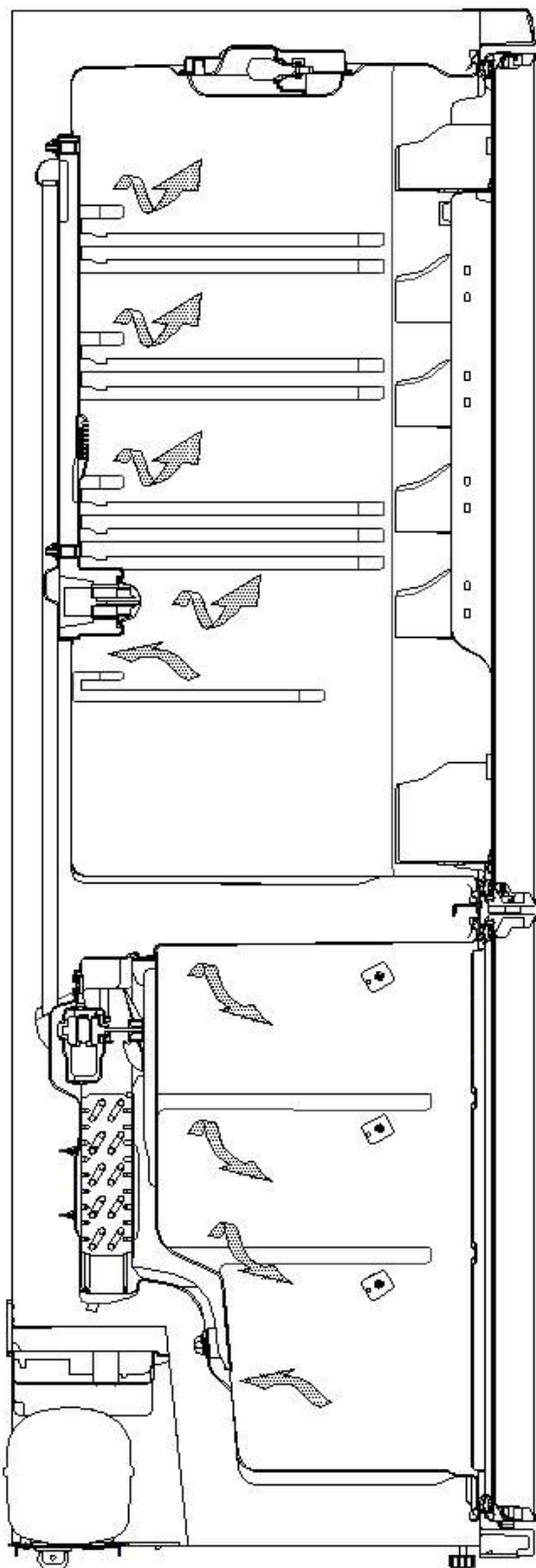
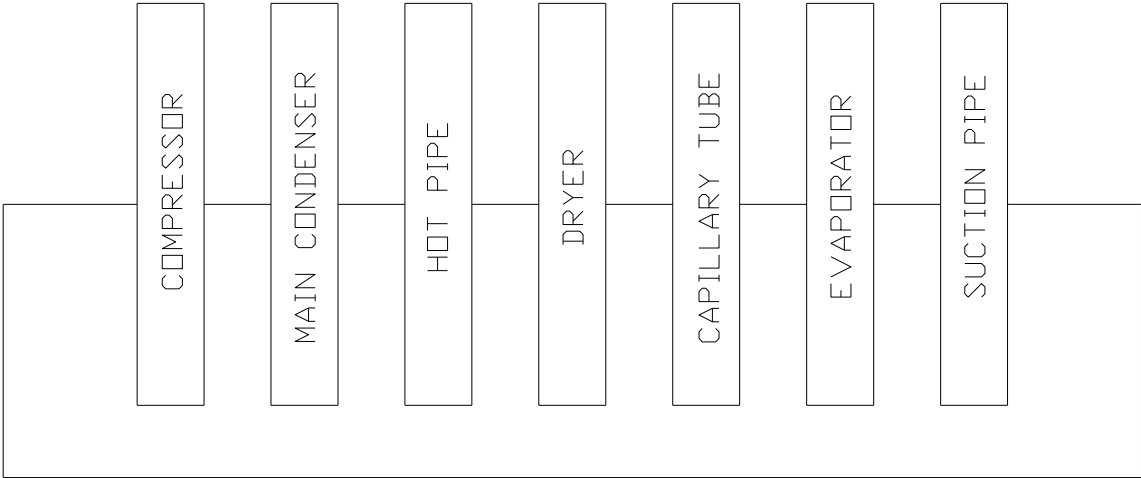
