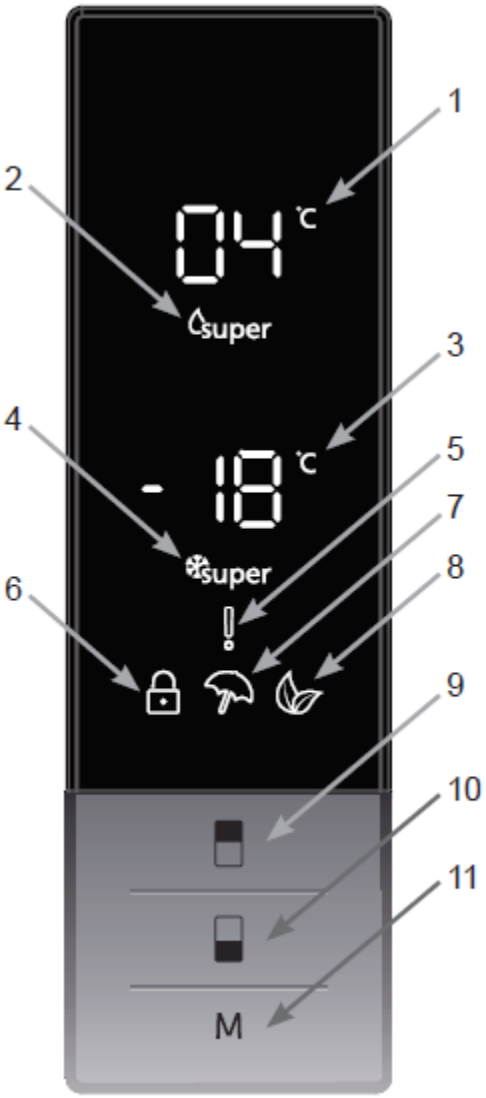
| | | |
|---|---|---|
| SOGEDIS ELECTROMENAGER | **NF COMBI – 482 ELECTRONIC - IMD** | SOGEDIS ELECTROMENAGER |
| | **Display and control panel** | |




**Using the Control Panel**

1. It is cooler set value screen.
2. It is super cooling indicator.
3. It is freezer set value screen.
4. It is super freeze indicator.
5. It is alarm symbol.
6. It is child-lock symbol.
7. It is holiday mode symbol.
8. It is economy mode symbol.
9. It enables the setting value of cooler to be modified and super cool mode to be activated if desired. Cooler maybe set to 8, 6, 5, 4, 2 °C super cool.
10. It enables the setting value of freezer to be modified and super freeze mode to be activated if desired. Freezer may be set to -16, -18, -20, -22, -24 °C super freeze.
11. It enables the modes (economy, holiday…) to be activated if desired.

# NF COMBI – 482 ELECTRONIC - IMD

## Display and control panel

### *Super Freeze Mode*

**Purpose**

• To freeze a large quantity of food that cannot fit on the fast freeze shelf.
• To freeze prepared foods.
• To freeze fresh food quickly to retain freshness.

**How Would It Be Used?**

Press freezer set button until Super freeze symbol will be seen on the screen. Buzzer will sound beep beep. Mode will be set.

**During This Mode:**

• Temperature of cooler and super cool mode may be adjusted. In this case super freeze mode continues.
• Economy and Holiday mode can not be selected.
• Super freeze mode can be cancelled by the same operation of selecting.


### *Super Cool Mode*

**Purpose**

• To cool and store a large quantity of food in the fridge compartment.
• To quickly cool drinks.

**How Would It Be Used?**

Press cooler set button until super cool symbol will be seen on the screen. Buzzer will sound beep beep. Mode will be set.

**During This Mode:**

• Temperature of freezer and super freeze mode may be adjusted. In this case super cool mode continues.
• Economy and holiday mode can not be selected.
• Super cool mode can be cancelled by the same operation of selecting.

| | | |
|---|---|---|
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## *Economy Mode*

**Purpose**

Energy savings. During periods of less frequent use (door opening) or absence from home, such as a holiday, Eco program can provide optimum temperature whilst saving power.

**How Would It Be Used?**

• Push "MODE" button until eco symbol appears.
• If no button is pressed for 1 second. Mode will be set. Eco symbol will blink 3 times. When mode is set, buzzer will sound beep beep.
• Freezer and refrigerator temperature segments will show "E".
• Economy symbol and E will light till mode finishes.

**During This Mode:**

• Freezer may be adjusted. When economy mode will be cancelled, the selected setting values will proceed.
• Cooler may be adjusted. When economy mode will be cancelled, the selected setting values will proceed.
• Super cool and super freeze modes can be selected. Economy mode is automatically cancelled and the selected mode is activated.
• Holiday mode can be selected after cancelling the economy mode. Then the selected mode is activated.
• To cancel, you will just need to press on mode button.

## *Holiday Mode*

**How Would It Be Used?**

• Push "MODE" button until holiday symbol appears
• If no button is pressed for 1 second. Mode will be set. Holiday symbol will blink 3 times. When mode is set, buzzer will sound beep beep.
• Cooler temperature segment will show "--".
• Holiday symbol and "--" will light till mode finishes.

**During This Mode:**

• Freezer may be adjusted. When holiday mode will be cancelled, the selected setting values will proceed.
• Cooler may be adjusted. When holiday mode will be cancelled, the selected setting values will proceed.
• Super cool and super freeze modes can be selected. Holiday mode is automatically cancelled and the selected mode is activated.
• Economy mode can be selected after cancelling the holiday mode. Then the selected mode is activated.
• To cancel, you will just need to press on mode button.

| | | |
|---|---|---|
| SOGEDIS ELECTROMENAGER | **NF COMBI – 482 ELECTRONIC - IMD**<br>**Display and control panel** | SOGEDIS ELECTROMENAGER |

## *Drink Cool Mode*

**Purpose**
This mode is used to cool drinks within an adjustable time frame.
**How Would It Be Used?**
• Press freezer button for 3 seconds.
• Special animation will start on freezer set value screen and 05 will blink on cooler set value screen.
• Press cooler button to adjust the time (05 - 10 - 15 - 20 - 25 - 30 minutes).
• When you select the time the numbers will blink 3 times on screen and sound beep beep.
• If no button is pressed within 2 seconds the time will be set.
• The countdown starts from the adjusted time minute by minute.
• Remaining time will blink on the screen.
• To cancel this mode press freezer set button for 3 seconds.


## *Screen Saver Mode*

**Purpose**
This mode saves energy by switching off all control panel lighting when the panel is left inactive.
**How To Use?**
• This mode will be activated when you press on "MODE" button for 5 seconds.
• If no button is pressed within 5 seconds when he mode is active, lights of the control panel will go off.
• If you press any button when lights of control panel are off, the current settings will appear on the screen, and then you can maket he adjustment as you want. If you neither cancel screen saver mode nor press on any button in 5 seconds, the control panel will go off again.
• To cancel screen saver mode press on "MODE" button for 5 seconds again.
• When screen saver mode is active you can also activate child lock.
• If no button is pressed within 5 seconds after child lock is activated, the lights of the control panel will turn off. You can see latest status of settings or modes after you pres any button. While control panel ‘s light is on, you can cancel child lock as described in the instruction of this mode.

| | | |
|---|---|---|
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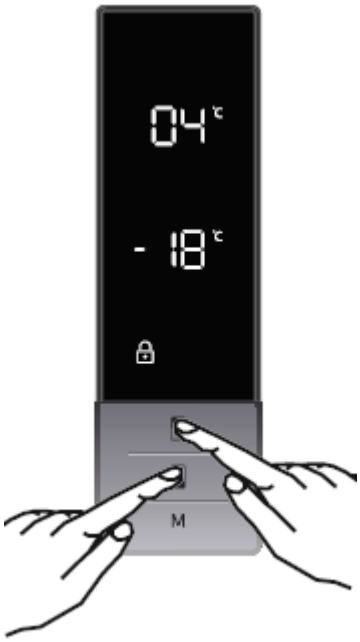
## *Child lock function*

**Purpose**
Child lock can be activated to prevent any accidental or unintentional changes being made to the appliance settings.
**Activating Child Lock**
Press on freezer and cooler buttons simultaneously for 5 seconds.
**Deactivating Child Lock**
Press on freezer and cooler buttons simultaneously for 5 seconds.
Child lock will also be deactivated if electricity is interrupted or the fridge is unplugged.




