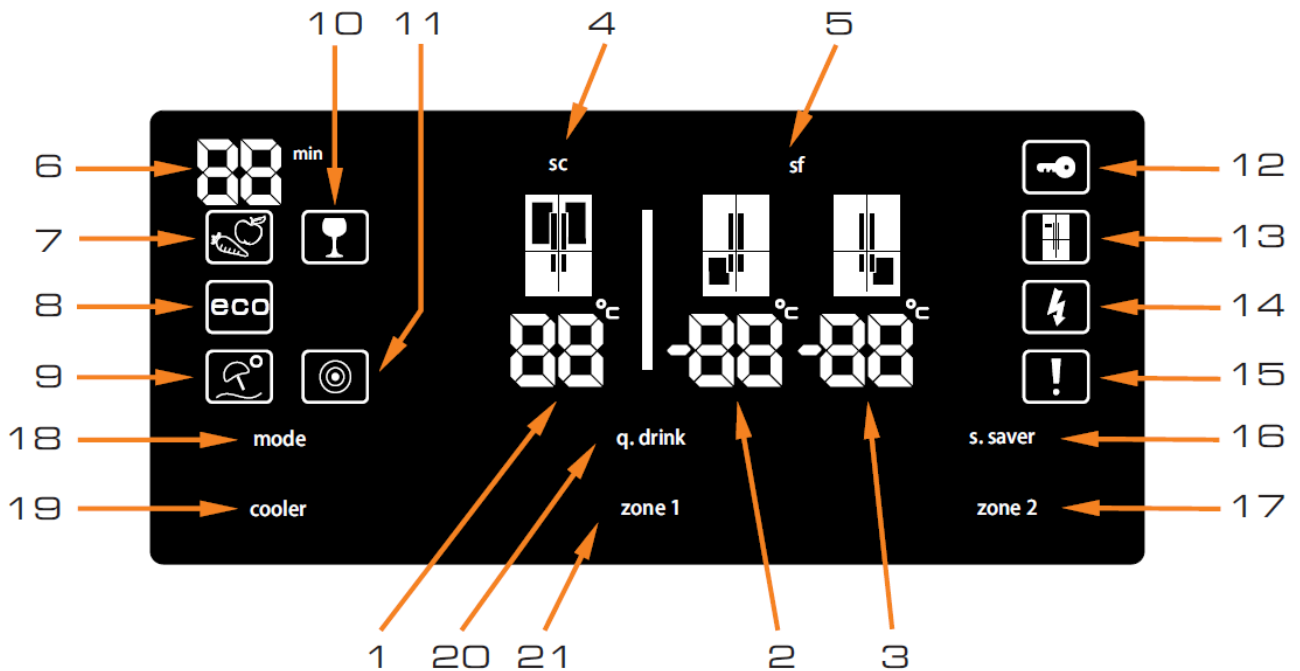




- | | |
|--|-----------------------------------|
| 1. Fridge Compartment Temperature indicator | 12. Child lock |
| 2. Left Freezer Compartment Temperature indicator | 13. Dealer-Demo mode |
| 3. Right Freezer Compartment Temperature indicator | 14. Low voltage warning |
| 4. Super cooling light | 15. Alarm |
| 5. Super freezing light | 16. Screensaver button |
| 6. Qdrink alarm counter | 17. Zone 2 (Right freezer) button |
| 7. Vita Store mode | 18. Mode button |
| 8. Economy mode | 19. Cooler button |
| 9. Holiday mode | 20. Qdrink mode button |
| 10. Qdrink light | 21. Zone 1 (Left freezer)button |
| 11. Night sensor | |

The values on the screen indicate temperature values specified by the consumer.

Standby display is protected against faulty contact. Therefore, you must touch any key on the display before you take any action. After 2 seconds, as in this case, beep-beep tone will be open to display for use. If you wait 20 seconds at the end of the process, display will go back to the same protection case.

	916 – FRENCH DOOR	
	Display and control panel	

Beverage cooling (Q.DRINK)

[q.drink] button should be pressed to activate beverage cooling mode. Each press will increment the time for 5 minutes up to 30 minutes, and then it returns to zero. You can view the time zone you want to set on "Q.drink alarm counter" section. Q.drink mode only lets the refrigerator release an audible alert after a specific period.



Important: It should not be confused with cooling.

You must adjust the time according to the temperature of the bottles before you put them in zone1 and/or zone2 compartments. For example, you can set the time as "5 minutes" in the beginning. After this time, if the cooling is insufficient, you might set another 5 or 10 minutes. While using this mode, you must check the temperature of the bottles regularly. When the bottles are cool enough, you must take them out of the appliance. If you forget bottles in Q.DRINK mode, bottles may explode.

Economic mode (ECO)

It ensures that your refrigerator runs within ideal temperatures. In order to activate "ECO" mode, you should just press [mode] button until "eco and e" light is on.

Holiday mode (H)

It is represented by an umbrella and sun. If you will go to holiday for a long time during which you will not use cooler compartment, you may activate this mode. To switch the appliance to holiday mode, you should just press [mode] button until "holiday symbol and H" light comes on.

Quick freezing (SF SUPERFREEZE)

You should press on [zone1] or [zone2] buttons until "sf" letters are displayed on the display. Once "sf" letters are viewed, a beep sound will be released if you press no button and the mode will be selected. You can use this mode to freeze prepared meals or freeze large amounts of food quickly. Quick freezing mode will automatically be deactivated after 24 hours or once the freezer compartment temperature sensor feels sufficient temperature.



For quick freezing, zone1 compartment should be selected preferably.

Quick cooling (SC SUPERCOOL)

Press cooler button until "sc" letters are viewed on the display. Once "sc" letters are viewed, a beep sound will be released if you press no button and the mode will be selected. You can use this mode to cool prepared meals or cool large amounts of food quickly. Quick cooling mode will be automatically cancelled after 4 or 6 hours depending on the environmental temperature or when the cooler compartment reaches a sufficiently low temperature.

	916 – FRENCH DOOR		
	Display and control panel		

Cooler (COOLER)

It is used for temperature setting of cooler compartment. By pressing [cooler] button, you can set the values of cooler part to 2, 3, 4, 5, 6, 7, 8 Celsius temperature values.

Freezer / Cooler 1 (ZONE 1)

It is temperature setting button for bottom-left compartment. By pressing [zone 1] button freezing value of bottom-left part can be set as -16, -17, -18, -19, -20, -21, -22, -23, -24 Celsius temperature values. If you do not want to use bottom-left part as cooler, press [zone1] button for 3 seconds to switch to this mode, and set to 2, 3, 4, 5, 6, 7, 8 Celsius temperature values.

Freezer (ZONE 2)

It is temperature setting button for bottom-right compartment. By pressing [zone 2] button freezing value of bottom-right part can be set as -16, -17, -18, -19, -20, -21, -22, -23, -24 Celsius temperature values

Child lock (Key Symbol)

In order to activate child lock, you need to press [cooler]+[zone 2] buttons simultaneously for 5 seconds. When the child lock is active, other buttons will be deactivated, and therefore changing the settings you have made will be prevented. In order to deactivate child lock, you, again, need to press [cooler]+[zone 2] buttons simultaneously for 5 seconds.