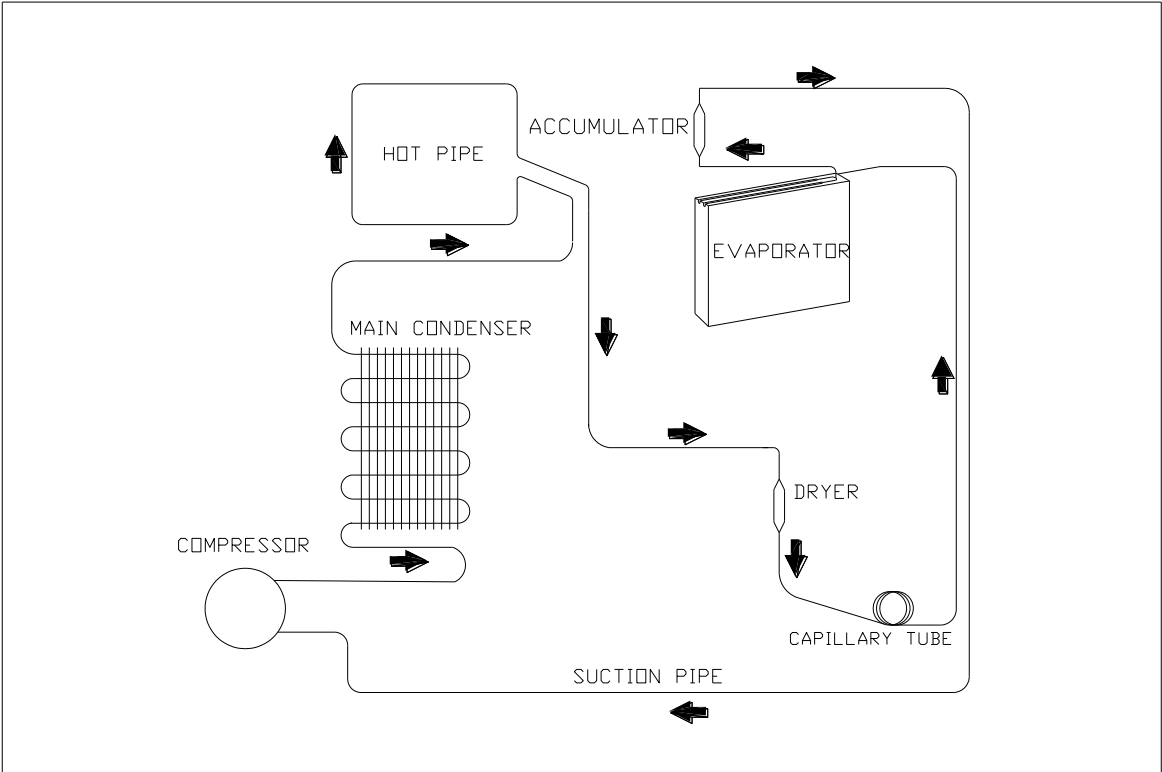


