



# Electrolux

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PRODUCTS  
Customer Care - EMEA  
Training and Operations Support  
Technical Support

## SERVICE MANUAL

### Refrigeration

#### ZEF MULTIFLOW

Publication number 599 80 64-14

EN

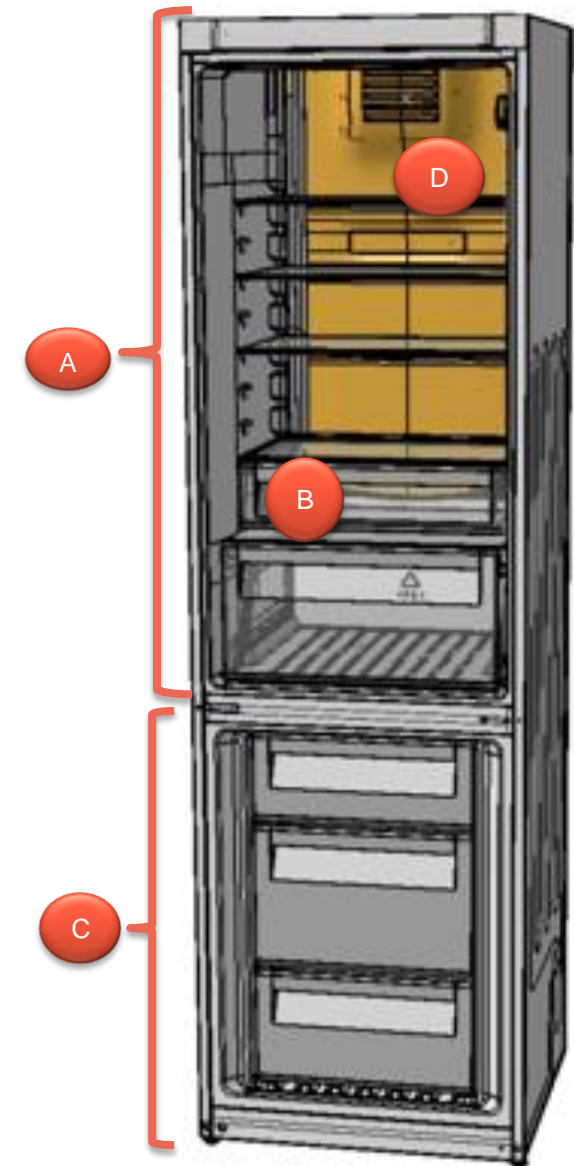
Edition: 01/2017 - Rev.00

## INTRODUCTION

This manual deals with the ZEF Multiflow appliances.