Screensaver (SCREEN SAVER)

When you press [s.saver] button for 3 seconds, you save energy by utilizing digital indicator panel with its lights off. In order to deactivate the mode, repress [s.saver] button for 3 seconds.

Night sensor

When you press night sensor [mode] and [s.saver] buttons for 3 seconds, your refrigerator’s lights will be OFF in case of sufficient illumination, therefore you will save energy.

Alarm



Once an alarm light comes on, you should contact a service.

	916 – FRENCH DOOR	
	Display and control panel	

Compartment On-Off mode

You can wholly cancel compartments you do not need nor want by checking through indicator panel.

In order to turn off Zone 2 and cooler at the same time, hold [mode] and [zone 2] buttons pressed simultaneously for 5 seconds, and all figures indicating the part turned off will disappear on the digital indicator panel.

In order to turn off Zone 1 compartment, hold [mode] and [zone 1] buttons pressed simultaneously for 5 seconds, and all figures indicating the part turned off will disappear on the digital indicator panel.

In order to turn off just the cooler, hold [mode] and [cooler] buttons pressed simultaneously for 5 seconds, and all figures indicating the part turned off will disappear on the digital indicator panel.

In order to reactivate the turned-off compartment, use the same combination of buttons.

Using a Freezer Compartment as Cooler Compartment Based On Demand

The bottom left compartment on the appliance can be used either as freezer and cooler. You need to press [zone 1] button for 3 seconds to use bottom-left compartment as cooler or freezer what you want

- 

Important : If Zone1 compartment will be converted from freezer to cooler:

 - You should empty the food in the related compartment and leave the door open for 4 hours. Then, food will be placed in the relevant compartment.
 - Baskets and/or shelves removed from the compartment should be re-fitted.

Similarly, in order to utilize any of bottom compartments used as cooler as freezers again, you need to press the related compartment button for 3 seconds.

- 

Important : If Zone1 compartment will be converted from cooler to freezer:

 - You should empty the food in the related compartment and leave the door open for 2 hours. Then, food will be placed in the relevant compartment.
 - When zone 1 compartment used as cooler are switched to Holiday or Economic setting value, it will keep on running as cooler.

Warnings about Temperature Adjustments

- Your temperature adjustments will not be deleted when an energy breakdown occurs.
- It is not recommended that you operate your fridge in environments colder than 10°C in terms of its efficiency.
- Temperature adjustments should be made according to the frequency of door openings, the quantity of food kept inside the fridge and ambient temperature of the place of your fridge.
- Your fridge should be operated up to 24 hours according to the ambient temperature without interruption after being plugged in to be completely cooled. Do not open doors of your fridge frequently and do not place much food inside it in this period.
- 5 minute delaying function is applied to prevent damage to the compressor of your fridge, when you take the plug off and then plug it on again to operate it or when an energy breakdown occurs. Your fridge will start to operate normally after 5 minutes.
- Your fridge is designed to operate in the ambient temperature intervals stated in the standards, according to the climate class stated in the information label. We do not recommend operating your fridge out of stated temperatures value limits in terms of cooling effectiveness.

Climate Class	Ambient temperature oC
T	16 to 43°C
ST	16 to 38°C
N	16 to 32°C
SN	10 to 32°C



*If the ambient temperature is higher than 38°C, the compartment temperature cannot be set to -22°C, -23°C or -24°C.
It can only be set to -16°C, -17°C, -18°C,-19°C, -20°C or -21°C.*

	916 – FRENCH DOOR	
	Display and control panel	

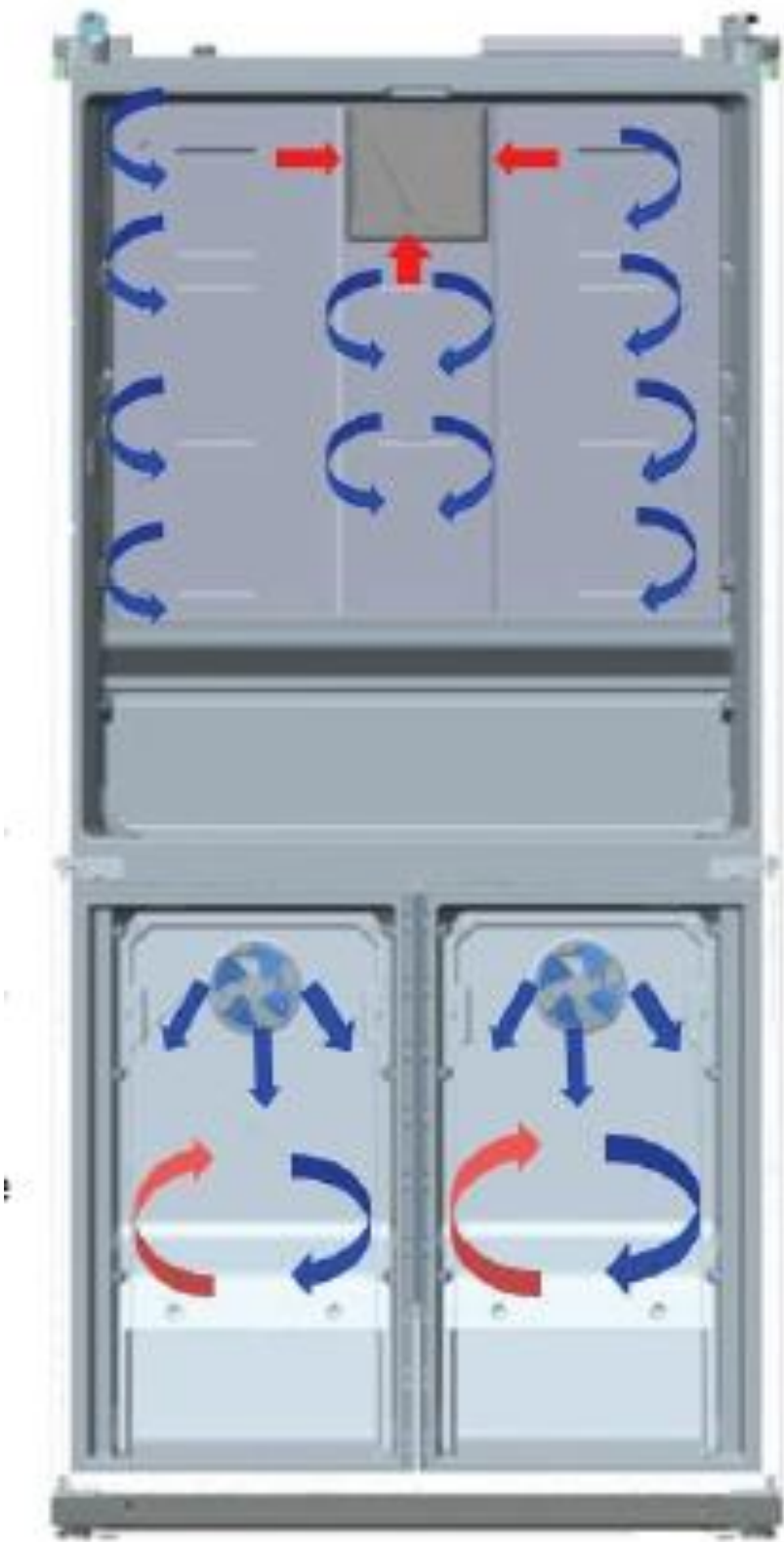
Demo mode

This mode will be use for only sales points by salesman to show functions & modes to customer without operating components as a compressor, fan, etc.

