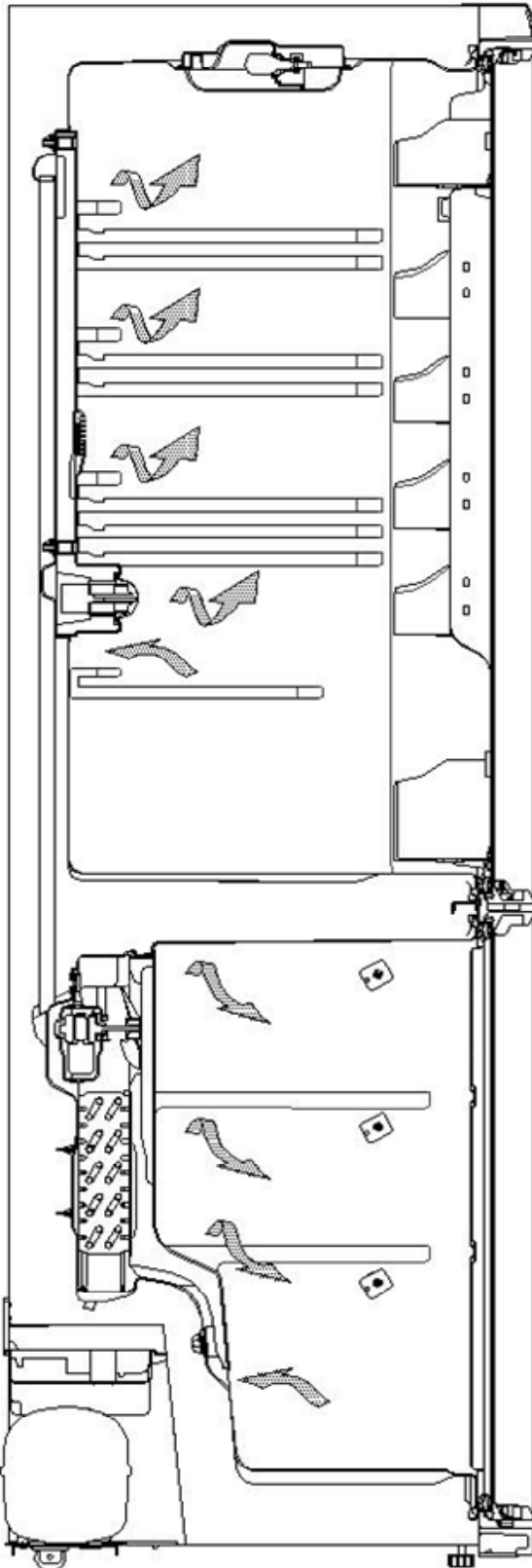


<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER          SUPPORT</b>
	<b>INFORMATION</b>	

**INFORMATION ON THE NO-FROST TECHNOLOGY**

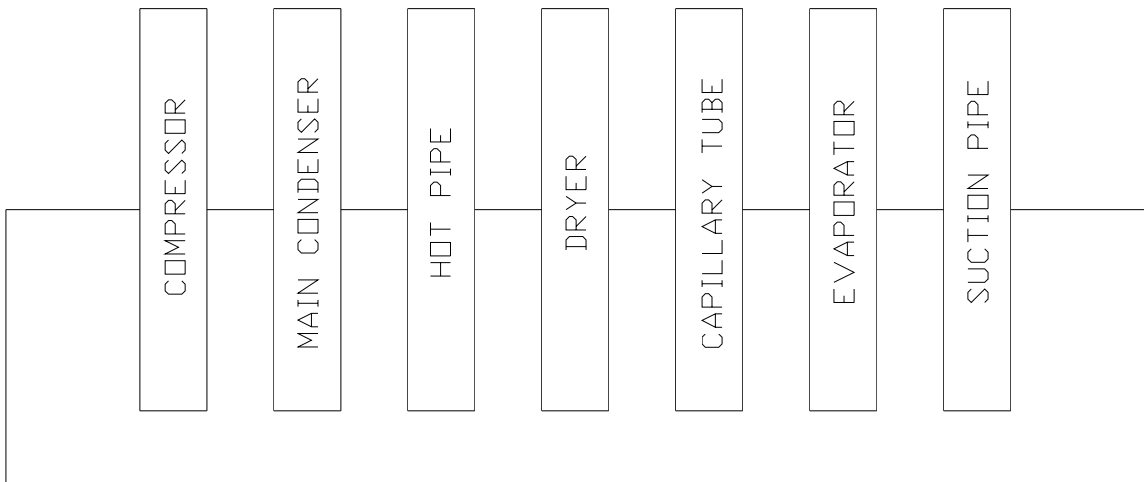
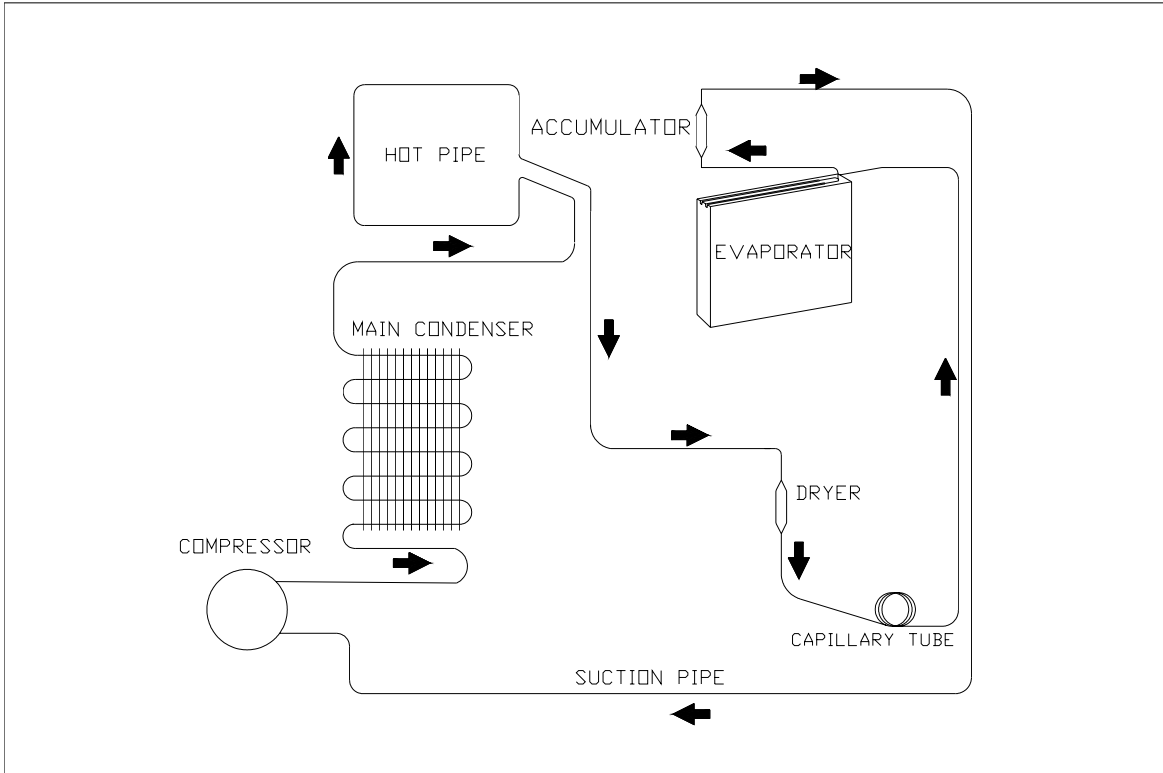


