



**SEUK  
SEWA  
SSA**

RB28F\*  
RB29F\*  
RB29H\*  
RB30F\*  
RB31F\*  
RB31H\*  
RB32F\*  
RB33F\*  
RB34F\*  
RB39F\*  
RB37J\*

# Refrigerator user manual

English

imagine the possibilities

Thank you for purchasing a Samsung product.

**Free Standing Appliance**

**SAMSUNG**

# safety information

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## **SAFETY INFORMATION**

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- Before operating the appliance, please read this manual thoroughly and retain it for your reference.
  - Use this appliance only for its intended purpose as described in this instruction manual. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
  - This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your appliance.
  - Because these following operating instructions cover various models, the characteristics of your refrigerator may differ slightly from those described in this manual. R-600a or R-134a is used as a refrigerant. Check the compressor label on the rear of the appliance or the rating label inside the fridge to see which refrigerant is used for your refrigerator. When this product contains flammable gas (Refrigerant R-600a), contact your local

authority in regard to safe disposal of this product.

- In order to avoid the creation of a flammable gas-air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance may be sited depends on the amount of refrigerant used.
  - Never start up an appliance showing any signs of damage. If in doubt, consult your dealer. The room must be 1 m<sup>3</sup> in size for every 8 g of R-600a refrigerant inside the appliance.  
The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.
  - Refrigerant squirting out of the pipes could ignite or cause an eye injury. When refrigerant leaks from the pipe, avoid any naked flames and move anything flammable away from the product and ventilate the room immediately.
- Failing to do so may result in fire or explosion.

## Important safety symbols and precautions:

 WARNING	Hazards or unsafe practices that may result in <b>severe personal injury or death.</b>
 CAUTION	Hazards or unsafe practices that may result in <b>minor personal injury or property damage.</b>
	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions carefully.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.
	Call the contact center for help.
	Note.

**These warning signs are here to prevent injury to you and others. Please follow them carefully. After reading this section, keep it in a safe place for future reference.**

### **CE Notice**

This product has been determined to be in compliance with the Low Voltage Directive(2006/95/EC), the Electromagnetic Compatibility Directive (2004/108/EC), RoHS Directive (2011/65/EU), Commission Delegated Regulation (EU) No 1060/2010 and the Eco-Design Directive(2009/125/EC) implemented by Regulation (EC) No 643/2009 of the European Union. (For products sold in European Countries only)



### **SEVERE WARNING SIGNS FOR TRANSPORTATION AND SITE**

- ★ • When transporting and installing the appliance, care should be taken to ensure that no parts of the

refrigerating circuit are damaged.

- Refrigerant leaking from the pipe work could ignite or cause an eye injury. If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.
- This appliance contains a small amount of isobutane refrigerant(R-600a), a natural gas with high environmental compatibility that is, however, also combustible. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.



### **SEVERE WARNING SIGNS FOR INSTALLATION**

- ☐ • Deteriorated insulation of electrical parts may cause an electric shock or fire.
- Do not place this refrigerator in direct sunlight or expose to the heat from stoves, room heaters or other appliance.

- Do not plug several appliances into the same multiple power board. The refrigerator should always be plugged into its own individual electrical outlet which has a voltage rating that matched the rating plate.
  - This provides the best performance and also prevents overloading house wiring circuits, which could cause a fire hazard from overheated wires.
  - If the wall socket is loose, do not insert the power plug.
  - There is a risk of electric shock or fire.
  - Do not use a cord that shows cracks or abrasion damage along its length or at either end.
  - Do not pull or excessively bend the power cord.
  - Do not twist or tie the power cord.
  - Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.
  - When moving the refrigerator, be careful not to roll over or damage the power cord.
  - This may result in an electric shock or fire.
  - Do not use aerosols near the refrigerator.
  - Aerosols used near the refrigerator may cause an explosion or fire.
  - Do not bend the power cord excessively or place heavy articles on it.
- 
- ★ • This refrigerator must be properly installed and located in accordance with the manual before it is used.
  - Do not install the refrigerator in a damp place or place where it may come in contact with water.
  - Deteriorated insulation of electrical parts may cause an electric shock or fire.
  - Connect the power plug in proper position with the cord hanging down.
  - If you connect the power plug upside down, wire can get cut off and cause a fire or an electric shock.
  - Make sure that the power

plug is not squashed or damaged by the back of the refrigerator.

- When moving the refrigerator, be careful not to roll over or damage the power cord.
- This constitutes a fire hazard.
- Keep the packing materials out of reach of children.
- There is a risk of death from suffocation if children put them on their head.
- This appliance should be positioned in such a way that it is accessible to the power plug.
- Failing to do so may result in an electric shock or fire due to electric leakage.
- Do not install this appliance near a heater, inflammable material.
- Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops).
- Do not install this appliance in a location where gas may leak.
- This may result in an electric shock or fire.
- If any dust or water is in the

refrigerator, pull out power plug and contact your Samsung Electronics service center.

- Otherwise there is a risk of fire.
- Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.
- This may result in an electric shock, fire, problems with the product, or injury.



- This appliance must be properly grounded.
- Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.
- You must ground the refrigerator to prevent any power leakages or electric shocks caused by current leakage from the refrigerator.
- This may result in an electric shock, fire, explosion, or problems with the product.
- Never plug the power cord into a socket that is not grounded correctly and make sure that it is in accordance

with local and national codes.



- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The fuse on the refrigerator must be changed by a qualified technician or service company.
- Failing to do so may result in an electric shock or personal injury.



### CAUTION SIGNS FOR INSTALLATION



- Keep ventilation opening in the appliance enclosure or mounting structure clear of obstruction.
- Allow the appliance to stand for 2 hours after installation.
- The installation or any service of this appliance is recommended by a qualified technician or service company.
- Failing to do so may result in an electric shock, fire, explosion, problems with the product, or injury.



### SEVERE WARNING SIGNS FOR USING



- Do not touch the power plug with wet hands.
  - This may result in an electric shock.
  - Do not store articles on the top of the appliance.
  - When you open or close the door, the articles may fall and cause a personal injury and/or material damage.
  - Do not put items filled with water on the refrigerator.
  - If spilled, there is a risk of fire or electric shock.
  - Do not touch the inside walls of the freezer or products stored in the freezer with wet hands.
  - This may cause frostbite.
  - Do not use or place any substances sensitive to temperature such as inflammable sprays, inflammable objects, dry ice, medicine, or chemicals near the refrigerator.
- Do not keep volatile or inflammable objects or substances (benzene, thinner, propane gas, alcohol, ether, LP gas and other

such products etc.) in the refrigerator.

- This refrigerator is for storing food only.
- This may result in a fire or an explosion.
- Do not store pharmaceuticals products, scientific materials or temperature-sensitive products in the refrigerator.
- Products that require strict temperature controls must not be stored in the refrigerator.
- Do not place or use electrical appliance inside the refrigerator/freezer, unless they are of a type recommended by the manufacturer.
- If you smell pharmaceutical or smoke, pull out power plug immediately and contact your Samsung Electronics service center.
- If any dust or water is in Refrigerator, pull out power plug and contact your Samsung Electronics service center.
- Otherwise there is a risk of fire.
- If gas leak is detected, avoid

any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.

- Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not spray volatile material such as insecticide onto the surface of the appliance.
  - As well as being harmful to humans, it may also result in an electric shock, fire or problems with the product.
- Do not use a hair dryer to dry the inside of the refrigerator. Do not place a lighted candle in the refrigerator for removing bad odours.
  - This may result in an electric shock or fire.
- Fill the water tank, ice tray and water cubes only with potable water (mineral water or purified water).
  - Do not fill the tank with tea, juice or sports drink, this may

damage the refrigerator.

