

# REFRIGERATOR

MODEL : SJG2254FS



Refrigerator: Model SJG2254FS

|                                     |    |                                 |    |
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- FAQ's and How-To Videos
- Find or Request Service
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- Downloads including the Installation Guide, Spec Sheet, and Owner's Manual

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If at any time you have questions or comments concerning your SHARP product, please contact the SHARP Customer Assistance Center. We are available to assist you through multiple contact methods for your convenience:

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# SHARP®

## CONSUMER LIMITED WARRANTY

SHARP ELECTRONICS CORPORATION ("Sharp") warrants to the first consumer purchaser that this Sharp brand product (the "Product"), when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof with a new or remanufactured equivalent at no charge to the purchaser for parts or labor for the period(s) set forth below.

This warranty does not apply to any cosmetic or appearance items of the Product nor to the additional excluded item(s) set forth below nor to any Product the exterior of which has been damaged or defaced, which has been subjected to misuse, abnormal service or handling, or which has been altered or modified in design or construction. In order to enforce the rights under this limited warranty, the purchaser should follow the steps set forth below and provide proof of purchase to the servicer.

The limited warranty described herein is in addition to whatever implied warranties may be granted to purchasers by law. ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE SET FORTH BELOW. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described herein, or to extend the duration of any warranties beyond the time period described above on behalf of Sharp. The warranties described herein should be the sole and exclusive warranties granted by Sharp and should be the sole and exclusive remedy available to the purchaser. Correction of defects, in the manner and for the period of time described herein, should constitute complete fulfillment of all liabilities and responsibilities of Sharp to the purchaser with respect to the Product, and should constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event should Sharp be liable, or in any way responsible, for any damages or defects in the Product which were caused by repairs or attempted repairs performed by anyone other than a Sharp authorized servicer. Nor should Sharp be liable or in any way responsible for any incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND PUERTO RICO.

**Product model number & description:** SJG2254FS, Refrigerator/Freezer

**Warranty period for this product:** One (1) year parts and labor, including in-home service.  
Five (5) years parts and labor, for sealed system (condenser, dryer, connecting tube and evaporator) and compressor, including in-home service.

**Additional item(s) excluded from warranty coverage:** Commercial, non-residential, or use inconsistent with published installation and product operational instructions.  
Light bulbs.  
Any food or medicine loss due to refrigerator or freezer product failures.  
In home instruction on how to use your product.

**What to do to obtain service:** In-home service is provided for one (1) year from date of purchase. Service can be arranged by calling 1-800-BE-SHARP. Be sure to have Proof of Purchase, Model, and Serial Number available.

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TO OBTAIN SUPPLY, ACCESSORY OR PRODUCT INFORMATION, CALL 1-800-BE-SHARP or visit [www.sharppusa.com](http://www.sharppusa.com).  
SAVE THE PROOF OF PURCHASE AS IT IS NEEDED SHOULD YOUR REFRIGERATOR/FREEZER EVER REQUIRE WARRANTY SERVICE.

# IMPORTANT SAFETY INSTRUCTIONS

## MEANING OF SAFETY WARNING SYMBOLS

### PROHIBIT

This is a prohibition symbol. Failure to follow instructions marked with this symbol may result in damage to the product or endanger the personal safety of the user.

### WARNING

This is a warning symbol. All instructions marked with the warning symbol must be strictly followed. Failure to do so may result in damage to the product or personal injury.

### CAUTION

This is a caution symbol. Instructions marked with this symbol require special caution. Insufficient caution may result in slight or moderate injury, or damage to the product.

State of California Proposition 65 Warnings:

WARNING: This product contains one or more chemicals known to the State of California to cause cancer.

WARNING: This product contains one or more chemicals known to the State of California to cause birth defects or other reproductive harm.

## SAFETY WARNINGS



### WARNING

#### RISK OF FIRE/FLAMMABLE MATERIALS

- This appliance is intended for use in residential environments for the storage of food items. It may also be used in similar environments such as: staff kitchen areas in offices, shops, farmhouses and hospitality locations such as hotels, motels and bed and breakfast establishments. It is NOT intended for commercial, industrial environments to be used as storage for non-food items or medical.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or 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. Children should be supervised to ensure that they do not play with the appliance.
- 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.
- Do not store explosive substances such as aerosol cans with flammable propellant in this appliance.
- The appliance has to be unplugged after use and before carrying out user maintenance on the appliance.
- Do not use extension cords or ungrounded (two prong) adapters.
- The refrigerator must be disconnected from the source of electrical supply before attempting the installation of accessory.