The No-Frost refrigerators are different from the other static refrigerators in terms of their operational system.

In normal refrigerators, in the freezing section, the humidity from the humid food entering the refrigerator during door swings causes frosting inside the freezing section. For melting the snow and frost that have been formed, it is necessary to carry out processes such as powering off the refrigerator, taking out the food that needs to be kept cold during this process, removing the accumulated frost.

As for the case in no frost refrigerators, it is entirely different. The dry and cold room is blown homogeneously at many points to the cooling and freezing sections by means of the fan. The cold air that is distributed homogeneously even in the inter-spaces among shelves not only makes sure that all your food is cooled equally and properly, but it also does not allow for humidification and frosting.

<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER SUPPORT</b>
	<b>REFRIGERANT CYCLE DIAGRAM</b>	



<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER          SUPPORT</b>
	<b>MAIN COMPONENTS</b>	

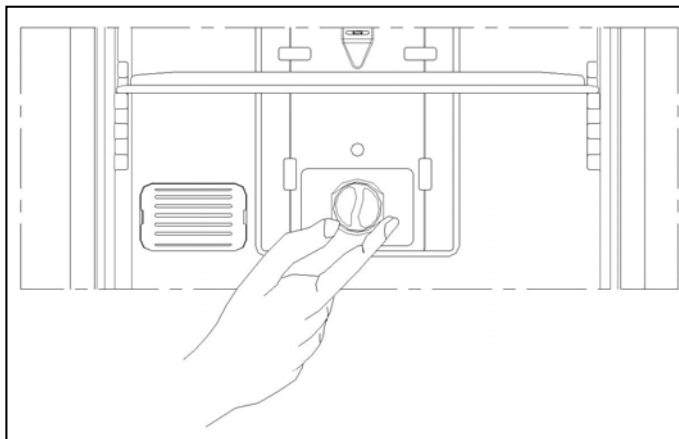
**TIMER :**

It is located at the rearside of the appliance (right upper side)

**Main function of timer :** Perform one cycle (360°) in 12 hours. (that is the accumulated working hours of the compressor) at the end of the one cycle of timer, defrost begins.

**REFRIGERATOR THERMOSTAT:**

It ensures that the temperature settings in the cooling and freezing compartments of your refrigerator be performed automatically. It may be set to any value ranging from the values 1 to 6. As you turn the thermostat setting knob from 1 to 6, the cooling degree rises.



**FIN EVAP HEATER (124W) :**

It is placed in the holes on the fin evaporator.

**Function :** To melt the ice formed on the fin evaporator.

**BI-METAL THERMOSTAT :**

It is located on the accumulator.

**Function :** Main function is to switch off the defrost heater after the bi-metal temperature reaches to 8 °C on the accumulator during the defrost period.