- Do not let children hang on the door. If not, a serious injury may occur.
- Risk of children entrapment. Do not let children enter inside the refrigerator.
- Do not leave the doors of the refrigerator open while the refrigerator is unattended and do not let children enter inside the refrigerator.
- Do not allow babies or children go inside the drawer.
- It can cause death from suffocation by entrapment or personal injury.
- Do not sit on the Freezer door.
- The door may be broken and cause a personal injury.
- Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not put fridge shelf in upside down. Shelf stopper could not work.
- It may cause a personal injury

because of glass shelf drop.

- ★ • In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power plug. Do not touch the appliance or power cord.
- Do not use a ventilating fan.
- A spark may result in an explosion or fire.
- Use only the LED Lamps provided by manufacturer or service agent.
- Children should be supervised to ensure that they do not play with the appliance.
- Keep fingers out of “pinch point” areas; clearances between the doors and cabinet are necessarily small.
- Do not let children hang on the door. If not, a serious injury may occur.
- There is a Risk of children entrapment. Do not let children enter inside the refrigerator.
- Bottles should be stored tightly together so that they do not fall out.

- This product is intended only for the storage of food in a domestic environment.
- Never put fingers or other objects into the dispenser hole, ice chute and ice maker bucket.
- It may cause a personal injury or material damage.
- Do not insert hands, feet or metal objects (such as chopsticks, etc.) into the bottom or the back of the refrigerator.
- This may result in an electric shock or injury.
- Any sharp edges may cause a personal injury.



- Do not attempt to repair, disassemble, or modify the appliance yourself.
- Do not use any fuse (such as cooper, steel wire, etc.) other than the standard fuse.
- When repairing or reinstalling the appliance is required, contact your nearest service center.
- Failing to do so may result in an electric shock, fire, problems with the product, or injury.



- If the appliance generates a strange noise, a burning or smell or smoke, unplug the power plug immediately and contact your nearest service center.
- Failing to do so may result in an electric or fire hazards.
- Pull the power plug out of the socket before changing the interior lamps of the refrigerator
- Otherwise, there is a risk of electric shock.
- If you experience difficulty when changing the light, contact service agent.
- If the products is equipped with the LED Lamp, do not disassemble the Lamp Cover and LED Lamp by yourself.
- Please contact your service agent.
- Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord or loose wall socket.
- This may result in an electric shock or fire.
- Do not put a container filled with water on the appliance.

- If spilled, there is a risk of fire or electric shock.
- Never stare directly at the UV LED lamp for long periods of time.
- This may result in eye strain due to the ultraviolet rays.



## CAUTION SIGNS FOR USING

- ★
  - To get best performance from the product,
- Do not place foods too closely in front of the vents at the rear of the appliance as it can obstruct free air circulation in the refrigerator compartment.
- Wrap the food up properly or place it in airtight containers before putting it into the refrigerator.
- Do not put any newly introduced food for freezing near to already existing food.
- Do not place glass or bottles or carbonated beverages into the freezer.
- The container may freeze and break, and this may result in injury.
- Please observe maximum storage times and expiry

- dates of frozen goods.
- There is no need to disconnect the refrigerator from the power supply if you will be away for less than three weeks.  
But, remove all the food if you are going away for the three weeks or more.  
Unplug the refrigerator and clean it, rinse and dry.
- Do not place carbonated or fizzy drinks in the freezer compartment.  
Do not put bottles or glass containers in the freezer.
- When the contents freeze, the glass may break and cause personal injury and property damage.
- Do not change or modify the functionality of the refrigerator.
- Changes or modifications may result in a personal injury and/or property damage.  
Any changes or modifications performed by a 3rd party on this completed appliance are neither covered under Samsung warranty service, nor is Samsung responsible for safety issues and damages that result from 3rd

party modifications.

- Do not block air holes.
  - If the air holes are blocked, especially with a plastic bag, the refrigerator can be over cooled.
- Use only the ice-maker provided with the refrigerator.
- Wipe excess moisture from the inside and leave the doors open.
  - Otherwise, odor and mold may develop.
- When the refrigerator got wet by water, pull out the power plug and contact your Samsung Electronics service center.



## CAUTION SIGNS FOR CLEANING AND MAINTENANCE

-  • Do not spray cleaning products directly on the display.
  - Printed letters on the display may come off.
- If any foreign substance such as water has entered the appliance, unplug the power plug and contact your nearest service center.
  - Failing to do so may result in

an electric shock or fire.

- Remove all foreign substances such as dust or water from the power plug terminals and contact points using a dry cloth on a regular basis.
  - Unplug the power plug and clean it with a dry cloth.
  - Failing to do so may result in an electric shock or fire.
- Do not clean the appliance by spraying water directly onto it.
- Do not use benzene, thinner, or Clorox, Chloride for cleaning.
  - They may damage the surface of the appliance and may cause a fire.
- Never put fingers or other objects into the dispenser hole.
  - It may cause a personal injury or material damage.



- Before cleaning or performing maintenance, unplug the appliance from the wall socket.
  - Failing to do so may result in an electric shock or fire.



## SEVERE WARNING SIGNS FOR DISPOSAL



- Leave the shelves in place so that children may not easily climb inside.
- Ensure that none of the pipes on the back of the appliance are damaged prior to disposal.
- R-600a or R-134a is used as a refrigerant.

Check the compressor label on the rear of the appliance or the rating label inside the refrigerator to see which refrigerant is used for your refrigerator.

When this product contains flammable gas (Refrigerant R-600a), contact your local authority in regard to safe disposal of this product.

Cyclopentane is used as an insulation blowing gas.

The gases in insulation material require special disposal procedure.

Please contact your local authorities in regard to the environmentally safe disposal of this product.

Ensure that none of the pipes

on the back of the appliances are damaged prior to disposal.

The pipes shall be broken in the open space.

- When disposing of this or other refrigerator/s, remove the door/door seals, door latch so that children or animals cannot become trapped inside.

Children should be supervised to ensure that they do not enter and play with the appliance.

- If trapped inside, the child may become injury and suffocate to death.

- Please dispose of the packaging material for this product in an environmentally friendly manner.

- Keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.

- If a child places a bag over its head, it may result in suffocation.



## ADDITIONAL TIPS FOR PROPER USAGE

- In the event of a power failure, call the local office of your Electricity Company and ask how long it is going to last.
- Most power failures that are corrected within an hour or two will not affect your refrigerator temperatures. However, you should minimize the number of door openings while the power is off.
- But should the power failure last more than 24 hours, remove all frozen food.
- If keys are provided with the refrigerator, the keys should be kept out of the reach of children and not be in the vicinity of the appliance.
- The appliance might not operate consistently (possibility of defrosting of contents or temperature becoming too warm in the frozen food compartment) when sited for an extended period of time below the cold end of the range of temperature for which the refrigerating appliance is designed.
- Do not store food which goes bad easily at low temperature, such as bananas, melons.
- Your appliance is frost free, which means there is no need to manually defrost your appliance, as this will be carried out automatically.
- Temperature rise during defrosting can comply with ISO requirements. But if you want to prevent an undue rise in the temperature of the frozen food while defrosting the appliance, please wrap the frozen food up in several layers of newspaper.
- Any increase in temperature of frozen food during defrosting can shorten its storage life.
- Do not re-freeze frozen foods that have thawed completely.
- The temperature of two star section (sections) or compartment (compartments) which have two star symbol (  ) is slightly higher than other freezer compartment (compartments).

The two star section (sections) or compartment (compartments) is (are) based on the instruction and/or the condition as delivered.

