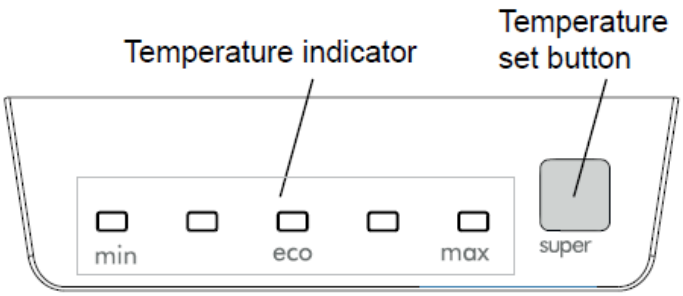
SOGEDIS ELECTROMENAGER	**289 ELID**	SOGEDIS ELECTROMENAGER
	Display and Control Panel	



Lighting (If available)
When the product is plugged in for the first time, the interior lights may turn on 1 minute late due to opening tests.

Temperature Set Button
This button allows setting temperature of the fridge. In order to set values for fridge partition, press this button.
Temperature Settings
• Every time you press the button, the setting temperature will decrease.
• Settings display and you do not press any button within the following 3 seconds.

Super Freeze Mode
When would it be used?
• To freeze huge quantities of food.
• To freeze fast food.
• To freeze food quickly.
• To store seasonal food for a long time.

If refrigerator is cooler
Super Cooling Mode
When would it be used?
• To cooling huge quantities of food.
• To cooling fast food.
• To cooling food quickly.
• To store seasonal food for a long time.
How to use?
• Hold down temperature set button for 5 seconds to activate super mode when set is MAX.
• All lights will be lighted constantly.
During this mode:
If you hold down set button for 5 seconds, super mode will be deactivated. The super mode will be cancel automatically after max 48 hours.

Door Open Alarm Function
If cooler door is opened more than 2 minutes, appliance will give sound warning.

Stand-By Mode
Select min set value
Press the set button for 5 seconds.
All components will be off.(ınclude lıghtıng)
When mode actıvated, all leds wıll blınk three tımes and turn off.
If the mode is actıve when the set key ıs pressed for less than 5 seconds, all leds wıll blınk 3 tımes.
For cancel thıs mode, press the set button for 5 seconds.

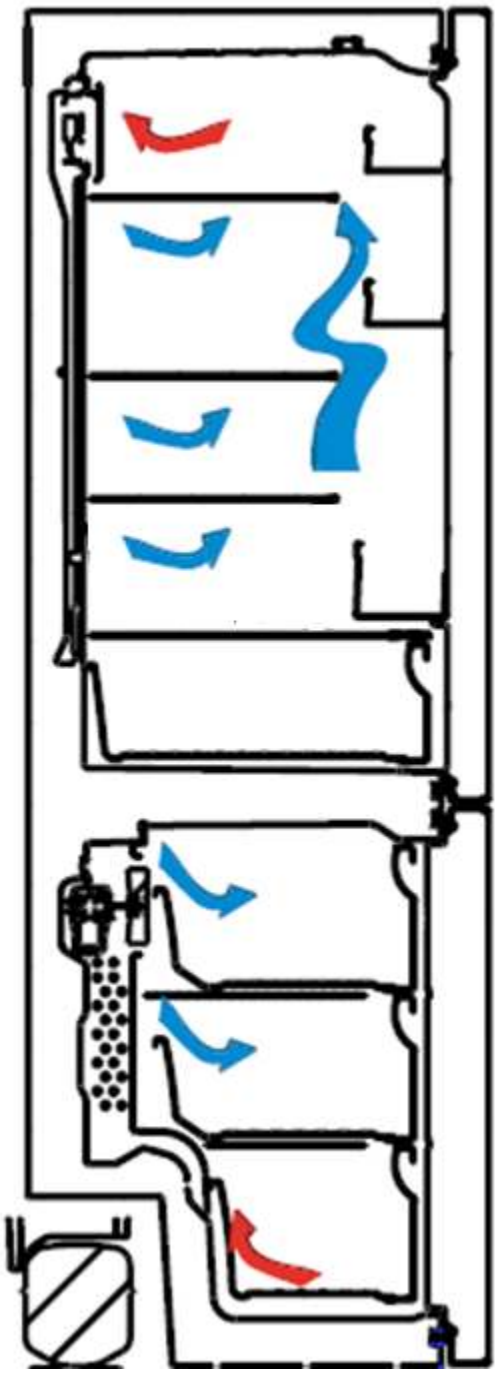
Demo Mode
This mode can be used to show functions & modes to customer or end-user without operating cooling components such as a compressor, fan etc.

While in the mode, you can do all the operations on the display as if the product is working. This includes all temperature settings and entry-exit operations for special modes such as holiday and economy mode. Interior lighting will continue to function in normal operation. Parts that provide only cooling functions will not operate.

Entering Demo mode:
Plug the product in.
Fırst select the "4" set value, after that push set button 5 seconds.
Procedure must be completed within first 1 minute
All components wıll be off except ınterıor lıghtıng and set value leds.
Set leds wıll lıght sequentıally every 1 seconds.
Example; set_1 led lıght, after 1 second set_1 led lıght off set_2 led lıght on…
When appliance is in Demo mode; if plug is removed or there is an electricty breakdown; demo mode will continue with current settings after user plug into or electricity breakdown finish.

Canceling Demo mode:
Push set button 5 seconds.
There ıs no automatıc exıt for demo mode.

