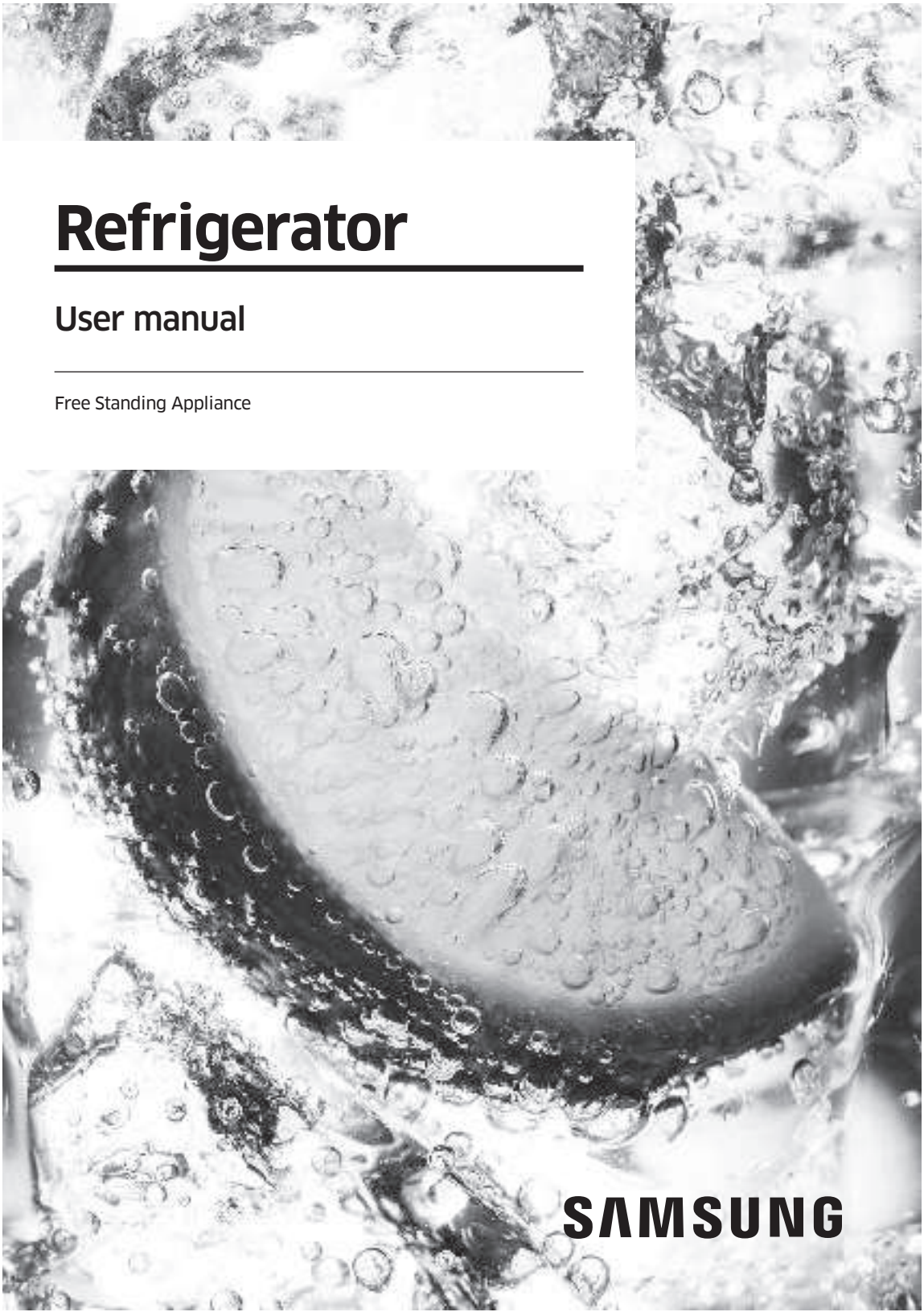
Refrigerator

User manual

Free Standing Appliance



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Safety information

- Before using your new Samsung Refrigerator, please read this manual thoroughly to ensure that you know how to operate the features and functions that your new appliance offers safely and efficiently.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or those who lack experience and knowledge, unless they have been given supervision or instruction concerning the 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.

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Safety information

- Because these following operating instructions cover various models, the characteristics of your refrigerator may differ slightly from those described in this manual and not all warning signs may be applicable. If you have any questions or concerns, contact your nearest service center or find help and information online at www.samsung.com.
- 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^3 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.

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- It is hazardous for anyone other than an Authorized Service Person to service this appliance. In Queensland – the authorized Service Person MUST hold a Gas Work Authorisation or Licence for hydrocarbon refrigerants, to carry out Servicing or repairs which involve the removal of covers. (For Australia only)
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

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Safety information

Important safety symbols and precautions:

Please follow all safety instructions in this manual. This manual uses the following safety symbols.

⚠ WARNING

Hazards or unsafe practices that may result in **severe personal injury, property damage, and/or death**.

⚠ CAUTION

Hazards or unsafe practices that may result in **severe personal injury and/or property damage**.

NOTE

Useful information that helps users understand or benefit from the refrigerator.

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.

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Severe warning signs for transportation and site

⚠ WARNING

- 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.

Critical installation warnings

⚠ WARNING

- Do not install the refrigerator in a damp location or place where it may come in contact with water.
  - Deteriorated insulation on electrical parts may cause an electric shock or fire.
- Do not place this refrigerator in direct sunlight or expose it to the heat from stoves, room heaters, or other appliances.

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Safety information

- Do not plug several appliances into the same multiple power strip. The refrigerator should always be plugged into its own individual electrical outlet which has a voltage rating that matches the voltage listed on the refrigerator's rating plate.
  - This provides the best performance and also prevents overloading of 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 of fire.
- Do not use a power cord that has cracks or abrasion damage along its length or at either end.
- Do not bend the power cord excessively or place heavy objects on it.
- 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.
- Never unplug your refrigerator by pulling on the power cord. Always grip the plug firmly and pull straight out from the outlet.
  - Damage to the cord may cause a short-circuit, fire, and/or electric shock.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

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- Do not install this appliance near a heater or inflammable material.
- Do not install this appliance in a location where gas may leak.
  - This may result in an electric shock or fire.
- This refrigerator must be properly located and installed in accordance with the instructions in this manual before you use it.
- Connect the power plug in the proper position with the cord hanging down.
  - If you connect the power plug upside down, the wire can get cut off and cause a fire or electric shock.
- Make sure that the power plug is not crushed or damaged by the back of the refrigerator.
- Keep the packing materials out of reach of children.
  - There is a risk of death from suffocation if a child puts the packing materials on his or her head.
- The appliance must be positioned so that the plug is accessible after installation.
  - Failing to do so may result in an electric shock or fire due to electric leakage.
- Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops).
  - Deteriorated insulation of electrical parts may cause 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.

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Safety information

- 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.
- You need to remove all the protective plastic film before you initially plug the product in.
- Children should be supervised to ensure that they do not play with the snap rings used for door adjustment or the water tube clips.
  - There is risk of death by suffocation if a child swallows a snap ring or water tube clip. Keep the snap rings and water tube clips out of children's reach.
- The refrigerator must be safely grounded.
  - Always make sure that you have grounded the refrigerator before attempting to investigate or repair any part of the appliance. Power leakages can cause severe electric shock.
- Never use gas pipes, telephone lines, or other potential lightning attractors as an electrical ground.
  - 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.
- 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.

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- If the power cord is damaged, have it replaced immediately by the manufacturer or one of its service agents.
- 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.

Installation cautions

⚠ CAUTION

- Allow sufficient space around the refrigerator and install it on a flat surface.
  - Keep the ventilation space in the appliance enclosure or mounting structure clear of obstructions.
- Allow the appliance to stand for 2 hours before loading foods after installation and turning on.
- We strongly recommend you have a qualified technician or service company install the refrigerator.
  - Failing to do so may result in an electric shock, fire, explosion, problems with the product, or injury.
- Overload on any one door may fell the refrigerator, causing physical injury.

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Safety information

Critical usage warnings

⚠ WARNING

- Do not insert the power plug into a wall socket 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 personal injury and/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 touch the inside walls of the freezer or products stored in the freezer with wet hands.
  - This may cause frostbite.
- Do not put a container filled with water on the refrigerator.
  - If spilled, there is a risk of fire or electric shock.
- Do not keep volatile or flammable objects or substances (benzene, thinner, propane gas, alcohol, ether, LP gas, and other such products) in the refrigerator.
  - This refrigerator is for storing food only.
  - This may result in fire or explosion.
- 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. Be careful when you open the doors if children are in the area.

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- Do not let children hang on the door or door bins. A serious injury may occur.
- Do not let children go inside the refrigerator. They could become trapped.
- Do not insert your hands into the bottom area under the appliance.
  - Any sharp edges may cause personal injury.
- Do not store pharmaceutical 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.
- Do not let children step on a drawer.
  - The drawer may break and cause them to slip.
- 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.

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Safety information

- Do not overfill the refrigerator with food.
  - When you open the door, an item may fall out and cause personal injury or material damage.
- 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 or place any substances sensitive to temperature such as flammable sprays, flammable objects, dry ice, medicine, or chemicals near or inside of the refrigerator.
- 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.
- 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. Do not put a container filled with water on the appliance.
  - If spilled, there is a risk of fire or electric shock.
- 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.
- Never stare directly at the UV LED lamp for long periods of time.
  - This may result in eye strain due to the ultraviolet rays.

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- Do not put fridge shelf in upside down. Shelf stopper could not work.
  - It may cause a personal injury because of glass shelf drop.
- Keep fingers out of “pinch point” areas. Clearances between the doors and cabinet are necessarily small. Be careful when you open the doors if children are in the area.
- If a 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 touch the appliance or power cord.
  - Do not use a ventilating fan.
  - A spark may result in explosion or fire.
- Use only the LED Lamps provided by the manufacturer or its service agents.
- 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.
- Do not attempt to repair, disassemble, or modify the refrigerator yourself.
  - Unauthorized modifications can cause safety problems. To reverse an unauthorized modification, we will charge the full cost of parts and labor.
- Do not use any fuse (such as cooper, steel wire, etc.) other than a standard fuse.
- If your refrigerator needs to be repaired or reinstalled, contact your nearest service center.
  - Failing to do so may result in an electric shock, fire, problems with the product, or injury.