### **Saving Energy Tips**

- Install the appliance in a cool, dry room with adequate ventilation.  
Ensure that it is not exposed to direct sunlight and never put it near a direct source of heat (radiator, for example).
- Never block any vents or grilles on the appliance.
- Allow warm food to cool down before placing it in the appliance.
- Put frozen food in the refrigerator to thaw.  
You can then use the low temperatures of the frozen products to cool food in the refrigerator.
- Do not keep the door of the appliance open for too long when putting food in or taking food out.  
The shorter time for which the door is open, the less ice will form in the freezer.
- Allow clearance to the right,

left, back and top when installing.

This will help reduce power consumption and keep your energy bills lower.

- For the most efficient use of energy, please keep the all inner fittings such as baskets, drawers, shelves on the position supplied by manufacturer.

### **This appliance is intended to be used in household and similar applications such as**

- staff kitchen areas in shops, offices and other working environments;
- farm houses and by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments;
- catering and similar non-retail applications.

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## setting up your refrigerator

### GETTING READY TO INSTALL THE REFRIGERATOR

Congratulations on the purchase of your Samsung Refrigerator.

We hope you will enjoy the many state-of-the-art features and efficiencies that this new appliance has to offer.

- This refrigerator must be properly installed and located in accordance with the manual before it is used.
- Use this appliance only for its intended purpose as described in this instruction manual.
- We strongly recommend that any servicing be performed by a qualified individual.
- Please dispose of the packaging material for this product in an environmentally friendly manner.

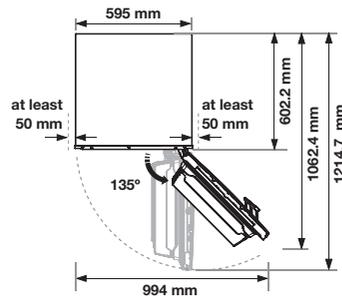
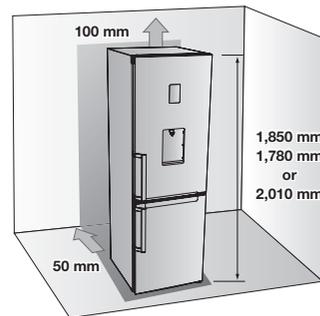
**WARNING**  • Pull the power plug out of the socket before changing the interior light of the refrigerator.

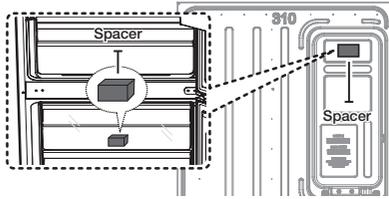
- Otherwise, there is a risk of electric shock.

### Selecting the best location for the refrigerator

- Select a location without direct exposure to sunlight.
- Select a location with level (or nearly level) flooring.
- Select a location with enough space for the refrigerator doors to open easily.

- Allow sufficient space to install the refrigerator on a flat surface.
- If your refrigerator is not level, the internal cooling system may not work correctly.
- Overall space required in use. Refer to drawing and dimension as below.





- 
  - Remove paper on spacer and then attach a spacer (Gray block) on the back side of refrigerator for better performance. Make sure a spacer fix like above image when you install the refrigerator. It is improving the refrigerator performance. (Only for RB31F\*\*\*B, RB29F\*\*\*B, RB37J\*\*\*9\*\* model)
- 
  - Allow sufficient space to the right, left, back and top for air circulation. This will help reduce power consumption and keep your energy bills lower.
- Do not install the refrigerator where the temperature will go below 10 °C.
- Please ensure that appliance can be moved freely in the event of maintenance & service.

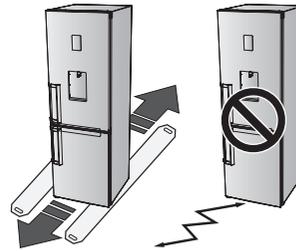
**CAUTION**  When installing, servicing, or cleaning behind the refrigerator, be sure to pull the unit straight out and push back in straight after finishing. Also, make sure your floor supports the full-load refrigerator. Otherwise, it may cause floor damage.

**CAUTION**  Please tie up the extra length of the power cord at the back of the refrigerator so as not to be touched on the floor preventing the power cord from being crushed by the rollers upon relocation.

## FLOORING

For proper installation, this refrigerator must be placed on a level surface of hard material that has the same height as the rest of the flooring. This surface should be strong enough to support a fully loaded refrigerator (or approximately 65 kg). To protect the floor finish, cut a large section of the cardboard carton and place it under the refrigerator where you are working.

- 
  - Pulling or pushing the refrigerator may damage the floor. Moving the refrigerator after installation may damage the floor.



- 
  - When you move the refrigerator, the Power Cord should be fixed with the fixer of the back side.

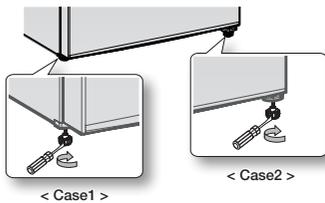


## LEVELLING THE REFRIGERATOR

If the front of the appliance is slightly higher than the rear, the door can be opened and closed more easily.

Case 1) The appliance tilts down to the left.  
Turn the left adjusting leg in the direction of the arrow until the appliance is level.

Case 2) The appliance tilts down to the right.  
Turn the right adjusting leg in the direction of the arrow until the appliance is level.



## SETTING UP THE REFRIGERATOR

Now that you have your new refrigerator installed and in place, you are ready to set up and enjoy the full features and functions of the appliance.

By completing the following steps, your refrigerator should be fully operational.

If not, first check the power supply and electricity source or try the troubleshooting section at the back of this user guide.

If you have any further questions, contact your Samsung Electronics service center.

1. Place the refrigerator in an appropriate location with reasonable clearance between the wall and the refrigerator.  
Refer to installation instructions in this manual.
2. Before using the refrigerator please remove the shelf corner covers shown on below figure.  
(The covers are used to secure your refrigerator during transportation).



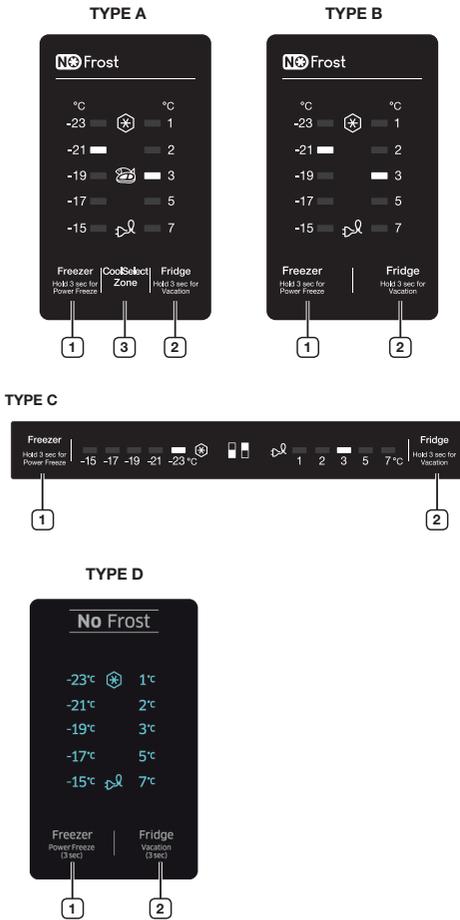
3. Once the refrigerator is plugged in, make sure the interior light comes on when you open the doors.
4. Set the temperature control to the coldest temperature and wait for an hour.  
The freezer should get slightly chilled and the motor should run smoothly.
5. After powering the refrigerator, it will take a few hours to reach the appropriate temperature.  
Once the refrigerator temperature is sufficiently cool, you can store food and drink in the refrigerator.