SOGEDIS ELECTROMENAGER	**289 ELID**	SOGEDIS ELECTROMENAGER
	Air Flow Diagram	

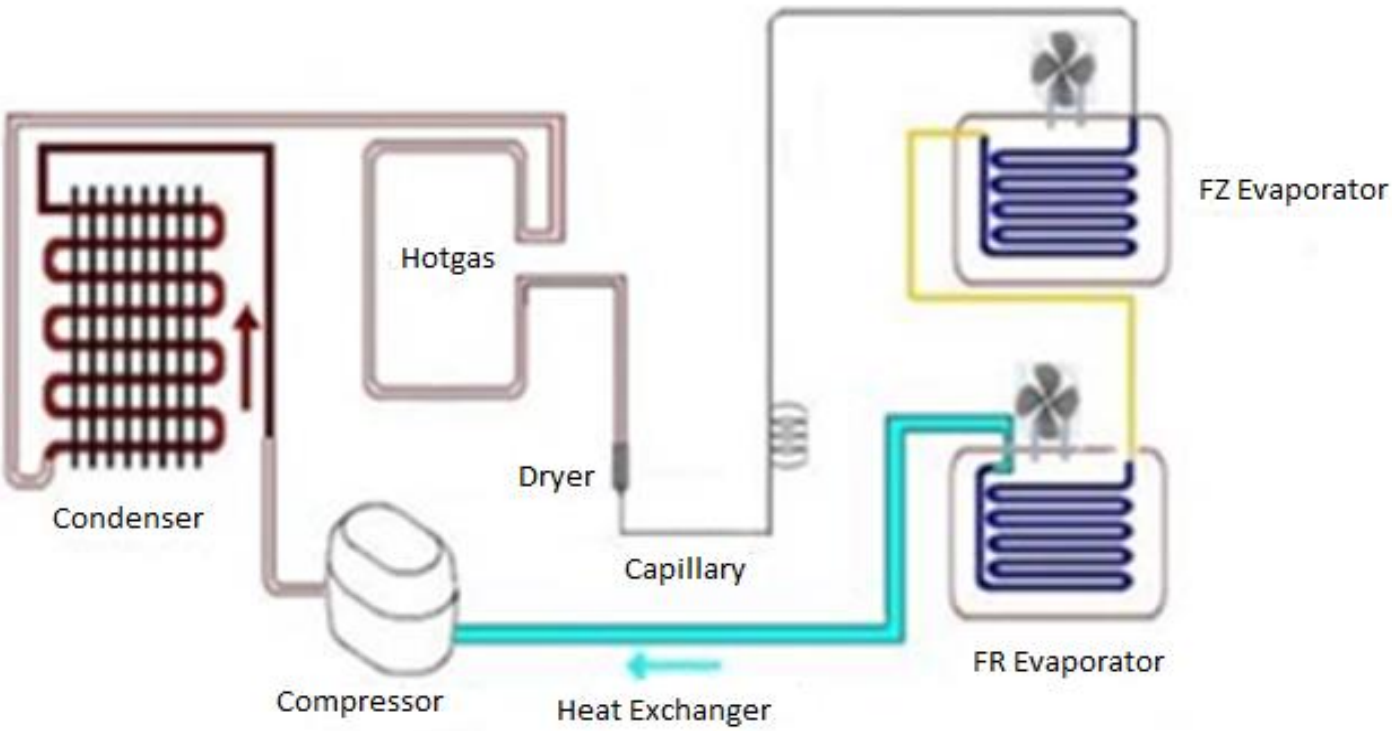


Cutaway view: Air Flow Direction

Blown : Cold Air

Returned: Hot Air

SOGEDIS ELECTROMENAGER	**289 ELID**	SOGEDIS ELECTROMENAGER
	Air Flow Diagram	



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/4.02k5Ω	-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

NTC Sensor

There are three types of sensors. They are cooler, freezer defrost, cooler defrost sensors. Cooler and freezer defrost sensors have the same features but their cable length is different. The resistance values of all sensors decrease when the temperature values of the sensors increase. For example, the resistance value that is 33 kΩ in the -35.5 ºC goes down to 1kΩ in the 45 ºC and therefore the ambient temperature should be considered while the sensor is being checked. If the ambient temperature is 25 ºC, the measuring device shows about 2.2kΩ (if ntc sensor is steady).

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 compressor and freezer fan motor starts and stops after 5 seconds.
- ❖The defrost resistance stars and stops after 5 seconds.
- ❖The cooler defrost resistance starts and stops after 5 seconds.
- ❖The DC Radial Fan starts and stops after 5 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; 8 hours or max total time; 55 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 8ºC.If defrost time passes 37 minutes, defrost completing temperature will be rise to 15ºC.

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 7ºC.

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 ºC the compressor works 5 minutes later. If it is higher than -5 ºC.

Other Features

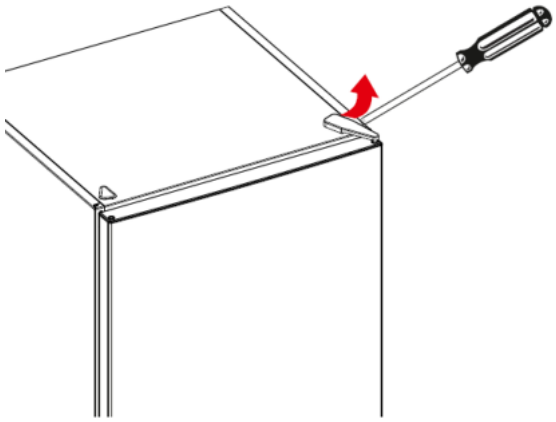
Warnings : The door open warning is active 2 minutes later and it alarms.

Door Direction : It is possible to reverse the door.

Gasket : It is possible to change the gasket.

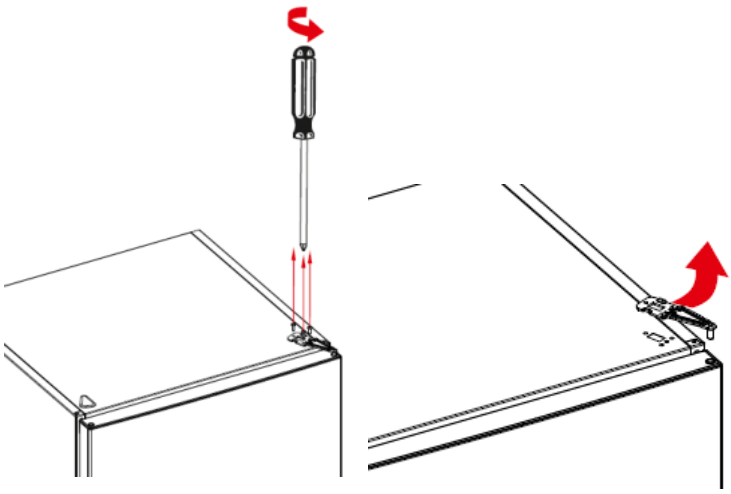
Unsufficient cooling	Is the appliance too close to wall or heat sources (stove, central heating, oven, cooker etc.)?	It should be placed min 50cm distance from heat sources and min 5 cm from electrical ovens.
	Is the ambient temperature high?	Raise the thermostat value.
	Check whether putting the hot 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.

1.Hold the top hinge cover and remove it toward that direction (Pic-1)