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Safety information

- If the interior or exterior LED lamp has gone out, contact your nearest service center.
- If the refrigerator emits a burning smell or smoke, unplug the refrigerator immediately and contact your Samsung Electronics 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 changing a non-LED light, contact a Samsung service center.
- If the product is equipped with LED lamps, do not disassemble the Lamp Covers and LED lamps yourself.
  - Contact a Samsung service center.
- 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.

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Usage cautions

⚠ CAUTION

- Do not re-freeze frozen foods that have thawed completely. 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.
- To get the best performance from the product:
  - Do not place food too close to the vents at the rear of the refrigerator as this can obstruct free air circulation in the refrigerator compartment.
  - Wrap food up properly or place it in airtight containers before putting it into the refrigerator.
  - Please observe maximum storage times and expiration dates of frozen goods.
- Do not place glass or bottles or carbonated beverages into the freezer.
  - The container may freeze and break, and this may result in injury.
- 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.

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Safety information

- Service Warranty and Modification.
  - Any changes or modifications performed by a 3rd party on this finished appliance are not covered under Samsung warranty service, nor is Samsung responsible for safety issues that result from 3rd party modifications.
- Do not block the air vents inside the refrigerator.
  - If the air vents are blocked, especially with a plastic bag, the refrigerator can be over cooled. If a cooling period lasts too long, the water filter may break and cause water leakage.
- Wipe excess moisture from the inside and leave the doors open.
  - Otherwise, odor and mold may develop.
- If the refrigerator is disconnected from the power supply, you should wait for at least five minutes before plugging it back in.
- When the refrigerator got wet by water, pull out the power plug and contact your Samsung Electronics service center.
- Do not strike or apply excessive force to any glass surface.
  - Broken glass may result in a personal injury and/or property damage.
- Be careful that your fingers are not caught in.
- The lamps in the freezer and refrigerator can be turned off if the doors of the freezer and refrigerator are left open for 2 seconds or longer.
  - The lamps will turn back on when the doors are closed and opened again.

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- If the refrigerator is flooded, make sure to contact your nearest service center.
  - There is a risk of electric shock or fire.

Cleaning cautions

⚠ CAUTION

- Do not spray water directly on the inside or outside the refrigerator.
  - There is a risk of fire or electric shock.
- Do not use a hair dryer to dry the inside of the refrigerator.
- Do not place a lighted candle in the refrigerator to remove bad odors.
  - This may result in an electric shock or fire.
- 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.
- Use a clean, dry cloth to remove any foreign matter or dust from the power plug blades. Do not use a wet or damp cloth when cleaning the plug.
  - Otherwise, there is a risk of fire or electric shock.
- Do not clean the appliance by spraying water directly onto it.

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Safety information

- Do not use benzene, thinner, or Clorox, Chloride for cleaning.
  - They may damage the surface of the appliance and may cause a fire.
- Before cleaning or performing maintenance, unplug the appliance from the wall socket.
  - Failing to do so may result in an electric shock or fire.

Critical disposal warnings

⚠ WARNING

- Please dispose of the packaging material from this product in an environmentally friendly manner.
- Ensure that none of the pipes on the back of the refrigerator 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 fridge to see which refrigerant is used for your refrigerator. If this refrigerator contains flammable gas (Refrigerant R-600a), contact your local authority in regard to safe disposal of this product.
- When disposing of this refrigerator, remove the door/ door seals and door latch so that small children or animals cannot become trapped inside. Children should be supervised to ensure that they do not play with the appliance. If trapped inside, a child may get hurt or suffocate to death.
  - If trapped inside, the child may become injury and suffocate to death.

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- Cyclopentane is used in the insulation. The gases in the insulation material require a special disposal procedure. Please contact your local authorities in regard to the environmentally safe disposal of this product.
- 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 his or her head, the child could suffocate.
- DANGER: Risk of child entrapment. Before you throw away your old refrigerator or freezer:
  - Take off the doors.
  - Leave the shelves in place so that children may not easily climb inside.

Additional tips for proper usage

- In the event of a power failure, call the local office of your electric company and ask how long the failure is going to last.
  - Most power failures that are corrected in an hour or two will not affect your refrigerator temperatures. However, you should minimize the number of door openings while the power is off.
  - Should the power failure last more than 24 hours, remove and discard all frozen food.

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Safety information

- The refrigerator might not operate consistently (frozen contents can thaw or temperatures can become too warm in the frozen food compartment) if sited for an extended period of time in a location where ambient air temperatures are constantly below the temperatures for which the appliance is designed.
- In case of particular foods, keeping it under refrigeration can have a bad effect on preservation due to its properties.
- Your appliance is frost free, which means there is no need to manually defrost your appliance. This will be carried out automatically.
- Temperature rise during defrosting complies with ISO requirements. If you want to prevent an undue rise in the temperature of frozen food while the appliance defrosts, wrap the frozen food in several layers of newspaper.
- Do not re-freeze frozen foods that have thawed completely.

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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 (a radiator, for example).
- Not to block any vents and grilles is recommended for energy efficiency.
- 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 refrigerator open for too long when putting food in or taking food out. The shorter the time the door is open, the less frost build-up you'll have in the freezer.
- It is recommended to install the refrigerator with clearance to the back and sides. 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.

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Safety information

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.

Instructions about the WEEE



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

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Installation

Follow these instructions carefully to ensure a proper installation of this refrigerator and to prevent accidents before using it.

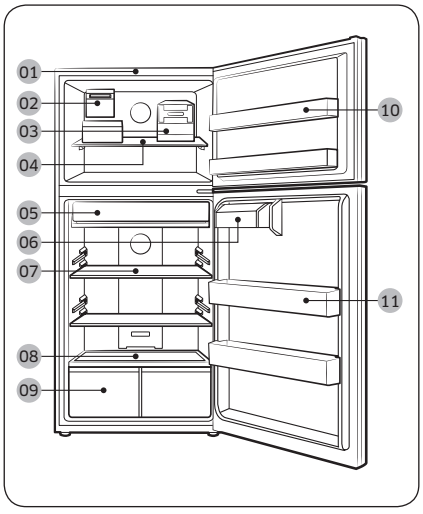
⚠ **WARNING**

- Use the refrigerator only for its intended purpose as described in this manual.
- Any servicing must be performed by a qualified technician.
- Dispose of the product packaging material in compliance with the local regulations.

Refrigerator at a glance

NOTE

The actual image and provided component parts of the refrigerator may differ, depending on the model and the country.



01 Control Panel
02 Auto Ice Maker (Optional)
03 Twist Ice Maker (Type A) *
04 Freezer shelf
05 Slide & Reach Pantry *
06 Guard container
07 Refrigerator shelves
08 Vegetable shelf
09 Vegetable Drawer
10 Freezer Guard
11 Refrigerator guard

* applicable models only

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Installation

Step-by-step installation

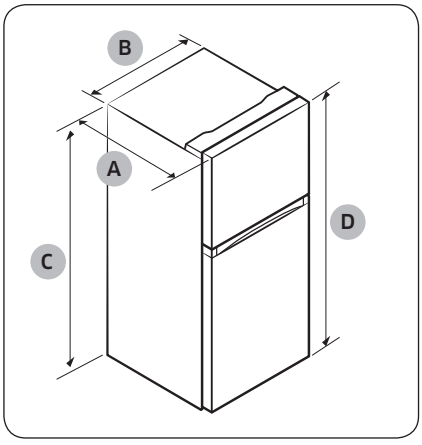
STEP 1 Select a site

Site requirements:

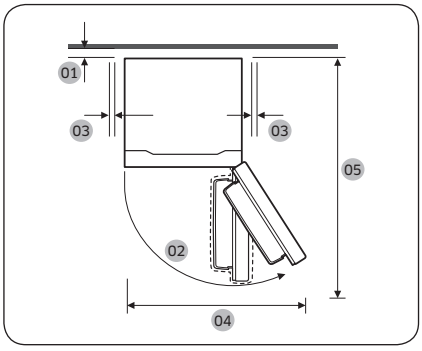
- Solid, level surface without carpeting or flooring that may obstruct ventilation
- Away from direct sunlight
- Adequate room for opening and closing the door
- Away from a heat source
- Room for maintenance and servicing
- Temperature range: between 10 ℃ and 43 ℃

Clearance

See the pictures and table below for space requirements for installation.



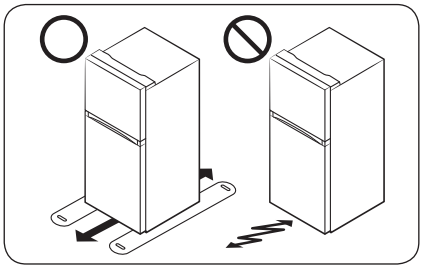
Model	RT18*	RT21*
Depth "A"	810 mm	810 mm
Width “B”	729 mm	836 mm
Height “C”	1669 mm	1694 mm
Overall Height “D”	1697 mm	1722 mm



	RT18*	RT21*
01	50 mm	50 mm
02	121°	121°
03	50 mm	50 mm
04	1117 mm	1280 mm
05	1470 mm	1521 mm

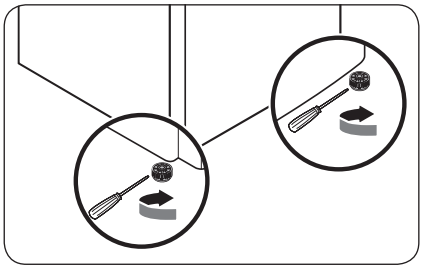
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STEP 2 Flooring

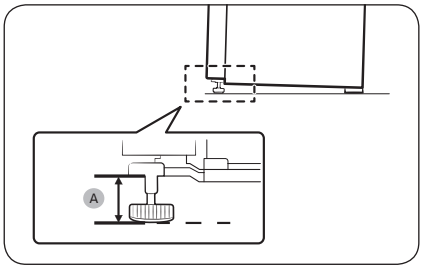


- The surface to install the refrigerator must support a fully loaded refrigerator, or approximately 90 kg.
- To protect the floor, put a large piece of cardboard on each leg of the refrigerator.
- Once the refrigerator is in its final position, do not move it unless necessary to protect the floor. If you have to, use a thick paper or cloth such as old carpets along the movement path.