### WARNING

- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- Do not use mechanical devices or other means such as blow dryers, portable heaters, heat guns, hot water, etc. to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant system.
- Do not use electrical appliances inside the food storage compartments of the refrigerator, unless they are of the type recommended by the manufacturer.
- Follow all local laws and regulations to properly dispose of refrigerators as units contain environmentally hazardous and flammable materials and refrigerant.
- When positioning the appliance, ensure the supply cord is not trapped or damaged.
- Do not use multiple outlet power strips or portable power supplies at the rear of the appliance.

### CAUTION

Risk of child entrapment. Before you throw away your refrigerator or freezer:

- Take off the doors.
- Leave the shelves in place so that children may not easily climb inside.
- To prevent a child from being entrapped, keep out of reach of children or keep a child away from the vicinity of the appliance.

Refrigerant and cyclopentane foaming material used for the appliance are flammable. Therefore, when the appliance is scrapped, it shall be kept away from any fire source and be recovered by a qualified company with proper equipment rather than disposed of by any other means to prevent damage to the environment or any other harm.

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

This appliance can be used by children aged from 8 years and older 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 manner and understand the hazards involved. Cleaning and required maintenance shall not be made by children without supervision. Children should not be allowed to load and unload refrigerating appliances.

## FOR FOOD SAFETY

To avoid contamination of food, please follow these instructions:

- Opening the door for long periods can cause a significant increase of the temperature in the compartments of the appliance.
- Regularly clean surfaces that come in contact with food and accessible drainage systems.

# IMPORTANT SAFETY INSTRUCTIONS

- Flush the water system connected to a water supply if water has not been used for 5 days.
- Store raw meat and fish in suitable containers in the refrigerator, so that they do not come in contact with or drip onto other food.
- If the refrigerating appliance is left empty for long periods, switch off, defrost, clean, dry and leave the door open to prevent mold developing inside the appliance.

## ⚠ WARNING

- To avoid tipping hazard due to instability of the appliance, it must be installed in accordance with the instructions.
- Connect to potable water supply only. (Suitable for ice making machine.)

## ELECTRICITY RELATED WARNINGS

- Do not pull the power cord when pulling the power plug of the refrigerator. Please firmly grasp the plug and pull it out from the electrical outlet directly.
- To ensure safe use, do not damage the power cord or use the power cord when it is damaged or worn.

## ⚠ WARNING

- Please use a dedicated electrical outlet; the electrical outlet shall not shared with other electrical appliances. The power plug should be firmly contacted with the electrical outlet to reduce risk of fire.
- Please ensure that the grounding electrode of the electrical outlet is equipped with a reliable grounding circuit.
- In case of gas leak, please turn off the valve of the leaking gas and then open the doors and windows. **Do not unplug the refrigerator and other electrical appliances. this may cause a spark that could ignite a fire.**

## 🚫 PROHIBIT

- **Do not use electrical appliances on the top of the refrigerator, unless they are of the type recommended by the manufacturer.**

## WARNINGS FOR USING

### 🚫 PROHIBIT

- **Do not arbitrarily disassemble or reconstruct the refrigerator, nor damage the refrigerant circuit; maintenance of the appliance must be conducted by a qualified serviceperson.**
- **Damaged power cord must be replaced by the manufacturer, its maintenance department or qualified technicians in order to avoid danger.**
- **Do not allow any child to get into or climb on the refrigerator; suffocation or injury from falling may occur.**

### ⚠ WARNING

- The space between the refrigerator doors and the internal compartments is small. Use caution to avoid accidental injuries to hands and fingers when reaching inside for items.
- Close refrigerator door gently to avoid causing items to fall over within the appliance.
- Do not touch or handle foods or containers in the freezer with wet hands when the refrigerator is running, especially metal containers, in order to avoid injury.

### ⚠ CAUTION

- Do not place heavy objects on the top of the refrigerator considering that objects may fall when closing or opening the door, potentially causing serious injury.
- Disconnect power supply in case of power failure or cleaning. Do not connect the refrigerator to power supply within five minutes to prevent damage to the compressor due to successive starts.

# IMPORTANT SAFETY INSTRUCTIONS

## WARNINGS FOR PLACEMENT OF ITEMS

### ⓘ WARNING

- Do not put flammable, explosive, volatile and highly corrosive items in the refrigerator to prevent damage to the appliance and to avoid causing fire.
- Do not place flammable items near the refrigerator to avoid fires.
- The refrigerator is intended for household use, such as storage of foods; it shall not be used for other purposes, such as storage of blood, medical supply or biological products, etc.
- Do not store beer, carbonated beverages or other fluids stored in pressurized containers in the freezer of the refrigerator; the bottles or enclosed containers may crack due to freezing causing damage to the appliance and other food items.
- Do not store items in refrigerator or freezer for time periods exceeding food manufacturer's recommended expiration dates.