After powering the refrigerator, the alarm will sound. Press Freezer or Fridge button. (Only for Coolselect zone function model)  
Refer to on page page 19 "Using the control Panel".

# operating your refrigerator

## USING THE CONTROL PANEL



### 1 Freezer

Press the Freezer button to set the freezer to desired temperature from range between -15 °C and -23 °C. Default set temperature is set on -19 °C and each time you press the Freeze button, temperature will be changed in the following order and temperature indicator will display the desired temperature.



Press this button for 3 seconds to activate the Power Freeze function.

Power Freeze indicator ( ) will light up and the refrigerator will speed up the time to needed to freeze products in the freezer.

This function will be activated for 50 hours and freezer indicator will not change display.

This function switches off automatically.

When the Power freeze process is completed, the Power freeze indicator switches off and the freezer switches back to the previous temperature setting. When you use this function, the energy consumption will increase.

Remember to turn it off when you do not need it and return the freezer to your original temperature setting. To deactivate this function, press the Freezer button for 3 seconds.

If you need to freeze large amount of food stuff, activate Power Freeze function 20 hours before.

Each time you press a button on the control panel, you will hear a short beep.

When you do not press any button, the LEDs of Freezer, Fridge and CoolSelect Zone become turned off for the minimum energy consumption. But LEDs of Power Freeze and Vacation are turned on at the corresponding functions.  
(Only for RB29\*\*\*\*B, RB31\*\*\*\*B, RB32\*\*\*\*B model)

## 2 Fridge

Press the Fridge button to set the fridge to desired temperature between 1 °C and 7 °C. Default set temperature is set on 3 °C and each time you press the Fridge button, temperature will be changed in the following order and temperature indicator will display the desired temperature.



Press this button for 3 seconds to activate the Vacation function. Vacation indicator (  ) will light up and the refrigerator will set the temperature to under 17 °C to minimize you are going on a long vacation or business trip or you do not need to use the refrigerator. While Vacation function is activated, freezer compartment remains on. Vacation function will be automatically deactivated if you adjust fridge temperature while Vacation function is on. Make sure to remove foods in the fridge compartment before using Vacation function.



While Vacation function is activated, Cool Select Zone does not work. Vacation function is deactivated, Coolselect Zone function will be activated.

## 3 Coolselect Zone

Press Coolselect Zone button to activate the Coolselect Zone function.

Coolselect Zone indicator (  ) will light up and then you can store meat and fish.

Press Coolselect Zone button again, Coolselect Zone indicator (  ) will light off and then you can store vegetable.

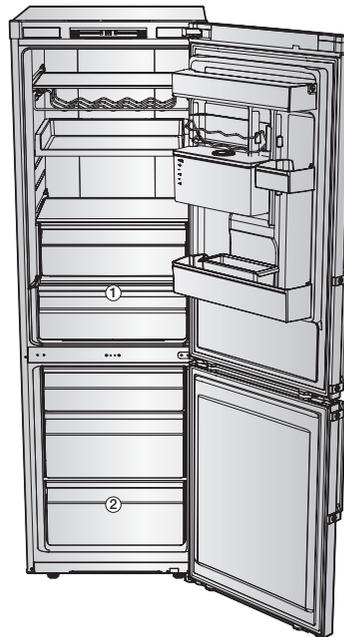


While Vacation function is activated, pressing Coolselect Zone button does not work.

## Temperature Alarm

(Only for Coolselect zone function model, RB37J5\*\*9\*\*, RB37J5\*\*5\*\*)

- When the freezer compartment is too warm because there has been a power failure, the temperature LED are blinking and the alarm sounded. Press Freezer or Fridge button to stop them.
- This warning may occur:
  - When the refrigerator is turned on.
  - The freezer compartment is too warm due to a power failure.



- Some of the feature such as Water tank and Cool Select Zone ( **1** ) can be different and may not be available depending on the model.
- The fruits or the vegetables could get frozen in Cool Select Zone. (Optional)
- To freeze large quantities of food quickly, use the very bottom drawer ( **2** ) where food freezes particularly quickly.

## ADDITIONAL SHELF



If the additional shelf is provided in optional, you can remove all drawers except for the bottom drawer ( 2 ) and place the additional shelf just above the bottom drawer. It does not affect thermal and mechanical characteristics. A declared storage volume of the freezer compartment is calculated with these parts removed for the additional shelf provided models.



## USING THE FOLDABLE SHELF (OPTIONAL)

You can tuck in the foldable shelf if you need to accommodate taller containers or products on the shelf underneath.

1. Slightly lift up the shelf and slide it inward.
2. You can simply pull the tucked in shelf to use the fully extended shelf.



Foldable shelf can fall out of the refrigerator, be careful when use and cleaning.

## FEATURES OF THE FREEZER COMPARTMENT

### Frozen-food mark on the Door panel



The figures above to the symbols indicate the permitted storage period of the produce in months. When purchasing frozen produce, observe the date of manufacture or sell-by date.

### Freezing food

Freeze fresh, undamaged food only. Keep food which is to be frozen away from food which is already frozen. To prevent food from losing its flavour or drying out, place in airtight containers.

### Packing food correctly:

1. Place the food in the packaging.
2. Press out all the air.
3. Seal the wrapping.
4. Label the wrapping with the contents and date.

### The following products are not suitable for wrapping food:

Wrapping paper, greaseproof paper, cellophane, refuse bags and used shopping bags.

### The following products are suitable for wrapping food:

Plastic film, polyethylene blown film, aluminium foil and freezer tins. These products can be purchased from your dealer.

### The following products are suitable for sealing the wrapped food:

Rubber bands, plastic clips, string, cold-resistant adhesive tape or similar. Bags and polyethylene blown film can be sealed with a film sealer.

## Shelf life of frozen food

Storage duration depends on the type of food.  
At a temperature setting of -18 °C:

- Fresh Poultry(whole chicken), Fresh meat (steaks, Roasts) : up to 12 months
- Fish(Lean fish, Cooked fish), Fresh shrimp, scallops, squid: up to 6 months
- Pizza, Sausage: up to 2 months

Storage duration is referred to FDA web site (<http://www.fda.gov/>).



- If you do not follow this period, you will have food poisoning sounds a bit extreme.

## Purchasing and storing deep-frozen food

When purchasing frozen food, observe the following:

- Check that the packaging is not damaged.
- Check the sell-by date.
- The temperature of the supermarket freezer should be below -18 °C or lower. If not, the shelf life of the frozen food is reduced.
- Purchase deep-frozen food last. Wrap food in newspaper or place in a cool bag and take home.
- At home immediately place deep-frozen food in the freezer compartment. Consume the frozen food before the use-by date expires.

## Thawing frozen food

Depending on the type and application, select one of the following options:

- At room temperature.
- In the refrigerator.
- In an electric oven, with/without fan assisted hot-air.
- In a microwave oven.



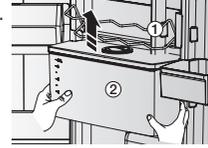
Do not refreeze food which is beginning to thaw or which has already thawed. The food cannot be refrozen until it has been prepared (boiled or fried).

Do not store the frozen products longer than the max storage period.

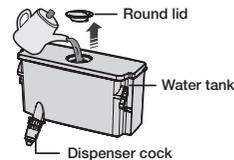
## USING THE WATER DISPENSER (OPTIONAL)

With the water dispenser, you can obtain chilled water easily without opening the refrigerator door.