Entering Demo mode :
 Firstly the power is on. Secondly, within 1 minute Push [q.drink] button continuously. During this time, open and close Zone-2 door for 3 times. Then appliance will go on “demo function” and Door light open Symbol will light during the mode.

Canceling Demo mode :
 For cancelling; Same operation will be used. If user will push Zone-2 button continuously, During this time, open and close Zone-2 door for 3 times, demo function will be cancelled. When appliance is Demo mode; if plug is removed or there is an electricity breakdown; demo mode will continue with current settings after user plug into or electricity breakdown finish.



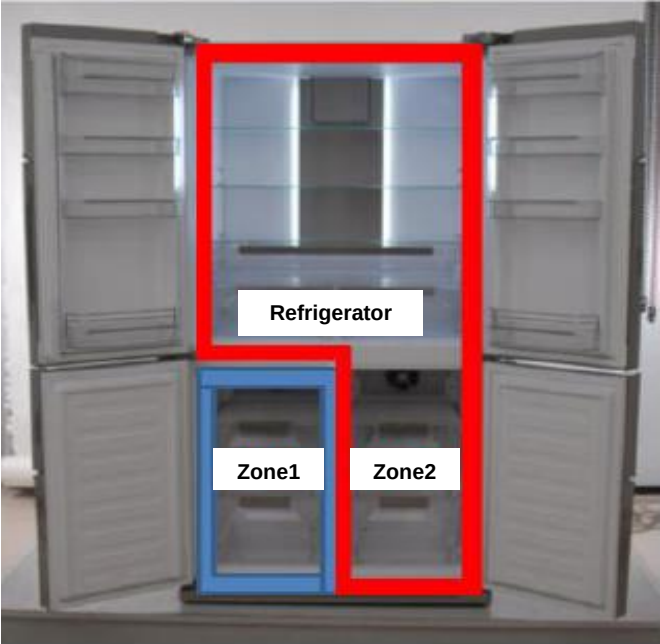
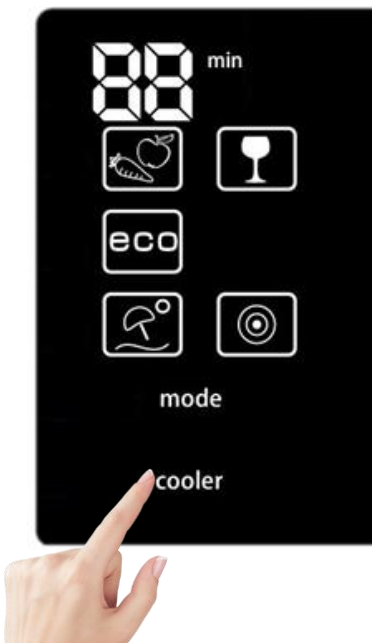


 Blow cold air

 Returning hot air

Entering service mode :

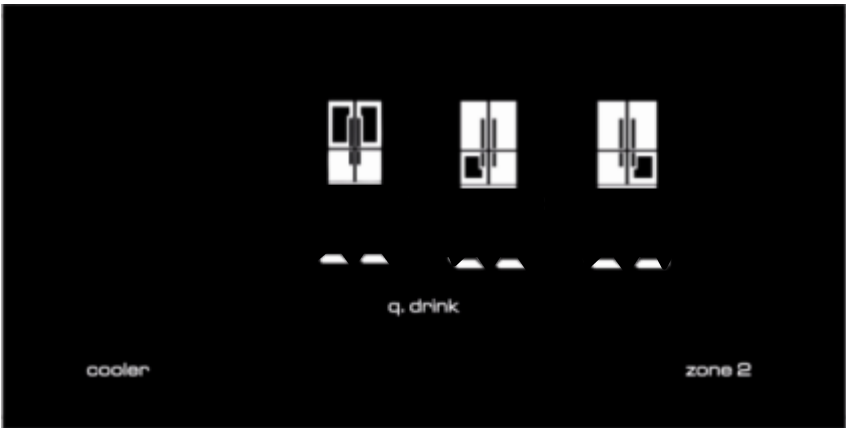
Push cooler button continuously. During this time, open and close Zone-2 Door 3 times for a short time. Please make sure the door to close exactly. Otherwise, it would not be activate.



During service mode :

Buzzer will sound beep for 0.1 sec. each 5 sec. during service mode.
 Temp. segments will show error codes, (service mode reaction). Symbols will be OFF.
 Only Alarm symbol will blink during Service Mode.
 If there is no error , segments will show nothing except of Alarm symbol.
 If service man pushes Quick Drink button he will be able to choose functions listed next page.
 Functions will be set if service man does not push any other button for 1 sec.
 Service man has 4 functions to select. First 4 push of Quick Drink button will activate symbols.
 Service man will cancel mode selection if he stops pushing button on the 5th push.

The ERROR Codes are shown in page 19-20.



1. When push «q.drink» once; Starting program



NOTE: It is necessary to wait for 85 seconds until the end of the process. It can not be canceled.

Economy symbol in display will blink during mode. Multizone_2 segment will show as components are checked. During this step, please use an electricity usage monitor to check the energy consumption of components.

- “01” will light when refrigerator fan is ON
- “02” will light when Multi Zone1 fan motor is ON
- “03” will light when Multi Zone2 fan motor is ON
- “04” will light when compressor is ON
- “05” will light empty
- “06” will light when refrigerator resistance is ON
- “07” will light when R & Water evacuation heater is ON
- “08” will light when Trizbar heater is ON
- “09” will light when Refrigerator Frame heater is ON
- “10” will light when Aku_1 heater is ON
- “11” will light when balance_1&2 heater is ON
- “12” will light empty
- “13” will light when Refrigerator Air Duct heater is ON
- “14” will light when multizone_1 fin evap heater is ON
- “15” will light when Aku_2 heater is ON
- “16” will light when multizone_2 fin evap heater is ON
- “17” will light when middle bracket heater is ON



As starting program finishes, first symbol will be OFF. Appliance will return to initial service mode reaction.

	916 – FRENCH DOOR	
	SERVICE MODE	

2. When push «q.drink» twice; Forced defrost and forced canceling of defrost

Holiday symbol will blink during mode. Defrosting mode will start from Step 3. Mode can be canceled manually or automatically.

Manual canceling will be done by pushing cooler button. Symbol will be OFF if defrost is canceled manually. Appliance will return to initial Service mode reaction.

If manual canceling of this function is not performed in 30 min.

Service mode will be canceled. Appliance will check if defrost is finished in this 30min. If YES, appliance will go on from previous set values. But if defrost is not finished , appliance will go on defrost till it finishes and then go on from previous set values .



3. When push «q.drink» thrice Forced opening and closing of valve

[q.drink] symbol will blink during this mode.

Only the icon of compartment which valve gives the way ON, will blink.

If the service man push zone_2 button, the valve will change to other side way and part icon which valve gives the way ON, will blink.