STEP 3 Adjust the levelling legs



Level the refrigerator by manually adjusting the levelling legs. Turn the levelling legs clockwise to lower the position, or turn counter clockwise to raise. For safety reasons, adjust the front side a little higher than the rear side.



Leave the legs at least (A) mm from the floor as shown.

- (A) 39 mm for RT18*
- (A) 43 mm for RT21*

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Installation

STEP 4 Connect the water line (optional)

Connect the water line to the ice maker. For the ice maker to operate properly, a water pressure of 20-125 psi is required. After you have connected the water line, make sure the water storage tank inside the refrigerator is properly filled.

⚠ CAUTION

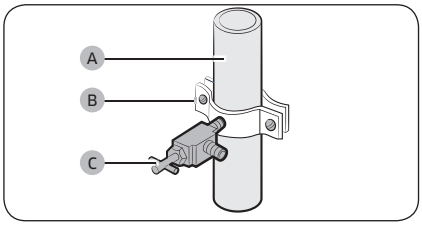
Do not reuse an old hose set. Use the new hose sets supplied with your refrigerator only.

- The water line installation is not covered by the Warranty of this product. Read carefully through these instructions to protect your property and prevent possible damage.
- Banging pipes (water banging in the pipes) can cause damage to the refrigerator, and lead to water leakage or flooding. If you encounter this problem, contact a plumber for professional assistance.
- To prevent burns and product damage, do not connect the water line to a hot water source.
- Do not install the water line in areas where temperatures fall below the freezing point.
- When using any electrical device (such as a motorized drill) during installation, be sure the device is insulated and properly grounded to prevent electric shock.
- All installations must be in accordance with local plumbing code requirements.
- The water filter must be replaced as instructed by the manufacturer or the retailer.
- To purchase additional water filters, contact the manufacturer or the retailer of the filter.

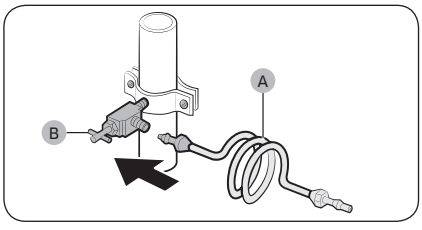
NOTE

- You can purchase the water line installation kit from your retailer. We recommend using a kit that contains copper tubing and a 6 mm compression nut.
- In an area with low water pressure (below 20 psi), you can install a booster pump to compensate for the low pressure.

To assemble the water line installation kit



1. Shut off the main water source.
2. Insert the **pipe clamp (B)** and the **shut-off valve (C)** into the **cold water line (A)**.



3. Connect the **water line installation kit (A)** to the **shut-off valve (B)**.

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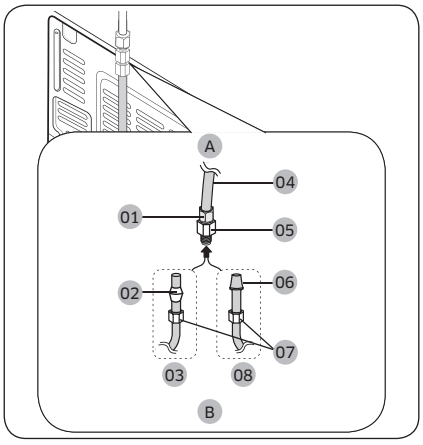
To connect the water line to the refrigerator

⚠ **WARNING**

Make sure to connect the water line only to a potable water source.

There are several items you must purchase to complete this connection. You may find these items sold as a kit at your local hardware store.

Copper Tubing	• 6.35 mm copper tubing • 6.35 mm compression nut (1 pc) • Ferrule (2 pc)
Plastic Tubing	• 6.35 mm plastic tubing → Molded end (Bulb) • 6.35 mm compression nut (1 pc)



A. Refrigerator
B. Household water supply line

01 Compression nut (6.35 mm) (Not supplied)
02 Ferrule (Not supplied)
03 Copper tubing (Not supplied)
04 Plastic tubing (Assembled)
05 Compression fitting (Not supplied)
06 Molded end (Bulb)
07 Compression nut (B) (6.35 mm) (Not supplied)
08 Plastic tubing (A) (Not supplied)

1. Connect the household water line to the assembled compression fitting.
   - If you are using copper tubing, slip the **compression nut (B)** (not supplied) and **ferrule** (not supplied) on the copper tubing (not supplied) as shown.
   - If you are using plastic tubing (A), insert the molded end (Bulb) of the plastic tubing (A) into the compression fitting.

⚠ **CAUTION**

If you use plastic tubing, (A) do not use it without the molded end (Bulb).

2. Tighten the **compression nut (B)** onto the **compression fitting**. Do not over-tighten the **compression nut (B)**.

3. Turn the water on and check for any leakage. If you find water drops or leakage in the connection areas, turn off the main water supply. Check the connections and, if necessary, tighten.

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Installation

4. After you turn on the refrigerator, let the ice maker make ice for 1 to 2 days. Over that period of time, throw out the first 1 or 2 buckets of ice the ice maker makes to ensure all impurities have been removed from the water line.

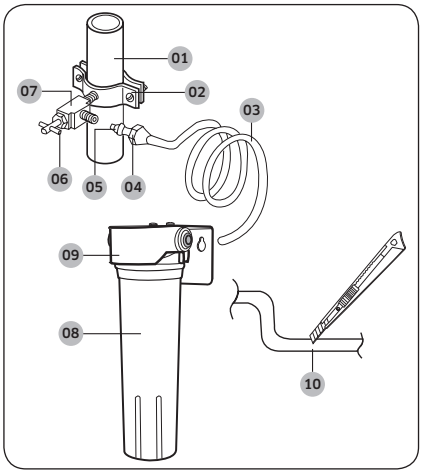
NOTE

- If you have to repair or disassemble the water line, cut off 6.35 mm of the plastic tubing to make sure you get a snug, leak-free connection.
- Leaving the water line disconnected may cause the water valve to produce a buzzing sound over time.
- If water is not supplied to the refrigerator, make sure to turn the ice maker off.

Water filter (not provided)

The water filter and the water filter installation kit containing necessary parts illustrated in this section are not provided. You must purchase the water filter and the water filter installation kit at a local Samsung service center.

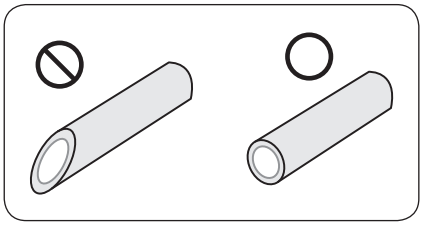
To connect to the water supply line



01 Cold water line
02 Pipe clamp
03 Plastic line
04 Compression nut
05 Compression sleeve
06 Packing nut
07 Shut off valve
08 Filter cartridge
09 Cartridge holder
10 Cut vertically by 90 degrees

1. Shut off the main water line and turn the ice maker off.
2. Locate the nearest cold potable water line.
3. Follow the instructions mentioned in the water filter installation kit.
4. After connecting the water line to the inlet of the cartridge holder with the plastic line fully inserted, insert and tighten the filter cartridge.
5. Turn on the water line and flush 11 liters of water (approximately 6 minutes) through the filter before use.

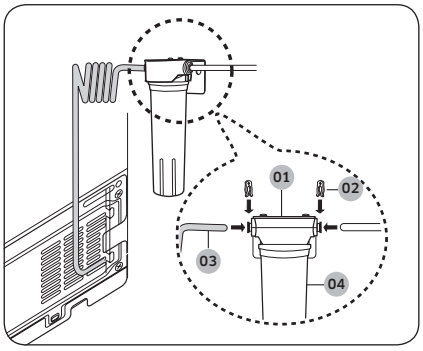
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⚠ **CAUTION**

- The water line must be connected outside of the refrigerator.
- Do not use copper lines.
- If cutting the tubing for resizing, make sure the ends of the tubing are vertically clean cut.

To connect the water line to the refrigerator



01 Cartridge holder
02 Plastic clip
03 Plastic line
04 Filter cartridge

1. Connect the plastic line from the rear of the refrigerator to the outlet of the cartridge holder until the plastic line is fully inserted.
2. Clamp either ends of the cartridge holder using the plastic clips.
3. Turn the water line on and check for leaks.

⚠ **CAUTION**

- Use only potable water.
- The filter cartridge is not provided. You must purchase it at a local service center.
- When moving the refrigerator for line connection, use caution so that you don't step on the power cord or water line (for the ice maker).

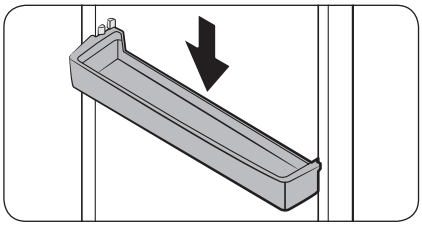
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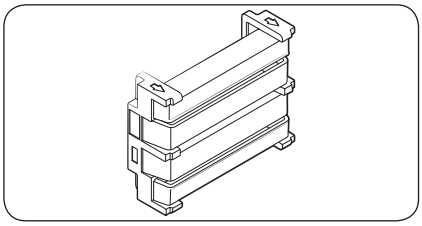
Installation

STEP 5 Unpack and put accessories in place

The accessories that ship with this refrigerator are properly packed for transportation and safety reasons. Unpack those accessories and put them in place.

Door guards





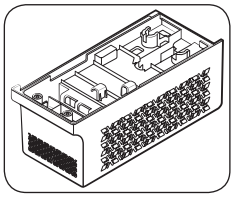
There are four door guards provided with the product. Insert two door guards each to the freezer and the fridge.