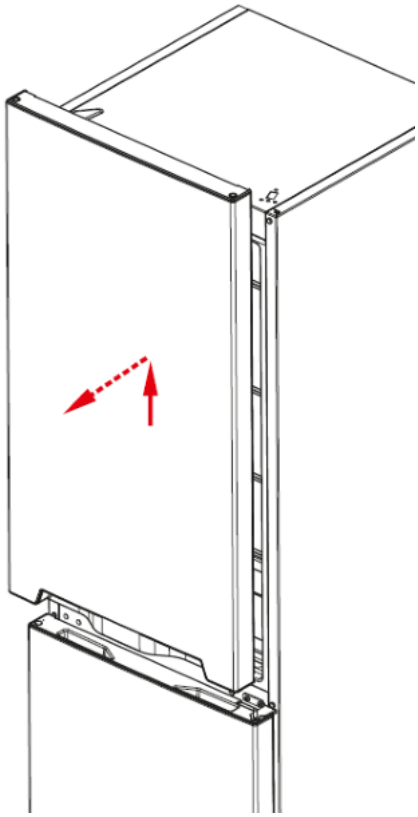
Picture-1

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



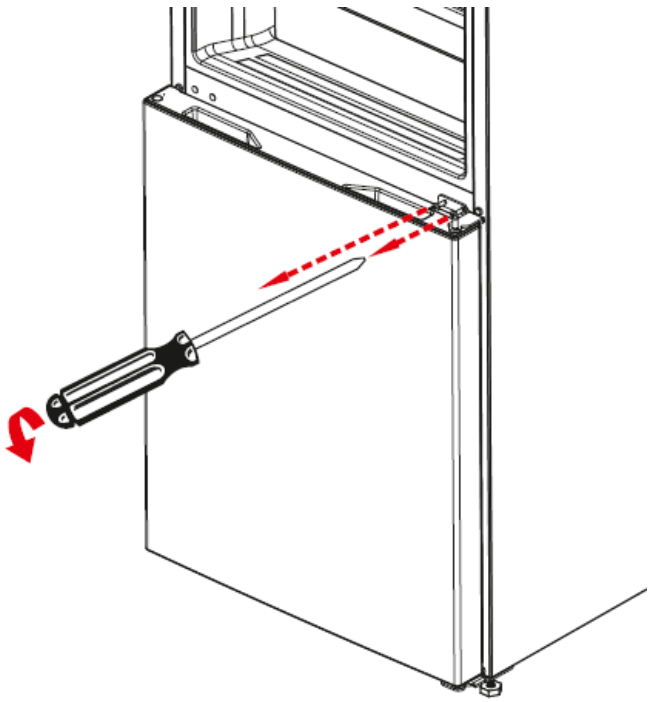
Picture-2

3. Displace the top door (Pic-3)



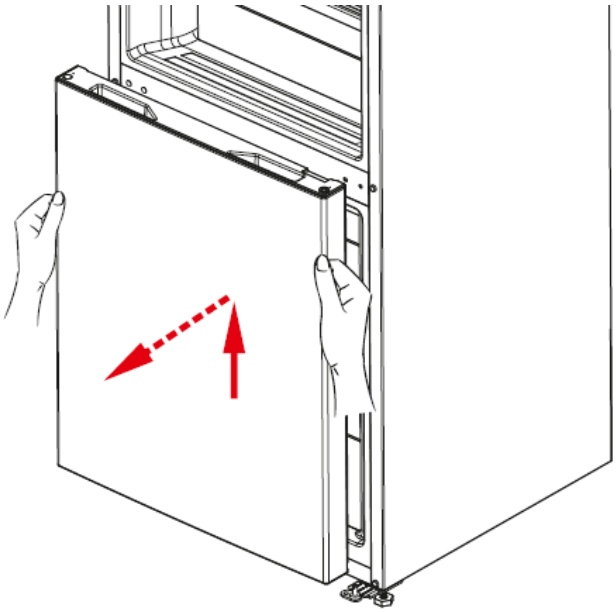
Picture-3

4. Unscrew the two screws fixing the middle hinge and remove it.(Pic-4)



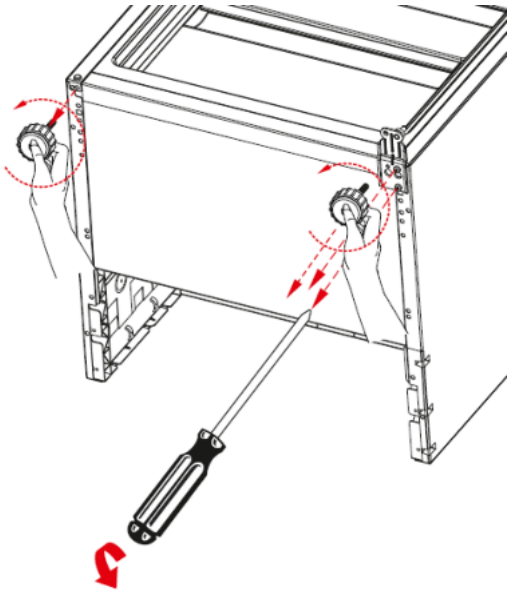
Picture-4

5. Displace the bottom door. (Pic-5)



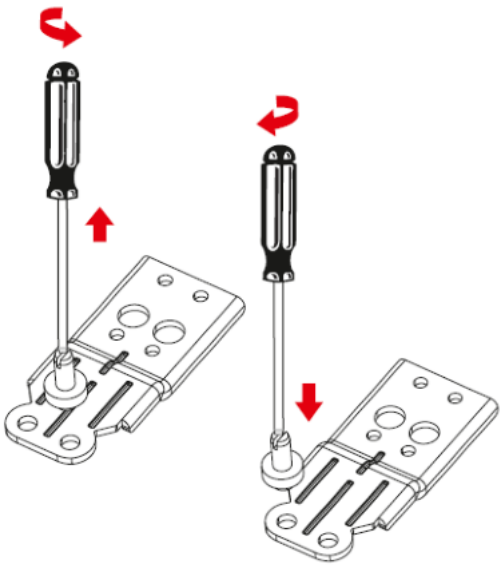
Picture-5

6. Unscrew the adjustable foot and bottom hinge screws (Pic-6)



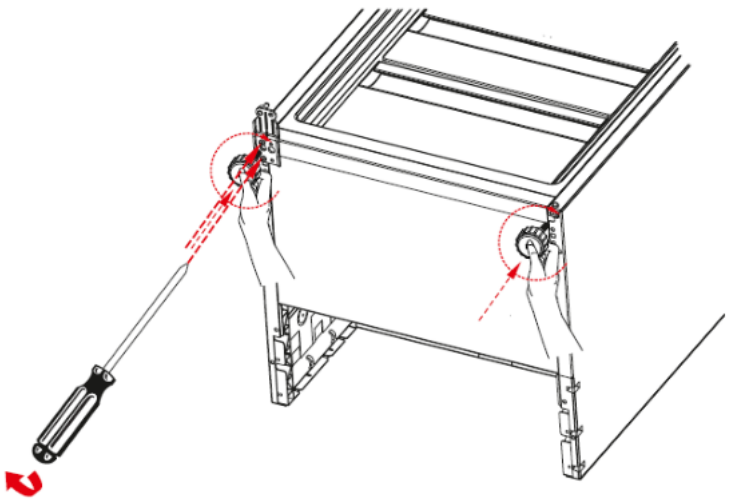
Picture-6

7. Unscrew the bottom hinge pin and screw it to other hole. (Pic-7)