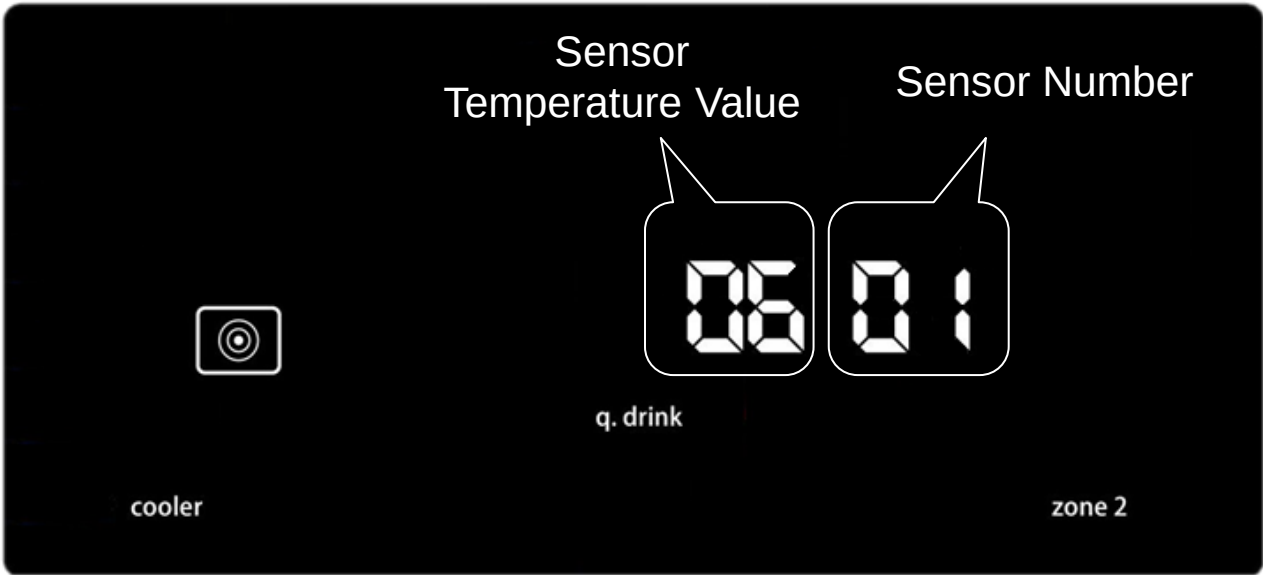
Compressor will run during this mode.

Manual canceling will be done by pushing cooler button. Symbol will be OFF and valve return to initial condition. Appliance will return to initial service mode reaction.



4. When push «q.drink» for four times; Displaying actual temperatures in compartments

Sensor symbol will blink during mode. Service man could change the sensor number by pushing zone2 button



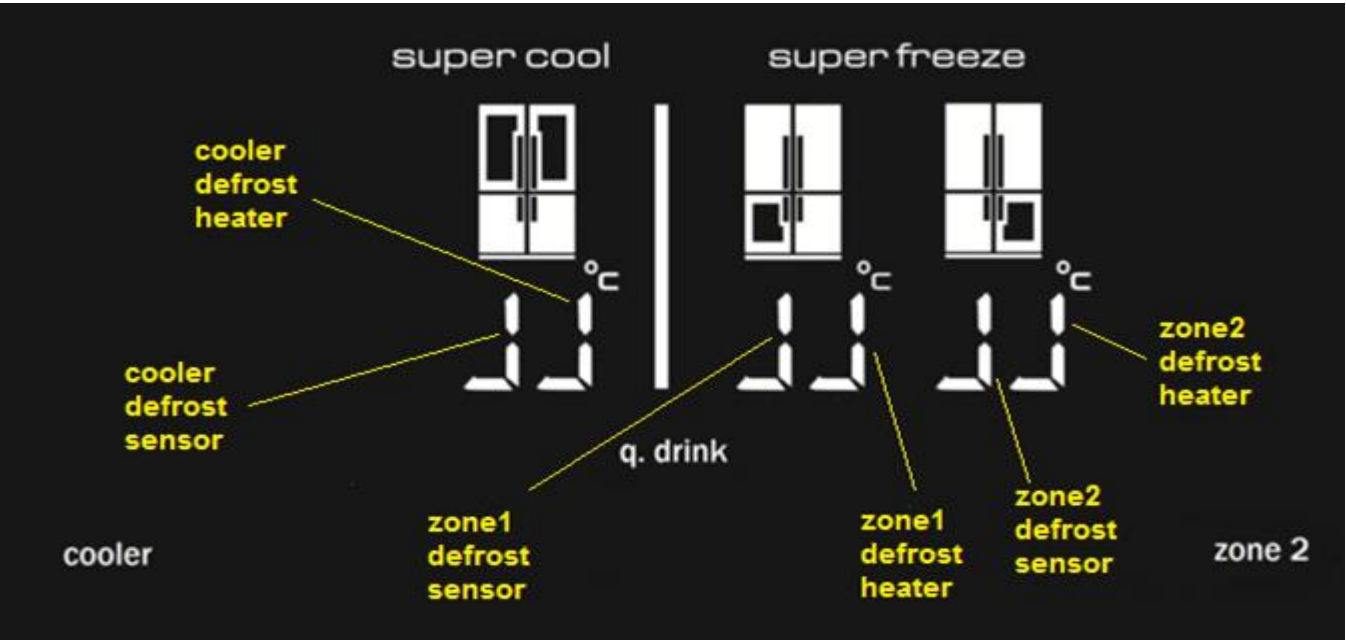
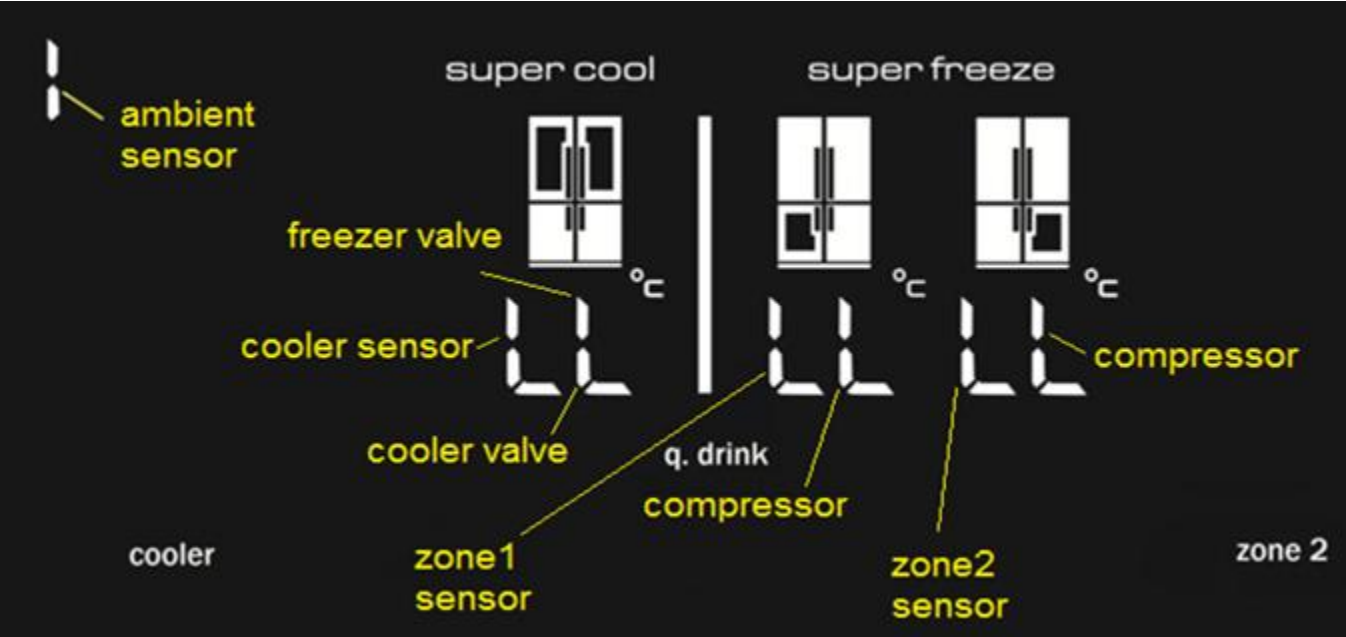
If service man pushes cooler button again, function will be canceled.
Appliance will return to initial service mode reaction