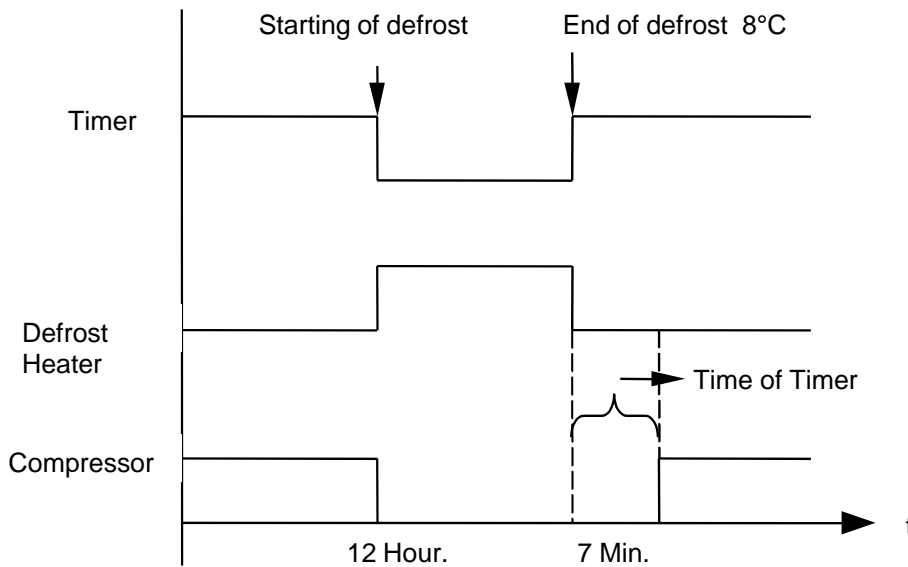
**THERMAL FUSE :**

It is an additional protection. If the bi-metal thermostat does not switch-off the fin evap heater, the thermal fuse will blow off (76°C). In this case, all functions will stop.

<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER SUPPORT</b>
	<b>MAIN COMPONENTS</b>	

**WORKING PRINCIPLE OF TIMER:**

- \* Position of timer is 3-4 when the first plug on. (see wire diagram)  
In this case, timer motor, evaporator fan motor and compressor will be run together.
- \* Perform one cycle (360°) in 12 hours. (that is the accumulated working hours of the compressor) at the end of the cycle, timer change its position from 3-4 to 3-2 and defrost operation begins. At this position, AI tube heater(124W) and drain tray heater are energized until the evaporator temperature reach to 8°C (the timer motor will stop).



**TIME CHART**

When the bi-metal thermostat reaches to 8°C, it will switch off the defrost heaters and the timer motor will start to run again. After 7 minutes, the product will start cooling.

**Note that:**

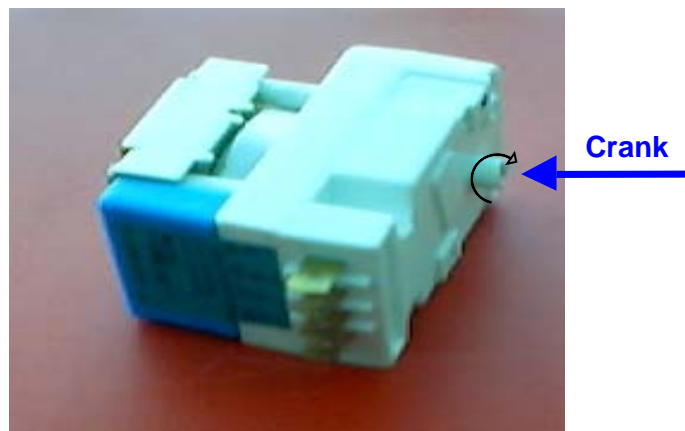
If the bi-metal thermostat is get broken or short circuit then the defrost operation will not be stopped although the freezer temperature reaches to 8 °C. So defrost heaters continue to run. To prevent overheating, thermal fuse will be blow when the temperature reached to 76 °C inside the evaporator section. If the thermal fuse blow off, the refrigerator will stop all the functions(the compressor will not run and the defrost heaters will not heat). In this case, thermal fuse and bi-metal thermostat must be changed with a new one. You can check the function of bi-metal thermostat.