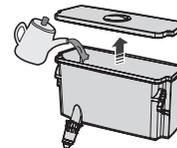
- Lift up the Can Carry ( 1 ).
- Lift up and pull out the water tank ( 2 ).
- Hold the handgrips on both sides to lift out the water tank.
- Clean the inside of water tank before using it for the first time.
- Fill the water tank with water, ensuring that it is in a stable position, allowing for the extended water supply outlet.
- Fill with water up to 4.5 L. If it is filled higher than this, it may overflow when the lid is closed.
- If water dripping occur after first filling, the water tank pour some water approximately 500 ml.
- It is impossible to fill the tank with water while it is positioned in the refrigerator.



- Method 1.
- Fill the water lifting the round lid in the arrow direction to open.



- Method 2.
- Please fill the water after holding and lifting the large lid to open it.



When assembling the water tank after cleaning, make sure the Dispenser is well sealed. It may cause water leak.

- Close the refrigerator door after fitting the water tank.
- Confirm that the dispenser cock is outside after closing the door.



Fix water tank to the fridge door tightly. If not, water tank may not be operate correctly. Do not use the refrigerator without the water tank. If not, it may cause an efficiency problem.

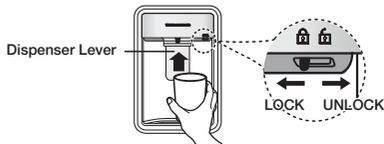


Do not fill anything other than water as mineral water or purified water in the water tank.

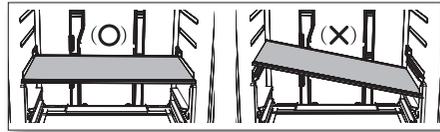
- Place a glass underneath the water outlet and push gently against the dispenser lever with your glass. Make sure the glass is in line with the dispenser to prevent the water from bouncing out.



Check that the locking device is set to "UNLOCK". Water can only be dispensed on this setting.



## REMOVING THE INTERIOR PARTS



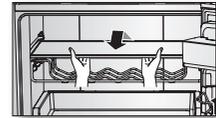
When assembling, put fridge shelves in the correct position and do not put them upside down. It may cause a personal injury or material damage.



When you put the shelves back, make sure the side with the label "Front" on it face the front of the refrigerator.

### Shelves

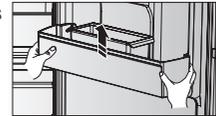
Gently lift up the shelves with both hands and pull it toward you. (Glass shelf)



Do not put the shelves upside down or backwards. There is a risk of falling.

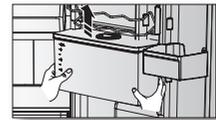
### Door guards

Firmly grab the door guards with both hands and lift it up gently to remove the door guards.



### Water tank

Lift up the Can Carry and then firmly grab the water tank with both hands and lift it up towards you gently to remove the water tanks.



Water tank may not be available depending on the model.

## Drawers

Pull the drawers out fully then slightly lift it up to remove the drawers.



- If the drawers get stuck to door, remove drawer by lifting up after remove shelves.

## CLEANING THE REFRIGERATOR



**WARNING**

Do not use Benzene, Thinner or Clorox™ for cleaning.

They may damage the surface of the appliance and can create a risk of fire.



**CAUTION**

Do not spray the refrigerator with water while it is plugged in, as it may cause an electric shock. Do not clean the refrigerator with benzene, thinner or car detergent for risk of fire.

1. Unplug the power cord of the refrigerator.
2. Slightly dampen a soft lint-free cloth or paper towel with water.



Do not use any kind of detergent to clean the refrigerator because that can discolor or damage the refrigerator.

3. Wipe the inside and outside of refrigerator until it is clean and dry.
4. Plug the power cord of the refrigerator.



When water dispenser do not come out water, push on top of the water tank down slightly.



## REPLACING THE LED LAMP

When the interior or exterior LED lamp has gone out, do not disassemble the lamp cover and LED lamp by yourself.



Please contact your service agents.

# reversing the door (optional)

## REVERSING THE DOOR (OPTIONAL)

Before you reverse the refrigerator door, make sure to unplug the refrigerator. Samsung recommends that reversing of the door opening is only completed by Samsung approved Service providers. This will be on a chargeable basis and at the customers expense.



Any damage caused while attempting to reverse the door opening is not covered under the appliance manufactures warranty.

Any repairs requested due to this circumstance will be completed on a chargeable basis at the customers expense.

1. Before attempting to reverse the refrigerator doors ensure that the refrigerator is disconnected from the main electricity supply and all food stuffs are emptied from inside the appliance.
2. If the customer does not feel confident to follow instruction in the user manual, a Samsung qualified service engineer must be contacted to carry out this change.
3. Do not plug in Refrigerator just after door reverse finished process and wait for at least one hour.

### Required Tools

Not provided		
Phillips Head Driver (+)	Flat Head Driver (-)	11 mm Wrench (for hinge shaft)
Not provided	Additional part	
8 mm Socket Wrench (for bolts)	Hinge Cover / Cap Space Door	

### Disassembly of the refrigerator door

1. Remove the Cover Wire Door.



\* RB37\* model only



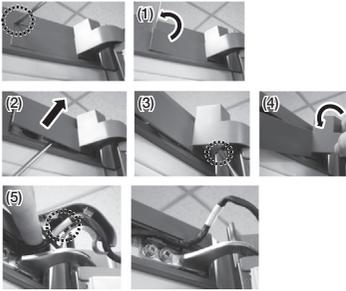
2. Disassemble the Cap space Door.



\* RB37\* model only



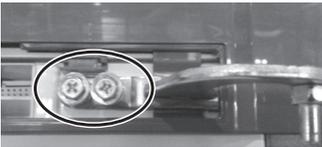
3. Remove the Cover Hinge to push a hook like below Pictures.
  - Insert a flat-head screwdriver and put it back as shown in Figure #1.
  - As shown in Figure #2, Lever up the cover and push a hook as shown in Figure #3. (Take care not to damage the CoverHinge Wire by pushing it too hard)
  - Disassemble it by pushing the A in Figure #4 by hand as Figure #5.



4. Disconnect the wiring connector for the fridge door. (Only on models with external display).



5. Remove the screws.  
(Be careful not to drop the door when you disassemble it.)



6. Remove the fridge door from the middle hinge by carefully lifting the door straight up.



The door is heavy, be careful not to injure yourself when removing the door.

7. Disassemble the middle hinge by removing the screws using a Phillips Head (+) screwdriver.



The freezer door may fall forward so please support the door.

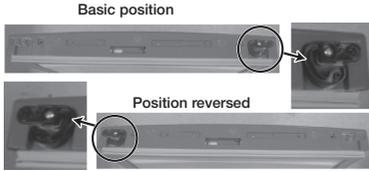
8. Remove the freezer door from the bottom hinge by carefully lifting the door straight up.



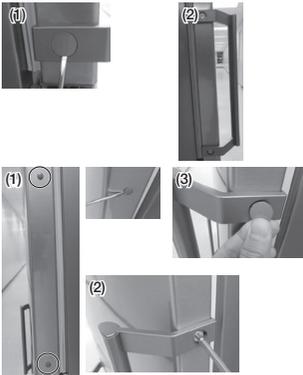
The door is heavy, be careful not to injure yourself when removing the door.

9. Switch the handles from the left to the right. Remove the screw on the bottom right side of the Fridge and Freezer Door Switch Lever Auto Closer from the right to the left. (Lever Auto closer, Screws each one.)





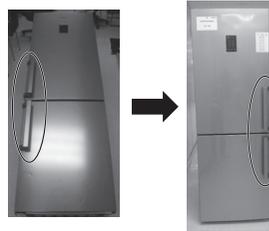
10. Remove the Cap Handle and the Screws by Flat-Head (-) screwdriver.