The appliance is equipped with the following components

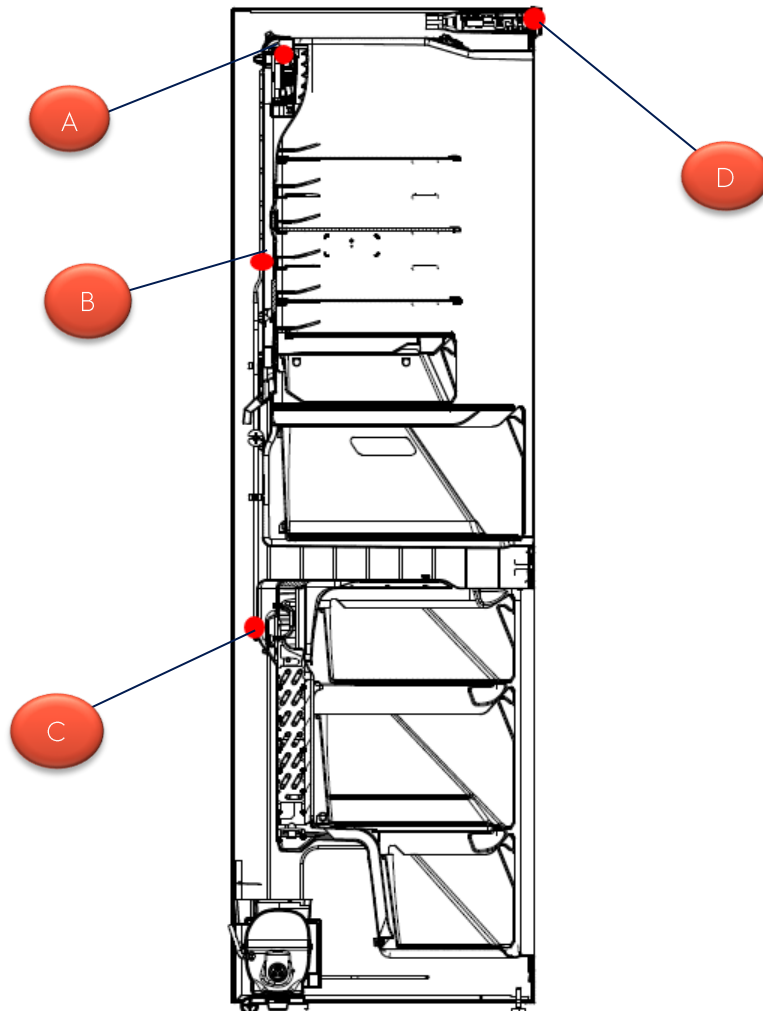
- Cooler ( A )
- Zero Degree Drawer ( B )
- Freezer ( C )
- MULTIFLOW(D)



## TEMPERATURE SENSORS

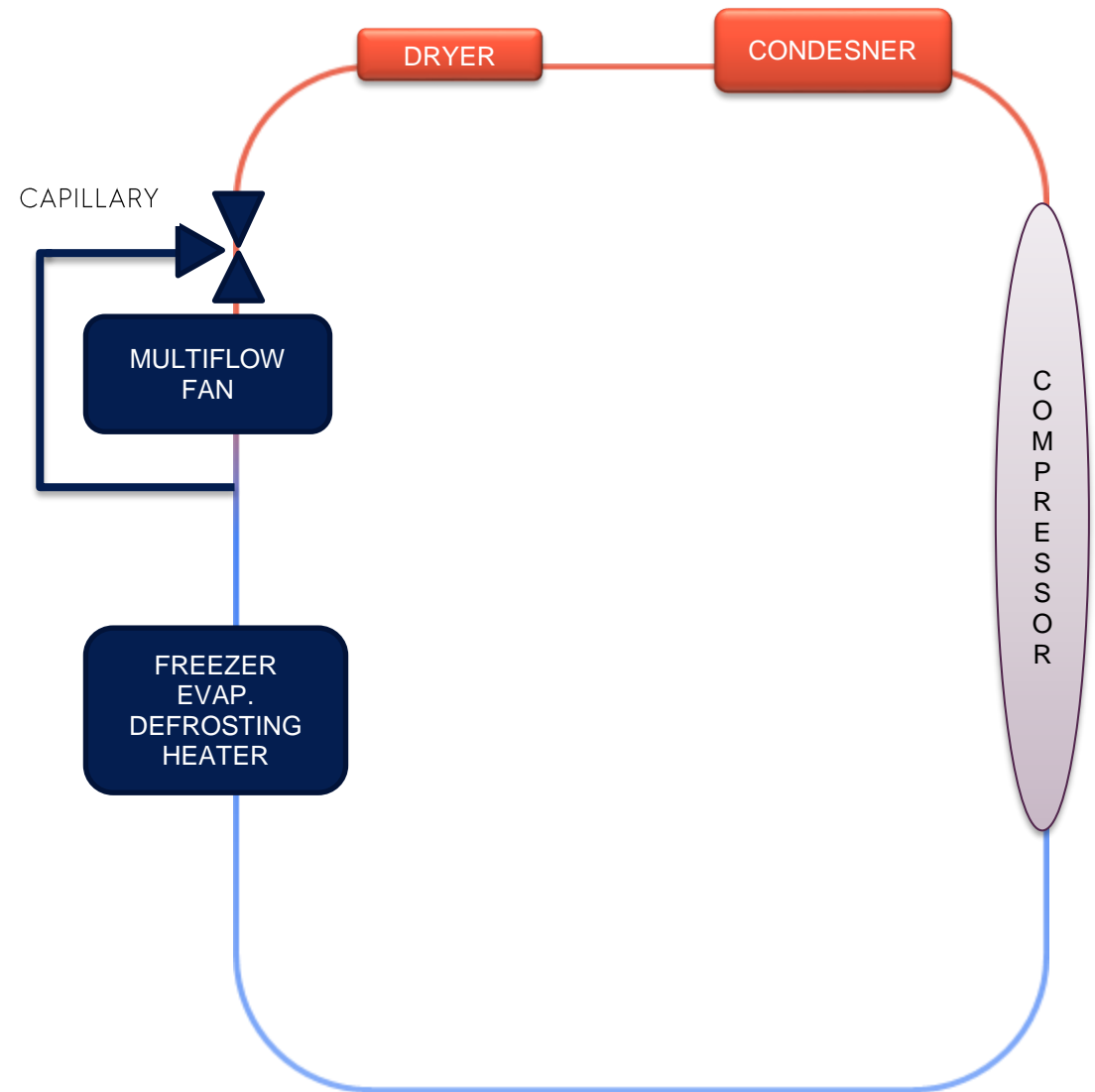
There are 4 sensors detecting the temperatures:

- Cooler air sensor (placed on the fan carter/cover) (A)- exchangeable
- Cooler defrosting sensor (foamed) (B) -not exchangeable
- Freezer sensor (Cold module) (C)
- Ambient sensor (placed on the display board) (D) - exchangeable



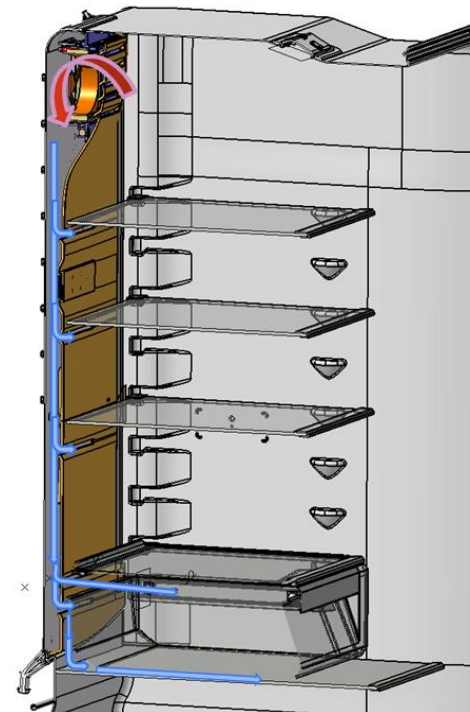
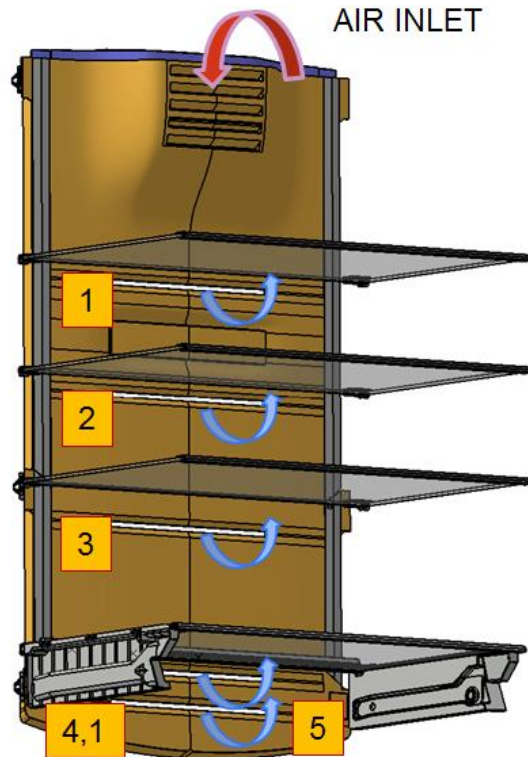
## REFRIGERATING CIRCUIT

You can see the refrigerant circuit in the below figure.