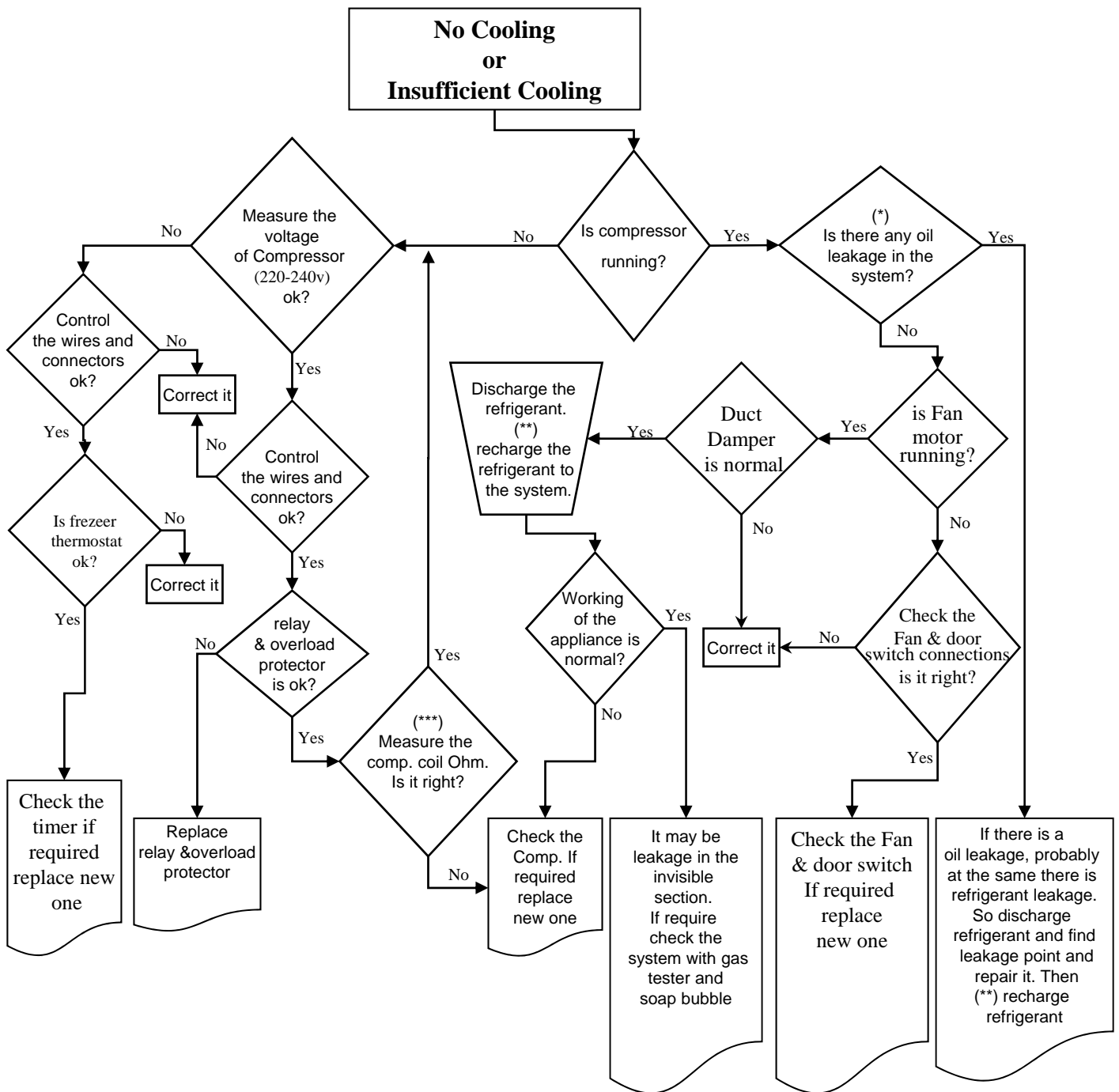
At the end of the defrost operation, position of timer contact is still on 3-2 and keeps this position 7.5 minutes to drain water from the evaporator completely. After 7.5 minutes, timer contact will change it's position from 3-2 to 3-4.

<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER SUPPORT</b>
	<b>MAIN COMPONENTS</b>	

**MANUAL DEFROST:**

If you turn the timer knob by manually, you can hear two crack sounds.  
First crack sound change the timer position from 3-4 to 3-2 (Defrost operation begins).  
Second crack sound change the timer position after 7 minutes from 3-2 to 3-4.  
(Stop the defrost, compressor run).





(\*) Check all of the visible pipes and welding points against oil leakage  
 (\*\*) Before recharging the refrigerant to the system; Dryer must be replaced and at least 30 minutes vacuum must be done  
 (\*\*\*) Comp. Main coil and auxiliary coil are 10 Ω and 15 Ω respectively (At 25 °C ambient temp.)

<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER SUPPORT</b>
	<b>CHANGING THE DOORWAY DIRECTION</b>	

1- Unscrew the two screws which are fixing the middle hinge. (Fig-1)



Figure-1

2- Dismantle the refrigerator and freezer door from cabinet by pulling towards to you together with the middle hinge. (FIG-2)



Figure-2

3- Remove the kick plate by pulling forward. (Fig-3)



Figure-3

4- Unscrew the bottom hinge fixing screws and remove it. (Fig-4)



Figure-4

5- Unscrew the pin of hinge from Hole 1, rotate the bottom hinge 90° and screw the pin to Hole 2. (Fig-5)

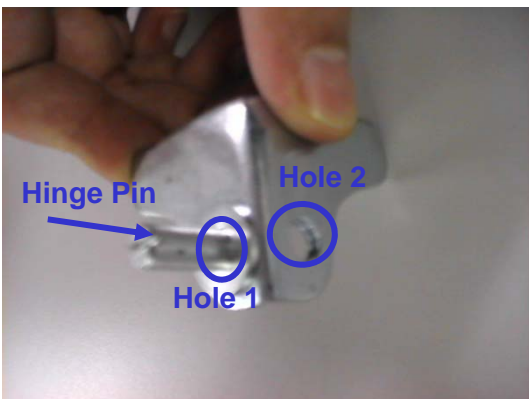


Figure-5

6- Then screw the hinge to bottom left side of refrigerator. (Fig-6)



Figure-6

<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER SUPPORT</b>
	<b>CHANGING THE DOORWAY DIRECTION</b>	

7. Remove the caps on the left. (Fig-7)



Figure-7

8- Insert the caps to the right side. (Fig-9) (You can find the new caps in the user manual bag)

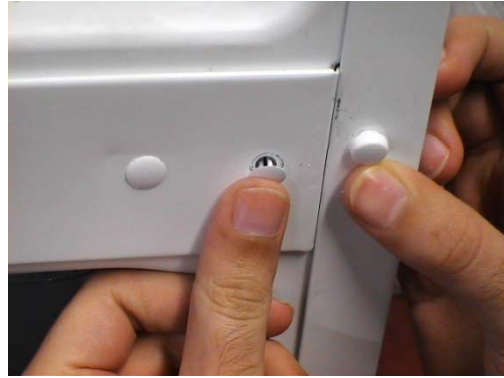


Figure-8

9- Unscrew the pin of the right top hinge (Fig-9)