 Remove the Cap by Flat-Head (-) screwdriver and assemble the Handle and Cap-Handle.

 **CAUTION** Be careful the Scratch, when disassembling the Cap.

11. Assemble the Cap.



12. Switch the position of cap screw and cap. Pull out using a thin flat screwdriver.



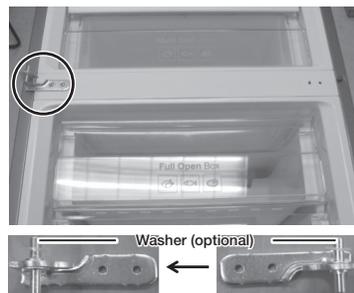
 **CAUTION** Be careful not to injure yourself during operation.

13. Lay the refrigerator carefully on it's back. Remove the leg (unscrew in an anti-clockwise direction) and the Hinge Low.



 To protect the refrigerator damage, cut a large section of the cardboard carton and place it under the refrigerator.

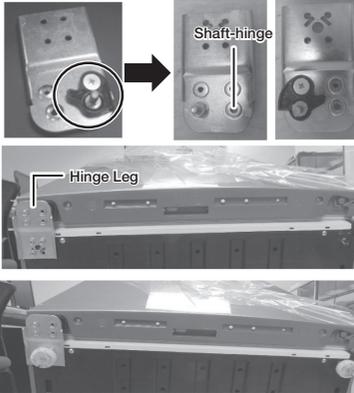
14. Assemble the Middle hinge using the Phillips Head (+) screwdriver. (Assemble Washer upwardly before assembling Middle hinge.)



15. Switch the position of Bottom hinge and Leg. (Right -> Left)

Assemble the Hinge Low after putting the Freezer Door in the middle hinge.

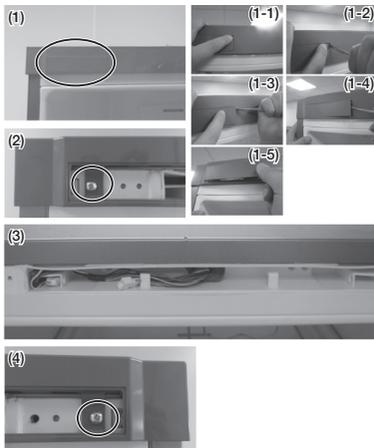
- Disassemble the Guide auto close and the Shaft-hinge.
- Assemble the Shaft-hinge and the the Guide auto close like this on picture.



16. Put the Cap-Control out from the Cover Control like the picture (1).

Remove the Screw and disassemble the Cover control (2), Switch the Wire door (3) direction to opposite side on Fridge Door (Door Display type only).

Assemble the Cover-Control with Screw like a Picture (4).



17. Switch the Wire-Door Direction to opposite side like the Picture.



18. Use 11 mm wrench to separate the Top hinge shaft.

Flip the Top hinge and reattach the Top hinge shaft.



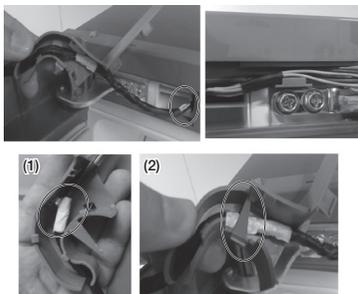
19. Insert the Top hinge to make the hole a little bigger and then put out the Top hinge to assemble the Fridge door.



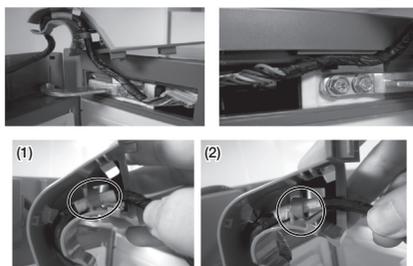
### Assembly steps

1. Assemble the Top hinge on the Fridge door.
2. Assemble the Middle hinge on the Fridge door.
3. Insert the Top Hinge on the Cabinet.
4. Assemble the screw.

20. Connect the wire and then insert it into the Cover-Control.  
 Insert the wire into the Cover Hinge and then the white taping part should be located as below picture (1).  
 Fold the Fixer not to disassemble as below picture (2).

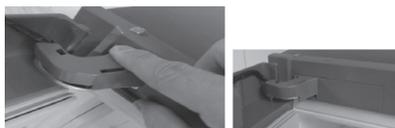


**\* RB37\* model only**



Only on models with external display.

21. Assemble the Cover Hinge to match the Hinge.



**\* RB37\* model only**



22. Assemble the Cap Space Door (additional part) on back side.



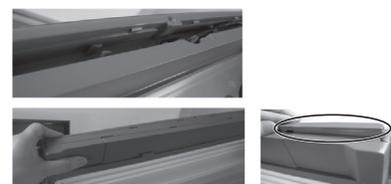
**\* RB37\* model only**



23. Insert the Cover Wire Door on the top of Fridge door and then push it to assemble completely. Check the wire position that should be located the back side of Cover Wire Door.



**\* RB37\* model only**



24. Assemble the Cap Control.



25. Detach the Fridge and Freezer gaskets and attach them after rotating 180°.

Make sure the door gaskets are properly arranged.

If not, there can be a noise or dew can be formed which affects performance of the unit.



26. Make sure the doors are working properly.

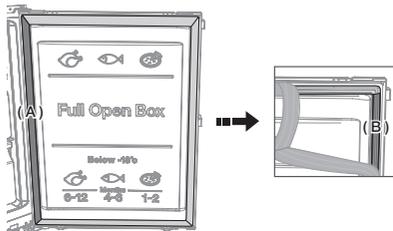


When you reverse the Freezer Door, detach the Freezer Door gasket and the inside left gasket ( **A** ).

And then attach the inside gasket to the right ( **B** ).

Attach the Freezer door gasket after rotating it 180°.

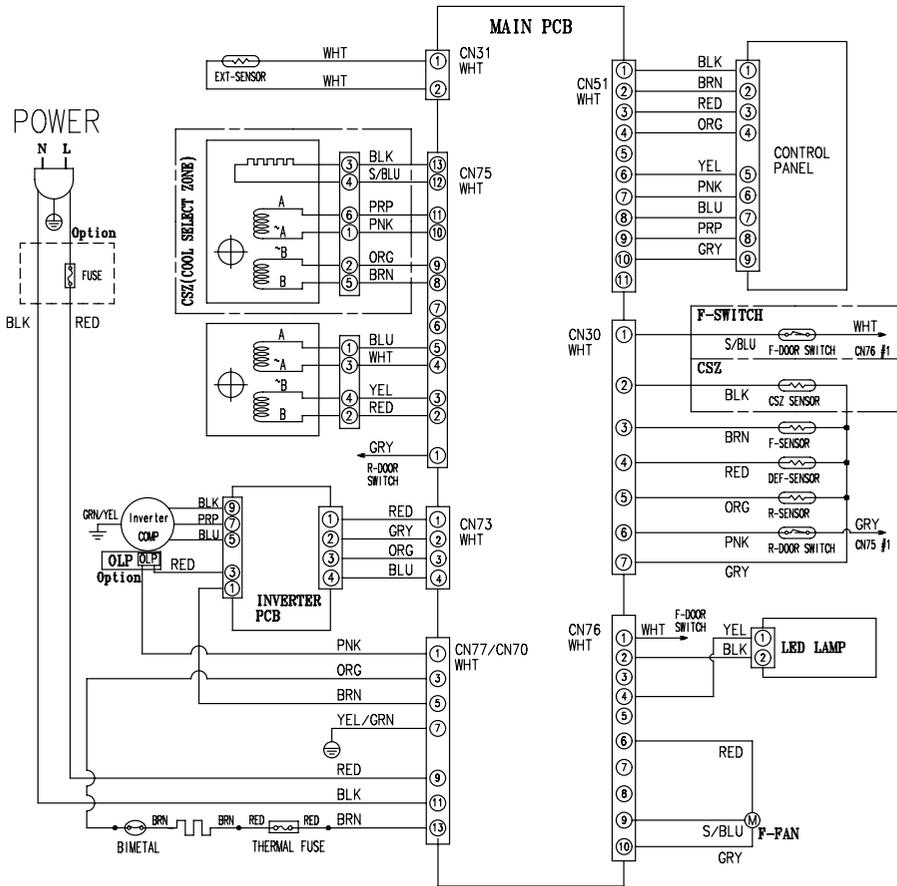
(Only for RB29\*\*\*\*B, RB31\*\*\*\*B, RB32\*\*\*\*B model)