## *Door Open Alarm Function*

If cooler door is opened more than 2 minutes, appliance sounds ‘beep beep’.

## *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:**
Firstly the power is on, secondly within 1 minute user will push Mode and Freezer Set Button 5 seconds at the same time , Then appliance will go on “demo function” . «**dE**» will light on cooler set value screen for 1 second, and «**On**» will light on freezer set value screen for 1 second and off.
Every 10 seconds this operations will occur.
All functions can be adjusted to show how they are adjusted to the customer.

**Canceling Demo mode:**
For cancelling; Same operation will be used. If user will push Mode and Freezer Set Button at the same time, demo function will be cancelled.
When appliance is 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.

| | | |
|---|---|---|
| SOGEDIS ELECTROMENAGER | **NF COMBI – 482 ELECTRONIC - IMD**<br>**Display and control panel** | SOGEDIS ELECTROMENAGER |

## *Temperature Settings*

**Freezer Temperature Settings**

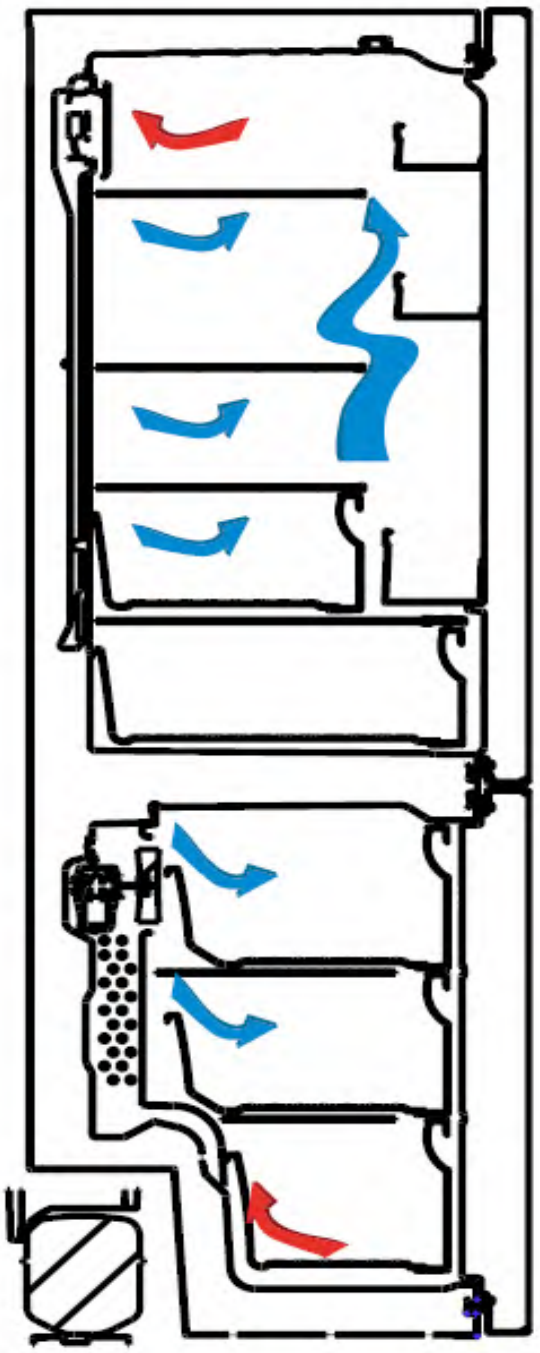

• The initial temperature value for the freezer setting indicator is -18°C.
• Press the set freezer button once.
• When you first push this button, the last set value will blink on the screen.
• Whenever you press this button, a lower temperature will be set
(-16 °C, -18 °C, -20 °C, -22 °C, -24 °C, super freeze).
• When you push the set freezer button until the super freeze symbol appears, and if you do not push any other button within 1 second, super freeze will flash.
• If you continue to press it, it will restart from -16 °C.
• The temperature value selected before holiday mode, super freeze mode, super cool mode or economy mode is activated and will remain the same when the mode is over or cancelled. The appliance continues to operate with this temperature value.

**Cooler Temperature Settings**


• Initial temperature value for the cooler setting indicator is +4 °C.
• Press the cooler button once.
• When you first push this button, the last value will appear on the cooler setting indicator.
• Whenever you press this button, a lower temperature will be set.
(+8 °C, +6 °C, +5 °C, +4 °C, +2 °C, super cool)
• When you push the cooler set button until the super cool symbol appears, and if you do not push any button within 1 second, super cool will flash.
• If you continue to press the button, it will restart from +8 °C.
• The temperature value selected before holiday mode, super freeze mode, super cool mode or economy mode is activated and will remain the same when the mode is over or cancelled. The appliance continues to operate with this temperature value.

# NF COMBI – 482 ELECTRONIC - IMD

## Air Flow Diagram



**Cold Air**

**Returning warm air**

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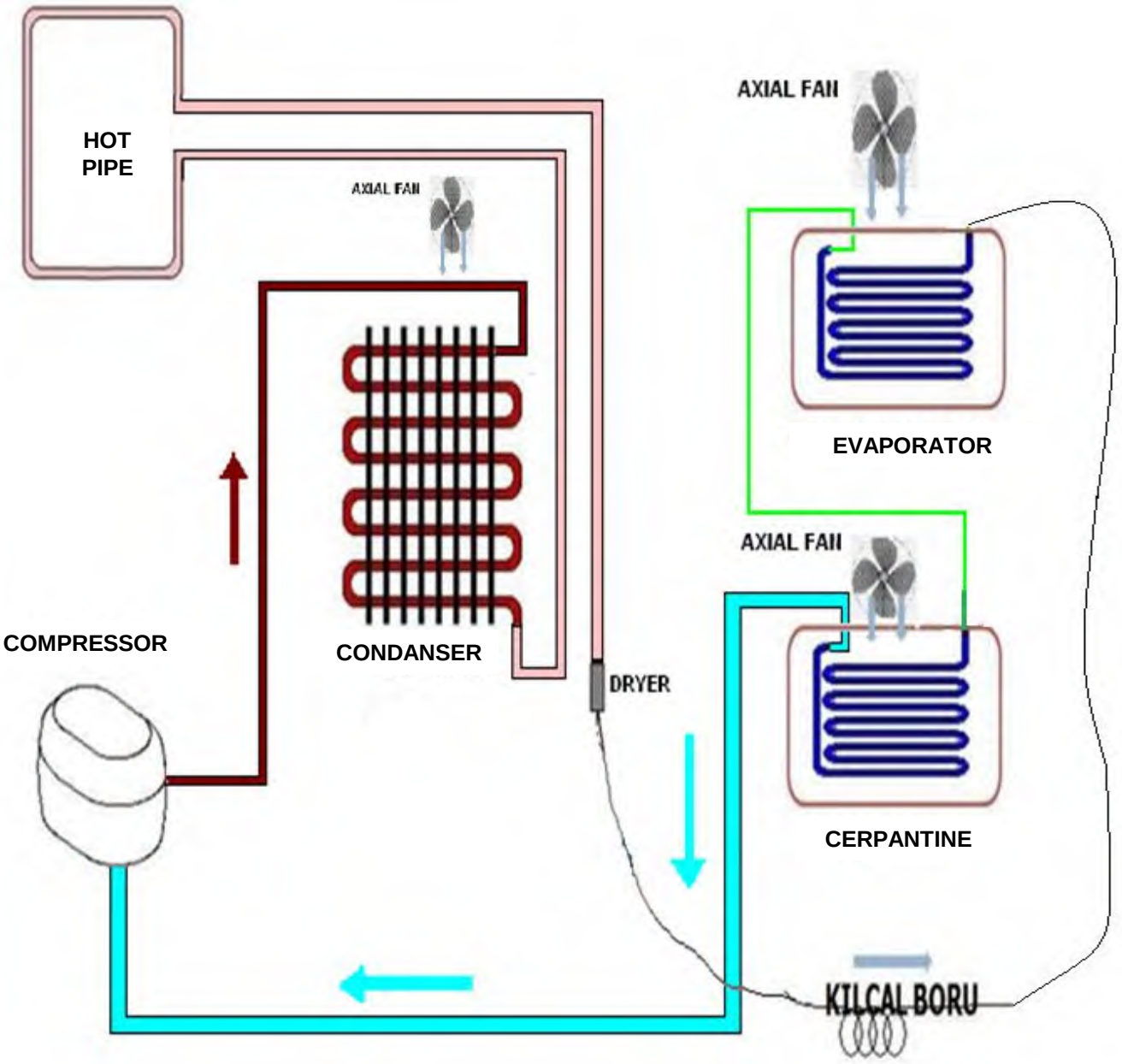
HOT
PIPE
AXIAL FAN
AXIAL FAN
EVAPORATOR
AXIAL FAN
COMPRESSOR
CONDANSER
DRYER
CERPANTINE
KILCAL BORU