## WARNINGS FOR ENERGY

1. Refrigerating appliances might not operate consistently (possibility of defrosting of contents or temperature becoming too warm in the freezer) when sitting for an extended period of time in an environment in which the ambient temperature is too far above or below the recommended ambient temperature in which the appliance was designed to be used.
2. Use necessary precautions to prevent an undue rise in the temperature of the frozen food while defrosting the freezer, such as wrapping the frozen food in several layers of newspaper or transferring items to a cooler temporarily. Rising temperatures could result in frozen foods defrosting when performing maintenance or cleaning, shortening the foods' storage life.

## WARNINGS FOR DISPOSAL

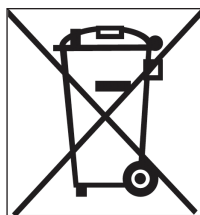
### ⓘ PROHIBIT

Refrigerant and cyclopentane foaming material used for the refrigerator are flammable. Therefore, when the refrigerator is recycled, it shall be kept away from any fire source and be recovered by a qualified recovering company with proper equipment to prevent damage to the environment or any other harm.

### ⓘ WARNING

When the refrigerator is recycled, disassemble the doors, and remove gasket of doors and shelves; put the doors and shelves in a proper place, to prevent trapping of any child.

### Correct Disposal of this product



This marking indicates that this product should not be disposed of with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and

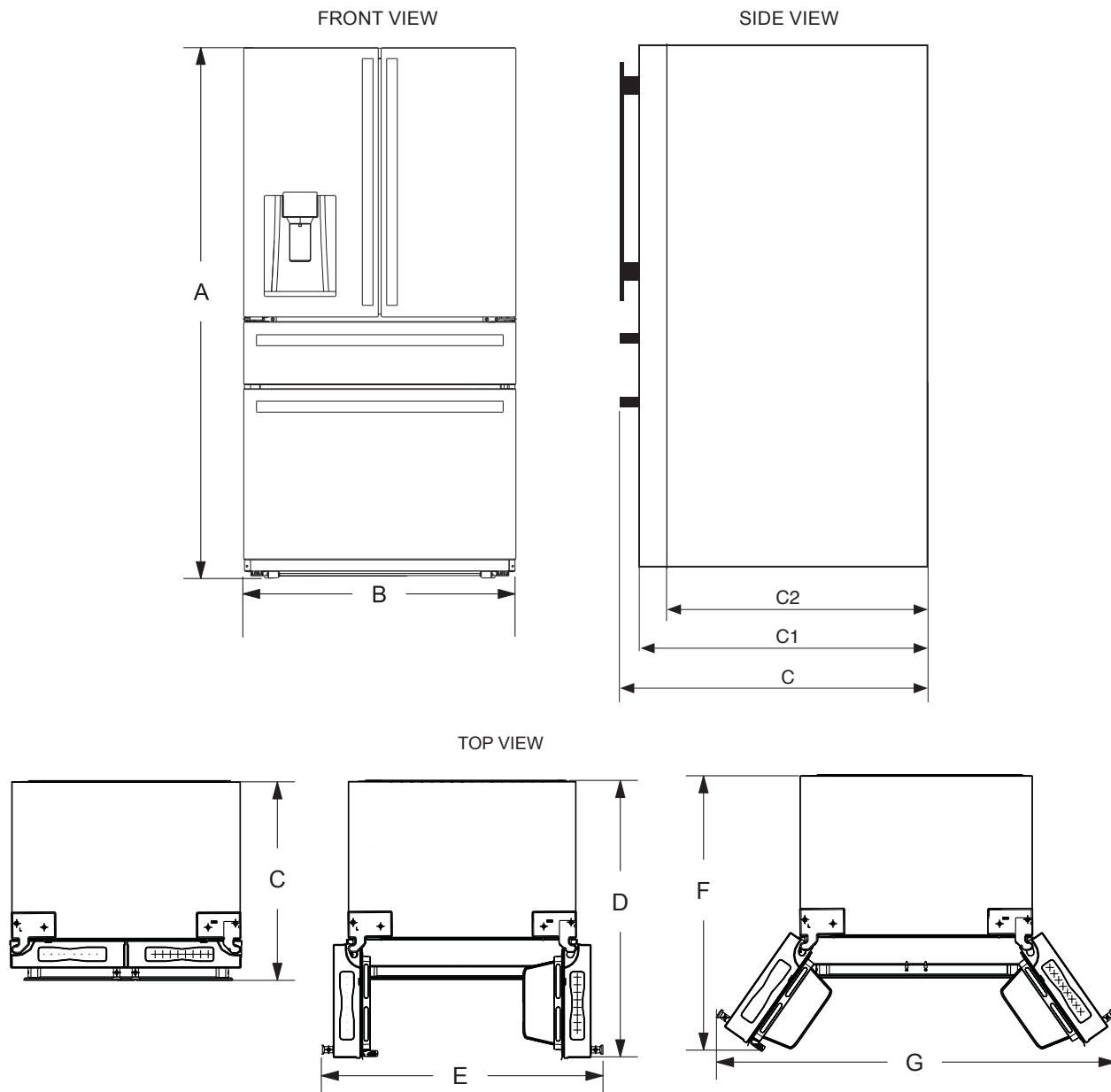
collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