**INFORMATION ON THE NO-FROST TECHNOLOGY**

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-COMBI 366-MECHANIC</b>	<b>CUSTOMER SUPPORT</b>
	<b>MAIN COMPONENTS</b>	

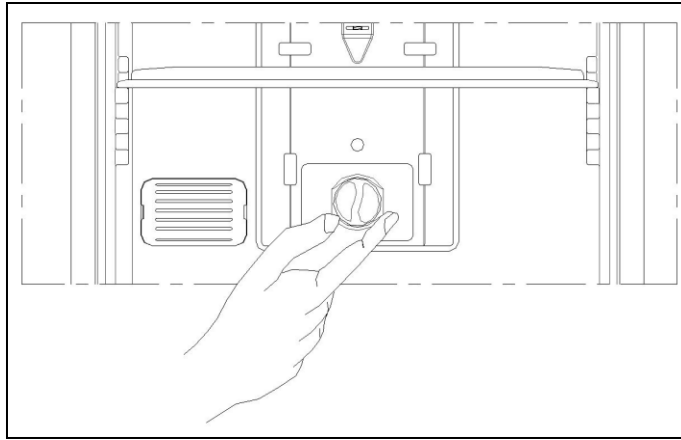
### **TIMER :**

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.

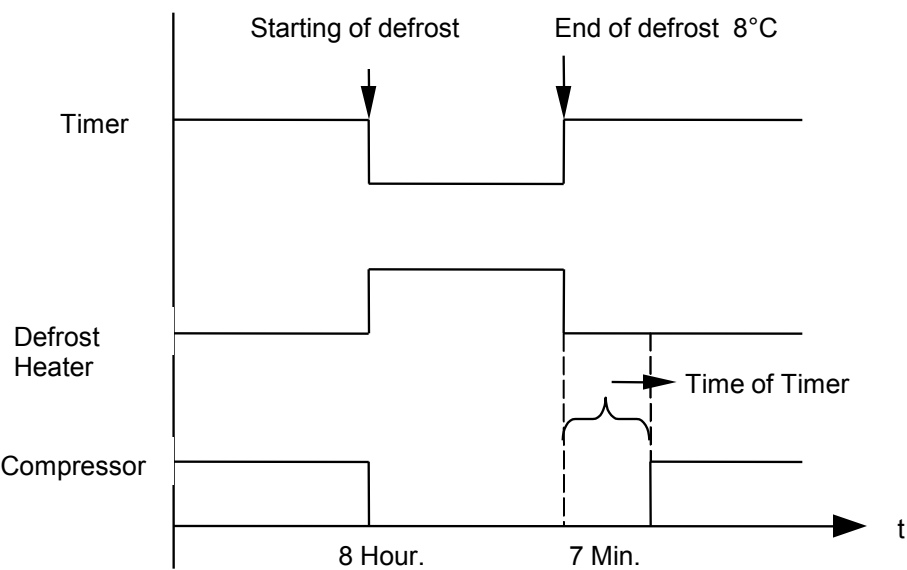
### **THERMAL FUSE :**

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-COMBI 366-MECHANIC</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:**

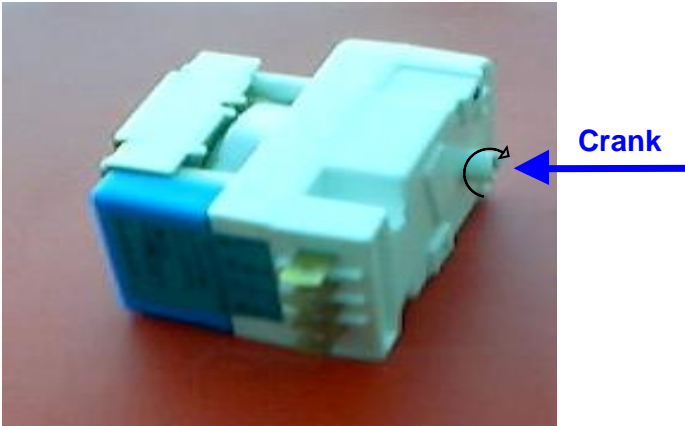
If the bi-metal thermostat is get broken or short circuit then the defrost operation will not be stopped although the frezeer temperature reaches to 8 °C. So defrost heaters continue to run. To prevent overheating, thermal fuse will be blow when the temperature reached to 76 °C inside the evaporator 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.

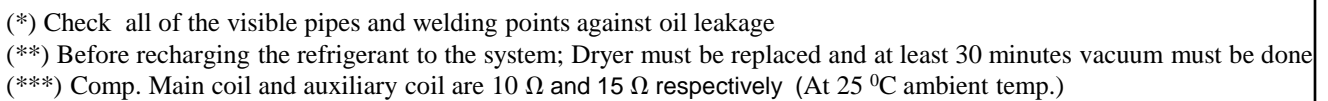
At the end of the defrost operation, position of timer contact is still on 3-2 and keeps this position 7.5 minutes to drain water from the evaporator completely. After 7.5 minutes, timer contact will change it's position from 3-2 to 3-4.