## 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/4.02k9Ω | -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 |

**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 starts and stops after 5 seconds.
- ❖The defrost resistance stars and stops after 5 seconds.
- ❖The balance resistance starts and stops after 5 seconds.
- ❖The DC Radial Fan starts and stops after 5 seconds.
- ❖The freezer 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. At the low ambient temperature or when the compressor stops; to balance, defrost stops when the defrost sensor temperature feels 15$^{o}$C. But if the defrost time or the compressor stopping time goes over 6 hours, the resistance will be stopped.

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.

## Low Voltage Program

In case of supply voltage lower than 170 V for more than 5 seconds, the low voltage program will stop the compressor, evaporator fan motor, condenser fan motor and also the super freezing super cooling functions. If this situation happens during the defrost mode, then the appliance will stop during defrosting.
When the supply voltage reaches a value greater than 180V, the appliance will start again from the defrost mode.
If the appliance was not stopped during the defrost mode, then will be stopped for minutes more for compressor secure start-up and will be started from the last setted program.

## 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. |

# NF COMBI – 482 ELECTRONIC - IMD

## SERVICE MODE

Push freezer temperature button continuously. During this time, open and close the cooler or freezer door for least 3 times. The appliance will enter service mode 3 sec. late.

- If there is a faulty situation, error code will be observed on screen. Otherwise nothing will be on the screen.
- Buzzer will sound beep for 0.1 sec. each 5 sec. during service mode.
- Child lock icon will blink
- Service function could be activated by pushing «Mode» button

| SERVICE FONCTION | |
|---|---|
| | While display is on servıce mode, it could be changed among service functions by touching «mode» icon |
| **TOUCHING M (MODE) BUTTON ONE TİME** | **STARTING MODE** |
| | Eco icon blinks |
| | The number of components which is controlled is shown at freezer segments of display |
| | Eco ıcon goes off when the starting test finishes and then display returns to initial service mode. |
| **TOUCHING M (MODE) BUTTON TWO TİMES** | **MANUAL DEFROST** |
| | Holıday icon blinks |
| | Defrost mode starts at third steps. |
| | Defrost might be finished manually or automatically. |
| | Defrost operation could be finished manually as touching cooler set button. |
| | Automatic defrost operates according to the standard defrost time. |
| | Holiday icon goes off when he when the manual defrost ends and display returns to initial service mode. |
| **TOUCHING M (MODE) BUTTON THREE TİMES** | **DAMPER MOTOR CONTROL MODE** |
| | SC icons blink. |
| | There is no function due to not having damper component in the product |
| | Unless touch anything on the screen for 5 minutes , this function will be finished. |
| | SSC icons goes off and display returns to initial service mode. |
| **TOUCHING M (MODE) BUTTON FOUR TİMES** | **CURRENT TEMPERATURE VALUES INDICATOR** |
| | Sf icons blink. |
| | Current temp. Value of freezer set sensor is shown on cooler set segment. Freezer set segment shows "1" |
| | When touch freezer set button, screen shows current value of cooler sensor. |
| | After touching freezer set icon one time , current temp. Value of cooler sensor is shown on cooler set segment. Freezer set segment shows «2" |
| | When touch freezer set button, screen shows current value of defrost sensor. SENSÖRÜN ANLIK DEĞERİ GÖSTERİLİR |
| | After touching freezer set icon one more time , current temp. Value of defrost sensor is shown on cooler set segment. Freezer set segment shows «3" |
| | When touch freezer set button, screen shows current value of ambient temperature sensor. |
| | After touching freezer set icon one more time , Constant value is shown on cooler set segment due to not being an ambient sensor in the appliance .Freezer set segment shows «4" (this is a general function for other models which have ambient sensor) |
| | When touch freezer set button, screen shows current value of serpantine sensor. |
| | After touching freezer set icon one more time , current temp. Value of cooler serpentine sensor is shown on cooler set segment. Freezer set segment shows «5" |
| | Unless touch freezer set icon for 5 minutes , function will be finished automatically. |
| | Touching cooler set icon, function will be finished manually. |
| | Sf icon goes off and display returns to initial service mode. |
| **TOUCHING M (MODE) BUTTON FİVE TİMES** | **DOOR SWITCH CONTROL** |
| | No icons at display |
| | Cooler set segment gıves ınformatıon about cooler door |
| | Freezer set segment gıves ınformatıon about freezer door |
| | Mode just could be deactıvated by cooler set button. |

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# NF COMBI – 482 ELECTRONIC - IMD

## User and Service Mode Error Message

| SENSOR | TEMPERATURE | USER MODE REACTION | SERVICE MODE REACTION |
|---|---|---|---|
| (1) Freezer | > +50 $^0$C or <-50 $^0$C (sensor is short or open) | **Display SR (blinks) in Freezer number segment & SR Symbol blinks & Buzzer 'beep'** | Display FE 01 |
| (2) Refrigerator | | | Display FE 02 |
| (3) Defrost | | | Display FE 03 |
| (5) Serpentine sensor | | | Display FE 04 |
| Breakdown of (1) and (2) | | | Display FF 12 |
| Breakdown of (1) and (3) | | | Display FF 13 |
| Breakdown of (1) and (5) | | | Display FF 15 |
| Breakdown of (2) and (3) | | | Display FF 23 |
| Breakdown of (2) and (5) | | | Display FF 25 |
| Breakdown of (3) and (5) | | | Display FF 35 |
| Breakdown of (2) and (3) and (5) | | | Display FH 06 |
| Breakdown of (1) and (3) and (5) | | | Display FH 02 |
| Breakdown of (1) and (2) and (5) | | | Display FH 05 |
| Breakdown of (1) and (2) and (3) | | | Display FH 04 |
| Breakdown of all sensors | | | Display FU 00 |

### Component defect on display

| DEFECT TYPE | DETAILS | USER MODE REACTION | SERVICE MODE REACTION |
|---|---|---|---|
| Compressor Defect | Defrost sensor temp > -10$^0$C (D sensor temp.unchanges for 10 min.continuous compressor run) | **Display SR (blinks) in Freezer number segment & SR Symbol blinks & Buzzer 'beep'** | Display FO 05 |
| Defrost Heater Defect | Defrost sensor < 0$^0$C | | Display FO 06 |