### ⓘ WARNING

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

# INSTALLATION INSTRUCTIONS

## APPLIANCE/INSTALLATION DIMENSIONS



|                       | DIMENSIONS | SIZE (INCHES) |
|-----------------------|------------|---------------|
| Height                | A          | 69.9          |
| Width                 | B          | 35.8          |
| Depth without Doors   | C2         | 24.4          |
| Depth without Handles | C1         | 29.0          |
| Depth with Handles    | C          | 30.9          |
| Door open 90° Depth   | D          | 43.2          |
| Door open 90° Width   | E          | 44.2          |
| Door open 135° Depth  | F          | 41.3          |
| Door open 135° Width  | G          | 64.4          |



# INSTALLATION INSTRUCTIONS

## ⚠ WARNING

### Precautions before installation:

Before installation or adjusting of accessories, it shall be ensured that the refrigerator is disconnected from power.

Precautions shall be taken to ensure that the handle has been securely attached in order to prevent personal injury when opening the door.

## INSTALLATION LOCATION

- This refrigerator is designed for indoor, household use only.
- Keep away from heat and avoid direct sunlight or places near a heat source, such as an oven or a radiator.
- Do not place the refrigerator in moist or damp places to prevent rust or reduction of its insulating function of the electrical components and food storage compartments.
- The refrigerator should be placed in a dry and well-ventilated indoor place.
- The ground shall be level, and sturdy (rotate the adjustable leg left or right to adjust for leveling if unstable).
- The ambient temperature of the appliance's location should range from a minimum of 55°F to a maximum of 110°F. However, for better energy usage and superior cooling, the temperature is recommended to be between 60°F and 90°F.
- For proper air circulation and electric connections, allow a 3/4" clearance on each side and behind the refrigerator. Allow a 3/8" clearance at top of the refrigerator.
- Spare enough space for convenient opening of the doors and drawers, especially when the refrigerator is installed next to a fixed wall to allow the door to swing open.

## DISASSEMBLY OF REFRIGERATOR DOORS/DRAWERS

In some cases you need to remove the fridge doors and drawer doors to move the refrigerator through a doorway. The doors can be removed by the following steps. IF NOT NECESSARY, DO NOT REMOVE THOSE DOORS.

### DISASSEMBLY OF REFRIGERATOR DOORS

1. Use screw driver to remove the 3 screws, and then remove the upper hinge cover of the left door. See Figure 1.
2. Press the water line locking ring into place, and then pull the left door water line from the connector by hand. See Figure 2.

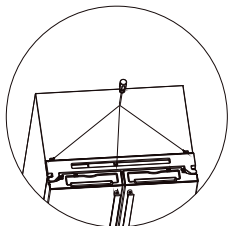


Figure 1

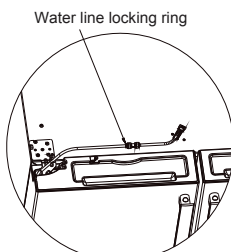


Figure 2

3. Use the screwdriver to loosen the 3 screws and 1 earth screw fixing the upper hinge, then remove the plug terminal and then remove the left door. See Figure 3.

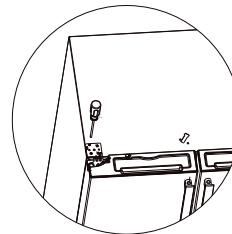


Figure 3

4. The right door has no earth screw. Follow the rest of the steps for the left door.

### DISASSEMBLY OF FLEX DRAWER

1. Open the Flex Drawer to the maximum opening.
2. Lift the tail of the tray by holding both sides with both hands. See Figure 4.