<b>VESTEL</b> WHITE GOODS	<b>NO FROST-COMBI 366-MECHANIC</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).





**1-** Unscrew the two screws fixing the top hinge and remove it. (Fig-1)



Figure-1

**2-** Remove the refrigerator door. (Fig-2)



Figure-2

**3-** Unscrew the two screws which are fixing the middle hinge. (Fig-3)



Figure-3

**4-** Remove the freezer door. (Fig-4)



Figure-4

**5-** Unscrew the bottom hinge fixing screws and remove it. (Fig-5)



Figure-5

**6-** Unscrew the stationary foot of bottom hinge and screw to Hole-1. Unscrew the hinge pin and screw the pin to Hole 2. (Fig-6)

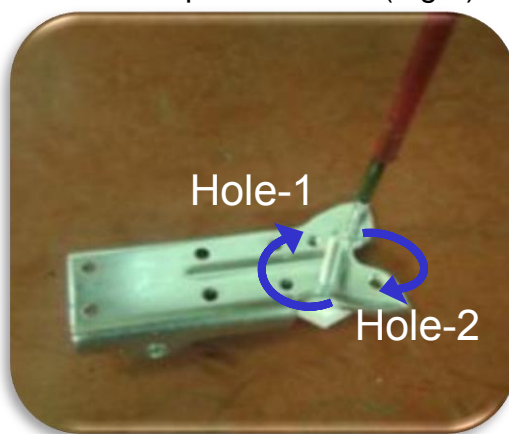


Figure-6



**7-** Unscrew the stationary foot and front wheel (Fig-7.1) and screw the right side. (Fig-7.2)



Figure-7.1

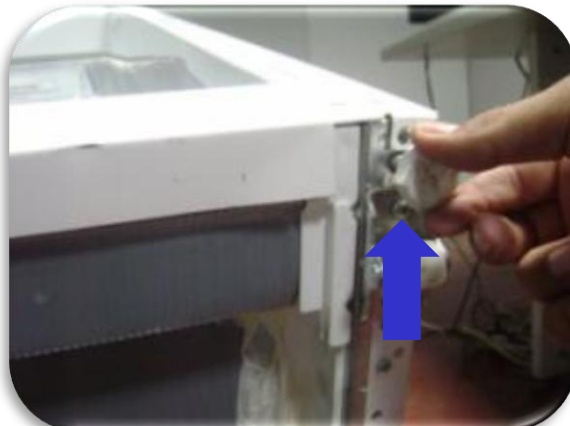


Figure-7.2

**8-** Screw the bottom hinge to the left side . (Fig-8)



Figure-8

**9-** Remove the two big caps on the left. (Fig-9.1) Insert the two big caps to the right side. (Fig-9.2)  
(You can find the new caps in the user manuel bag)