**JANUARY 2021**

# NF COMBI – 482 ELECTRONIC - IMD

## User and Service Mode Error Message

### Low voltage error on display

| DEFECT TYPE | DETAILS | USER MODE REACTION | SERVICE MODE REACTION |
|---|---|---|---|
| Low voltage | Power supply < 170 | Freezer and refrigerator number segment shows '_' and '!' & Buzzer 'beep' | Freezer and refrigerator number segment shows '_' and '!' |

### 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 > -5$^0$C | Freezer compartment is not cool enough | Freezer number segment and alarm icon blink | Display CO 01 |
| Ref. sensor > +20$^0$C and if Holiday mode is not active | Refrigerator compartment is warm | Refrigerator number segment and alarm icon blink | Display CO 02 |
| Ref. sensor < -10$^0$C | Refrigerator compartment is so cool | Refrigerator number segment and alarm icon blink | Display CO 03 |
| F sensor > -5°C and R sensor >20°C and if Holiday mode is not active | Freezer and Refrigerator compartment both are not cool enough | Freezer and Refrigerator number segment and alarm icon blink | Display CO 04 |

| | | |
|---|---|---|
| SOGEDIS ELECTROMENAGER | NF COMBI – 482 ELECTRONIC - IMD<br>User and Service Mode Error Message | SOGEDIS ELECTROMENAGER |

## New regulation E and F energy class

**Sensor Faults;**

| SENSOR | FREEZER SET VALUE | COOLER SET VALUE |
|---|---|---|
| (1) Freezer (Short-Open) | E | 01 |
| (2) Refrigerator (Short-Open) | E | 02 |
| (3) Defrost (Short-Open) | E | 03 |
| (4) AT sensor | E | 04 |
| (5) RDH Sensor | E | 05 |

**Component defect on display**

| DEFECT TYPE | FREEZER SET VALUE | COOLER SET VALUE |
|---|---|---|
| Compressor Defect | E | 06 |
| Defrost Heater Defect | E | 07 |

**Low voltage error on display**

| DEFECT TYPE | FREEZER SET VALUE | COOLER SET VALUE |
|---|---|---|
| Low voltage | E | 08 |

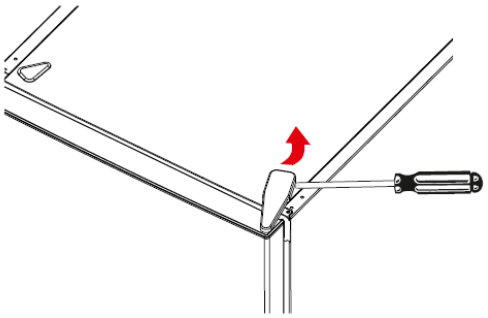
**Cooling error on display**

| DEFECT TYPE | FREEZER SET VALUE | COOLER SET VALUE |
|---|---|---|
| LF (Low Fre.) | E | 09 |
| LC (Low Cool.) | E | 10 |
| HC (High Cool.) | E | 11 |

# NF COMBI – 482 ELECTRONIC - IMD

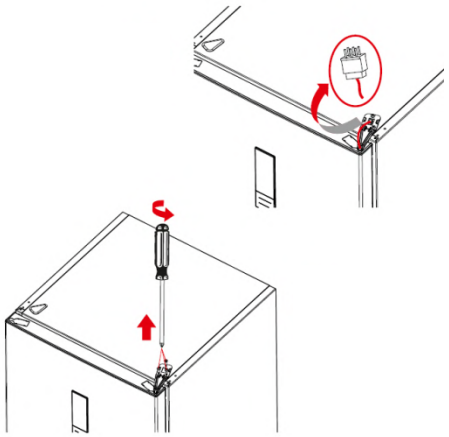
## Changing The Door Swing Direction to Right Hand

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



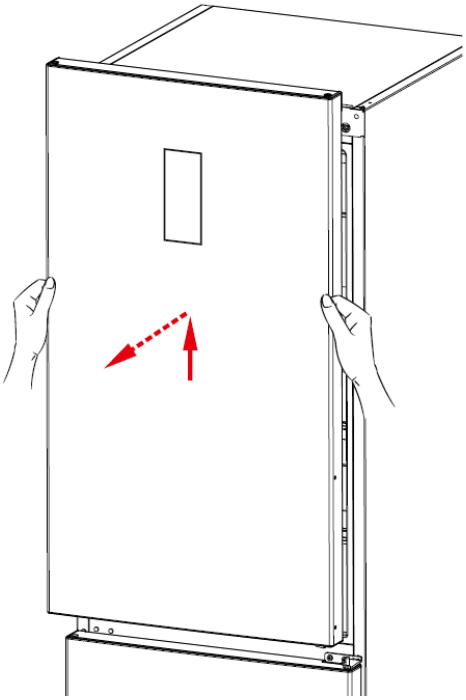
**Picture-1**

**2.** Disconnect the display connector. Unscrew the screws fixing the top hinge and remove it. (Pic-2)



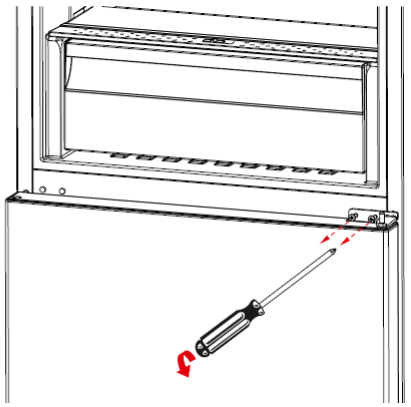
**Picture-2**

**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**

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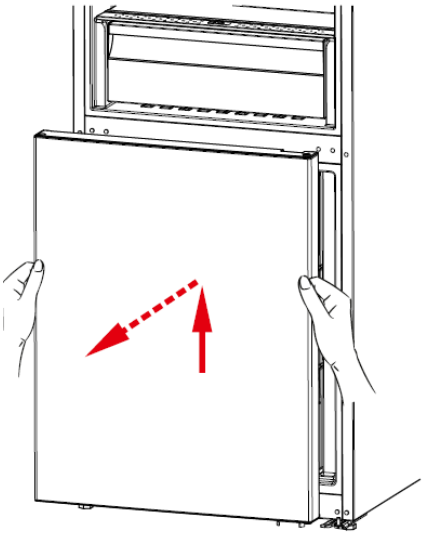
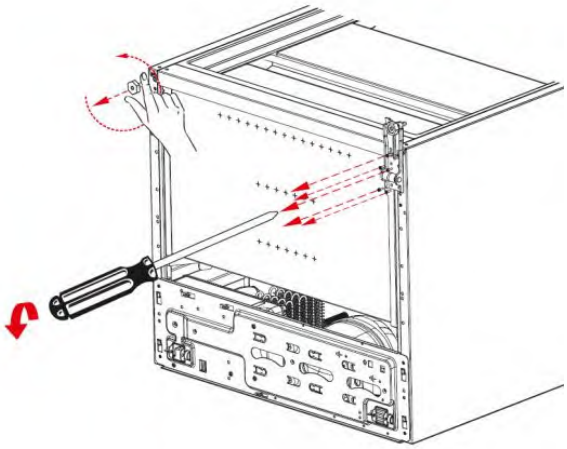
**5.** Displace the bottom door. (Pic-5)