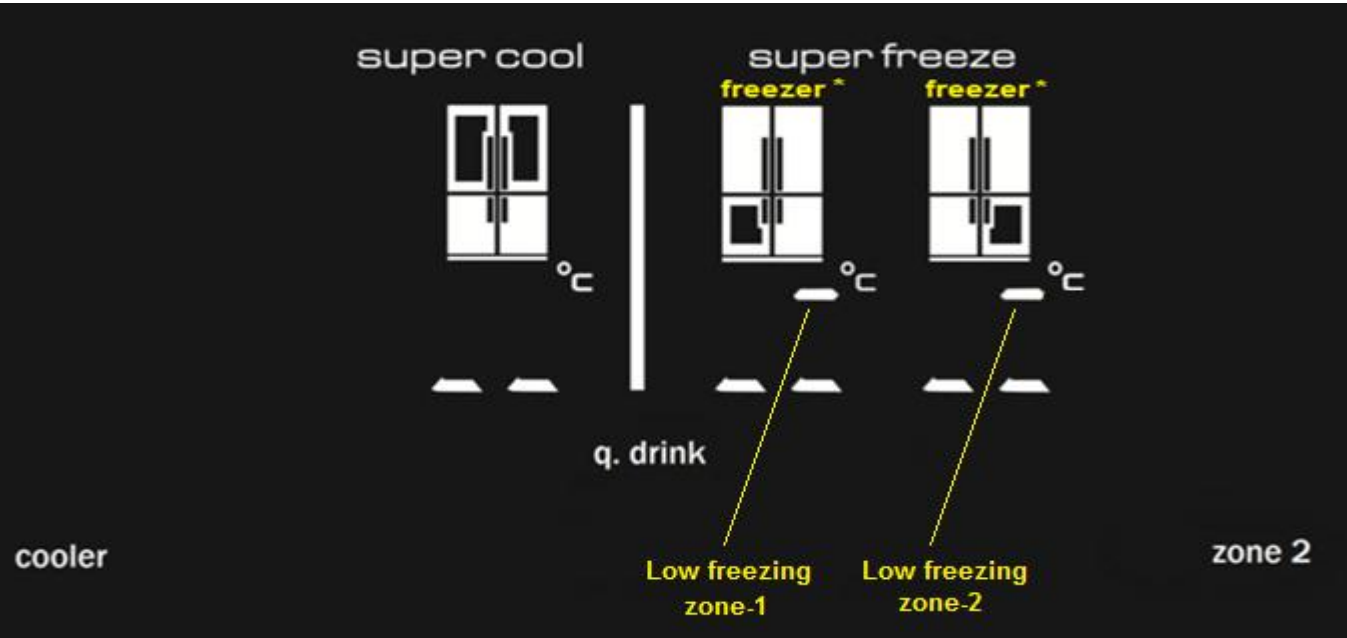
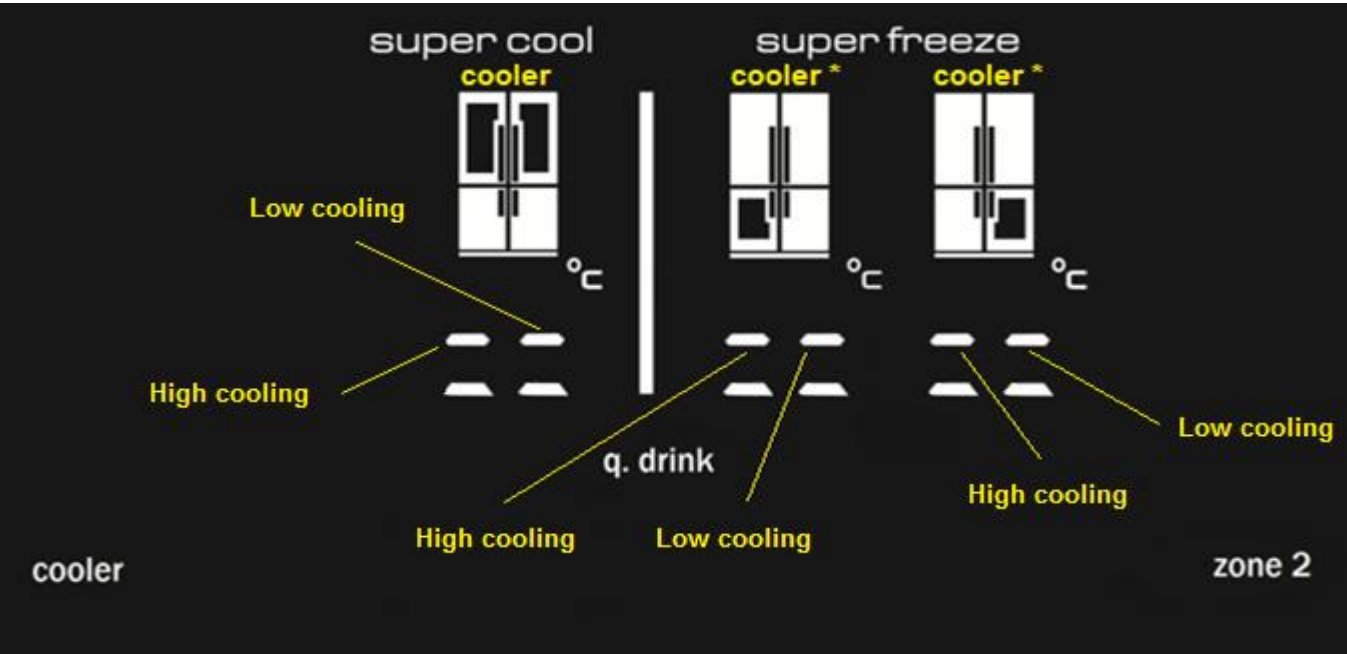
Sensor Temperature Value (Zone 1)	Sensor Number (Zone 2)
	
Cooler compartment sensor temp. °C	"Sensor 1"
Zone-2 sensor temp. °C	"Sensor 2"
Zone-1 sensor temp. °C	"Sensor 3"
Zone-2 defrost sensor temp. °C	"Sensor 4"
Zone-1 defrost sensor temp. °C	"Sensor 5"
(RDS) cooler roll bond evap. sensor temp. °C	"Sensor 6"
Ambient sensor temp. °C	"Sensor 7"

5. Push Empty. No function is set

Alarm symbols on display

After the service mode is activated, the display show the error codes as follows if there is any failure.