Figure-9.1



Figure-9.2



**10-** Replace the freezer door top bushing (Fig-10.1) and top bushing cap. (Fig-10.2)



Figure-10.1

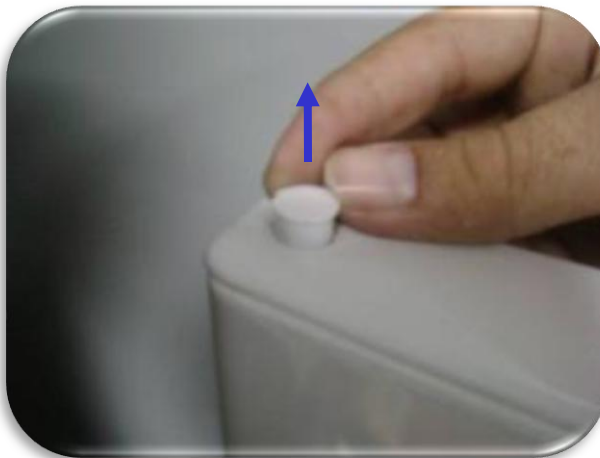


Figure-10.2

**11-** Remove the freezer door bottom bushing and bottom stopper and then insert them the left side. (Fig-11)

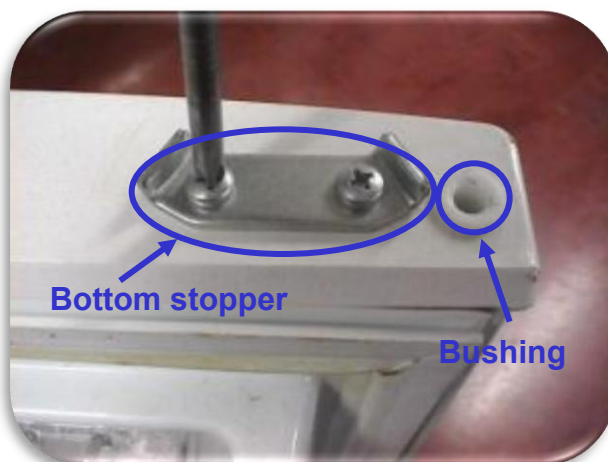


Figure-11

**12.** Remove the freezer door right catcher (Fig-12.1) and assemble the left catcher to the left. (Fig-12.2) (You can find the left door catcher in the user manual bag)



Figure-12.1



Figure-12.2

**13.** Assemble the freezer door. Turn the middle hinge by 180°. Fix the middle hinge by tightening the screws. (Fig-13.1) Assemble the refrigerator door. (Fig-13.2)



Figure-12.1



Figure-12.2

**14-** Remove the top hinge screw left cap on the left side. (Fig-14.1) Then insert the top hinge screw right cap to the right side. (14.2) You can find the top hinge screw right cap in the user manuel bag.



Figure-14.1



Figure-14.2

**15-** Unscrew the pin of the top hinge. Turn the hinge by 180° then screw it to the left side hinge holes. Screw the pin of the top hinge. Assemble the top hinge to the left side. (Fig-15)



Figure-15

<b>VESTEL</b> WHITE GOODS	<b>NO FROST-COMBI 366-MECHANIC</b>	<b>CUSTOMER SUPPORT</b>
	<b>FREEZER COMPARTMENT</b>	

## Replacement the ice cube tray holders

1- Remove the ice cube trays.



2- Unscrew the 4 screws fixing the holders.



3- Take out the holders by pulling downwards.



## Replacement of Freezer Sensor

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



### Replacement of Freezer Multiflow Cover

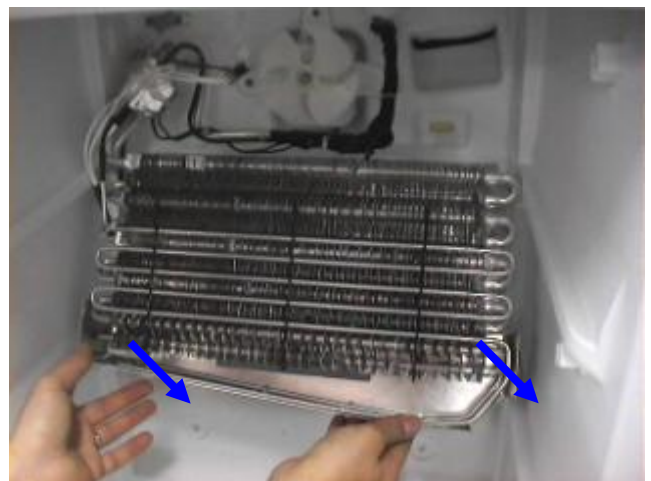
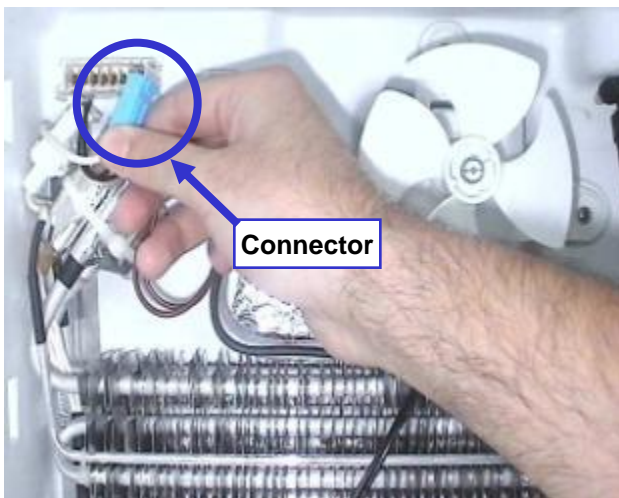


Remove two caps and unscrew the two screws.



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 broke the fixing plastics.