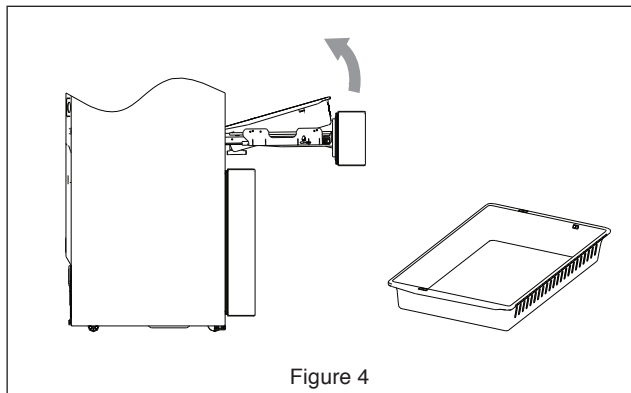


Figure 4

3. Pull the whole tray toward you about 5/8" until the support claws of the slide rails are separated from the tray.
4. Remove the tray from the side rails.
5. Remove harness cover with a screwdriver or appropriate tool. See Figure 5.

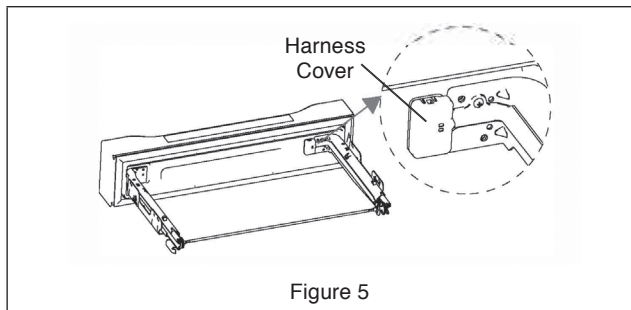
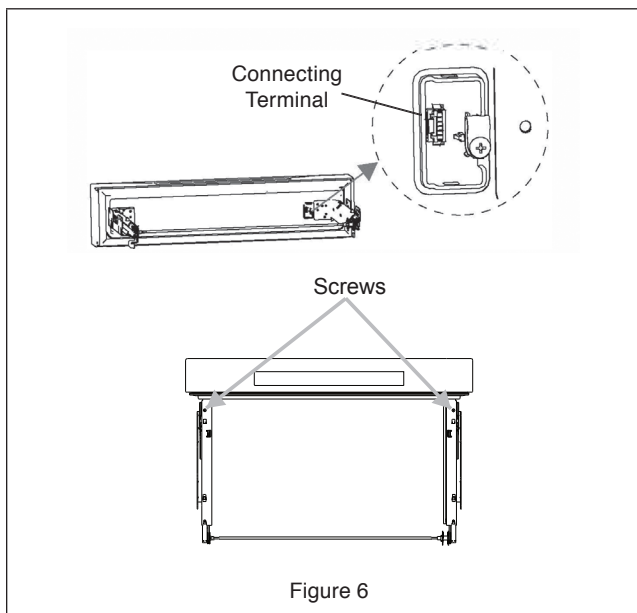


Figure 5



# INSTALLATION INSTRUCTIONS

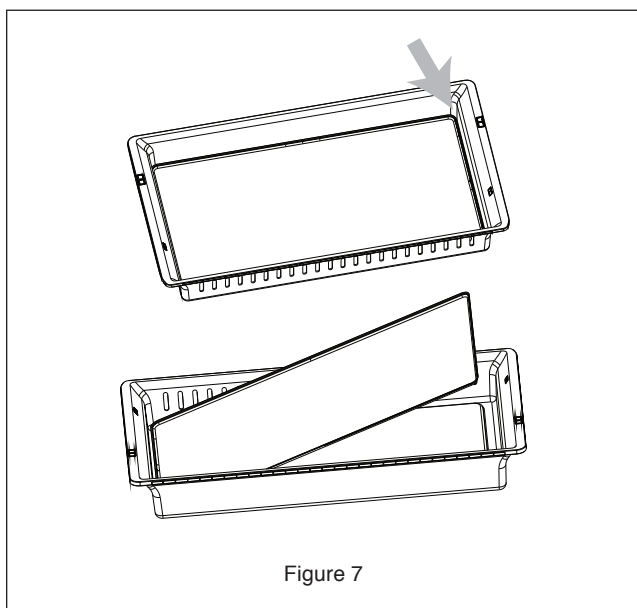
6. Remove harness clamp with a screwdriver and unplug the connecting terminal. See Figure 6.



7. Remove the screws on the left and right slideway supports and have one person hold the Flex Drawer door for support.
8. Lift and angle the Flex Drawer door to pull with both hands to remove.

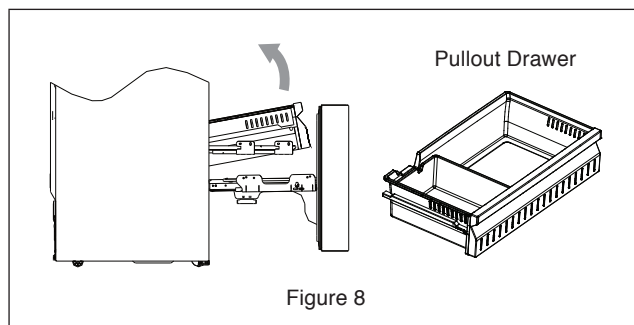
## STAINLESS STEEL COOLING PLATE

1. Use a small flat screwdriver tool to pry up a corner of the cooling plate.
2. Place a hand along the warped gap (wearing work gloves is recommended) and gently remove the plate. See Figure 7.