	916 – FRENCH DOOR	
	USER AND SERVICE MODE ERROR MESSAGES	

Component defect

ERROR	DETAILS
Compressor Defect	D sensor 1 temp >-8°C (D sensor temp. unchanges for10 min. continuous compressor run and valve position is outlet – 2)
Defrost Heater 1 Defect	If D sensor1 <0°C after 90 min defrost started
Defrost Heater 2 Defect	If D sensor2 <0°C after 90 min defrost started
Serpantin Defect	RDS>-2°C (RDS temp. unchanges for10 min. continuous compressor run and valve position is outlet-1)

Low voltage error on display

DEFECT TYPE	DETAILS
Low voltage	Power supply < 170

Cooling error :

If Zone - 1 and Zone - 2 is used as Freezer compartment :

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.

ERROR	DETAILS
F sensor > -80C	Freezer compartment is not cool enough
R sensor >25°C and if Holiday mode is not active	Refrigerator compartment is warm
R sensörü < -8°C	Refrigerator compartment is so cool
F sensor > -8°C and R sensor >25°C and if Holiday mode is not active	Freezer and Refrigerator compartment both are not cool enough

If Zone - 1 and Zone - 2 is used as Refrigerator compartment :

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.

ERROR	DETAILS
F sensor > 30° C	Freezer M.zone compartment is warm
R sensor >25° C and if Holiday mode is not active	Refrigerator compartment is warm
R sensor <-8° C	Refrigerator compartment is so cold
F sensor < -20° C	Freezer M.zone compartment is so cold
F sensor > 30° C and R sensor >25° C and if Holiday mode is not active	Freezer M.zone compartment and Refrigerator compartment both are not cool enough

For Refrigerator compartment

ERROR	DETAILS
F sensor > -8° C	Freezer compartment is not cool enough
R sensor >25° C and if Holiday mode is not active	Refrigerator compartment is warm
R sensor <-8° C	Refrigerator compartment is so cool
F sensor > -8° C and R sensor >25° C and if Holiday mode is not active	Freezer and Refrigerator compartment both are not cool enough

	916 – FRENCH DOOR	
	USER AND SERVICE MODE ERROR MESSAGES	

NORMAL DEFROST FUNCTION

Calculating defrost starting time

a) If $AT < 23^{\circ}\text{C}$

fix the defrost cycle to 16 hours (running + stopping)

b) If $23^{\circ}\text{C} < AT < 30^{\circ}\text{C}$

If door is not opened;

First Defrost cycle time will be fixed to 20 hours.

Second defrost cycle time will be fixed to 26 hours.

Third and following defrost cycle times will be fixed to 55 hours.

If door is opened at first defrost cycle;

Complete the defrost cycle time to 20hours and Next defrost cycle time will start from 20 hours again (from the beginning).

If door is opened at second or following defrost cycle time, two case can be happen;

If door opened **BEFORE** 20 hours in this cycle;

Complete the defrost cycle time to 20hours and Next defrost cycle time will start from 20 hours again (from the beginning).

If door opened **AFTER** 20 hours in this cycle ;

Immediately start defrost and next defrost cycle time will start from 20 hours again(from the beginning).

c) If $30^{\circ}\text{C} < AT \leq 35^{\circ}\text{C}$;

Defrost cycle is max. 8 hours of compressor running accumulated time.

Minimum defrost cycle time will be 16 hours (running+stopping)

d) $AT \geq 35^{\circ}\text{C}$;

Defrost cycle is max. 12 hours of compressor running accumulated time.

1. Unscrew the screws fixing the left and right top hinge cover. (Fig-1.1 / Fig1.2)
Open the door (about 30°) and remove the hinge covers.

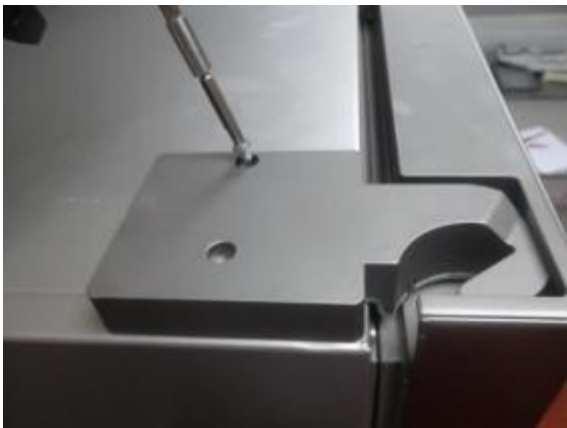


Figure-1.1



Figure-1.2

2. Disconnect the socket connections. (Fig-2.1 / Fig-2.2)



Figure-2.1



Figure-2.2

3. Unscrew the screws fixing the top hinges and remove it. (Fig-3.1 / Fig-3.2)



Figure-3.1



Figure-3.2

4. Remove the refrigerator doors by lifting them up. (Fig-4.1 / Fig-4.2)



Figure-4.1

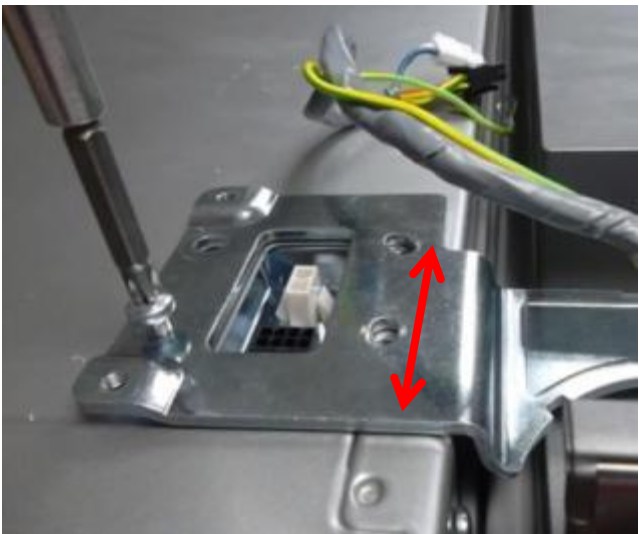


Figure-4.2

Note-1: To re –assembly the doors basically repeat the previous steps backwards. (Steps:4-3-2-1).

Note-2: After installing the upper doors , carefully connect the sockets around hinge area.

Note-3: Three out of Four screw sockets are slotted to let door adjustment.



1. To not damage the paint use some piece of tape to cover left, right and middle of the bottom sheet as shown at below pictures.



Figure-1.1



Figure-1.2

2.To remove the kick plate start from the right side an gently release the plastic holder tab. Then again gently release the middle tab.