Figure-9

10- Then by using a knife cut the left side of the head panel. (Fig-10)



Figure-10

11- Screw the pin of the left top hinge. (Fig-11)



Figure-11

<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER SUPPORT</b>
	<b>CHANGING THE DOORWAY DIRECTION</b>	

**12-** Replace the freezer door top bushing (Fig-12.1) and top bushing cap. (Fig-12.2)  
 (You can find the new bushing cap in the user manual bag)



Figure-12.1

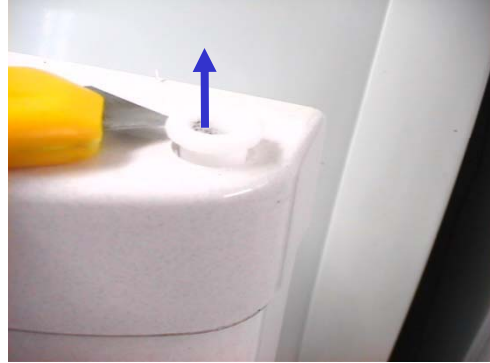


Figure-12.2

**13-** Remove the freezer door bottom bushing and bottom stopper and then insert them the left side. (Fig-13)

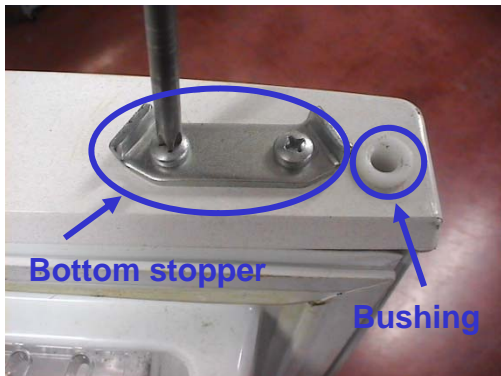


Figure-13

**14-** Remove the freezer door top bushing and insert it into left hole. (Fig-14)



Figure-14

**15-** Remove the right door catcher (Fig-15.1) and assemble the left door catcher to the left. (Fig-15.2) (You can find the left door catcher in the user manual bag)



Figure-15.1

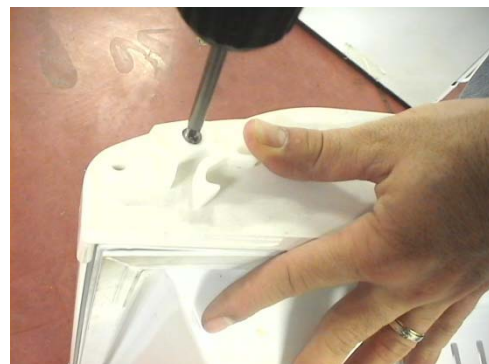


Figure-15.2

<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER SUPPORT</b>
	<b>CHANGING THE DOORWAY DIRECTION</b>	

**16-** Turn the middle hinge 180°. Assemble the freezer door and refrigerator door together with middle hinge (Reverse operation of item 2) Fix the middle hinge by tightening the screws. (Fig-16)



Figure-19

**17-** Finally,by using a knife cut left side of the kick plate and assemble it. (Fig-17)

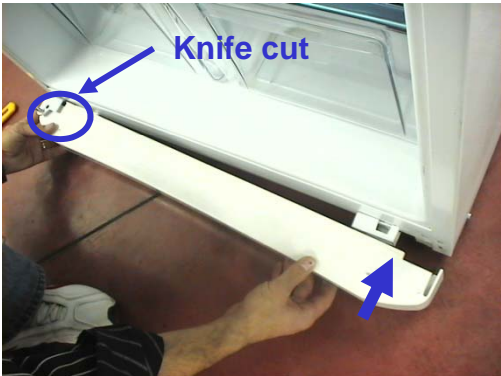


Figure-17

<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER SUPPORT</b>
	<b>FREEZER COMPARTMENT</b>	

**Replacement of Freezer Multiflow Cover**

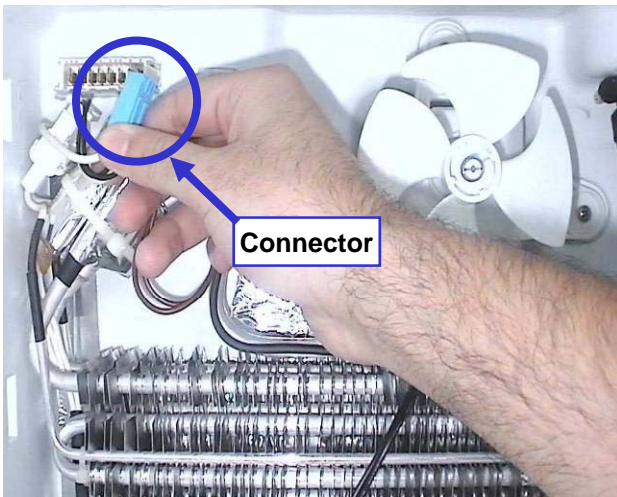


Remove two caps and unscrew the two screws.



Then pulling multiflow cover to the bottom and remove it.