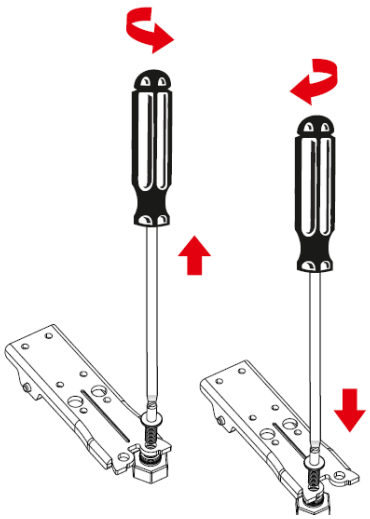
**Picture-5**



**Picture-6**

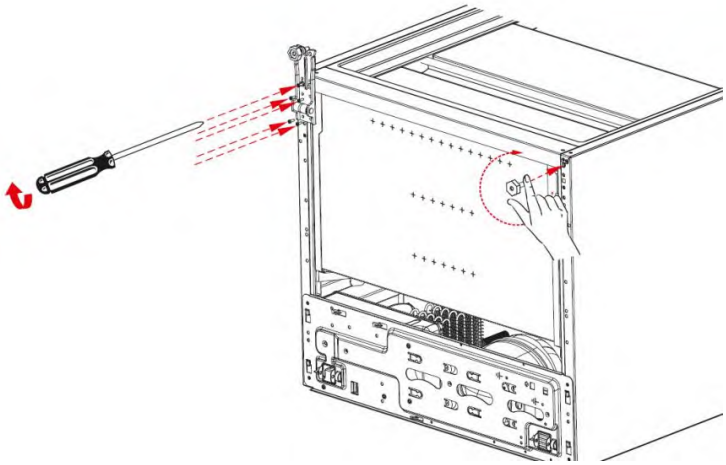
**6.** Unscrew the adjustable foot and unscrew the bottom hinge screws(Pic-6)

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

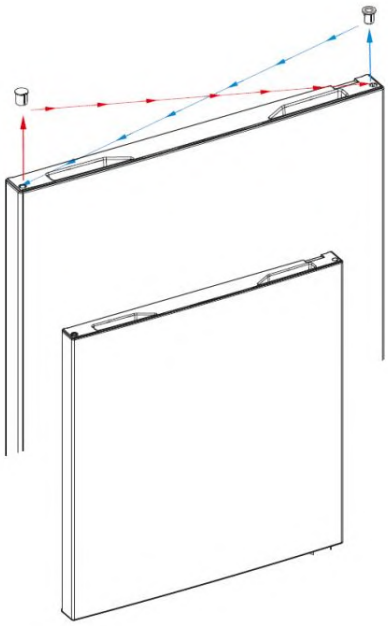


**Picture-7**

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



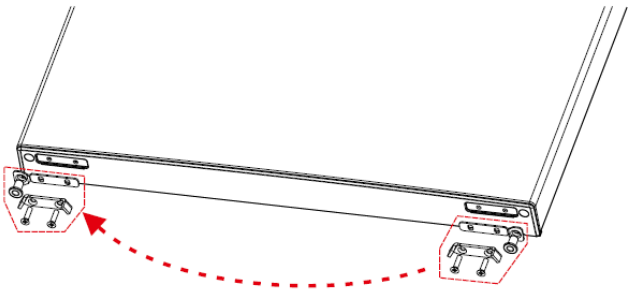
**Picture-8**



**Picture-9**

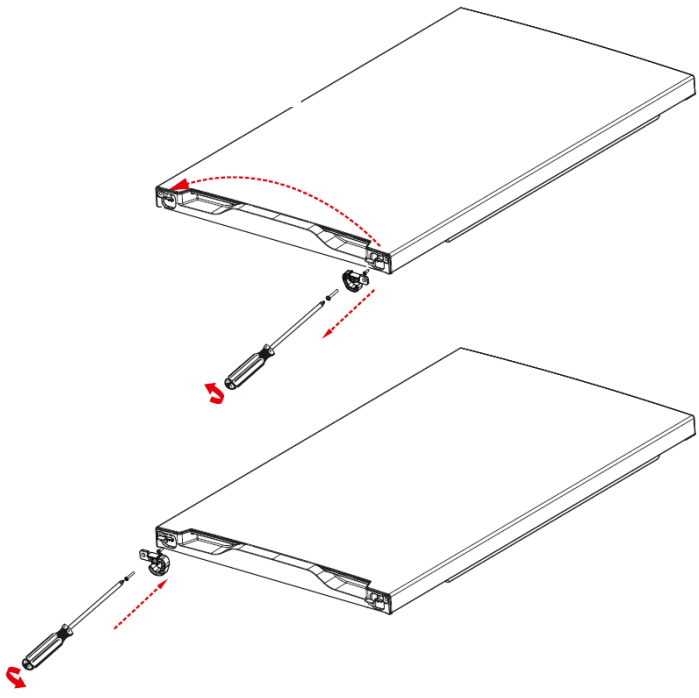
**9.** Replace the top bushing and the top bushing cap at the bottom door. (Pic-9)

**10.** Unscrew the two screws fixing stopper and stopper support plate under the bottom door. After that screw the other side. (Pic-10)



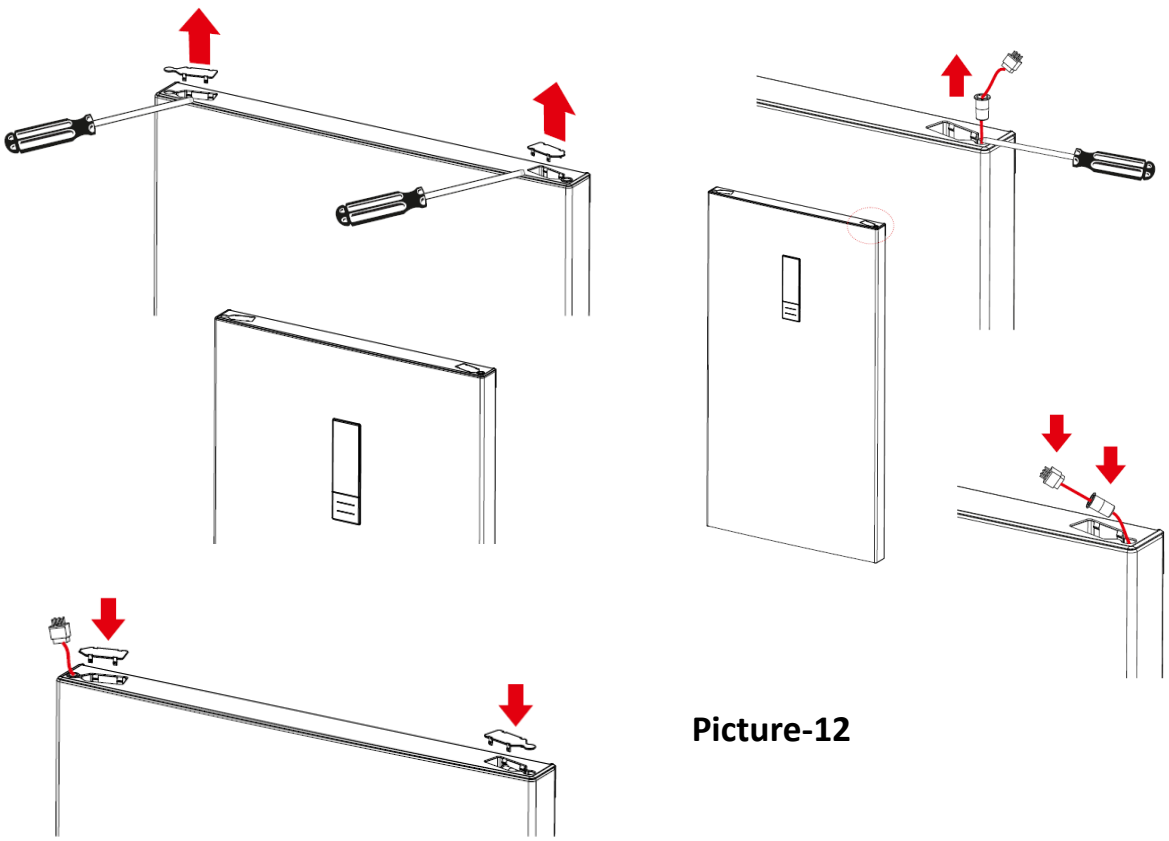
**Picture-10**

**11.** Remove the support plastic under the upper door. Then re screw these parts to the other side symmetrically. (Pic-11)