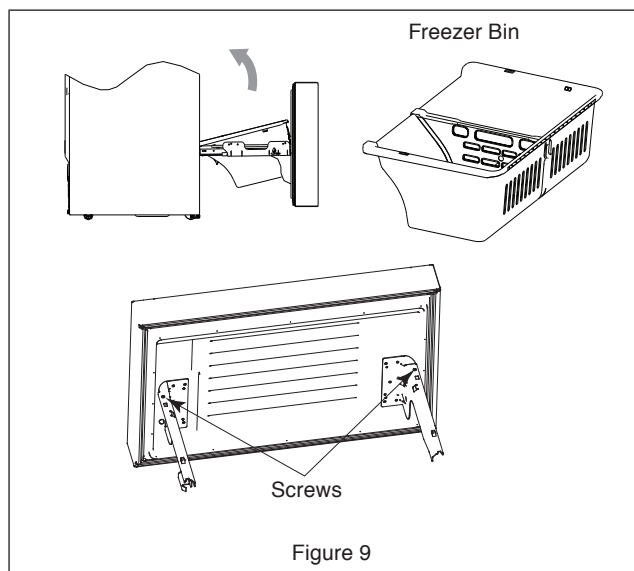
## DISASSEMBLY OF PULLOUT DRAWER

1. Open the freezer drawer to the maximum opening.
2. Lift the tail of the pullout drawer by holding both sides of the drawer with both hands.
3. Pull the slide rails all the way out, and push the pullout drawer forward until the drawer is separated from the support claws on the slide rails. See Figure 8.
4. Remove the pullout drawer from the side rails.



## DISASSEMBLY OF FREEZER DRAWER

1. Open the freezer drawer to the maximum opening.
2. Lift the tail of the freezer bin by holding both sides of the bin with both hands.
3. Pull the whole bin toward you until the support claws on the slide rails are separated from the bin.
4. Remove the freezer bin from the side rails.
5. Remove the screws on the left and right side rails with a screwdriver and have one person to hold the freezer drawer door for support. See Figure 9.
6. Lift the door to a certain angle and pull back with both hands to remove.

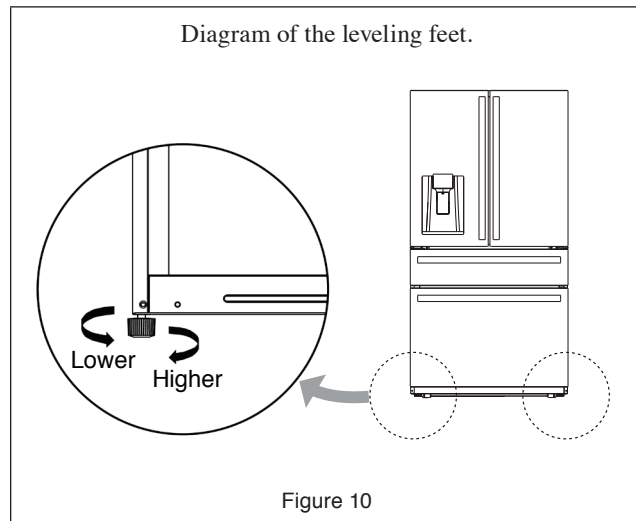


# INSTALLATION INSTRUCTIONS

## LEVELING THE REFRIGERATOR

### Precautions before operation

1. Before operation of accessories, it shall be ensured that the refrigerator is disconnected from power source. Before adjusting the leveling feet, precautions shall be taken to prevent any personal injury.
2. Adjusting procedures, see Figure 10:
  - A. Turn the feet clockwise to raise the refrigerator.
  - B. Turn the feet counterclockwise to lower the refrigerator.
  - C. Adjust the right and left feet based on the procedures above to a horizontal level.



## LEVELING THE DOORS

### Precautions before operation

1. Before operation of accessories, it shall be ensured that the refrigerator is disconnected from power source. Before adjusting the door, precautions shall be taken to prevent any personal injury.
2. Raise the lower door up to the level of the higher door.
3. Insert the supplied fastener-ring by using pliers in the gap between the hinge-grommet and the lower hinge.

The number of fasten-rings you will need to insert depends on the gap. See Figure 11.

#### LIST OF TOOLS TO BE PROVIDED BY THE USER

Pliers



Diagram of adjusting the door.