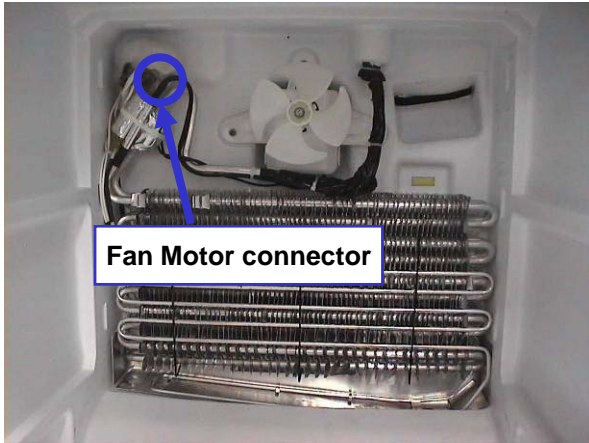
**Replacement of Evaporator**



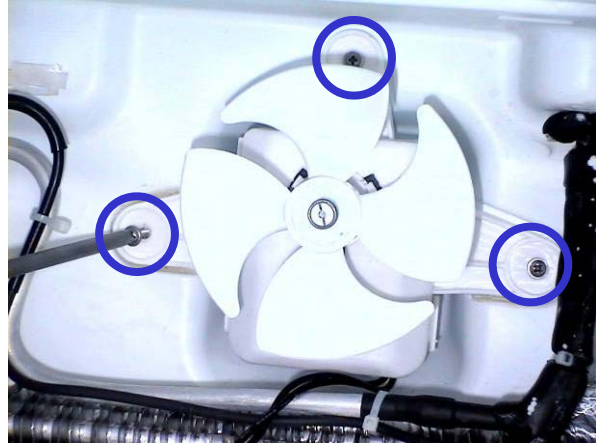
Disconnect to evaporator connector. **(blue connector)** Remove the evaporator by pulling forward in a horizontal direction. Do not push it up or down. You may break the fixing plastics.

<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER          SUPPORT</b>
	<b>FREEZER COMPARTMENT</b>	

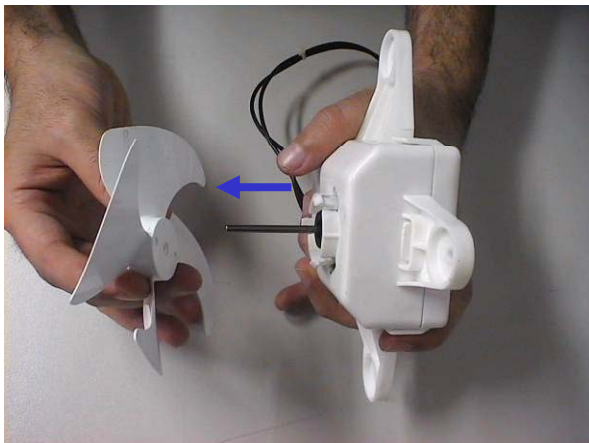
### Replacement of Freezer Fan Motor



**1) Disconnect the fan motor connector. (pink connector)**



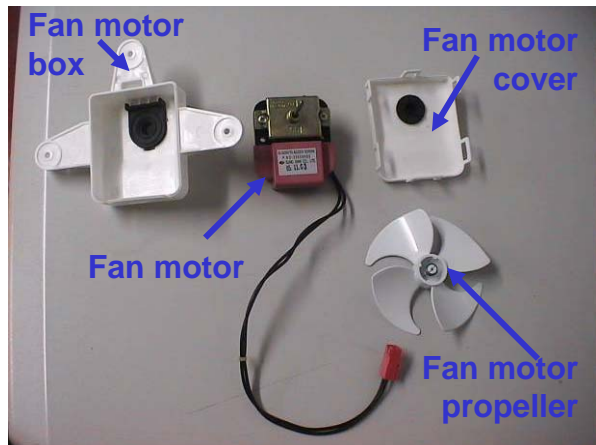
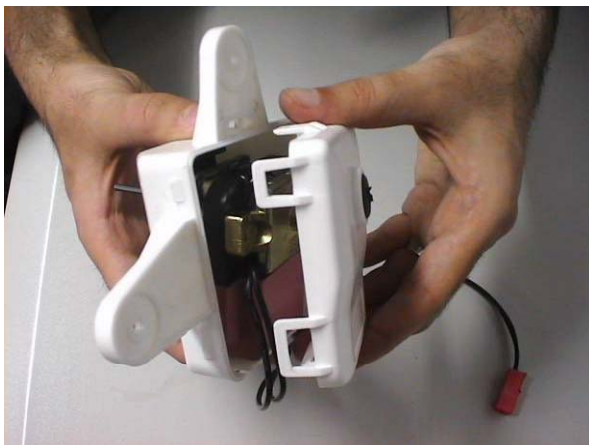
**2) Unscrew the three screws which are fixing the fan motor box and remove it .**