## AIRFLOW DISTRIBUTION

- Not lateral air outlet compared to the Cannes project
  - Frontal air outlet needed for guarantee perfect temperature in the Fridge (1-2-3-4).
- Increase frontal air outlet section in order to have more cold air in the area of Zero Degree Drawer (4.1 - 5).



- The evaporator is foamed, so not visible behind the MULTIFLOW, as for Cannes present model.
- The air outlet in the new ZEF MULTIFLOW are in the frontal area (the Cannes model has the air outlet on the sides)
- The cold air has blown at the same time, inside the drawer and around the drawer.

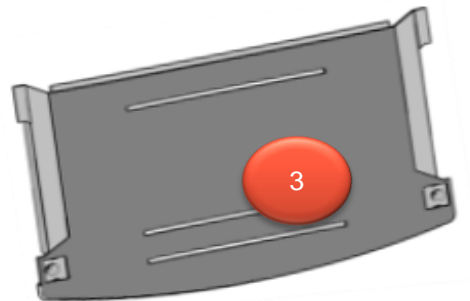
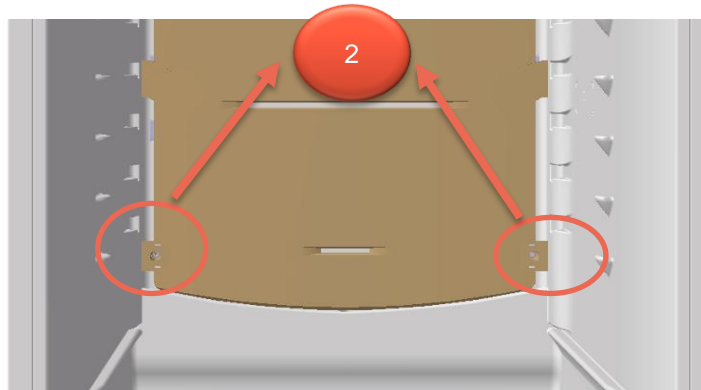
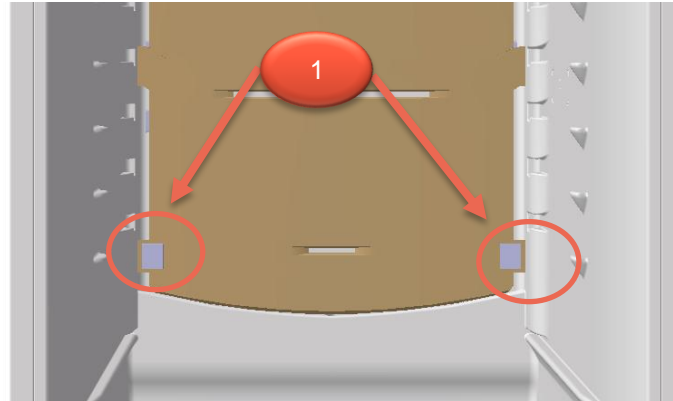
❖ The fan works at 2 speeds (driven by the power board ERF 2003), normally at low speed and only at certain conditions at high speed

**Low speed:** always in parallel with compressor at all ambient temperatures and at all settings when the Fridge air temperature is at steady state conditions.