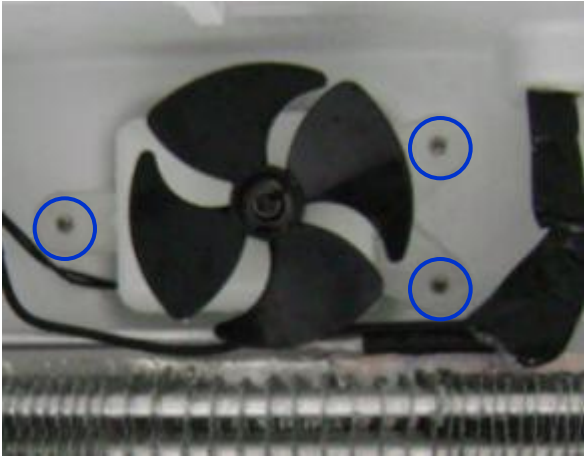
<b>VESTEL</b> WHITE GOODS	<b>NO FROST-COMBI 366-MECHANIC</b>	<b>CUSTOMER SUPPORT</b>
	<b>FREEZER COMPARTMENT</b>	

### **Replacement of Freezer Fan Motor**

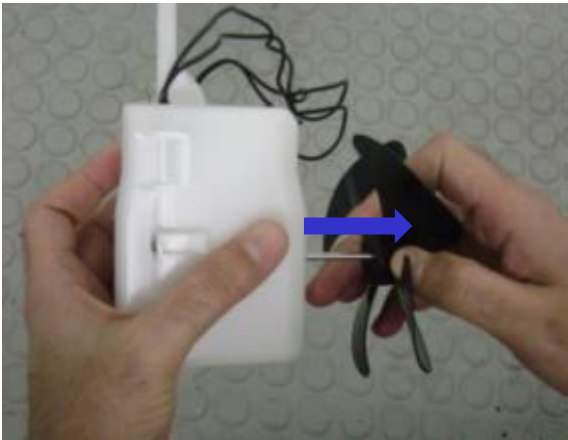
Disconnect the fan motor connector.  
**(pink and white connector – black cable)**



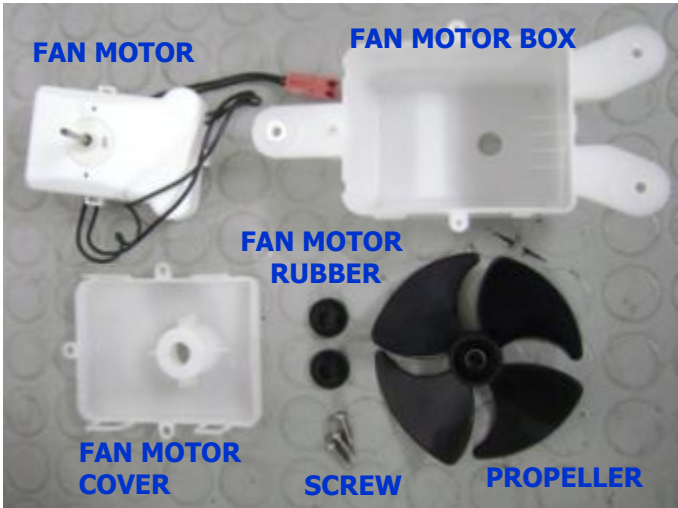
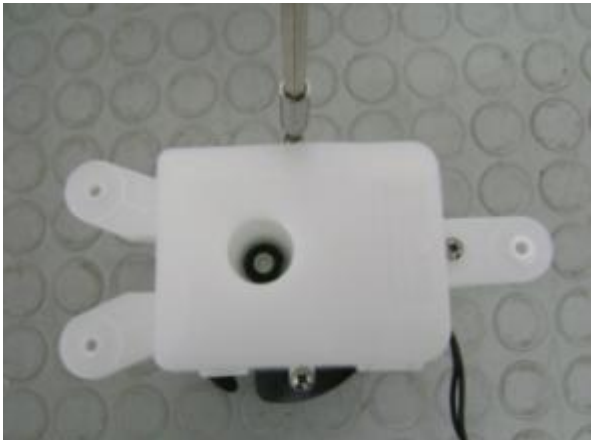
Unscrew the screws which are fixing  
the fan motor box and remove it .