**3) Remove the propeller by pulling forward.**

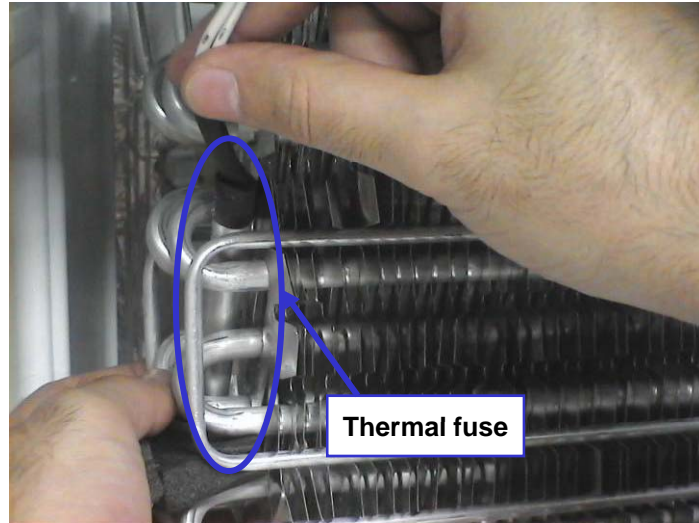
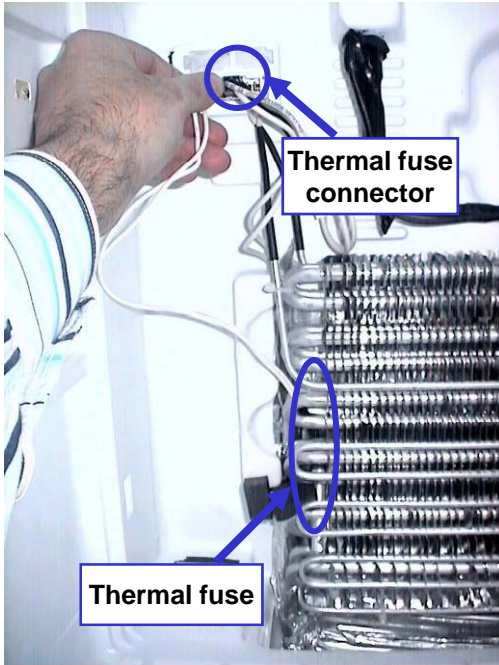


**4) Remove the fan motor cover by pushing the nail with a screwdriver.**



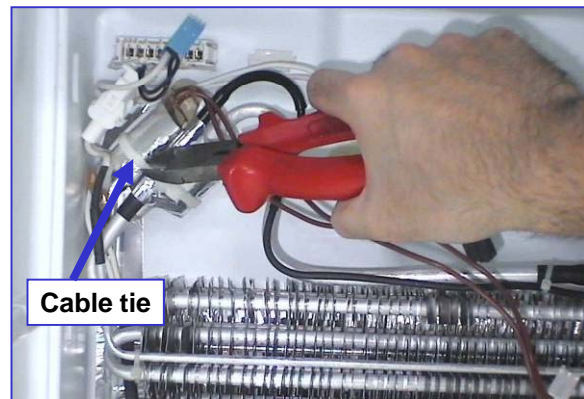
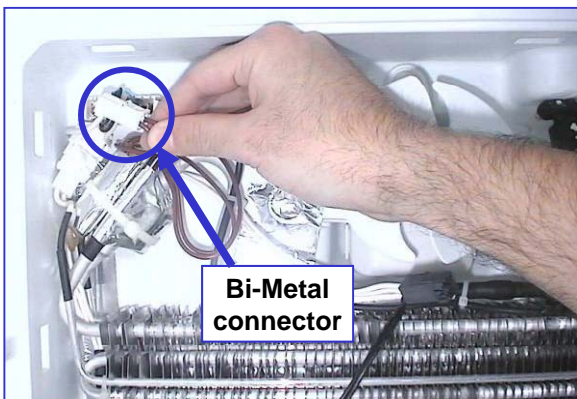
<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER          SUPPORT</b>
	<b>FREEZER COMPARTMENT</b>	

### Replacement of Thermal Fuse Assy.



Disconnect to thermal fuse connector. **(black connector)**  
 Remove the thermal fuse by pulling which mounted on the left side of the evaporator. Take out the thermal fuse.

### Replacement of Bi-Metal Thermostat



Disconnect to bi-metal thermostat connector. **(white connector)**

Cut off the cable tie and take out the bi-metal thermostat.

<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER          SUPPORT</b>
	<b>REFRIGERATOR COMPARTMENT</b>	

**Replacement of Refrigerator Lamp**



Remove the refrigerator lamp cover by pulling forward.



Loosen the lamp and replace it.

**Replacement of Refrigerator Thermostat Knob**



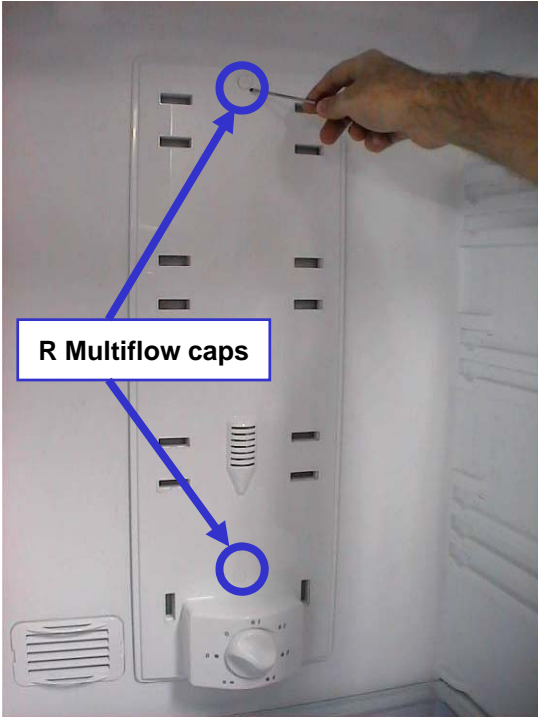
Slightly pull the thermostat knob towards you.