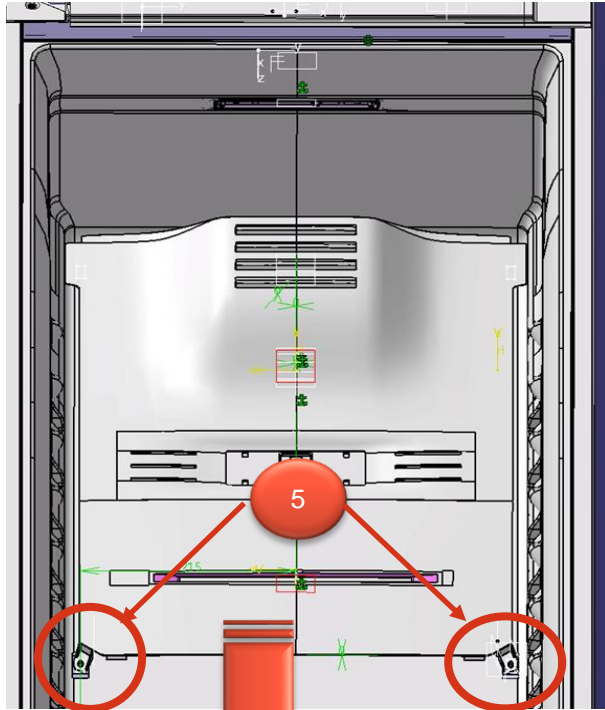
**High speed:** when the Fridge air temperature is not at steady state condition, the fan works at high speed until the temperature reaches the setting, after that the fan goes back to low speed.  
The fan works also at high speed during the Freezer defrost phases

## ACCESSIBILITY

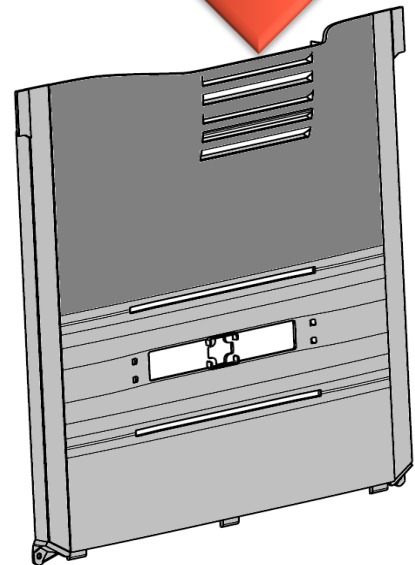
### Disassembling the MULTIFLOW air guide - fridge compartment



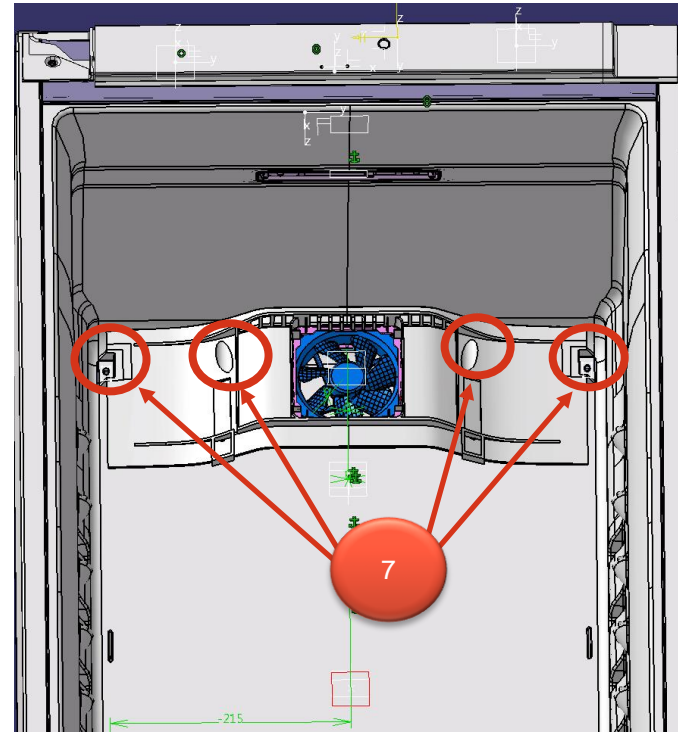
- 1.Remove the two cover plugs
- 2.Remove wo screws
- 3.Disassemble the first air guide plate