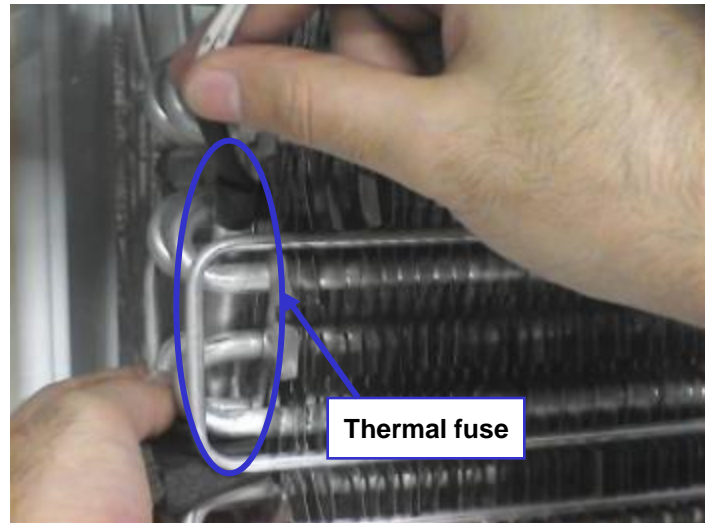
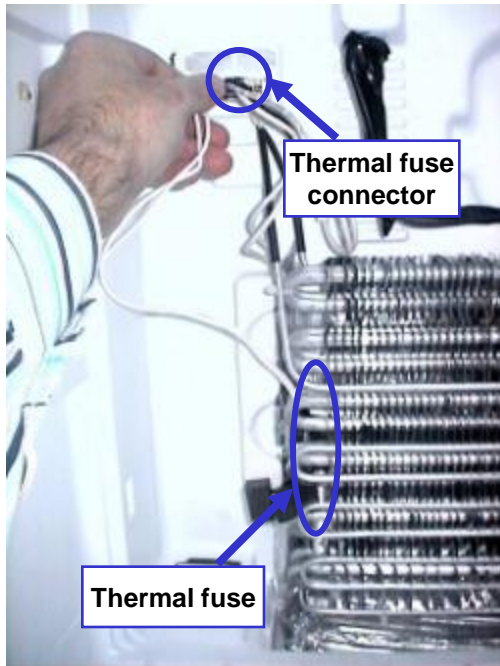
Remove the propeller by pulling forward.



Unscrew the screws which are fixing  
the fan motor box cover and remove it.

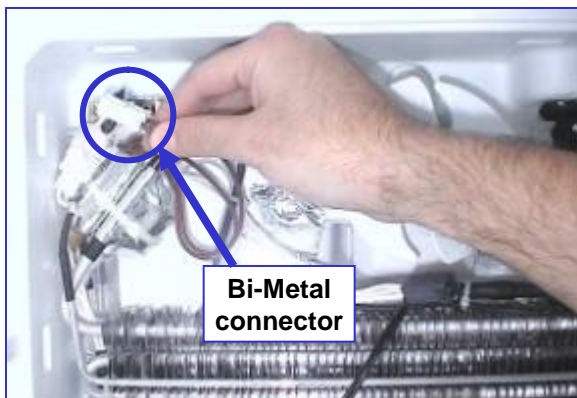


### Replacement of Thermal Fuse Assy.

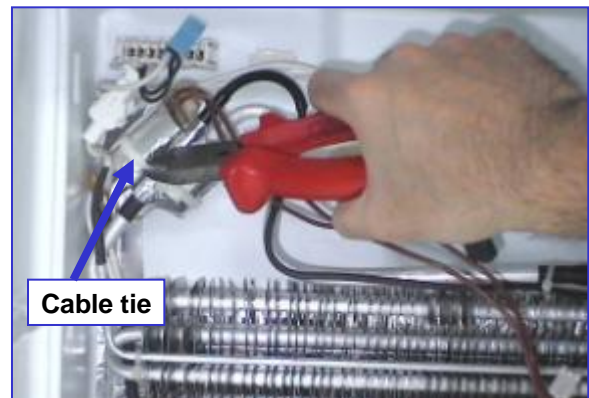


Disconnect to thermal fuse connector. (**black connector**)  
Remove the thermal fuse by pulling which mounted on the left side of the evaporator. Take out the thermal fuse.