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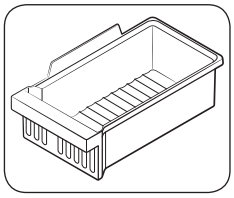
STEP 6 Install the Auto Ice Maker (optional)

To purchase a new auto ice maker (part type : RA-TIMO63PP/AA), visit the website (www.samsung.com) or contact your retailer.

Ice maker kit

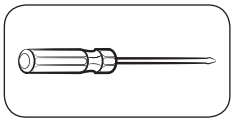


Ice maker



Ice bucket

Tools required (not provided)



Phillips screwdriver

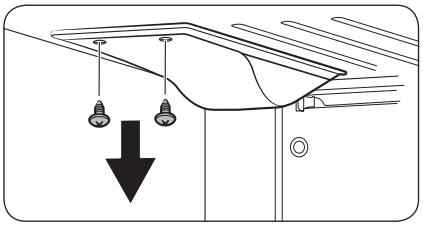
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Installation

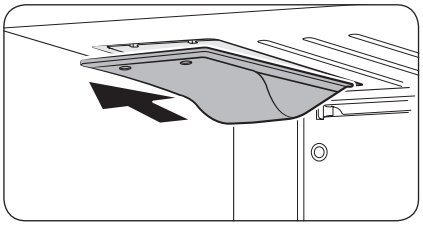
To install the ice maker kit

⚠ **WARNING**

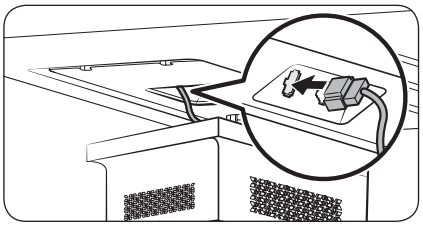
To prevent electrical shock, make sure the refrigerator is turned off before installation.



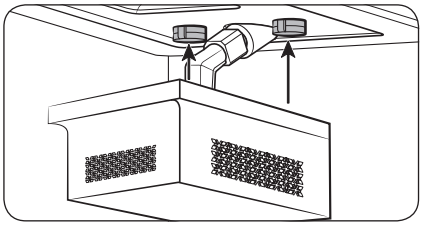
1. See the figure on the left, and then locate the cover on the inner upper corner of the main unit.



2. Remove the screws (x2) from the cover, and then remove the cover by pulling it to the front.

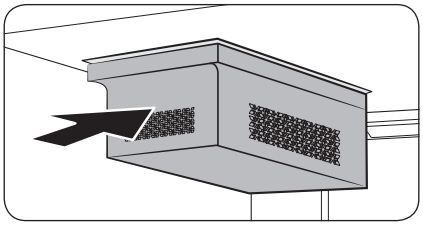


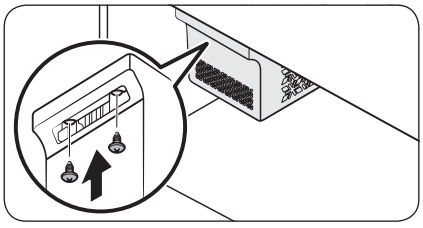
3. Connect the wire connector of the ice maker to the socket (marked in the figure) on the main unit. Make sure the connector is fully inserted to prevent system failure.

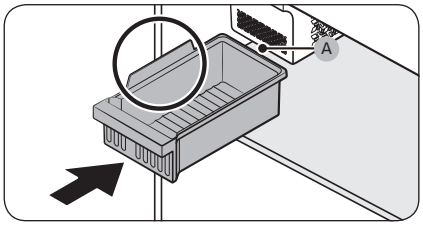


4. Put the ice maker onto the specified area of the main unit. Make sure both the front and rear sides of the ice maker are secure to prevent deviation of the ice maker.

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5. Tighten the provided screws (x2) to attach the ice maker firmly to the refrigerator.
   - Make sure the screw holes are aligned with each other before tightening the screws.

6. Put the ice bucket on the shelf as shown. By design, the ice bucket is supposed to sit behind the ice maker. Otherwise, the ice cubes from the ice maker will not collect in the bucket as intended.
7. When installation is complete, turn the refrigerator on, and then press Test Switch (A) on the ice maker to check if the ice maker operates and supplies water for the ice tray normally.

⚠ **CAUTION**

- If you don't intend to use the ice maker, or if you are going for a business trip or vacation, turn off the ice maker.
- Do not turn the ice maker on without the ice bucket in place. The produced ice cubes drop into and scatter all over the freezer.
- A noise may occur when the ice maker is making ice or being supplied with water, or the ice cubes drop into the ice bucket. However, this is not a system failure, and when the ice bucket is full, none of these noises will occur.
- The first time you use the ice maker, or after you have replaced the water filter, the ice made by the ice maker may have a carbon residue. If this happens, discard the first full load of ice. Note that the carbon residue is harmless to humans.

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Installation

STEP 7 Initial settings

By completing the following steps, the refrigerator should be fully functioning.

1. Plug the power cord into the wall socket to turn the refrigerator on.
2. Open the door, and check if the interior light lights up.
3. Set the temperature to the coldest, and wait for about an hour. Then, the freezer will be slightly chilled, and the motor will run smoothly.
4. Wait until the refrigerator reaches the set temperature. Now the refrigerator is ready for use.

STEP 8 Final check

When installation is complete, confirm that:

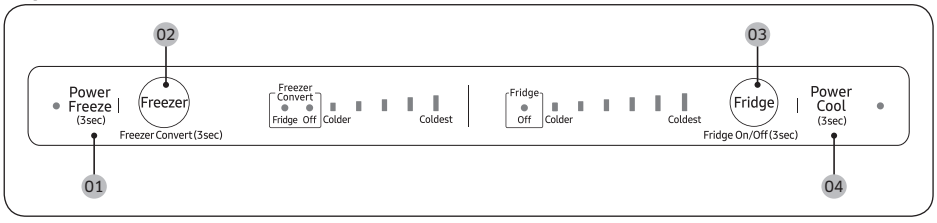
- The refrigerator is plugged into an electrical outlet and grounded properly.
- The refrigerator is installed on a flat, level surface with a reasonable clearance from the wall or the cabinet.
- The refrigerator is level and is sitting firmly on the floor.
- The door opens and closes freely, and the interior light turns on automatically when you open the door.

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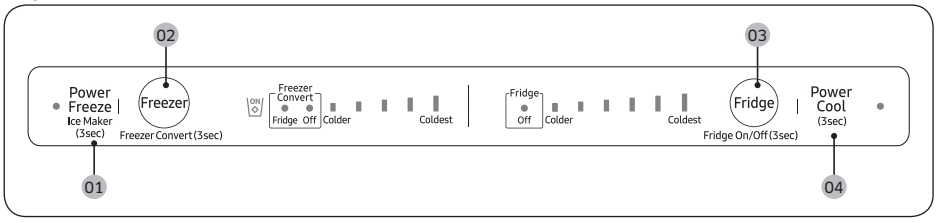
Operations

Feature panel

Type A



Type B



01 Power Freeze /
Ice Maker (applicable models only)

02 Freezer / Freezer Convert

03 Fridge / Fridge On/Off

04 Power Cool

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Operations

01 Power Freeze / Ice Maker (applicable models only)

Power Freeze	Power Freeze speeds up the freezing process at maximum fan speed. The freezer keeps running at full speed for several hours and then returns to the previous temperature. • To activate Power Freeze, press and hold **Power Freeze** for 3 seconds (Type A), or press and release **Power Freeze** within 3 seconds (Type B). The corresponding indicator ( ) lights up, and the refrigerator will speed up the freezing process for you. • For Type B, do not hold down **Power Freeze** for 3 seconds or more. This will activate the ice maker, not Power Freeze. • To deactivate, press and hold **Power Freeze** for 3 seconds (Type A), or press and release **Power Freeze** within 3 seconds (Type B). The freezer returns to the previous temperature setting. • To freeze large amounts of food, activate Power Freeze for at least 20 hours before putting food in the freezer. • The freezer keeps running at full speed for 50 hours and then returns to the previous temperature. **NOTE** Using Power Freeze increases power consumption. Make sure you turn it off and return to the previous temperature if you do not intend to use it.
Ice Maker (applicable models only)	By default, the refrigerator is set to make ice with the corresponding indicator on. To disable this function, press and hold **Ice Maker** for 3 seconds. We recommend disabling the function in the following cases: • The ice bucket is already full of ice. • You want to save power consumption. • When removing the ice maker while it is operating, the ice maker automatically turns off, and the ice maker button (holding down **Power Freeze**) will be disabled. • If reattaching the removed ice maker while the refrigerator is on, the ice maker automatically turns on.

02 Freezer / Freezer Convert (3 sec)

Freezer	The **Freezer** button can be used to set the freezer temperature. ⚠ **CAUTION** • To prevent system failure or food spoiling, do not set the temperature to -15 ˚C in summer (above 35 ˚C). • Do not store glass bottles containing liquid in the freezer. Glass bottles will crack or break into pieces when the liquid freezes.

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Freezer Convert	You can use the entire refrigerator with Fridge mode, or turn off the freezer. To change the default freezer mode, press and hold **Freezer Convert** for 3 seconds to enter the selection mode. Then, press **Freezer Convert** to select a desired mode. The mode changes in this sequence: Fridge → OFF → Freezer, then back to Fridge. • If you select Fridge, the fridge indicator turns on. Power Freeze will be deactivated if active, and Ice On will turn off if enabled. • If you select Off, the Off indicator turns on. The freezer will be turned off. • If you select the freezer setting mode, the freezer temperature indicators turn on for your selection. • If you select Freezer, the freezer temperature indicators turn on and the freezer will operate as a freezer (with temperatures below freezing). • If you switch back to Freezer mode from Fridge or Off mode, the ice maker automatically turns on. Your changes will be set and activated after 10 seconds. To cancel or change the mode again, press and hold **Freezer Convert** again for 3 seconds. Then, follow the instructions as mentioned above. **NOTE** • If you press and hold **Freezer Convert** for 3 seconds in other modes, the refrigerator switches to selection mode where you can press **Freezer Convert** to select a different mode. • When refrigeration or freezing functions are at 'Off mode', the temperature of the fridge or freezer remains under 10 °C to prevent mold and odors, using low electricity. • Fridge or Freezer cannot be powered off independently. • Do not store food or beverage in refrigerator when refrigeration or freezing functions are at 'Off mode'. 10 °C is not cool enough to prevent spoilage.