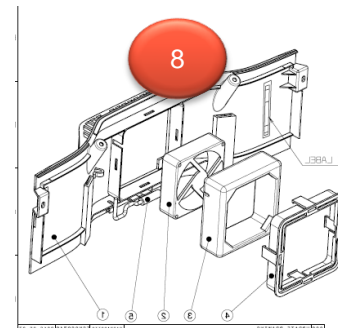
5. Remove the additional two screws



7. Disassemble the second air guide plate



7. Remove the four screws



8. Disassemble the ventilator support

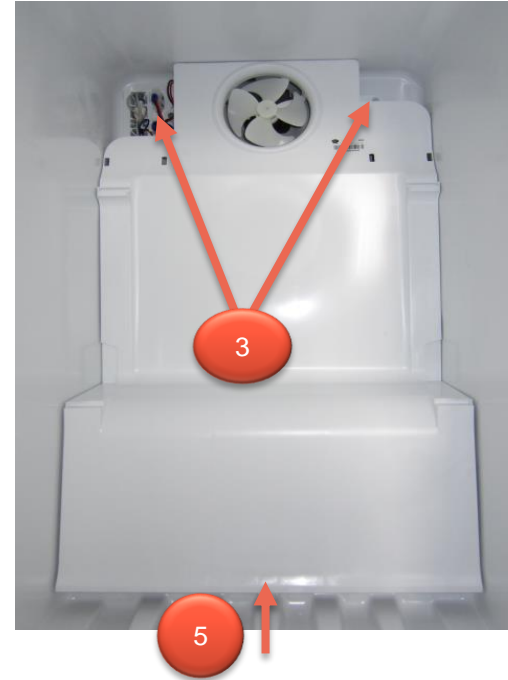
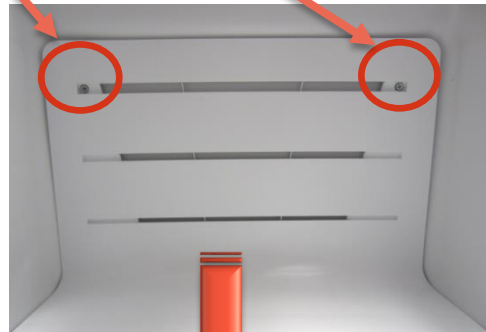


9. Disconnect the electrical plug

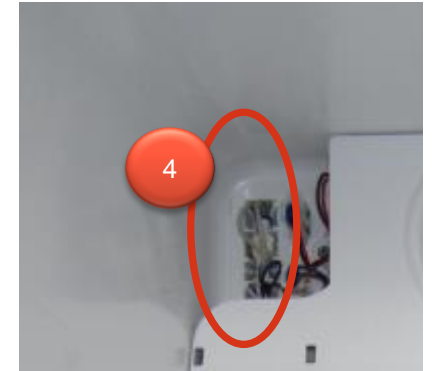
## Disassembling the AIRFLOW guide - freezer compartment



1. Remove two screws
2. Remove the ventilator cover



3. Remove two screws
4. Disconnect the ventilator plug



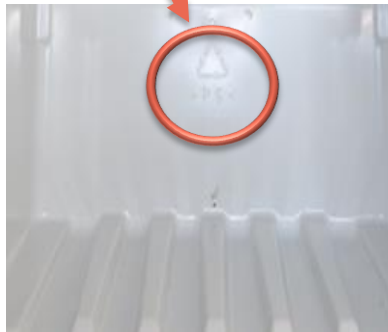
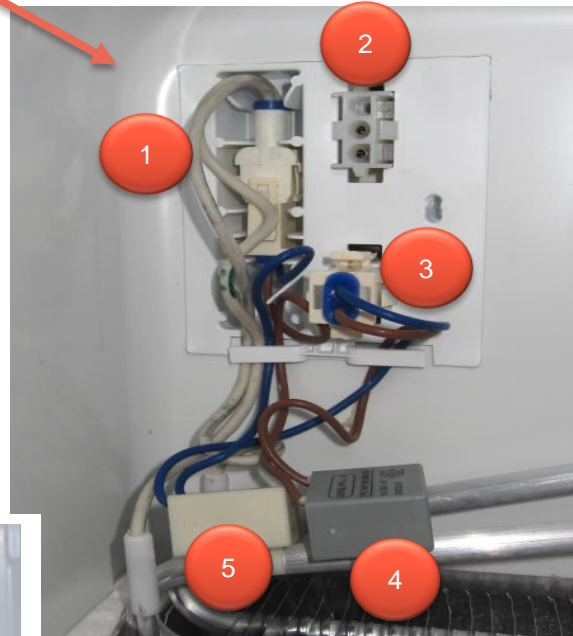
3. Remove two screws
4. Disconnect the ventilator plug