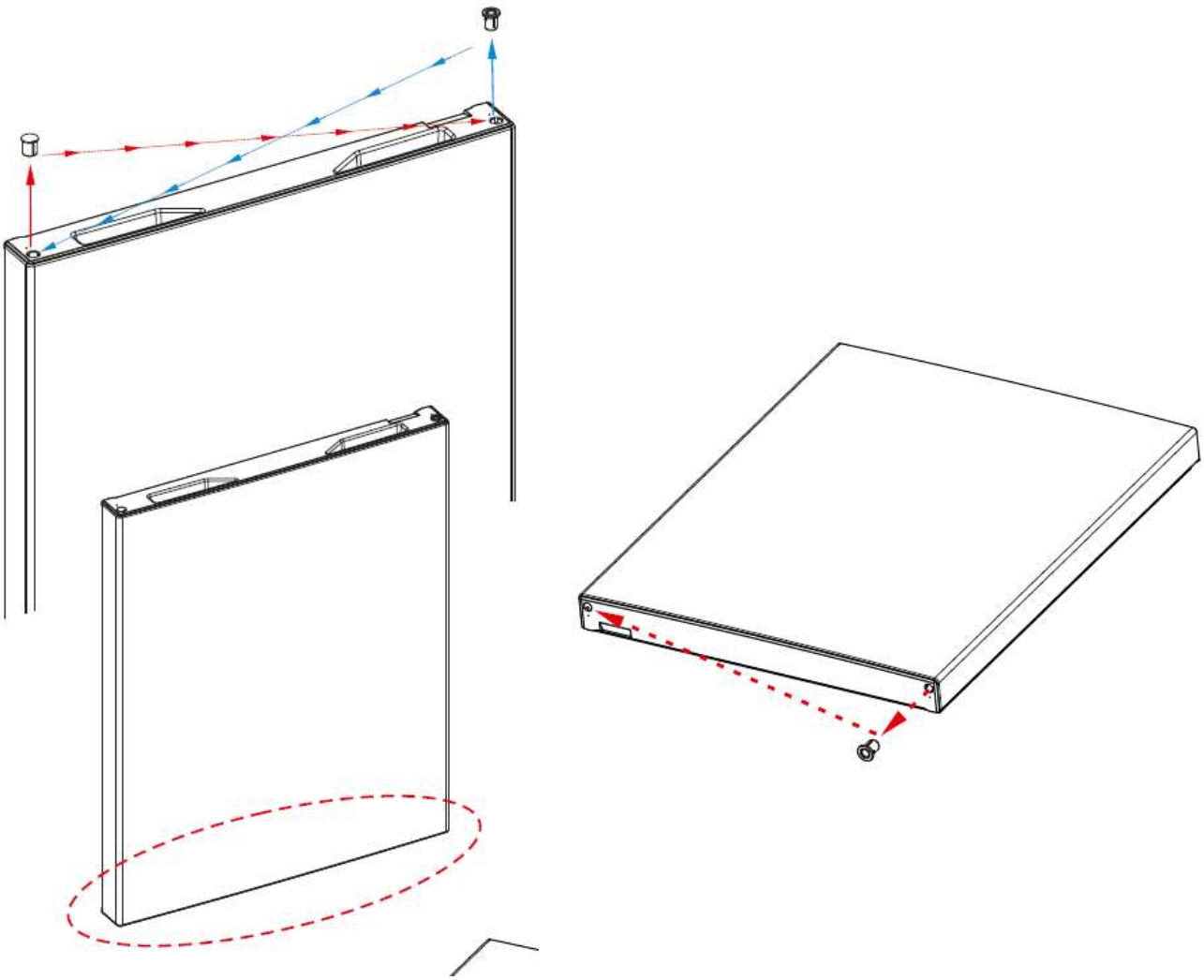
Picture-7

8. Screw the bottom hinge to the left bottom side of refrigerator. Screw the adjustable foot there. (Pic-8)



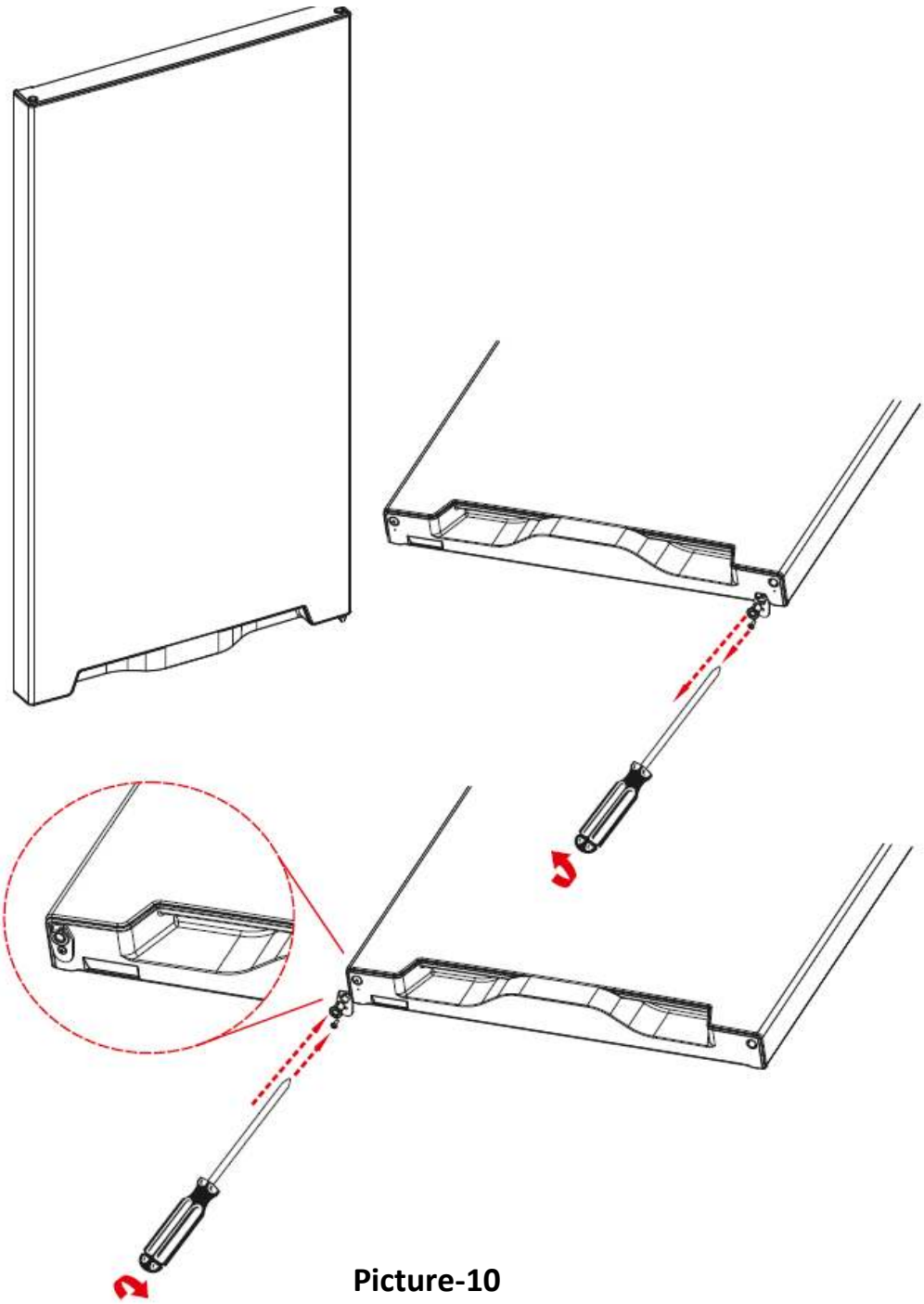
Picture-8

9. Replace the top bushing and the top bushing cap at the bottom door. (Pic-9)



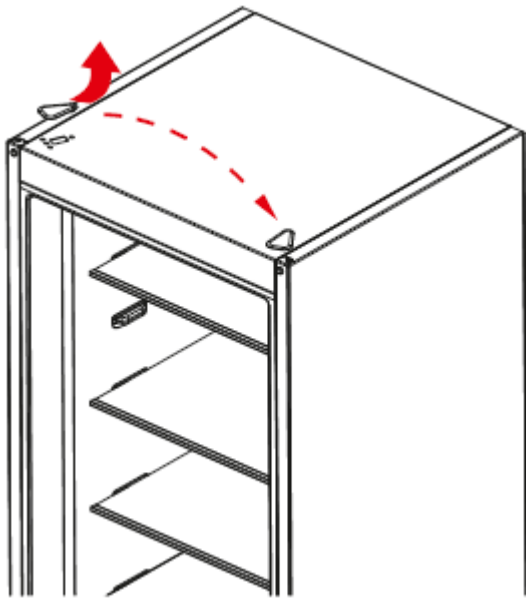
Picture-9

10. Remove the support plastic and then metal stopper placed under the upper door. (Picture-10) Then re screw these parts to the other side symmetrically.
(remember the screw for the metal part must be screwed to the hole which is closer to the bushing). Do not use cordless screwdriver for these screws.