Figure-2.1



Figure-2.2

3. Gently release the left tab. To remove the kick plate pull it towards to yourself.

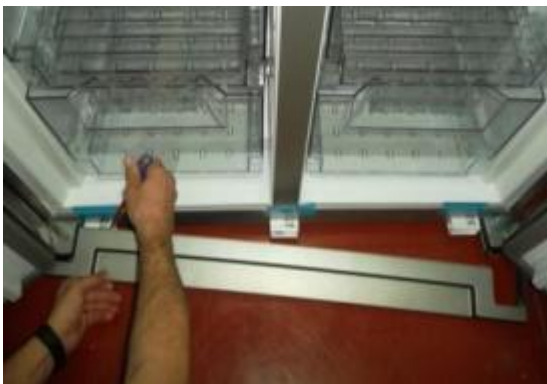


Figure-3.1



Figure-3.2

	916 – FRENCH DOOR	
	Assembly of Kick Plate	

1. Check the kick plate holders, if damaged replace them with new ones.



2. Start mounting from the left side and make sure the tabs on the kick plate are matching with the holders.



1. Remove the right & left bottom door hinge covers with a screw driver.



2. Remove the middle hinge fixing screws with screw driver.



3. Remove the freezer doors by lifting them up.



Removing the Bottom Doors

4. Remove the bottom hinge screws and take out the bottom hinges.



1. Remove the fixing screws of drawer rails.



2. Takeout the rails.



3. Unscrew the air duct fixing screws.



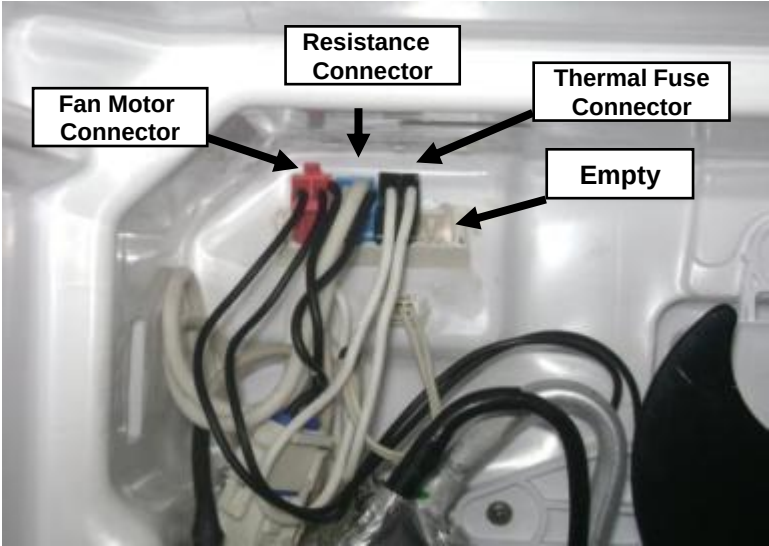
4. Remove the fan protection wire with the help of a screwdriver



5. Pull and take out the air duct cover.

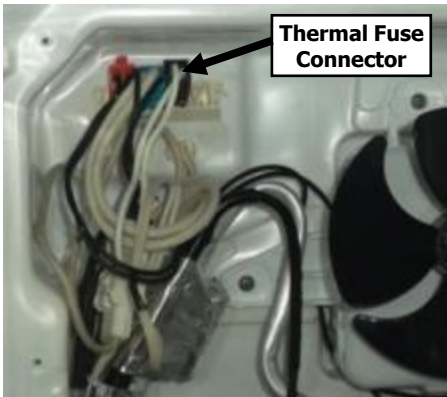


Note: To re –assembly basically repeat the previous steps backwards.



Zone 1 Multi socket connections

1. Take out the putty on the socket.
2. Take out the thermal fuse connector (Black connector)



3. Cut off the thermal fuse fixing cable holder.
4. Take out the thermal fuse.



5. Remove the defrost sensor socket.



6. Cut off the cable holder and remove the sensor.



7. Unscrew the fan motor fixing screws



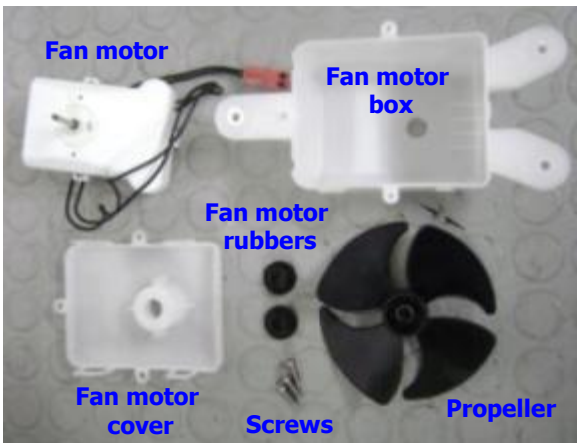
8. Remove the fan motor connector (pink connector)

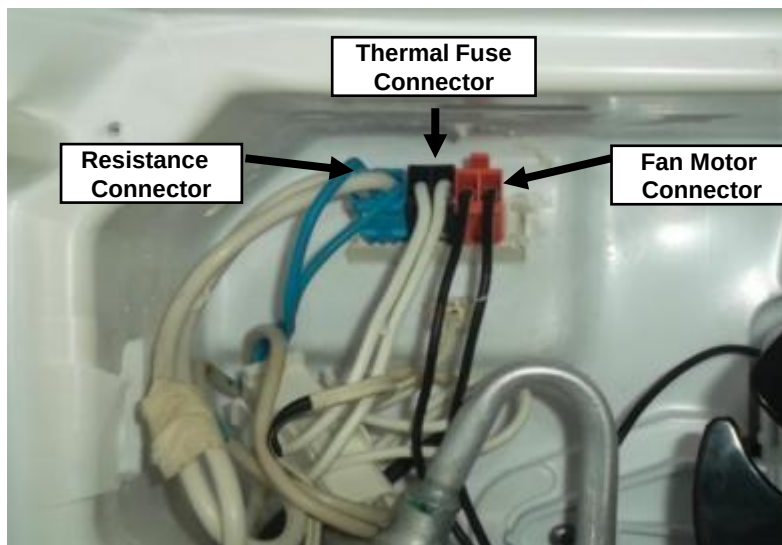


9. Take out the fan motor



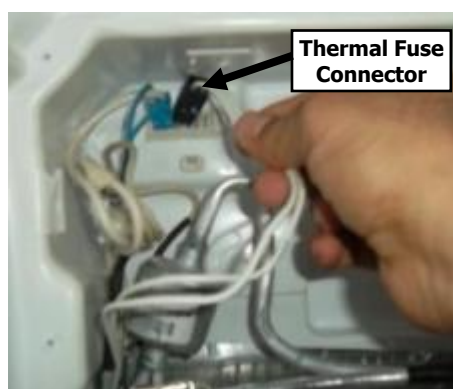
10. Fan motor parts are below





Zone 1 Multi socket connections

1. Take out the putty on the socket.
2. Take out the thermal fuse connector (**Black** connector)



3. Cut off the thermal fuse fixing cable holder.
4. Take out the thermal fuse.



5. Remove the defrost sensor socket.



6. Cut off the cable holder and remove the sensor.



7. Unscrew the fan motor fixing screws



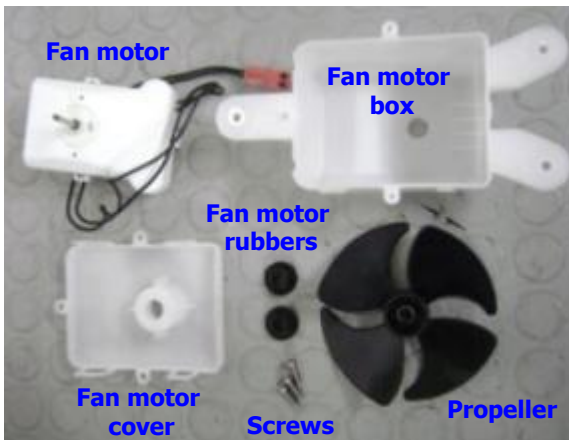
8. Remove the fan motor connector (pink connector)