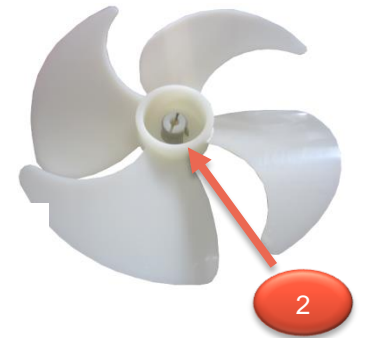
1. Electrical connection defrost heater
2. Electrical connection ventilator
3. Power supply defrost heater
4. Thermostat 10A 250V 8°C
5. Thermostat 10A 250V 40°C
6. Temperature sensor

❖ Thermostats are clipped on the evaporator



1. Remove three screws

2. Pull down the impeller fixed by spring



3. The ventilator is controlled by the electronic ERF2003

Voltage: 12V DC permanent magnet (brushless)  
 Electrical power: 1,05W  
 Spinning: 2000 1/min



## Dismantling the user interface behind the door

1. Unclip the cover with a screwdriver on the left and right side



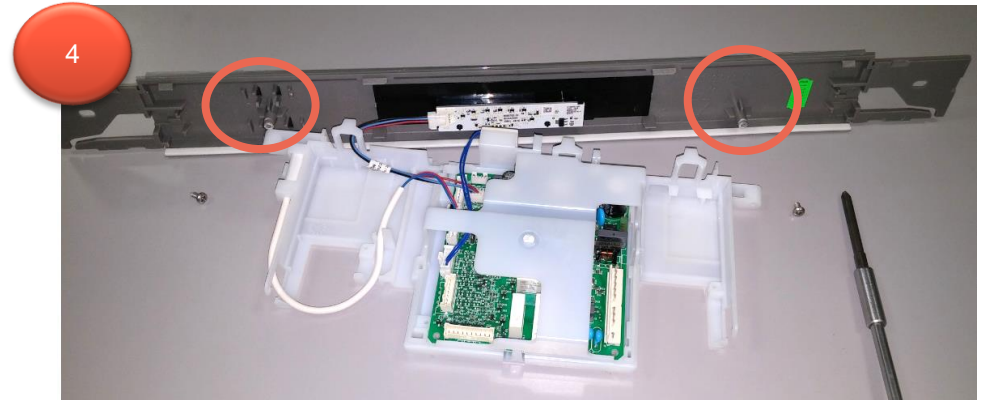
2. Remove the two screws



3. Pull out the electronic and unlatch the wires



4. Unscrew the carrier and unplug the wires



5. Remove the user interface

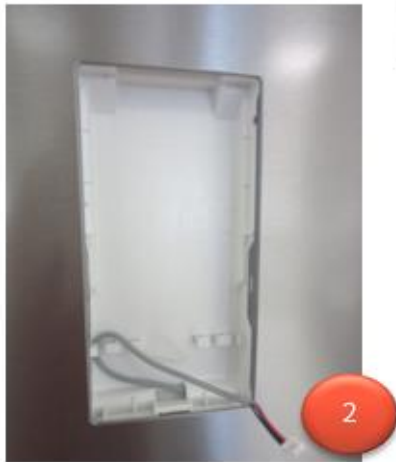


## Dismantling user interface on door



1. The user interface is clipped once into the door front.