# troubleshooting

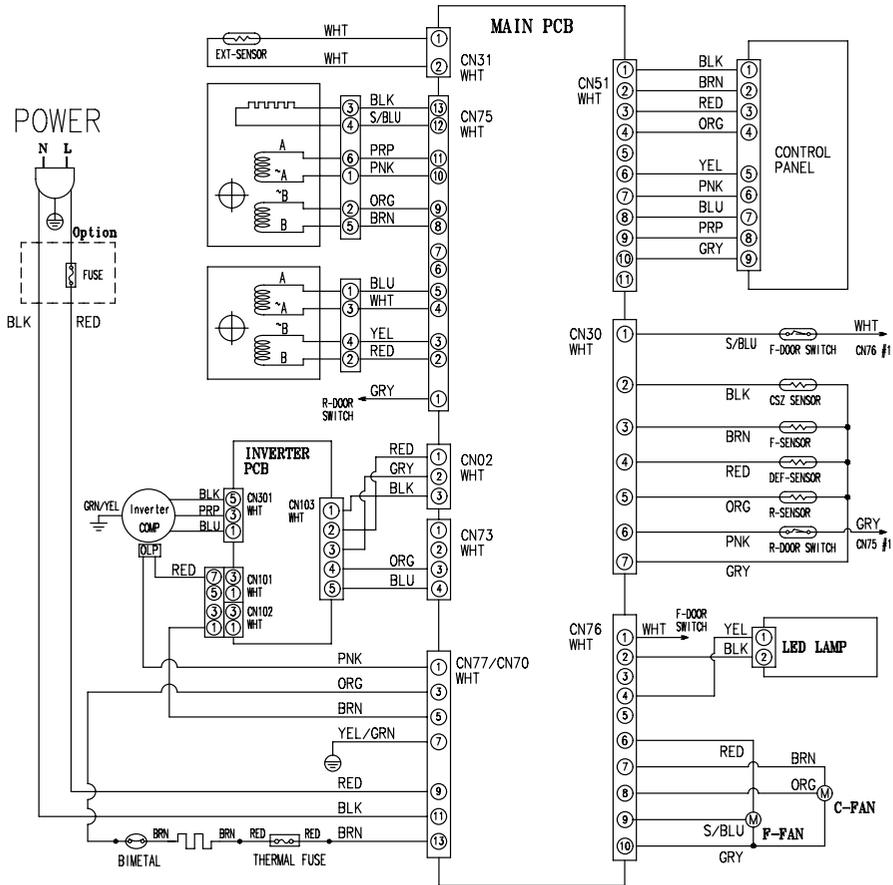
PROBLEM	SOLUTION
<b>The appliance is not operating at all or the temperature is too high.</b>	<ul style="list-style-type: none"> <li>• Check if the power plug is correctly connected.</li> <li>• Is the temperature control on the front panel correctly set?</li> <li>• Does sun shine on the appliance or are there any heat sources nearby?</li> <li>• Is the back of the appliance too close to the wall?</li> </ul>
<b>The food in the refrigerator is frozen.</b>	<ul style="list-style-type: none"> <li>• Is the temperature control on the front panel set to the coldest temperature?</li> <li>• Is the surrounding temperature too low?</li> </ul>
<b>There are unusual noises.</b>	<ul style="list-style-type: none"> <li>• Check if the appliance is installed on a stable and even floor.</li> <li>• Is the back of the appliance too close to the wall?</li> <li>• Have any foreign objects fallen behind or under the appliance?</li> <li>• Is the noise coming from the compressor in the appliance?</li> <li>• A ticking sound occurs when the various accessories contract or expand.</li> </ul>
<b>The front corners and sides of the appliance are warm and condensation starts to form.</b>	<ul style="list-style-type: none"> <li>• Heat-proof pipes are installed in the front corners of the appliance to prevent condensation from forming. When the surrounding temperature rises, this may not always be effective. However, this is not abnormal.</li> <li>• In very humid weather, condensation may form on the outer surface of the appliance when the moisture in the air comes into contact with the cool surface of the appliance.</li> </ul>
<b>You can hear a liquid bubbling in the appliance.</b>	<ul style="list-style-type: none"> <li>• This is the refrigerant, which cools the inside of the appliance.</li> </ul>
<b>There is a bad smell inside the appliance.</b>	<ul style="list-style-type: none"> <li>• Is there any spoiled food inside of the refrigerator?</li> <li>• Make sure that strong smelling food (for example, fish) is wrapped so that it is airtight.</li> <li>• Clean out your refrigerator periodically and throw away any spoiled or suspect food.</li> </ul>
<b>There is a layer of frost on the appliances walls.</b>	<ul style="list-style-type: none"> <li>• Are the air outlet vents blocked by food stored inside the refrigerator?</li> <li>• Space the food out as much as possible to improve ventilation.</li> <li>• Is the door fully closed?</li> </ul>
<b>Condensation forms on the inside wall of the appliance and around vegetables.</b>	<ul style="list-style-type: none"> <li>• Food with a high water content is stored uncovered with a high humidity level or the door has been left open for a long time.</li> <li>• Store the food with a cover or in sealed containers.</li> </ul>