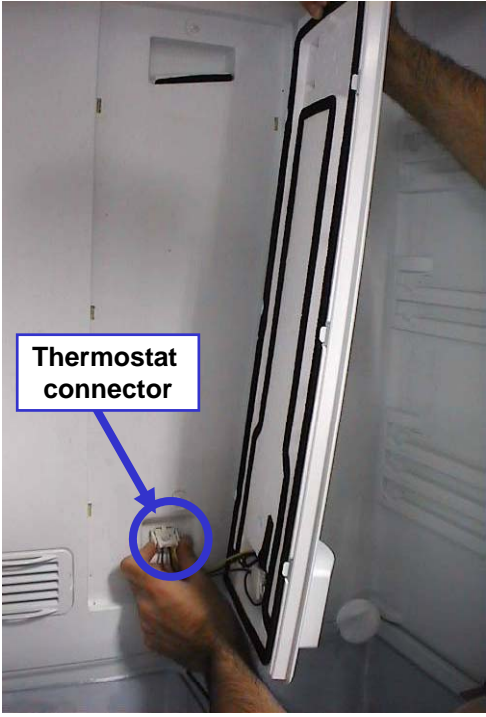
When removing the thermostat knob, be careful not to damage the sponge which is prevent leakage. So if it is damaged, replace with a new one.

<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER          SUPPORT</b>
	<b>REFRIGERATOR COMPARTMENT</b>	

**Replacement of Refrigerator Multiflow**



Remove two refrigerator multiflow caps and unscrew the two screws.



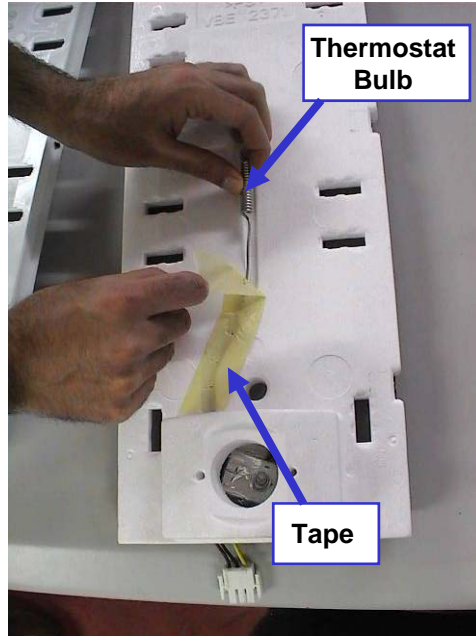
Remove the multiflow cover and multiflow insulation and disconnect to connector.

<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER          SUPPORT</b>
	<b>REFRIGERATOR COMPARTMENT</b>	

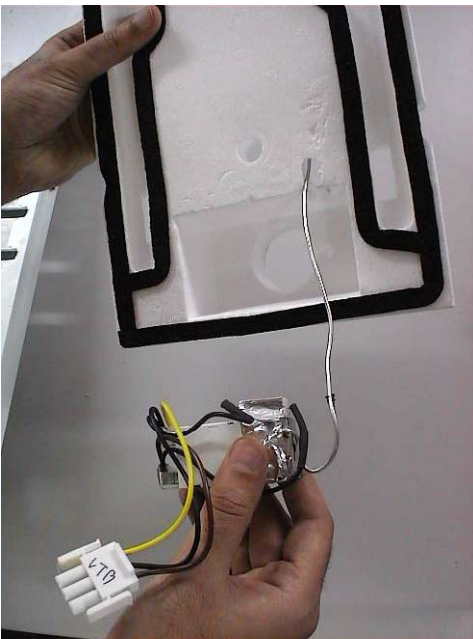
**Replacement of Refrigerator Thermostat**



Remove the thermostat nut.



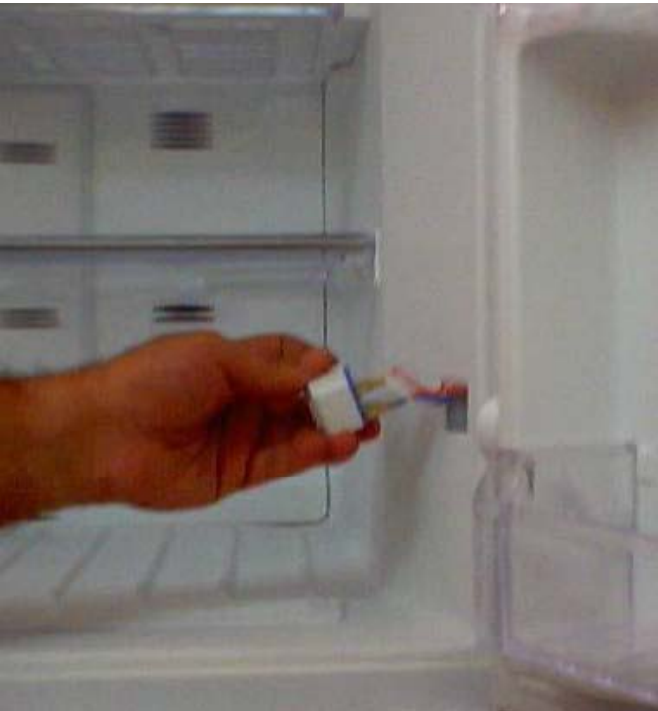
Remove the tape which is fixing the thermostat bulb. Then take out the thermostat by pulling forward.



<b>VESTEL</b> WHITE GOODS	<b>NO-FROST</b>	<b>CUSTOMER SUPPORT</b>
	<b>REPLACEMENT OF DOOR SWITCH</b>	



Insert a screwdriver into the gap and pull the door switch.



Disconnect the connectors. And remove the door switch.