9. Take out the fan motor



10. Fan motor parts are below



Replacement of Fin Evap. Tray Resistance

1. Disconnect the tray resistance connection



2. Pull the evaporating to release it from the holders.



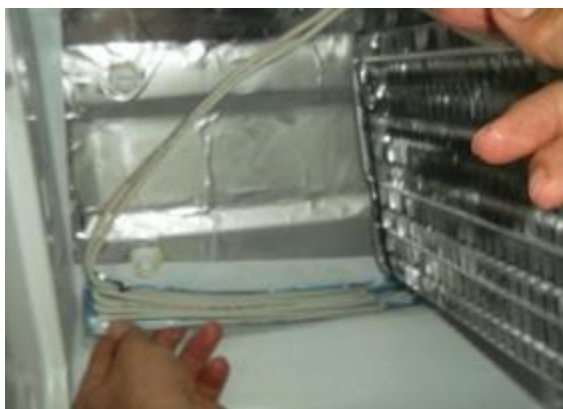
3. Carefully flim the evaporator to the left side.



4. Slowly pull the tray resistance.



Not: Resistance used at the Zone 1 and Zone 2 are different in terms of power and design, they are not interchangeable.



	916 – FRENCH DOOR	
	Replacement of Main Board	

Warning: Make sure the unit is unplugged

1. Remove the mainboard cover screws placed at the top of the unit and take the



2. Mainboard socket connections are described as below.

3. Remove the connection sockets carefully and remove the mainboard.

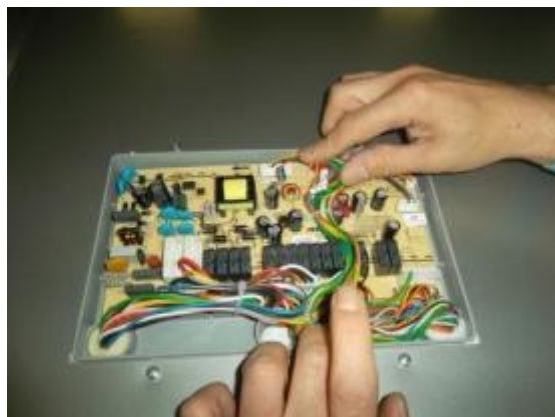


Not: All sockets are different on the main board .They are not interchangeable.

4. Replace the main board.



5. Connect the sockets



6. Tidy up the cables, place the cover and fix the screws.



	916 – FRENCH DOOR	
	Replacement of Display	

Warning: Make sure the unit is unplugged

1. Display can be removed with the disassembly tool. Do not use any sharp objects to remove the display.
2. Disassembly tool code is **42082456**



3. Place and fix the disassembly tool on to display and pull to take out the display.



4. Take out the display cable socket.



	916 – FRENCH DOOR	
	Replacement of Display	

5. Back view of the display card



6. Connect the display cable, place and fit the display card and push until the holders are placed.



6. Check if there any elevation around the corner.



	916 – FRENCH DOOR	
	Replacement of Door Led Strip (inside)	

1. Led lightning at the inner side of the door plastics are shown at below picture.



2. Remove the screws



3. LEDs at the inner side of the doors are fixed with double sided tape.



4. Remove the led strip sticker with a sharp tool.



5. Take out the socket and remove the led strip.



Note: Carefully connect the bottom door led sockets. If the sockets wont connect carefully or connected upside down the led will not operate.

	916 – FRENCH DOOR	
	Replacement of Trizbar	

Trizbar is placed on the upper left door. There are two sliding connection point at the top and bottom of the trizbar. There is a DC 12V resistance inside the trizbar. Trizbar should have replaced as a group.

1. Hold the trizbar as showed and lift with both hands for dismantling.



2. Resistance socket is at the upper connection point.

3. Trizbar pin fits to the mechanism at the upper side of the refrigerator cabinet.



4. Remove the fixing screws of the mechanism and take out from the body for replacement.



	916 – FRENCH DOOR	
	Replacement of Door Reed Switch	

There are two switches at the upper section , one at the left side other at the right side.

1. Remove the switch and holder with the help of a thin tipped screwdriver as showed below.



2. After removing the switch , take out the cable sockets for replacing.



Note: While placing the switch black part should have been at the outer side.

There are two switches at the lower sections , one at the upper side of the Zone 1 other at upper side of the Zone 2. Replacement method is the same with others.



	916 – FRENCH DOOR	
	Replacement of Sensors	

Ambient Sensor is placed at the left top of the unit.

1- Remove the refrigerator sensor cover by pulling forward.



2- Remove the sensor by hand and remove the sensor connector.



Refrigerator Sensor is placed at the inner left side of the refrigerator section.

1 - Remove the refrigerator sensor cover by pulling forward.



2- Remove the sensor by hand and remove the sensor connector.



Note: Make sure that cover holder details not broken while removing/placing.

	916 – FRENCH DOOR	
	Replacement of Sensors	

Zone -1 sensor is placed at the inner right back side of Zone -1.

1- Remove the refrigerator sensor cover by pulling forward.



2- Remove the sensor by hand and remove the sensor connector.



Zone -2 sensor is placed at the inner left back side of Zone -2.

1- Remove the refrigerator sensor cover by pulling forward.



2- Remove the sensor by hand and remove the sensor connector.



Note: Make sure that cover holder details not broken while removing/placing.

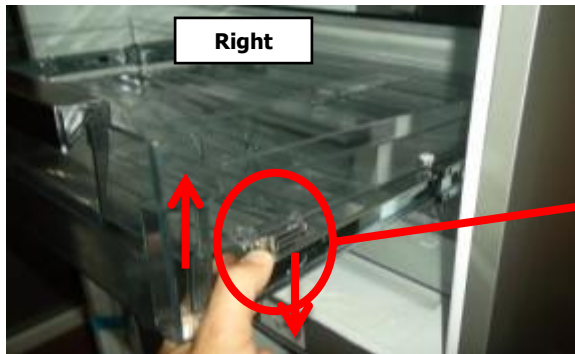
1- Open the refrigerator doors and pull the chiller towards.



2-Push the chiller upwards while pushing the telescopic rail downwards to release the holder.



3 - Push the chiller upwards while pushing the telescopic rail downwards to release the holder.



4 - After releasing the chiller from the front holders pull the chiller.



5- Release the chiller from the rail holders by pulling it towards.



Details of front & back holders