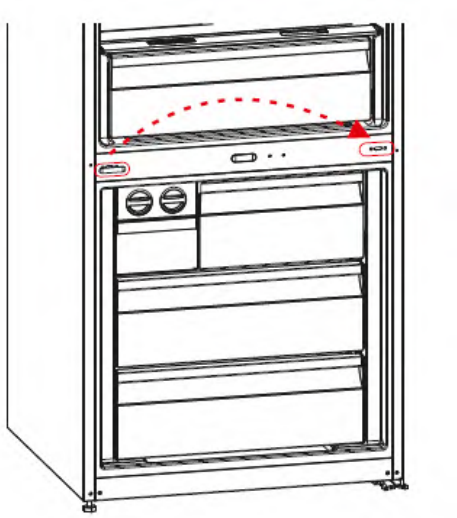
**Picture-11**

**12**. Remove the socket cover-right of the top door. Remove the display socket. Please use the socket cover to hidden other housing (Pic-12)



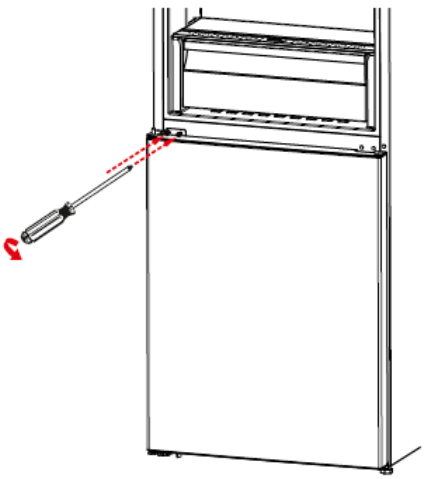
**Picture-12**

**13.** Remove the middle hinge cover and then screw the screw on the side panel and assemble to the right side panel (Pic-13)

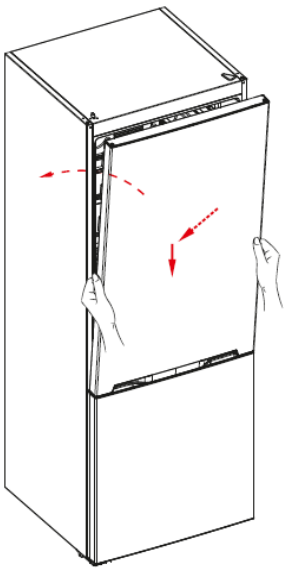


**Picture-13**

**14.** Place the bottom door and rotate the middle hinge by 180º. After that, screw to the right side on the middle sheet. (Pic-14)

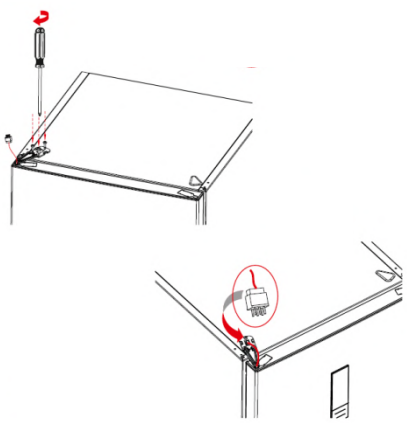


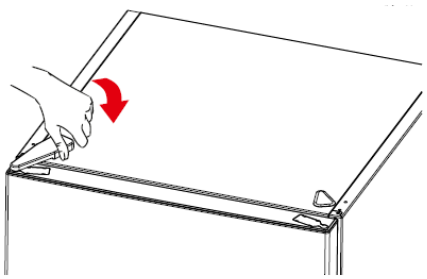
**Picture-14**



**Picture-15**

**15.** Place the top door to the middle hinge and then connect the display connector and screw the top hinge to the top panel. Place the top hinge cover. (Pic-15)





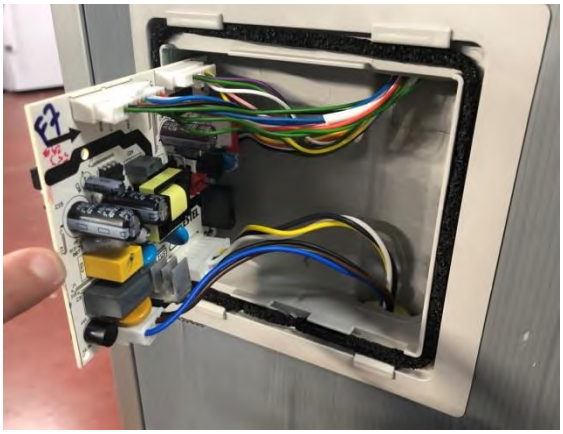
***CAUTION: The plug must be pulled out before the mainboard group is removed.***

**1.** Unscrew the screws which are fixing the main board cover. (Pic-1 / Pic-2)

**Picture-1**

**Picture-2**

**2.** Pull the mainboard slightly forward and disconnect all the connectors and then replace it. Finally, place the mainboard cover and screw it. (Pic-3 / Pic-4)



**Picture-3**

**Picture-4**

**1-** First remove the glass shelves and chiller shelf (Pic-1)

**Picture-1**

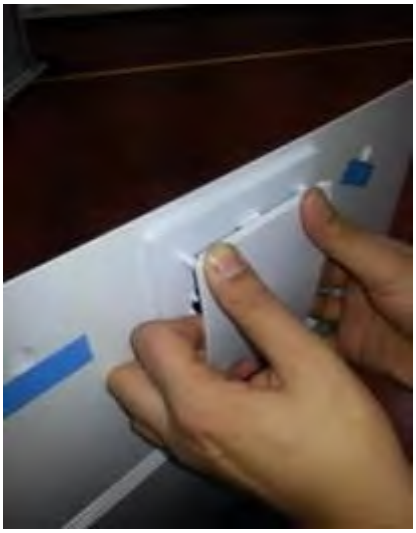
**2-** Remove refrigerator multi-flow caps and unscrew the screws. (Pic-4)

**Picture-2**

**3-** Flex the multi flow by holding the fan cover and remove it. Disconnect the connector after removing the multi flow. (Pic-3)

**Picture-3**

**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**

**Side Led Version**

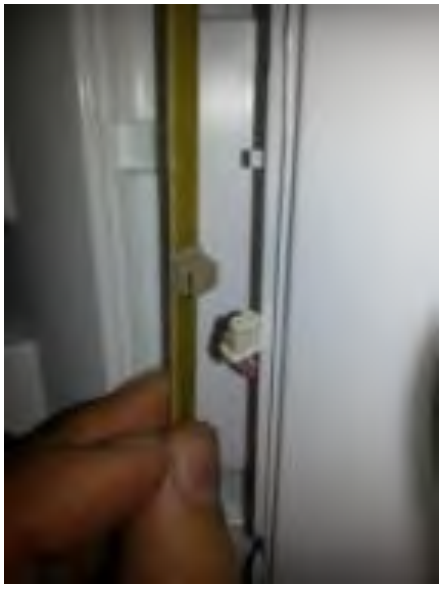
**1.** Stick a tape to protect plastic. Insert a flat screwdriver into the gap and remove the cover. (Pic-1)