!Use a knife to unlatch the user interface

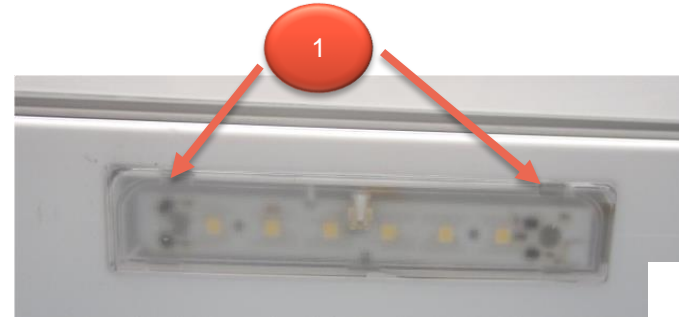


2. Unlatch the wiring

## LED illumination refrigerator

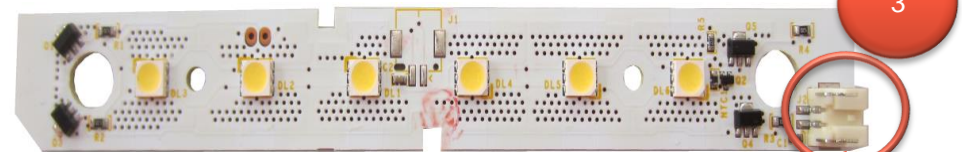
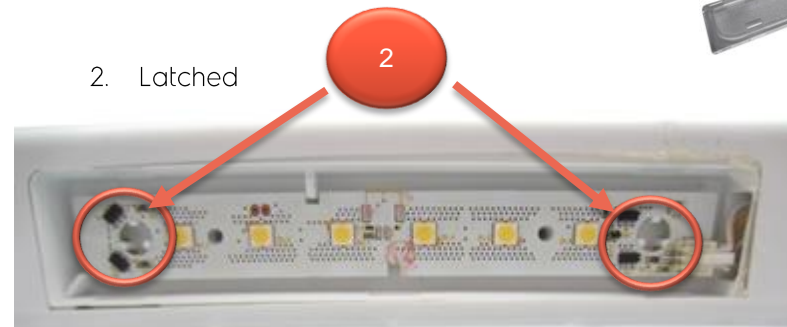
LED-electronics with 6 LED's

1. Window cover 2x latched

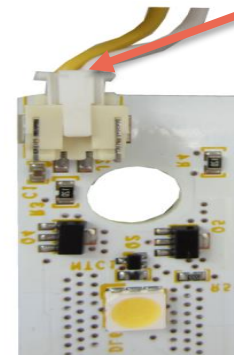


The LED-electronics allowed to be replaced by a qualified electrician.

2. Latched



3. Electrical connection

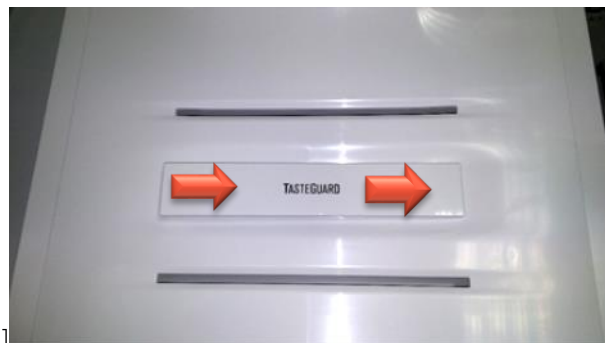


## CARBON AIR FILTER

Filtering function

The odour filter gets a new position → from air ventilator into the multiflow guide cover, which is available as a spare part and has to be changed periodically.

1. Unlatch and take off the filter cover
2. Take out the filter from the plastic bag
3. Insert the filter in the slot in the rear wall of the appliance.
4. Put on and latch the filter cover



CARBON AIR FILTER