⚠ WARNING

- Do not put glass bottles containing liquid in the freezer. When cancelling Freezer Convert, the glass bottles may break or burst in the freezer.
- Make sure to remove frozen foods from the freezer before enabling the Freezer Convert. Frozen foods melt and spoil as the temperature increases (Freezer mode changes to Fridge mode).
- Make sure to remove chilled foods from the freezer before disabling the Freezer Convert. Chilled foods may freeze as the temperature decreases (Fridge mode changes to Freezer mode).

NOTE

If you want to use Freezer Convert, it is strongly recommend to use plastic containers to store food, especially vegetables.

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Operations

03 Fridge / Fridge On/Off (3 sec)

Fridge	To adjust the fridge temperature, press **Fridge** to select the corresponding temperature. ⚠ **CAUTION** • In winter, do not set the temperature control to 1 °C. This may cause problems with the cooling performance. • In summer, do not set the temperature control to 5-7 °C. This may also cause problems with the cooling performance.
Fridge On/Off	Press and hold **Fridge** for 3 seconds to select Fridge On/Off. The temperature indicator will turn off and the Fridge On/Off indicator will turn on. **NOTE** • In Fridge On/Off mode, the temperature of the fridge or freezer remains under 15 °C to prevent mold and odors. The refrigerator uses less electricity. • Do not store food or beverages in the refrigerator when the refrigeration or freezer functions are set to 'Off mode'. 10 °C is not cool enough to prevent spoilage.

04 Power Cool (3 sec)

Power Cool	Power Cool speeds up the cooling process at maximum fan speed. The fridge keeps running at full speed for several hours and then returns to the previous temperature. • To activate Power Cool, press and hold **Power Cool** for 3 seconds. The corresponding indicator (⛄) lights up, and the refrigerator will speed up the cooling process for you. • To deactivate Power Cool, press and hold **Power Cool** again for 3 seconds. The fridge returns to the previous temperature setting. • To cool large amounts of food completely, make sure you have activated Power Cool at least 24 hours in advance. **NOTE** Using Power Cool increases power consumption. Make sure you turn it off and return to the previous temperature if you don't intend to use it.

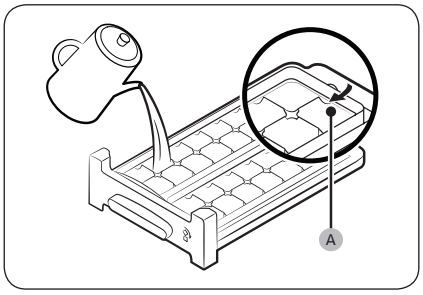
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Special features

The actual image and special functions of your refrigerator may differ, depending on the model and the country.

Ice making (applicable models only)

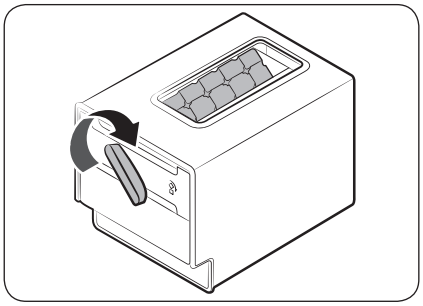
Twist ice maker



1. Open the freezer door, and slide open the ice tray.
2. Fill the tray with water up to the maximum level (A) marked on the inner rear of the tray.
3. Slide the tray back into position.

NOTE

The ice making time depends on your temperature settings.



NOTE

- Make sure the ice cube storage bin is in place under the ice tray.
- To dispense the ice cubes, turn the handle of the bin to the right to empty half of the ice cubes into the bin. Then, turn it to the left to empty the other half.
- Take out the bin by slightly twisting and pulling to the front.

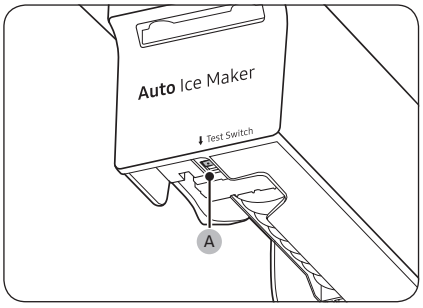
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Operations

Auto ice maker (applicable models only)

For first-time use

- Let the ice maker make ice for 1-2 days.
- Discard the first 1-2 buckets of ice to remove impurities in the water supply system.
- When the upper ice tray is full, use the lower ice tray.



If the auto ice maker does not make ice, remove the ice bucket and press **Test Switch (A)** to check if the auto ice maker operates properly.

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Maintenance

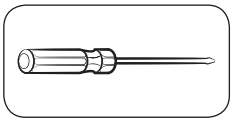
Door reversal (applicable models only)

Reversing the door must be performed by Samsung-approved servicing personnel at your own expense because this kind of servicing is not covered by the Warranty.

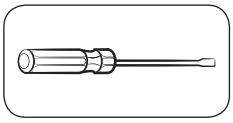
⚠ **WARNING**

- Reversing failure or property damage that may occur by unapproved agencies will not be covered by the Warranty.
- Make sure that the refrigerator is disconnected from the power source before doing the reversal.
- You must wait for at least an hour after door reversing is complete. This is to prevent electric shock that could occur.

Tools required (not provided)



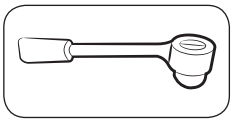
Phillips screwdriver



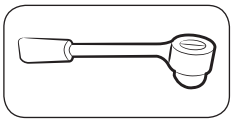
Flat-head screwdriver



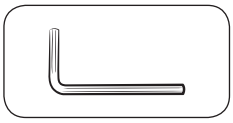
11 mm spanner
(for hinge shaft)



8 mm socket wrench
(for bolts)

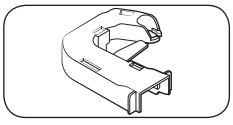


10 mm socket wrench
(for bolts)



5 mm Allen wrench
(for middle hinge)

Accessories



Hinge Cover (L)

⚠ **CAUTION**

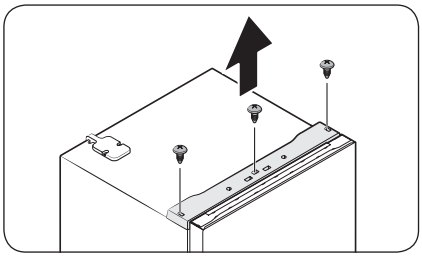
Throughout the entire reversing procedure, keep all the small parts (screws, caps, etc.) of the refrigerator away from children or infants for safety reasons.

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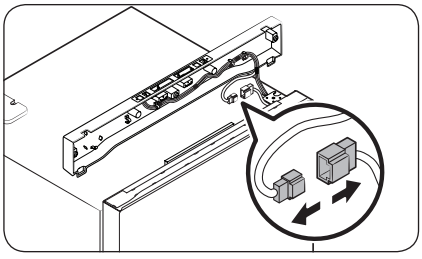
Maintenance

Step-by-step instructions

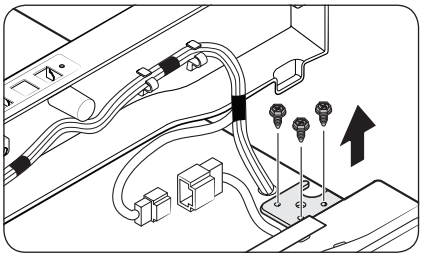
STEP 1 Remove the doors



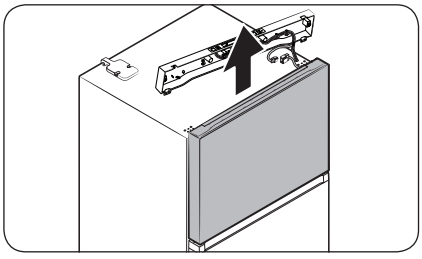
1. Use a Phillips screwdriver to loosen the screws (x3) in three holes on the top table. Then, gently pull out the top table.



2. Decouple the wire connectors.

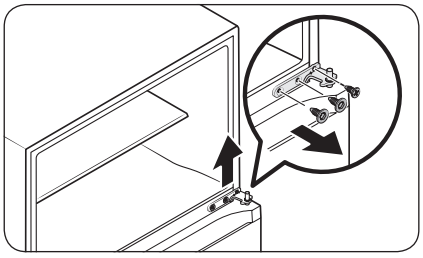


3. Loosen the bolts on the top hinge.

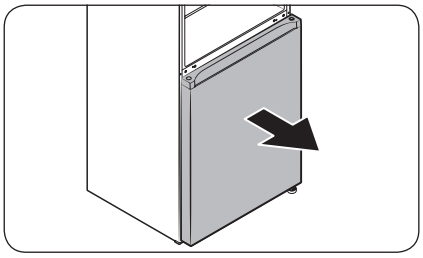


4. Gently lift up the freezer door to remove it.

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5. Use the screwdriver and the wrench to loosen the bolts and remove the **middle hinge**.



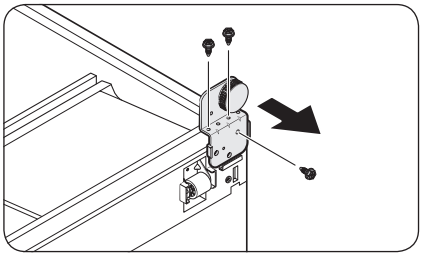
6. Gently slide the **fridge door** out of the **hinge shaft**, and then pull up to remove.