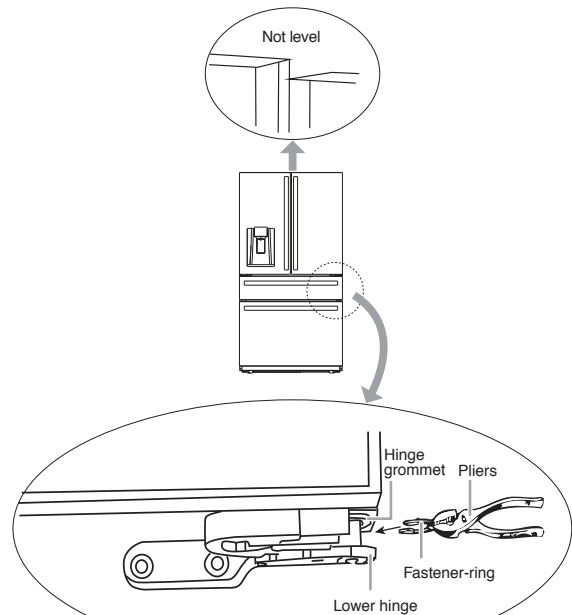
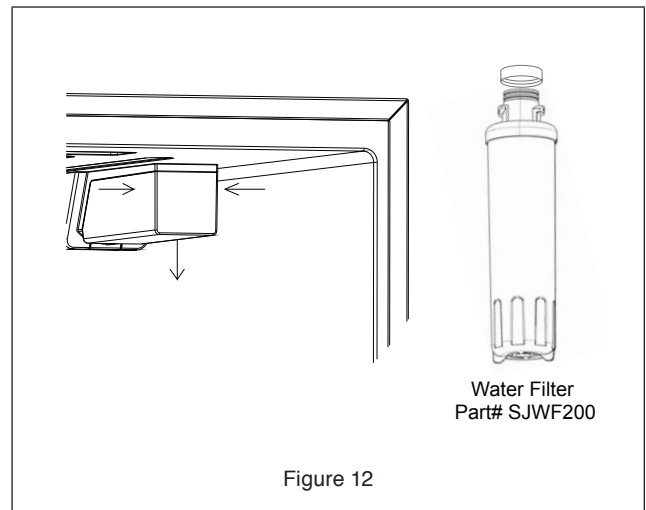


Figure 11

## INSTALLING THE WATER FILTER

1. When the refrigerator is used for the first time, press on both sides of the filter cover by hand and open the filter cover downward. See Figure 12.



# INSTALLATION INSTRUCTIONS

2. Then rotate the dustproof plug counterclockwise and remove the dustproof plug. See Figure 13.

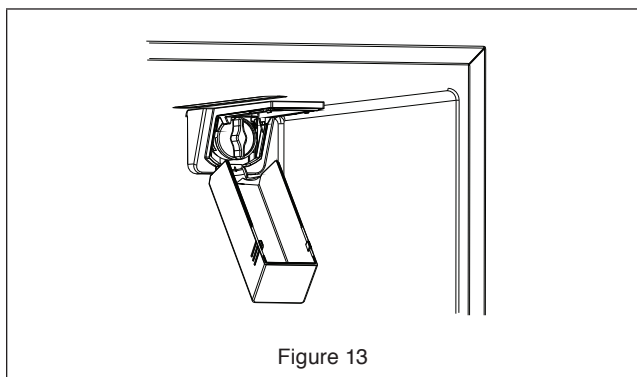


Figure 13

3. After removing the filter cap from the water filter, install it at the joint position by rotating clockwise until it is securely locked. See Figure 14.

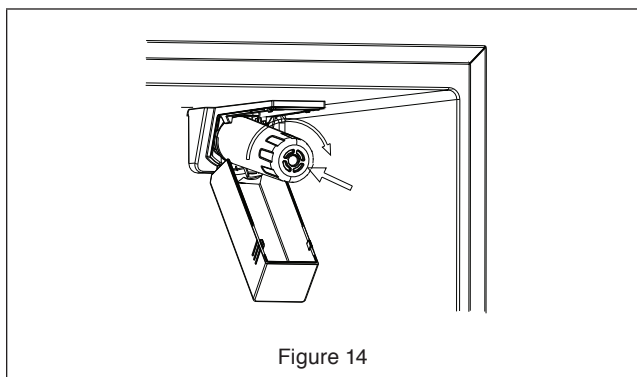


Figure 14

4. When the filter sign illuminates on the display panel, replace the water filter. The method of removing the filter element is the same as that of removing the dustproof plug.
5. The filter is recommended to be replaced every six months. For the replacement water filter (part# SJWF200), please call 1-800-BE-SHARP.