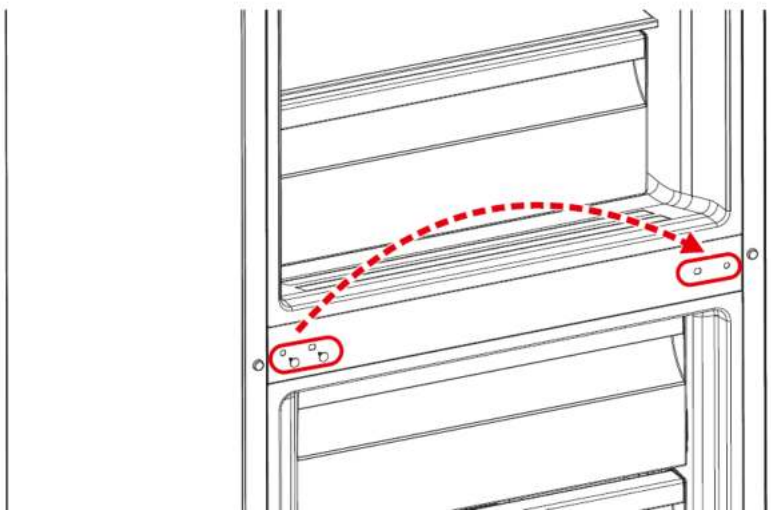
Picture-10

11. Remove the hinge cover on the top panel and replace to other side.(Pic-11)



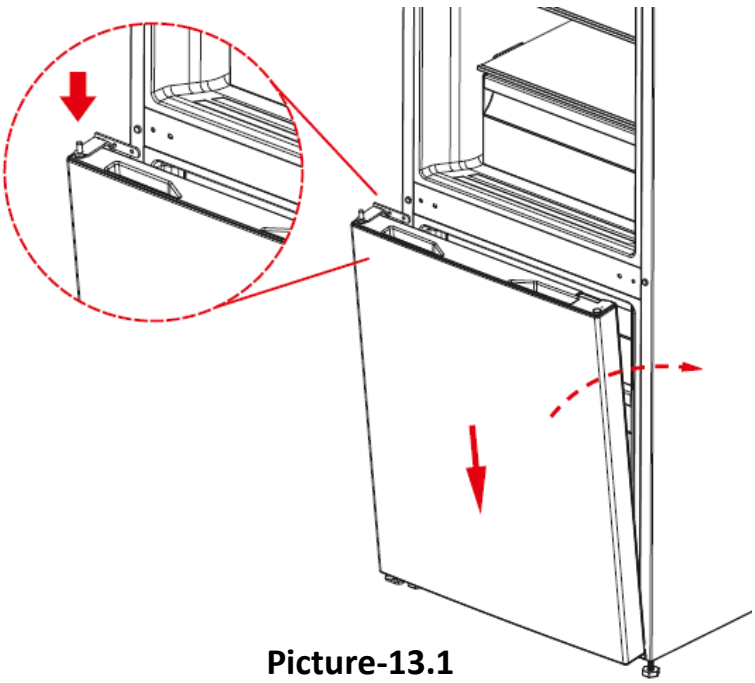
Picture-11

12. Remove the middle screw hole cover and assemble to the right side panel (Pic-12)

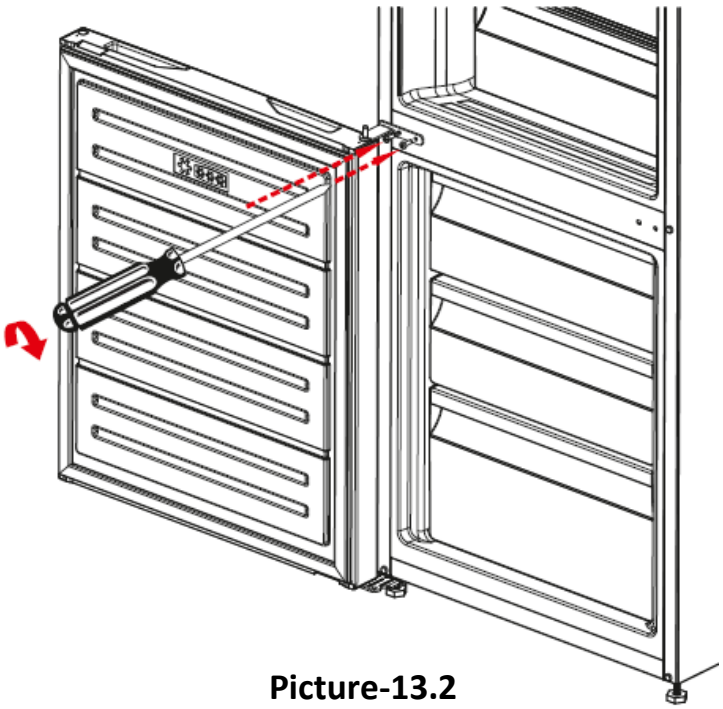


Picture-12

13. Place the bottom door (Pic-13.1) and rotate the middle hinge by 180º. After that, Screw to the right side on the middle sheet. (Pic-13.2)