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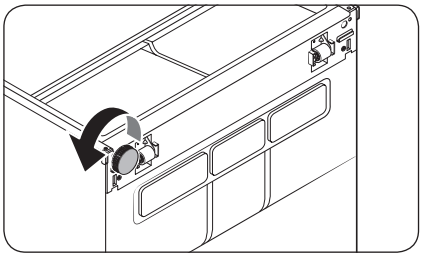
Maintenance

STEP 2 Remove the hinges and shafts

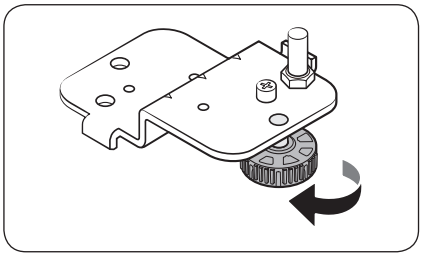
To facilitate the reversing process, gently lay the refrigerator down on a flat floor covered by a cushion or rug.



1. Use the screwdriver to remove the **bottom hinge**.

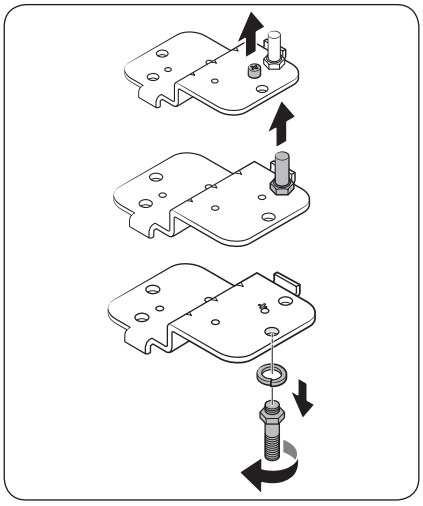


2. Remove the **levelling leg** on the opposite side by turning it counterclockwise.

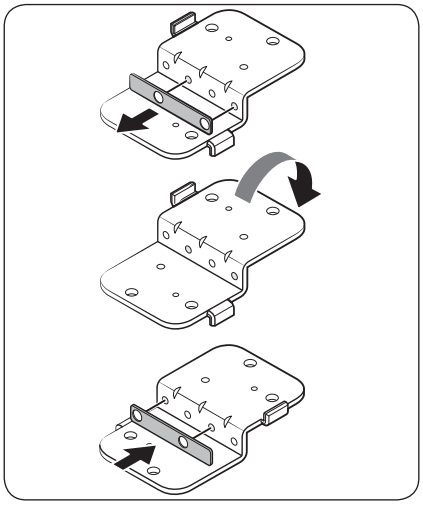


3. Remove the **levelling leg** from the **bottom hinge** by turning it counter clockwise.

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4. Use the screwdriver to remove the **hinge bolt**. Then, use the wrench to remove the **door shaft**, and then the **leg bolt** with the **spring washer**.



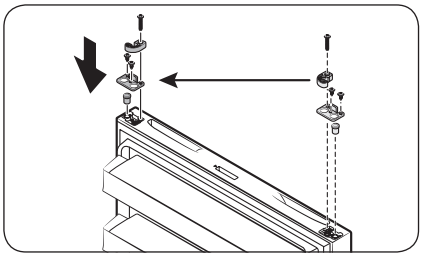
5. Detach the hinge shim manually, which has been attached using double-sided tape. Turn the bottom hinge over, and then reattach the hinge shim to the opposite side.

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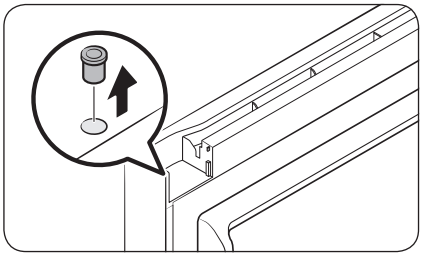
Maintenance

STEP 3 Reverse the auto closer (freezer door only)

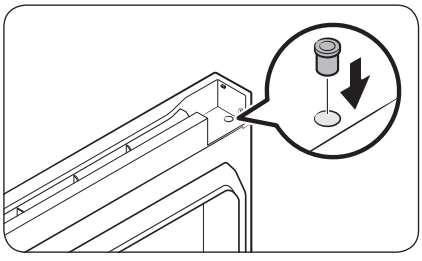
Now stand the refrigerator back upright with care, and then do the following.



1. Remove the **auto closer** and the **stopper** from the bottom of the fridge door. Then, reinsert them on the opposite side of the fridge door as shown.



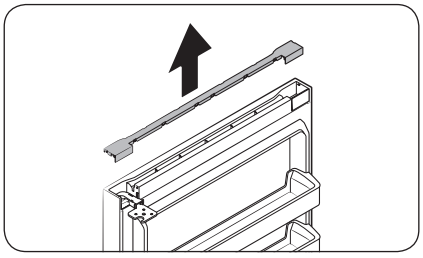
2. Use a flat-head screwdriver to remove the **hinge grommet**.



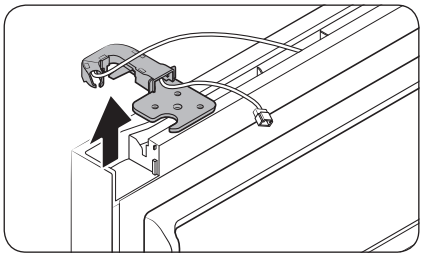
3. Reinsert the **hinge grommet** on the opposite side.

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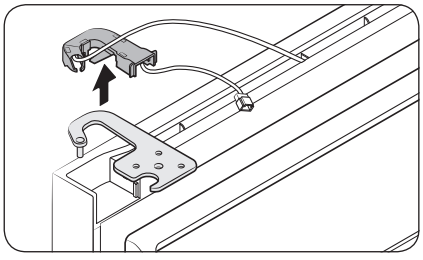
STEP 4 Reverse the bar cover and the top hinge



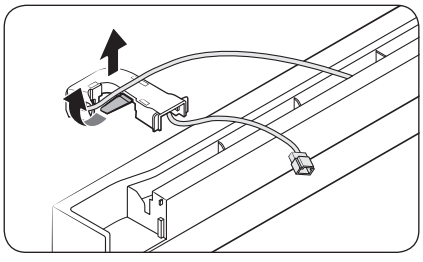
1. Pull up to remove the **bar cover** on the top of the freezer door.



2. Remove the **top hinge** with its cover.



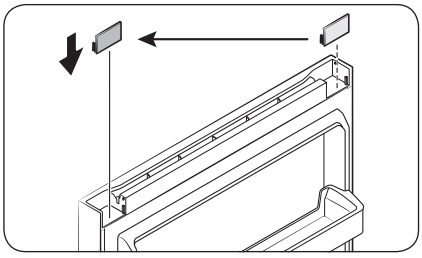
3. Separate the **top hinge** from the **hinge cover**.



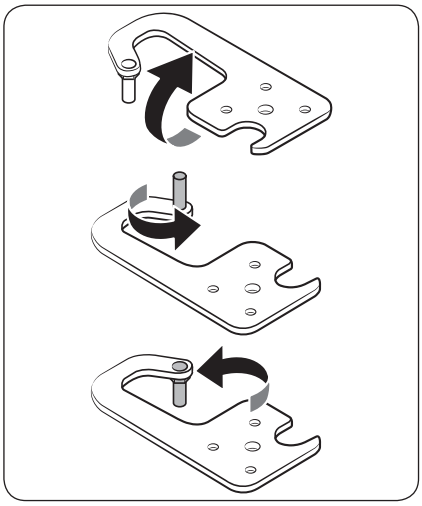
4. Arrange the door wire in the **hinge cover**.

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Maintenance



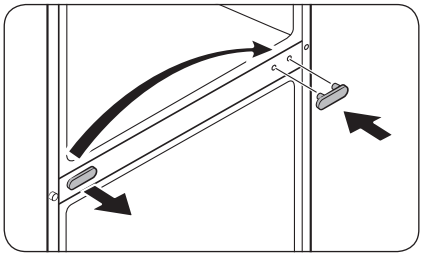
5. Remove the **cap spacer**, and then reinsert it on the opposite side.



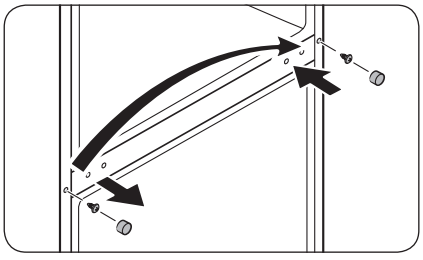
6. Remove the **door shaft** from the **top hinge**, flip it 180 degrees as shown, and then reinsert it .

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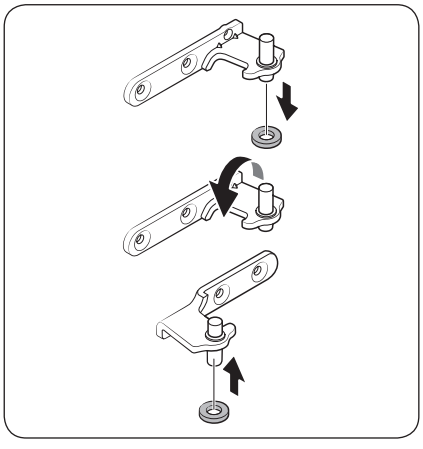
STEP 5 Reattach the doors on the opposite side



1. Use a flat-heat screwdriver to remove the **middle-hinge screw cap**, and then reinsert it on the opposite side.



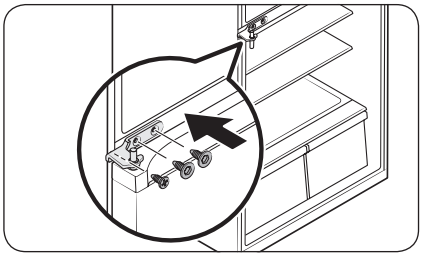
2. Use the flat-heat screwdriver to remove the **flange-screw cap** to reveal the **flange screw**. Use a Phillips screwdriver to remove the **flange screw**, and then tighten it on the opposite side. Finally, close the **flange-screw cap** on the opposite side.