**Picture-1**

**2.** Remove the led strip light from its housing. (Pic-2)

**Picture-2**

**3.** Disconnect the connector and change the led light strip. (Pic-3)



**Picture-3**

**4.** First, place the bottom point of the led light strip and then place towards other side.(Pic-4)

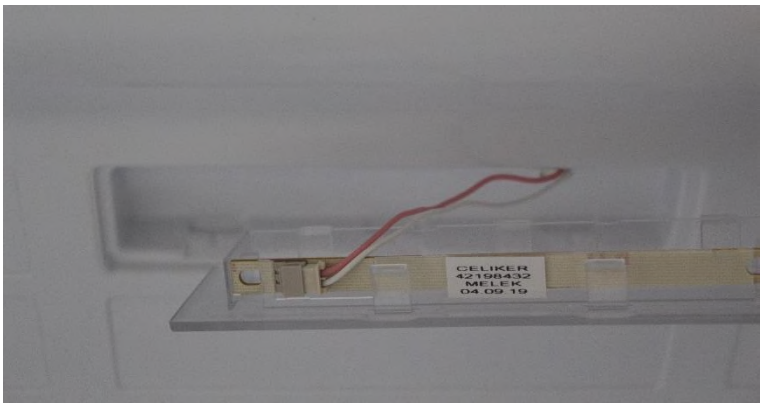
**Picture-4**

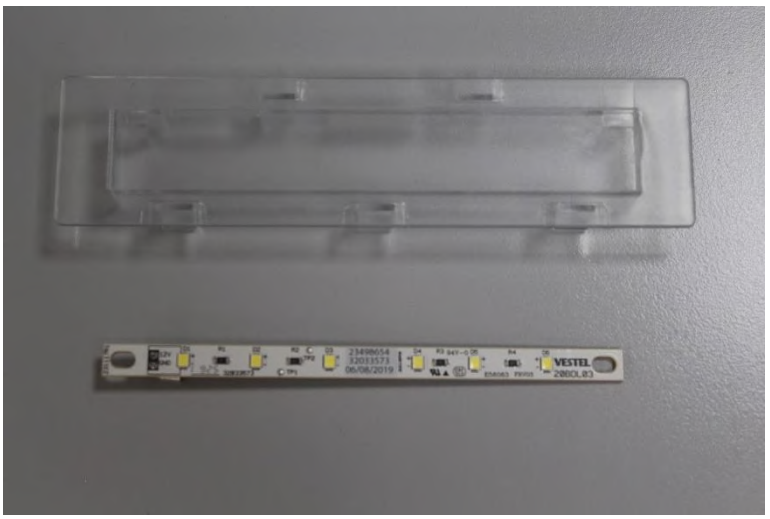
**5.** Reassemble the led cover. (Pic-5)

**Picture-5**

**Top Led Version**

Remove the led cover by pulling forward and disconnect the connector.



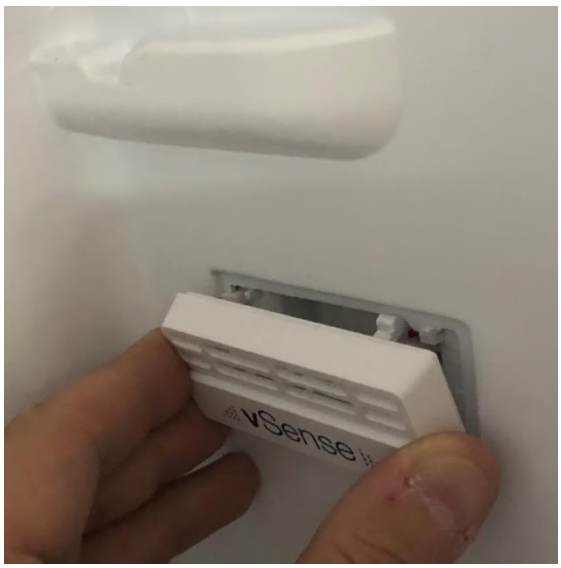



Remove the sensor cover by pulling forward and disconnect sensor connector.

**Refrigerator Sensor**


**Picture-1**

**Picture-2**




**Picture-3**

**Freezer Sensor**

**Picture-1**

**Picture-2**

***CAUTION: Pay attention not to damage to the sensor cover details!***

| | | |
|---|---|---|
| SOGEDIS ELECTROMENAGER | **NF COMBI – 482 ELECTRONIC - IMD** | SOGEDIS ELECTROMENAGER |
| | **Replacement of Freezer Multiflow Cover** | |

**1.** Remove the freezer baskets, freezer glass shelfs and icematic (Pic-1 / Pic-2)

**Picture-1**

**Picture-2**

**2.** Unscrew the screw fixing the multiflow group. (Pic-3)

**3.** Removing the freezer bottom cover by flexing back side of it. (Pic-4)

**Picture-3**

**Picture-4**

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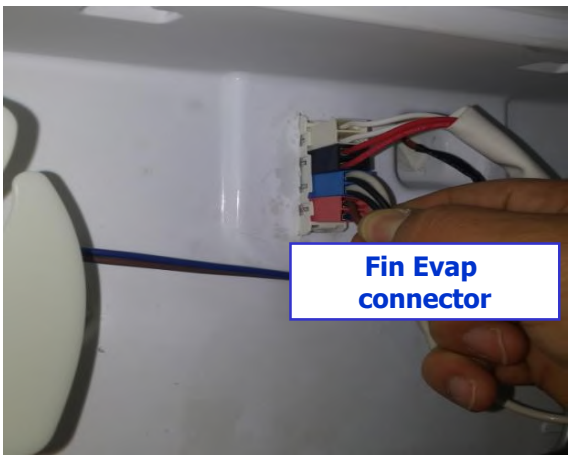
# NF COMBI – 482 ELECTRONIC - IMD