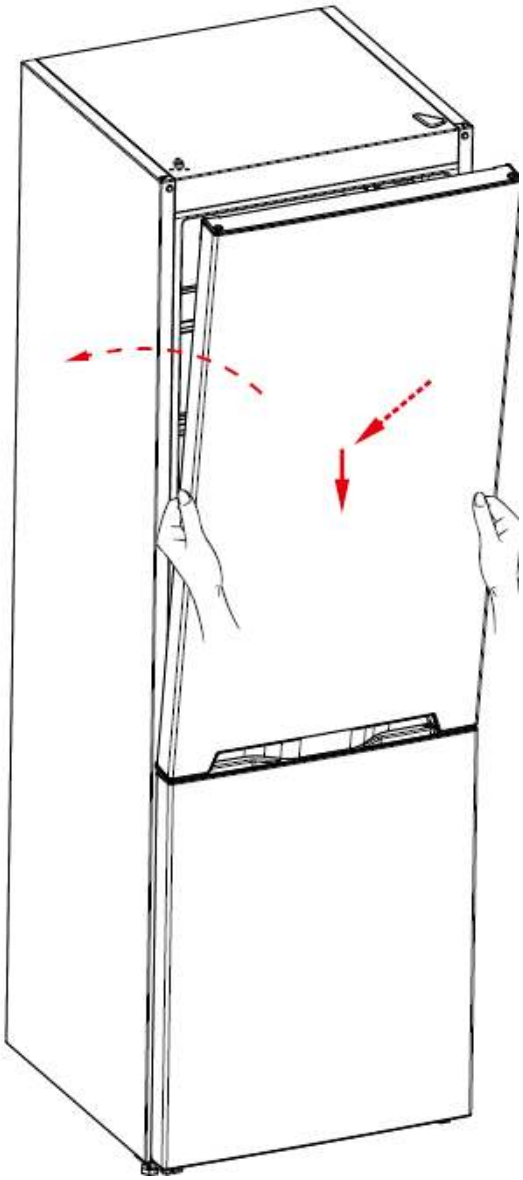


Picture-13.1

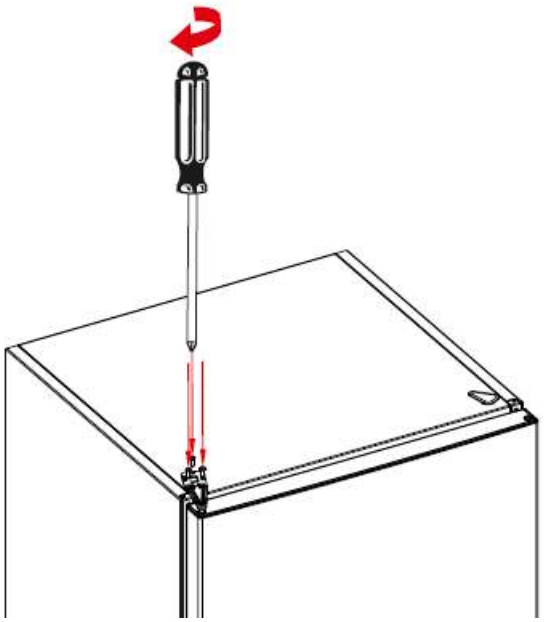


Picture-13.2

14. Place the top door to the middle hinge (Pic-14.1) and screw the top hinge to the top panel (Pic-14.2).

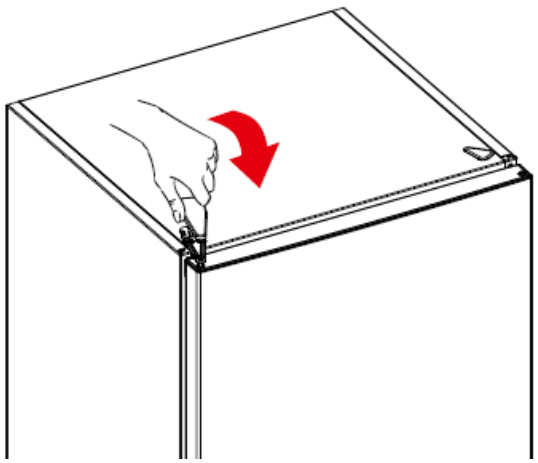


Picture-14.1



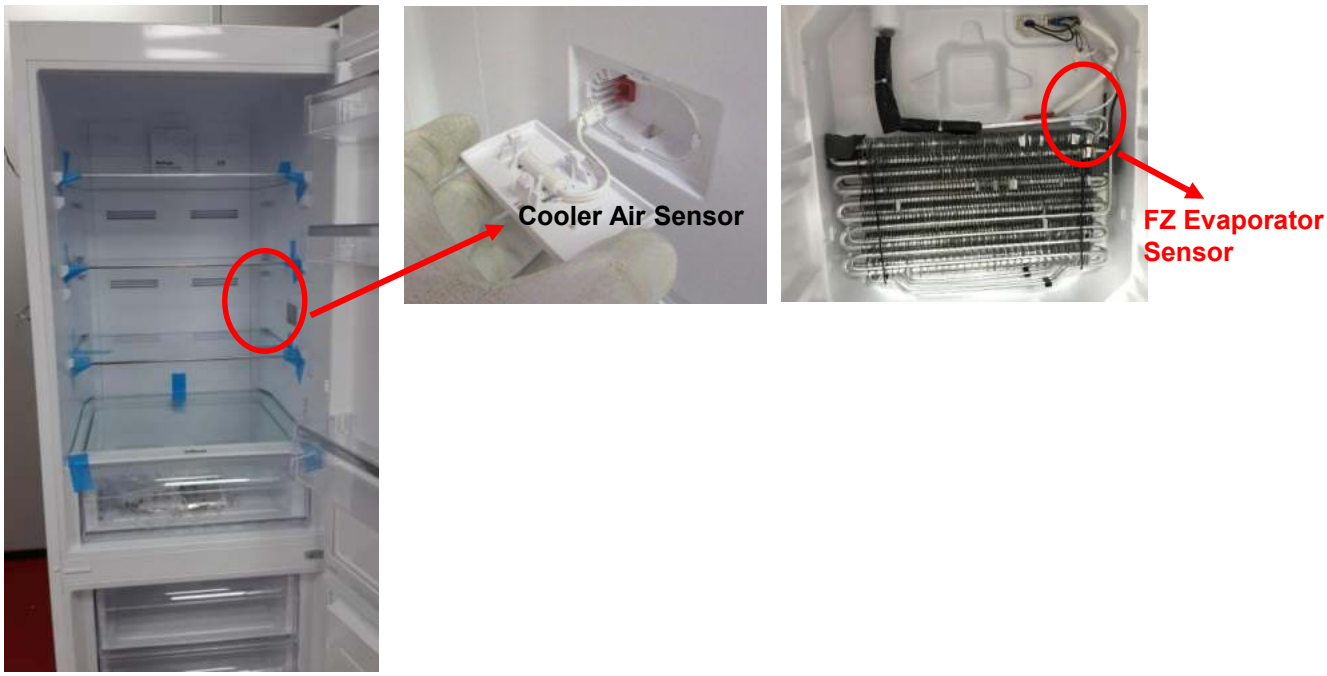
Picture-14.2

15. Place the top hinge cover. (Pic-15)

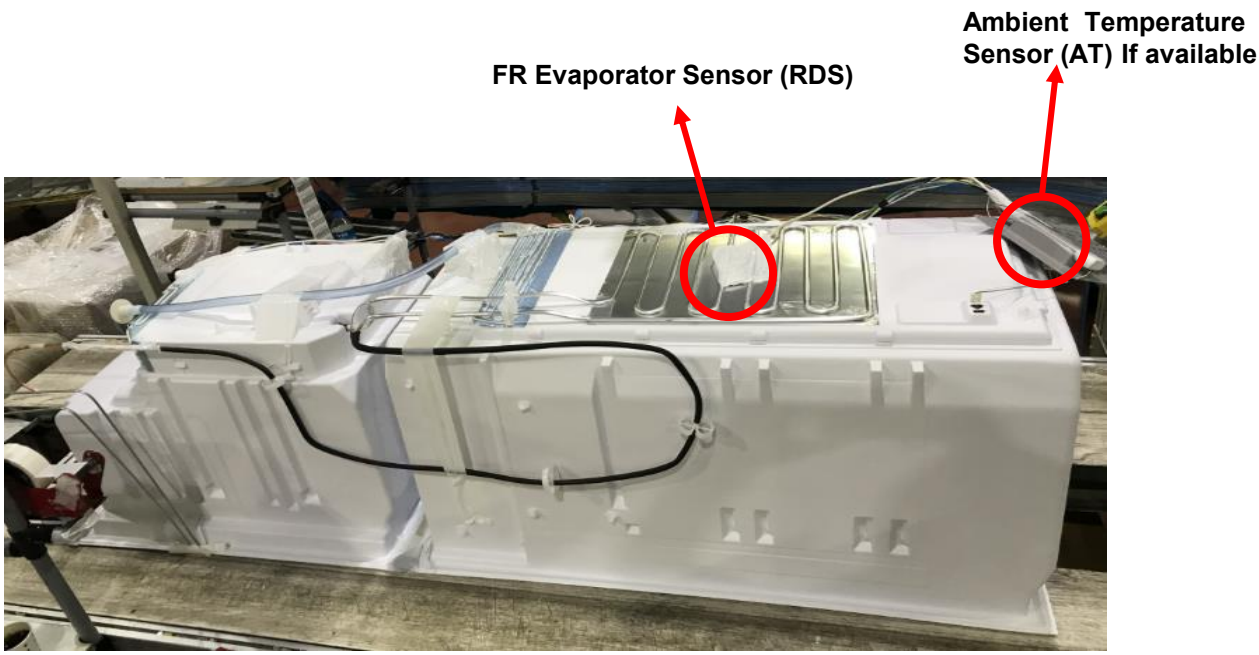


Picture-15

Cooler and defrost sensors are interchangeable.

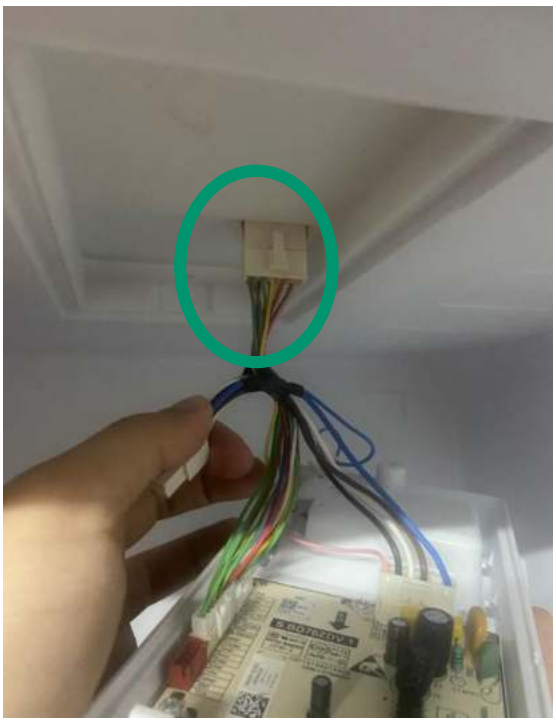


RDS and AT sensors which located at the foamed body, are not accessible components.



Unscrew the screw fixing the thermostat box.

Disconnect the connector after removing it.



Remove the cooler glass shelves and the chiller.

Remove the screw caps by using a flat screwdriver and screw the screws.

Flex the multi flow by holding the fan cover and remove it.

Note: Please remove the multi flow slowly. Fan cable can get damaged.

Disconnect the connector after removing the multi flow.