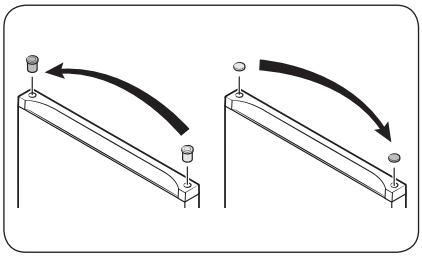
3. Remove the **grommet ring** from the **middle-hinge shaft**, and then reinsert the ring on the other side of the shaft. See the figure for visual reference.

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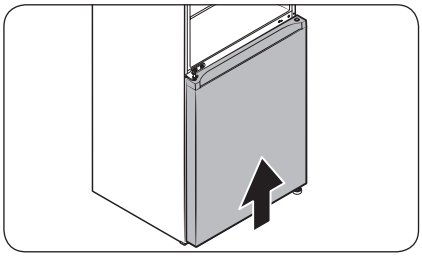
Maintenance



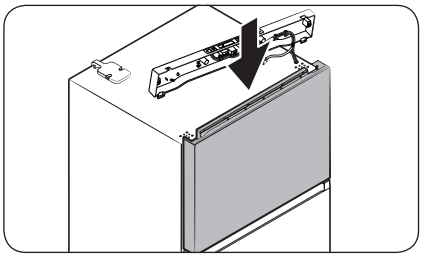
4. Reverse the **middle hinge** and insert it on the opposite side. Then, tighten the hinge with the screws.



5. Use the flat-head screwdriver to remove both the **hinge grommet** on one side and the **hinge-hole cap** on the other side. Reinsert them on their respective opposite side.



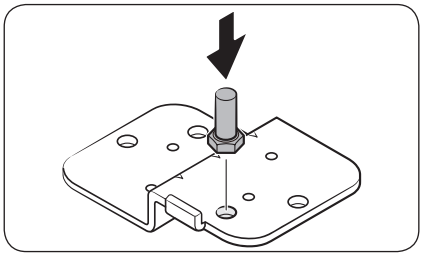
6. Gently slide the **fridge door** into the correction position so that it fits.



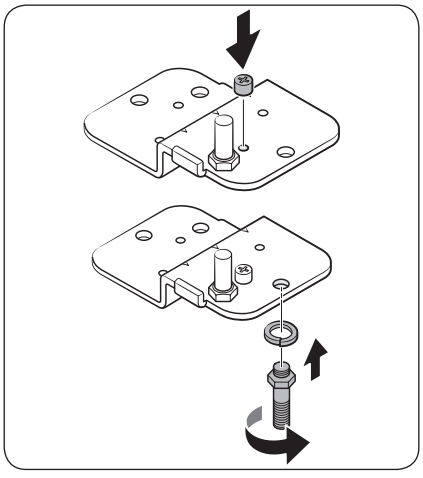
7. Gently slide the **freezer door** into the correction position so that it fits.

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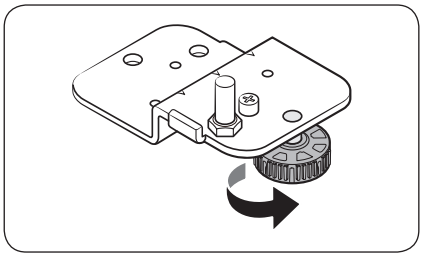
STEP 6 Reverse the shaft and the leg



1. Reverse the **bottom hinge**, insert the **door shaft** into it, and then tighten the **door shaft**.



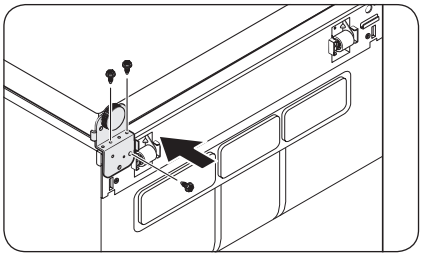
2. Insert the **hinge bolt** and the **spring washer**, and then the **leg bolt** into the **bottom hinge**. Then, tighten them by turning them clockwise.



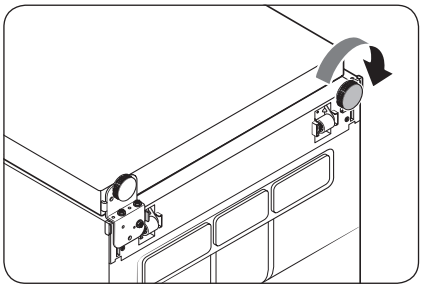
3. Insert the hinge-side **levelling leg**, and then tighten it by turning it clockwise.

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Maintenance



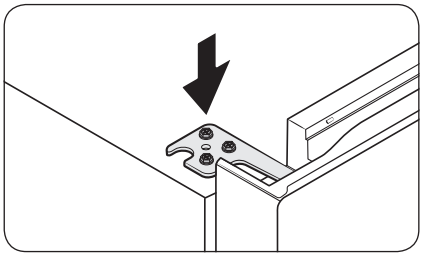
4. Insert the **bottom hinge** in the opposite side, and then tighten it.



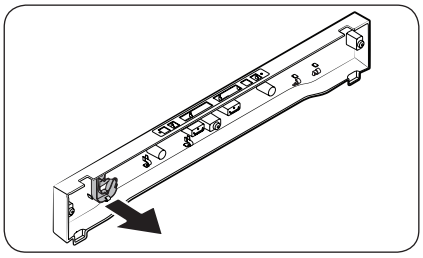
5. Insert and tighten the other **levelling leg** by turning it clockwise.

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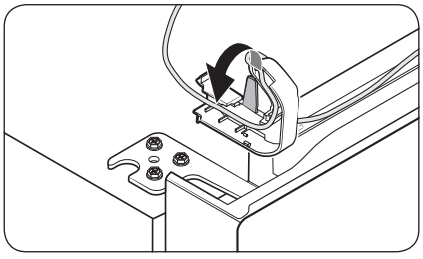
STEP 7 Reattach the remaining parts



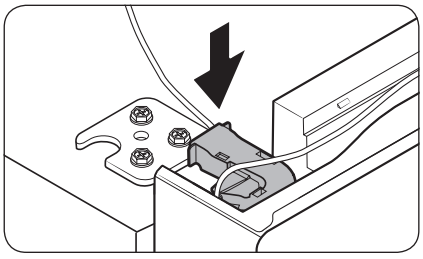
1. Insert and tighten the **top hinge** on the opposite side.



2. Detach the **hinge cover** manually from the **top table**.

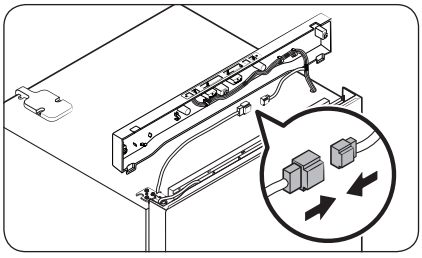


3. Arrange the door wire in the **hinge cover** before placing the **hinge cover** onto the **top hinge**.

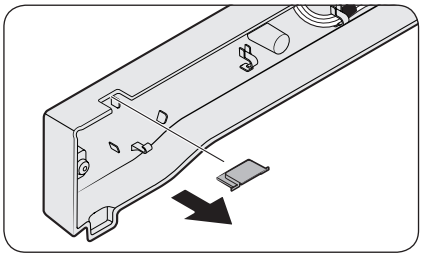


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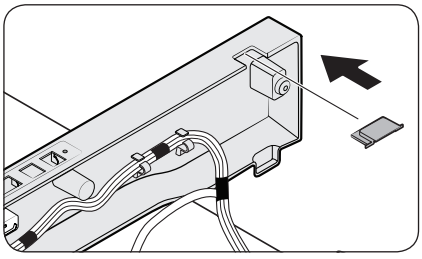
Maintenance

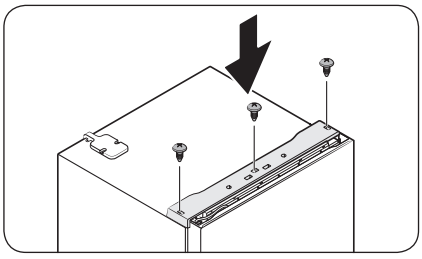


4. Connect the **wire connectors**.



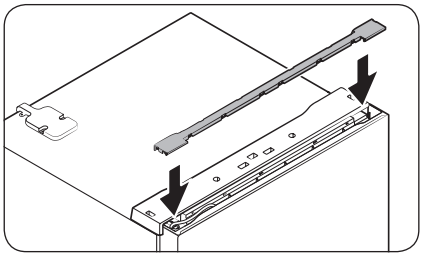
5. Remove the **hinge hole cap** from the **top table**, and then reinsert it on the opposite side.



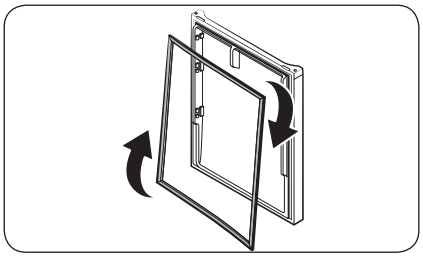


6. Insert the **top table**, and then fix it firmly to the refrigerator using the screws (x3).

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7. Insert the **bar cover**.



8. Remove the fridge door and freezer door gaskets. Turn them clockwise by 180 degrees, and then reattach them.

NOTE

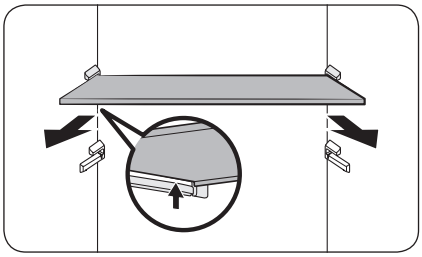
In the future, you might want to return the doors to their initial position (before the doors were reversed). In that case, refer to the instructions on the previous pages, but switch the doors, hinges, and covers back to their initial positions.