# circuit diagram



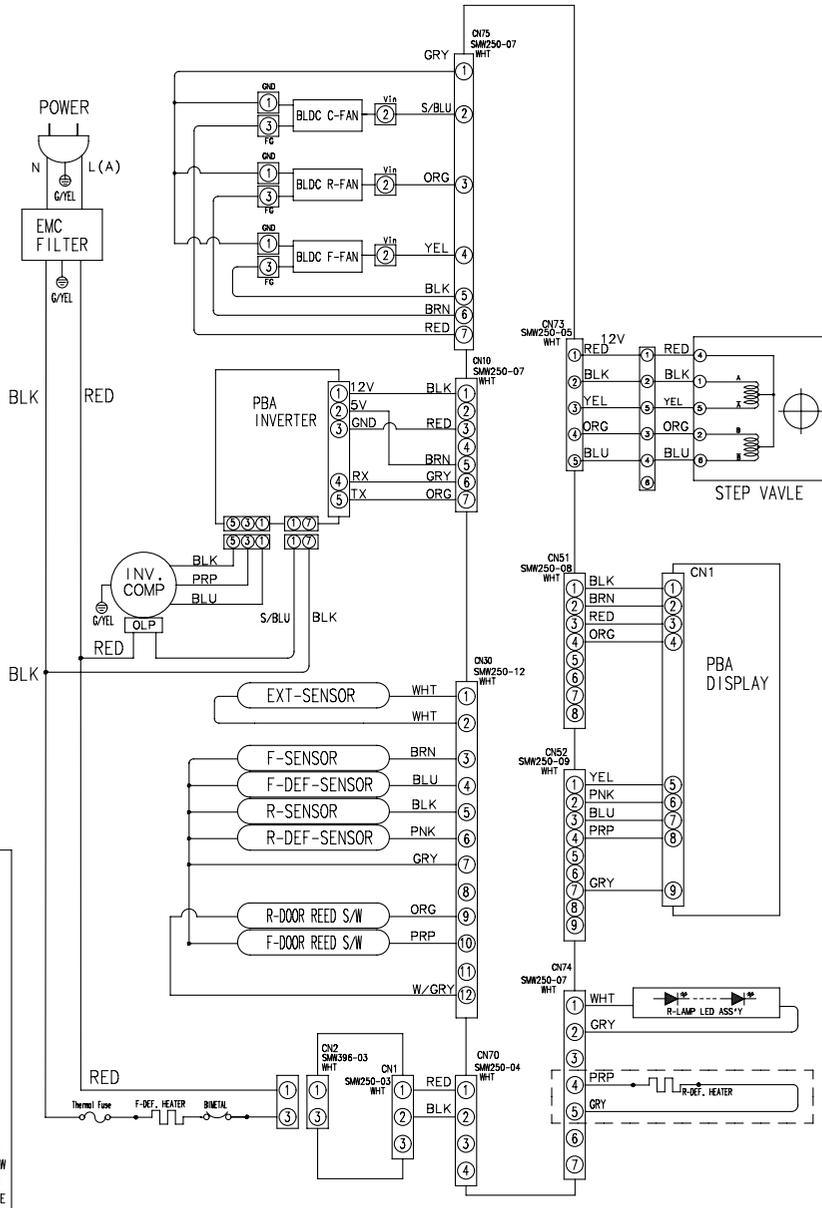
[OPTION TABLE]  
9th Character at Model name

9th Character	CSZ	F-SWITCH	REMARK
C	0	0	A++ Model
D	X	X	A+ Model

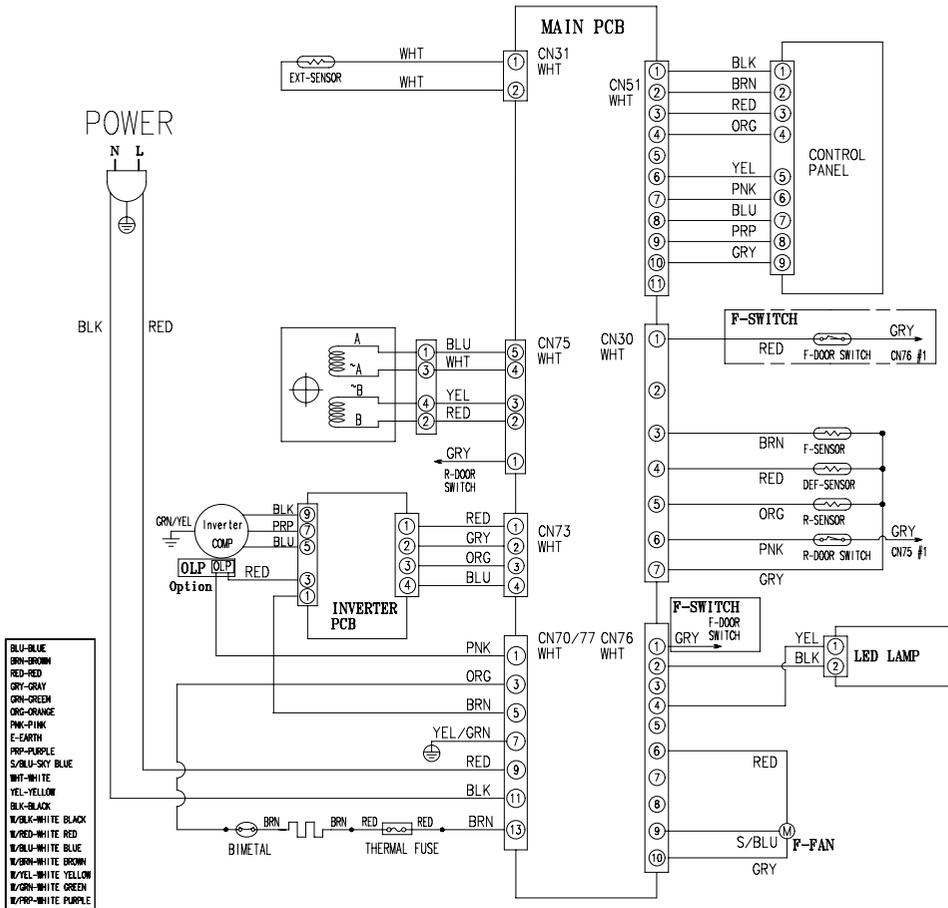


This is applied to the model of which 9th character is "B"  
(A+++ Model)

# 3050 2M A+++



3050 2M A++/A+



## Ambient Room Temperature Limits

This fridge/freezer is designed to operate in ambient temperatures specified by its temperature class marked on the rating plate.

Class	Symbol	Ambient Temperature range (°C)
		IEC 62552 (ISO 15502)
Extended Temperate	SN	+10 to +32
Temperate	N	+16 to +32
Subtropical	ST	+16 to +38
Tropical	T	+16 to +43



Internal temperatures may be affected by such factors as the location of the fridge/freezer, ambient temperature and the frequency with which you open the door. Adjust the temperature as required to compensate for these factors.

### English



#### **(Applicable in countries with separate collection systems)**

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

### **Correct Disposal of This Product (Waste Electrical & Electronic Equipment)**

## Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

COUNTRY	CALL	Web site
AUSTRIA	0800-SAMSUNG (0800-7267864) [Only for Premium HA] 0800-366661 [Only for Dealers] 0810-112233	<a href="http://www.samsung.com/at/support">www.samsung.com/at/support</a>
COLOMBIA	Bogotá 600 12 72 Gratis desde cualquier parte del país 01 8000 112 112 ó desde su celular #SAM(726)	<a href="http://www.samsung.com/co/support">www.samsung.com/co/support</a>
EIRE	0818 717100	<a href="http://www.samsung.com/ie/support">www.samsung.com/ie/support</a>
HONG KONG	(852) 3698-4698	<a href="http://www.samsung.com/hk/support">www.samsung.com/hk/support</a> (Chinese) <a href="http://www.samsung.com/hk_en/support">www.samsung.com/hk_en/support</a> (English)
INDIA	1800 3000 8282 - Toll Free 1800 266 8282 - Toll Free	<a href="http://www.samsung.com/in/support">www.samsung.com/in/support</a>
MALAYSIA	1800-88-9999 603-77137477 (Overseas contact)	<a href="http://www.samsung.com/my/support">www.samsung.com/my/support</a>
NEW ZEALAND	0800 726 786	<a href="http://www.samsung.com/nz/support">www.samsung.com/nz/support</a>
PANAMA	800-7267 800-0101	<a href="http://www.samsung.com/latin/support">www.samsung.com/latin/support</a> (Spanish) <a href="http://www.samsung.com/latin_en/support">www.samsung.com/latin_en/support</a> (English)
PHILIPPINES	1-800-10-7267864 [PLDT] 1-800-8-7267864 [Globe landline and Mobile] 02-4222111 [Other landline]	<a href="http://www.samsung.com/ph/support">www.samsung.com/ph/support</a>
SINGAPORE	1800-SAMSUNG(726-7864)	<a href="http://www.samsung.com/sg/support">www.samsung.com/sg/support</a>
SOUTH AFRICA	0860 SAMSUNG (726 7864)	<a href="http://www.samsung.com/support">www.samsung.com/support</a>
UK	0330 SAMSUNG (7267864)	<a href="http://www.samsung.com/uk/support">www.samsung.com/uk/support</a>



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