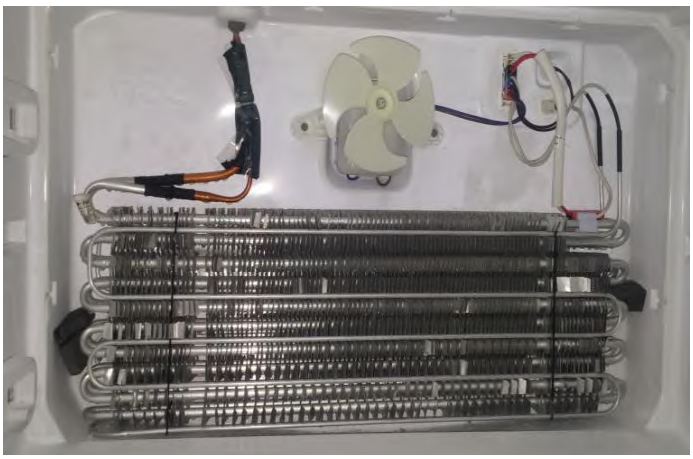
## Replacement of Fin Evaporator Assy

**1.** Disconnect to evaporator connector. (**blue** connector) (Pic-1)




**Picture-1**

**2.** Remove the evaporator by pulling forward in a horizantal dicretion. (Pic-2)

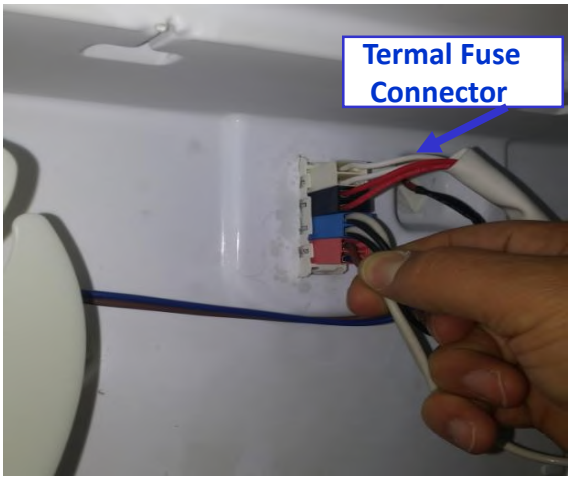


**Picture-2**

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

## Removing The Thermal Fuse

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




**Picture-1**

**2.** Thermal fuse has two details. These details hold on to the pipe.
It could be removed easily.(Pic-2)

**Picture-2**

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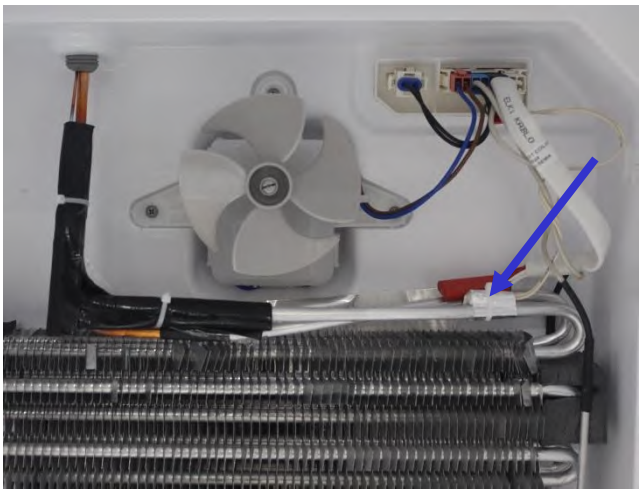
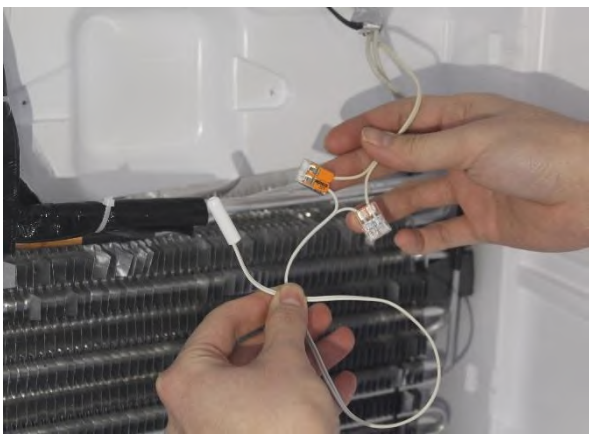
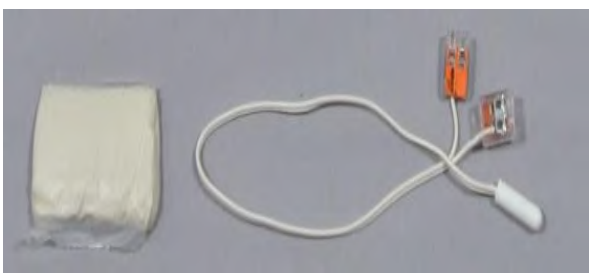
# NF COMBI – 482 ELECTRONIC - IMD

## Removing Fin Evaporator Sensor

Displace the defrost sensor from its location. Cut the end of the sensor cable by using pliers/side cutting pliers.
Connect the cut sensor cable ends to each other as separate clips.
Immobilize the sensor resistance's end its previous position by using cable bant.
In order to prevent oxidation on the metal end of clips. You can use paste which is founded in kit.
Excessive part of the cable should not be left scattered in order not entanglement on the fan motor. It should be fixed with a separate cable bant.







**32030727 - SENSOR SERVICE KIT**

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Take the reed switch out of its place with a screwdriver. Then Disconnect the connectors of the Switch and remove it.

NOTE: Reed Switch is a very sensitive miniature electronic card. So during the assembly and disassembly be carefull not to damage it.

Stick a tape to protect plastic. Insert a flat screwdriver into the gap and remove the reed switch.

NOTE: Reed Switch is a very sensitive miniature electronic card. So during the assembly and disassembly be carefull not to damage it.
During the disassembly of the reed switch, there is a step on the edge of the plastic part which provides easier dissassembly and by that tool it can be taken out from the same place every time.
It must be assembled as this step should be in the invisible(inside of the refrigerator)part. Otherwise The distance which the lamp turn on/off may change.
After the assembly or replacement the service should check if the reed switch is damaged by giving energy and opening and closing the door.

**1.** Unscrew the bottom tray screws and displace it from the compressor basement. After that, remove the fan motor connector. (Pic-1)
**2.** Unscrew the screws fixing the evaporating tray. (Pic-2)
**3.** Remove the evaporating tray to displace the fan motor. (Pic-3)

**Picture-1**

**Picture-2**

**Picture-3**

**4.** Unscrew the fan motor screws. (Pic-4)
**5.** Remove the propeller. (Pic-5,Pic-6)

**Picture-4**

**Picture-5**


**Picture-6**

| | | |
|---|---|---|
| SOGEDIS ELECTROMENAGER | **NF COMBI – 482 ELECTRONIC - IMD**<br>**Removing/Assembling Display** | SOGEDIS ELECTROMENAGER |

***CAUTION: The plug must be pulled out before the display is removed.***

**1.** Display can be removed with the disassembly tool. Do not use any sharp objects to remove the display.

**2.** Disassembly tool code is **42152193** (Pic-1)

**Picture-1**

**3.** Place and fix the disassembly tool on to display and pull to take out the display. (Pic-2)

**Picture-2**

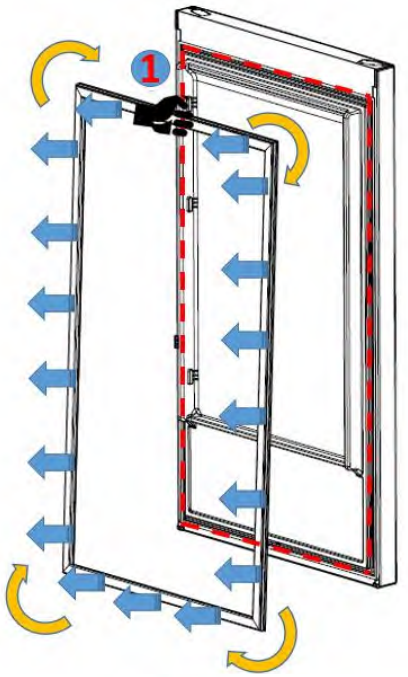
**4.** Take out the display cable socket. (Pic-3)

**Picture-3**

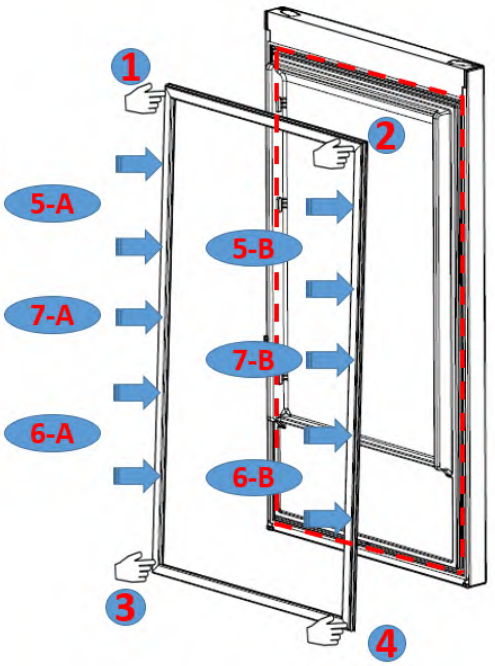
**JANUARY 2021**

## Replacement of Door Gasket

Pull the gasket towards starting from top right corner
Slowly pull the rest of the gasket.
Completely remove the gasket from door.




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




After the replacement check if there any non-fitting point on the gasket. Also check if there any opening at the gasket while the door is closed. If so that might cause condensation/icing or insufficient cooling/freezing. To prevent this soften the form of the gasket with the help of a hair dryer or hot water and make sure that all points are closing perfectly.

Vestel refrigerator serial numbers are consist of 22 digits.