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Maintenance

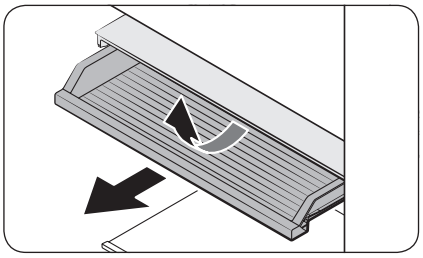
Handle and care

Shelves (fridge/freezer)



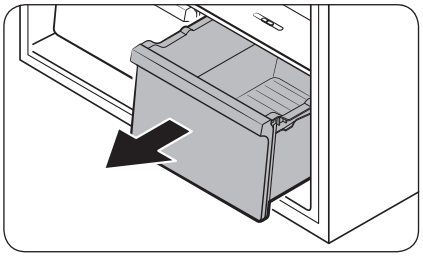
To remove the shelf, hold it with both hands and lift to release from the rear hooks. Then, pull it halfway to the front.

Fresh room



Slide out the Slide shelf of Fresh room.

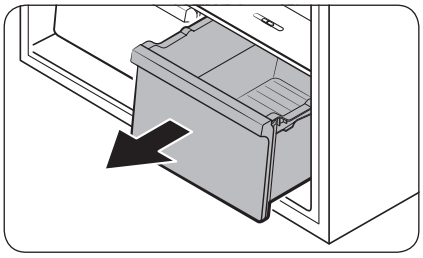
Vegetable drawers



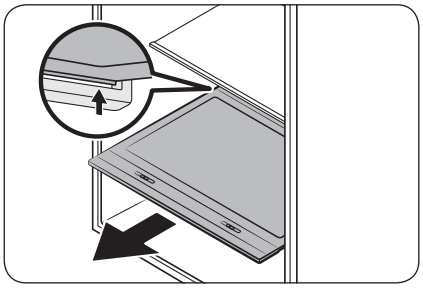
Gently lift up the front of the drawer and slide out.

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Vegetable shelf

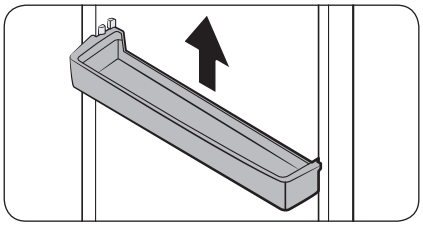


1. Gently lift up the front of the drawer and slide out.



2. Hold it with both hands and slide out the vegetable shelf.

Door guards



Slightly lift up and pull out the door guard.

⚠ **CAUTION**

To prevent accidents, empty the door guards before removing.

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Maintenance

Cleaning

Regularly use a dry cloth to remove all foreign substances such as dust or water from the power plug terminals and contact points.

1. Unplug the power cord of the refrigerator.
2. Use a moistened soft lint-free cloth or paper towel to clean the refrigerator's interior and exterior.
3. When done, use a dry cloth or paper towel to dry well.
4. Plug in the power cord of the refrigerator to turn the refrigerator on.

NOTE

If you have removed any removable parts such as shelves for cleaning, refer to the overall layout in the What's included section to make sure you have reinserted correctly.

⚠ WARNING

- Do not use benzene, thinner, or home/car detergent such as Clorox™ for cleaning purposes. They may damage the surface of the refrigerator and cause a fire.
- Do not spray water onto the refrigerator. This may cause electric shock.

Replacement

Lamps

The lamps are not user-serviceable. To replace the lamps of the refrigerator, contact a local Samsung service centre.

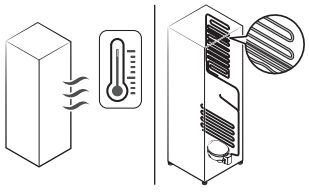
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Troubleshooting

Before calling for service, review the checkpoints below. Any service calls regarding normal situations (No Defect Cases) will be charged to users.

General

Temperature

Symptom	Possible causes	Solution
Fridge/freezer does not operate. Fridge/freezer temperature is warm.	• Power cord is not plugged in properly.	• Properly plug in the power cord.
	• Temperature control is not set correctly.	• Set the temperature lower.
	• Refrigerator is located near a heat source or direct sunlight.	• Keep the refrigerator away from direct sunlight or a heat source.
	• Not enough clearance between refrigerator and sides/rear.	• Make sure there are at least 5 cm from the rear and sides.
	• Vacation mode is activated.	• Deactivate vacation mode.
	• The refrigerator is overloaded. Food is blocking the refrigerator vents.	• Do not overload the refrigerator. Do not allow food to block ventilation.
Fridge/freezer is over-cooling.	• Temperature control is not set correctly.	• Set the temperature higher.
Interior wall is hot.	• Refrigerator has heat-proof piping in the interior wall.	• To prevent condensation from forming, the refrigerator has heat-proof piping in the front corners. If the ambient temperature rises, this equipment may not work effectively. This is not a system failure. 

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Troubleshooting

Odors

Symptom	Possible causes	Solution
Refrigerator has odors.	• Spoiled food.	• Clean the refrigerator and remove any spoiled food.
	• Food with strong odors.	• Make sure strong smelling food is wrapped airtight.

Frost

Symptom	Possible causes	Solution
Frost around the vents.	• Food is blocking the vents.	• Make sure no food blocks the refrigerator vents.
Frost on interior walls.	• Door is not closed properly.	• Make sure food does not block the door. Clean the door gasket.
Fruits or vegetables are frozen.	• Fruits or vegetables are stored in the Fresh/Chef Zone.	• The Fresh/Chef Zone is only for meat/fish.

Condensation

Symptom	Possible causes	Solution
Condensation forms on the interior walls.	• If door is left open, moisture enters the refrigerator.	• Remove the moisture and do not open the door for a long time.
	• Food with high moisture content.	• Make sure food is wrapped airtight.

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Auto Ice Maker

Symptom	Possible causes	Solution
The ice maker does not produce ice.	• The freezer room is not cold enough.	• Make sure the cold air outlet is not clogged.
	• The ice maker is turned off.	• Make sure the ice maker is turned on. Press and hold **Power Freeze** for 3 seconds, and check if the corresponding indicator turns on.
	• The wire connector of the ice maker is not connected properly.	• Make sure the wire connector from the wire housing is connected properly.
	• The water line flowing to the ice maker is bent or kinked.	• Make sure the water line in the rear of the refrigerator is not bent or kinked.

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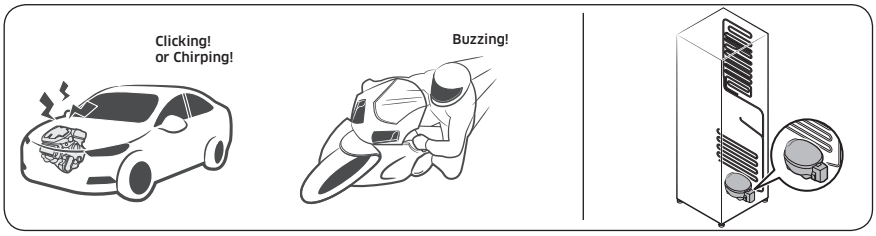
Troubleshooting

Do you hear abnormal sounds from the refrigerator?

Before calling for service, review the checkpoints below. Any service calls related to normal sounds will be charged to the user.

These sounds are normal.

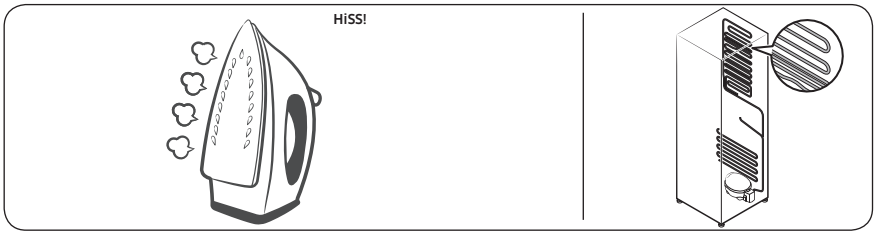
- When starting or ending an operation, the refrigerator may make sounds similar to a car engine igniting. As the operation stabilizes, the sounds will decrease.



- While the fan is operating, these sounds may occur. When the refrigerator reaches the set temperature, no fan sound will occur.

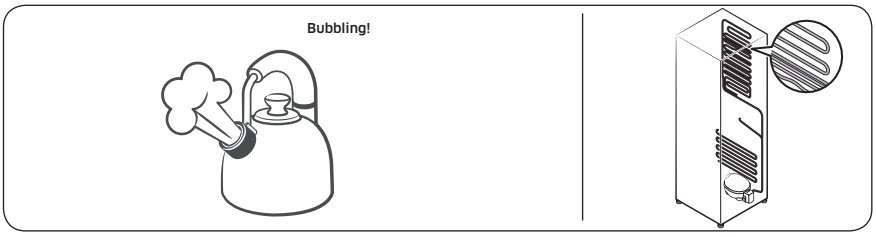


- During a defrost cycle, water may drip on the defrost heater, causing sizzling sounds.

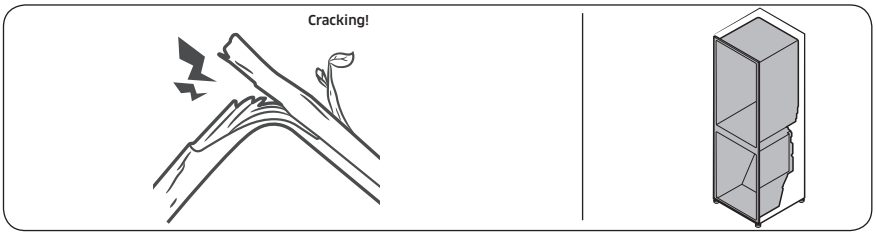


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- As the refrigerator cools or freezes, refrigerant gas moves through sealed pipes, causing bubbling sounds.



- As the refrigerator temperature increases or decreases, plastic parts contract and expand, creating knocking noises. These noises occur during the defrosting cycle or when electronic parts are working.



- For ice maker models: When the water valve opens to fill the ice maker, buzzing sounds may occur.
- Due to pressure equalizing when opening and closing the refrigerator door, whooshing sounds may occur.

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Memo

Memo

SAMSUNG

Contact SAMSUNG WORLD WIDE

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

Country	Contact Center	Web Site
AUSTRALIA	1300 362 603	www.samsung.com/au/support
NEW ZEALAND	0800 726 786	www.samsung.com/nz/support





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