1.Remove the fan cover by flexing the fan cover detail and then remove the fan motor by flexing the fan motor rubbers. (Pic-1/ Pic-2/Pic-3)

Picture-1

Picture-2

Picture-3

2. Place the rubbers to the fan motor. After that, first place the bottom two details of the fan motor and place the top two details by pressing-flexing it. (Pic-4/ Pic-5/Pic-6)

Note : The fan motor cable outlet should be at the top-left corner of it.

3. After the connector is connected, place it by flexing it and then reassemble the multi flow by screwing.

Picture-4

Picture-5

Picture-6

1. Remove the sensor cover with the help of a screwdriver and then disconnect the sensor connector.

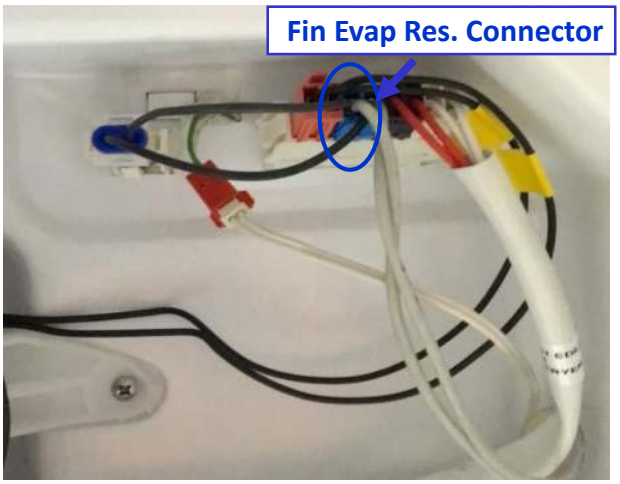
2. Place the bottom-front details of the cover to its housing and then place the top cover detail to the housing by flexing it with a screwdriver.

Removing The Freezer Multi Flow Group

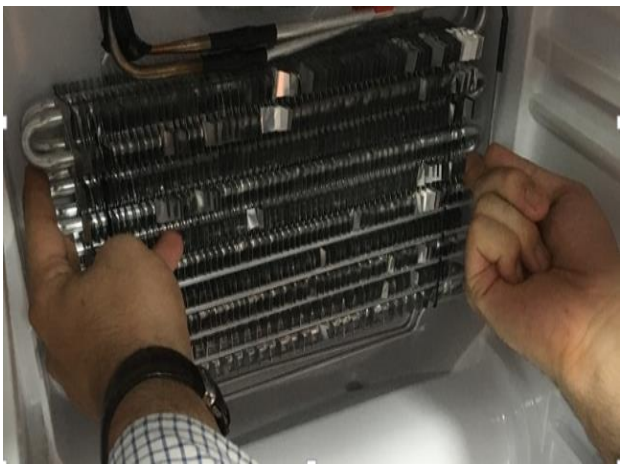
SOGEDIS ELECTROMENAGER

Displace the glass shelfs and baskets if there is.
Unscrew the screw fixing the multiflow group.
Removing the freezer bottom cover by flexing back side of it.
Remove the fan motor connector.

