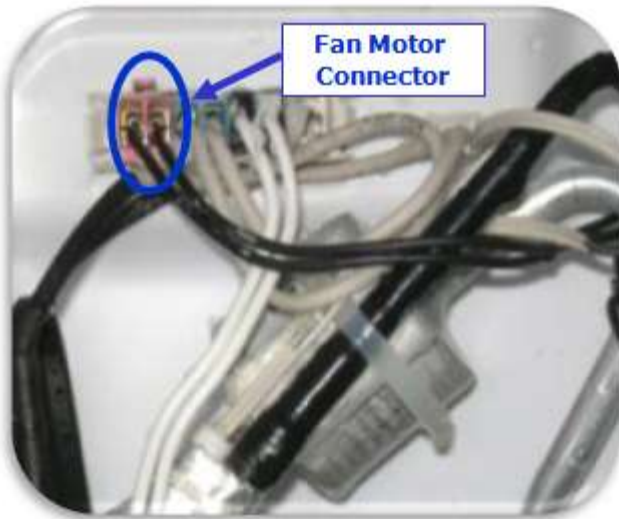


Figure-1

2. Unscrew the screws which are fixing the fan motor box and remove the fan motor box . (Fig-2)

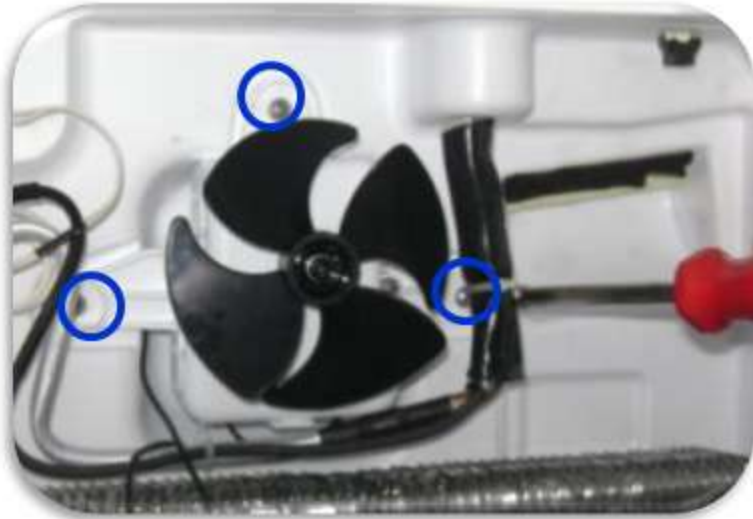


Figure-2

3. Remove the propeller by pulling forward. (Fig-3)

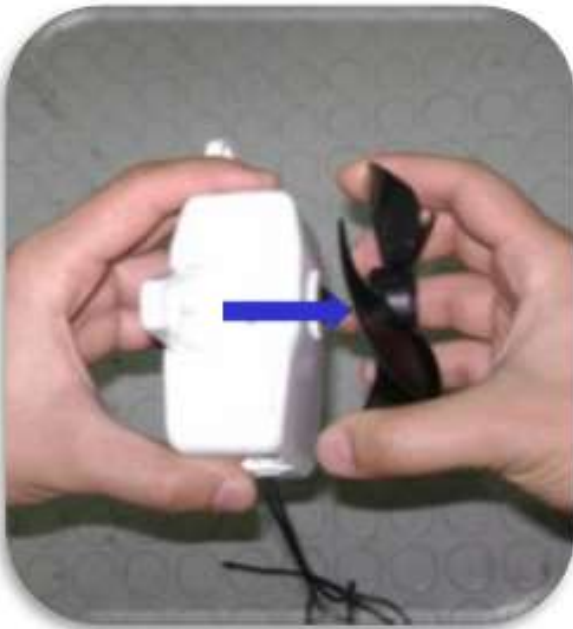


Figure-3

4. Release the tabs by using a screwdriver. (Fig-4)



Figure-4

5. Unscrew the fan motor box cover screws.  
(Fig-5)



Figure-5



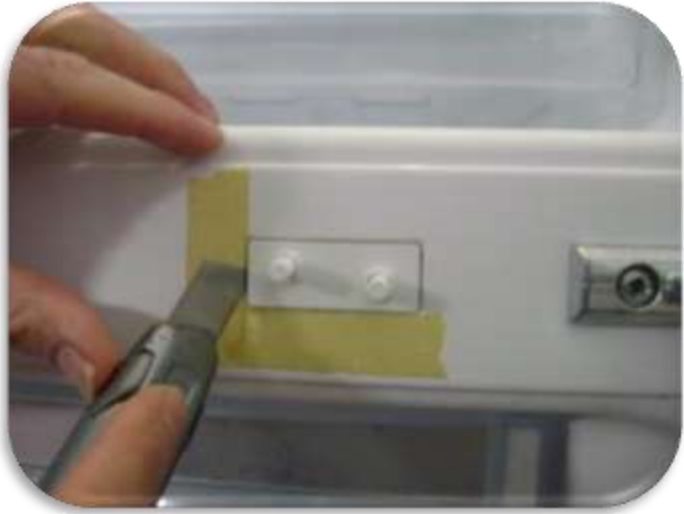
## Replacement of Door Switch

1- First ,stick a tape on the corner of switch to prevent any scratches. (Fig-1 )



**Figure-1**

2- Take out the switch using a sharp/thin tipped tool. (Fig-2) Try to stretch it from one side, then remove it with your hand by pulling forward.



**Figure-2**

3- Disconnect the connector and replace the switch (Fig-3)



**Figure-3**

4- Cable colors and numbers must match at switch replacement. (Fig-4)



**Figure-4**

## Replacement of ATC (At the top of the cabinet)

Remove the ambient sensor cover by pulling forward and disconnect sensor connector.