### 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-COMBI 366-MECHANIC</b>	<b>CUSTOMER SUPPORT</b>
	<b>FREEZER COMPARTMENT</b>	

## Replacement of Freezer Glass Shelf



Unscrew the screw; fixing the foot.



Remove the freezer glass shelf.



### Replacement of Refrigerator Lamp



Remove the refrigerator lamp cover by pulling forward.



Loosen the lamp and replace it.

### Replacement of Refrigerator Thermostat Knob

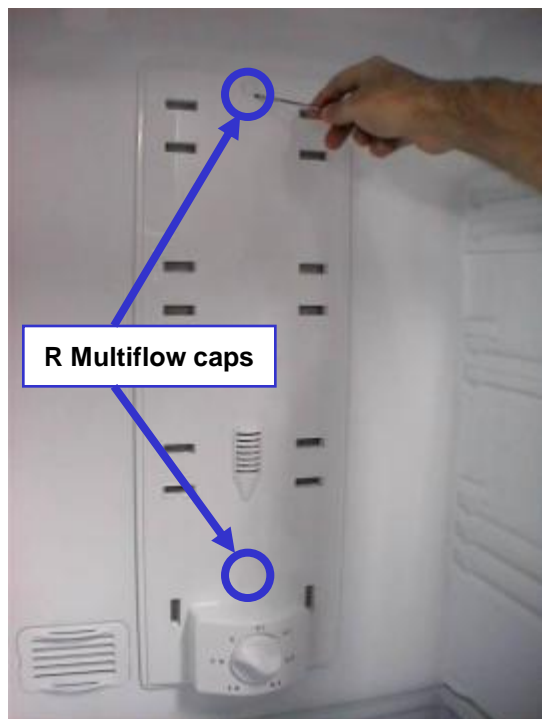


Slightly pull the thermostat knob towards you.



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.

**Replacement of Refrigerator Multiflow**



Remove two refrigerator multiflow caps and unscrew the two screws.

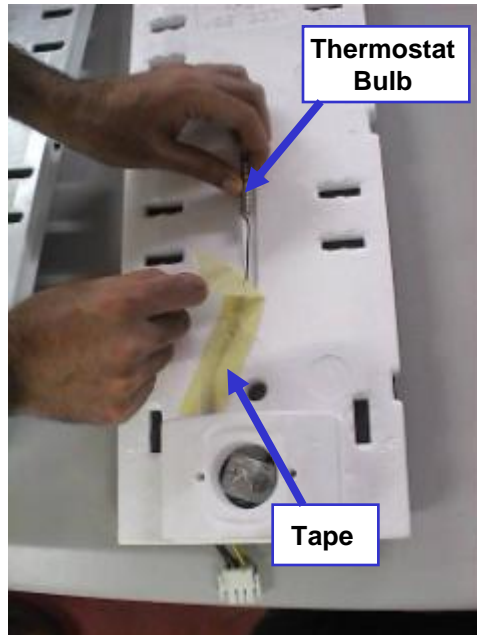


Remove the multiflow cover and multiflow insulation and disconnect to connector.

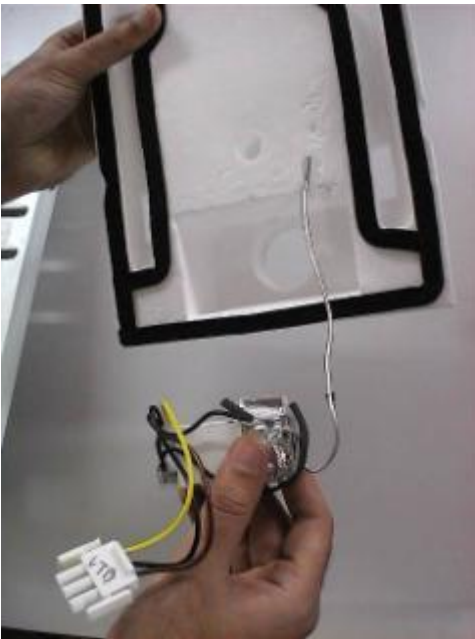
**Replacement of Refrigerator Thermostat**



Remove the thermostat nut.



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



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



Disconnect the connectors. And remove the door switch.