1.Remove the fin evaporator resistance connectors from the sockets.
(**blue** connector)



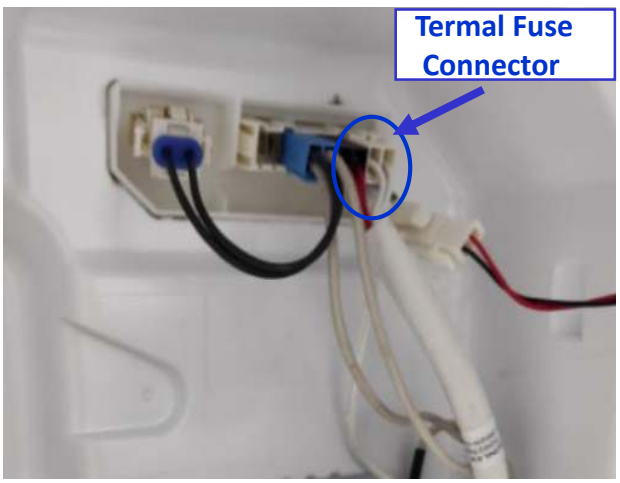
2. Displace the fin evaporator balanced by holding on both sides.



CAUTION: The fin evaporator should not be pulled upward-downward. Otherwise, the fin evaporator fixing plastics might be broken.

Removing The Thermal Fuse

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



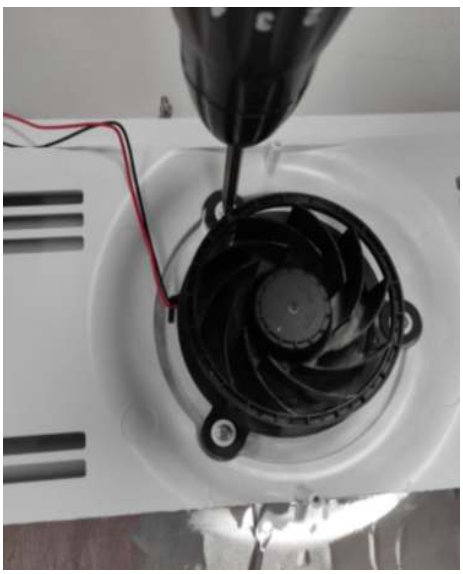
Picture-1

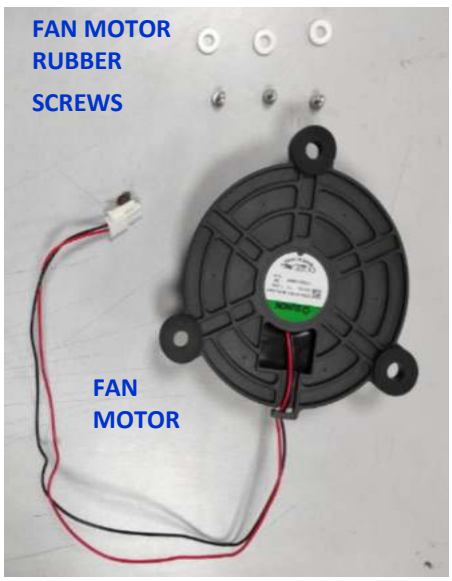
2. Thermal fuse has two details. These details hold on to the pipe.
It could be removed easily.

Picture-2

Unscrew the air multiflow plastic.
When removing the air duct plastic, pay attention to the connection of the fan socket cable.
Remove the fan motor connector. (White socket on the left)

Unscrew the fan cover plastic on the fan motor.
Unscrew the fan motor fixing screws and displace the fan motor.





SOGEDIS ELECTROMENAGER	**289 ELID** **Removing/Assembling The Door Switch**	SOGEDIS ELECTROMENAGER

1. Stick a tape to protect the body plastic. Flex it with the help of a tool like a slotted screwdriver. (Pic-1)

Picture-1

2. Also flex the top-side of the switch and then displace by pulling. (Pic-2)

Picture-2

3. Put the switch connector cable in the housing. First place the top-side of the switch and then push the bottom side.(Pic-3.1/Pic-3.2)

Picture-3.1

Picture-3.2

4. After the switch is placed, complete the assembly by pushing. (Pic-4)

Picture-4.1

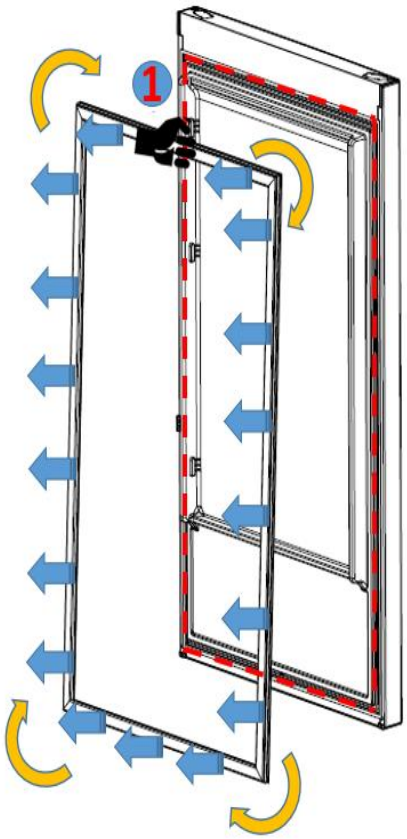
Picture-.43.2

CAUTION: The bottom-top details of the switch are different from each other to avoid assembling wrong!

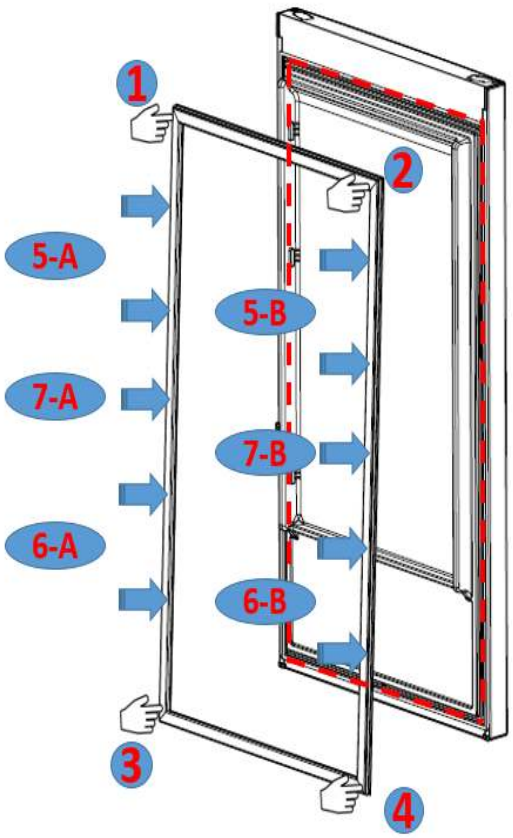
289 ELID

Removing- Assembling The Door Gasket

Pull the gasket towards starting from top right corner
Slowly pull the rest of the gasket.
Completely remove the gaskets from bottom and upper doors.



Check the replacement gasket form
Starting with upper right corner, press on the gasket until it fits to its place..
Place the other sides of the gasket with the help of your thumb



Please follow below order for pulling the gasket out to remove it properly

1→ 2 → 3 → 4 → 5A → 5B → 6A → 6B

SOGEDIS ELECTROMENAGER	**289 ELID** **Barcode and Serial Number Explanation:**	SOGEDIS ELECTROMENAGER

Vestel refrigerator serial numbers are consist of 22 digits.