## CONNECTING THE WATER LINE

### WATER CONNECTION

#### ⚠ WARNING

Risk of electric shock and damage to the appliance:

- Disconnect the appliance from the power source before performing any work on the water connection.
- Only a qualified installation technician may connect the appliance to the water supply in accordance with plumbing and relevant water utility company regulations.

Connect the appliance to a drinking water line only:

- Minimum pressure: 0.21 MPa (2.07 bar, 30 PSI)
- Maximum pressure: 0.69 MPa (6.89 bar, 100 PSI)
- Pressure over 0.69 MPa (6.89 bar, 100 PSI): install a pressure limiter between drinking water connection and hose set.

The water supply should be connected only by a competent plumber according to the local regulations of the appropriate water supply company.

A cold water connection is necessary for operating the ice maker. The water pressure must be between 0.21 MPa (2.07 bar, 30 PSI) and 0.69 MPa (6.89 bar, 100 PSI). The installation must correspond to the local plumbing regulations.

A separate shut-off valve should be installed in the cold-water inflow.

The shut-off valve should not be located behind the appliance. It is recommended that you mount the shut-off valve directly next to the appliance or at another place that is easily accessible. See Figures 15-16.

When installing the water connection, pay attention to the permissible installation area for the water line.

For connection to the drinking water line, use only water pipes that are suitable for drinking water. Observe local regulations and the connection conditions of the local water supply companies.

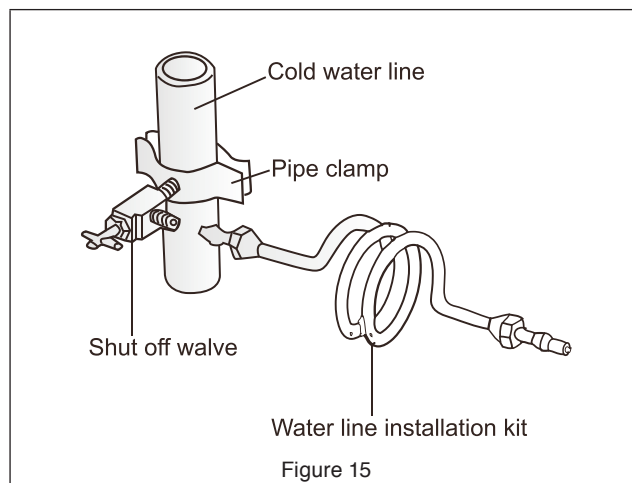


Figure 15

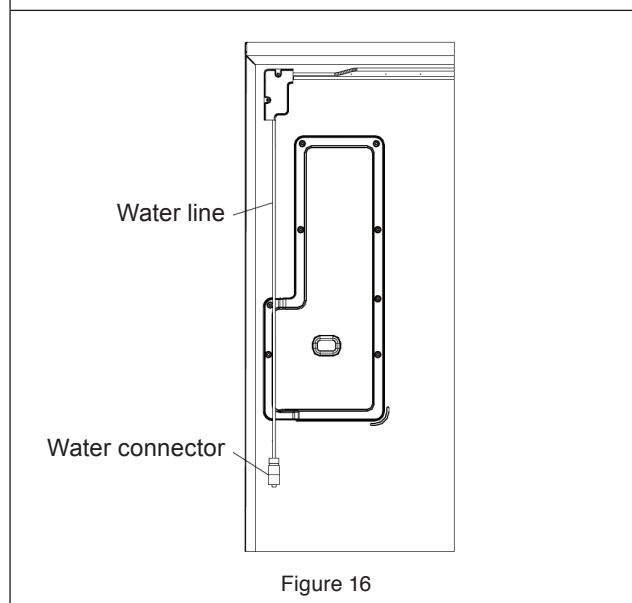


Figure 16

# INSTALLATION INSTRUCTIONS

## CONNECTING THE WATER LINE

Water line installation kits are available as an additional accessory from your dealer or at a local hardware store.

1. Shut off the main water supply line.
2. Install a shut-off valve and water line 1/4" x 1/4" compression thread (UNS 7/16-24), accessible with product in place. Refer to local code and instructions with water line installation kit (not included).
3. Connect the newly installed water supply line (B) to the refrigerator water inlet connector (A), tighten using tool. See Figure 17.
4. Gently tug on the water supply line to ensure a proper fit and risk of damage when pulling or pushing the unit for cleaning.
5. Turn main water back on and check for leaks.
6. After connecting the water line, please flush one gallon of water through the filter before drinking or using the water from your refrigerator. (Flush approximately 5 minutes.) To flush, press a large glass or cup against the water dispenser lever. Fill the glass, then empty it. Repeat until you dispense about one gallon of water.

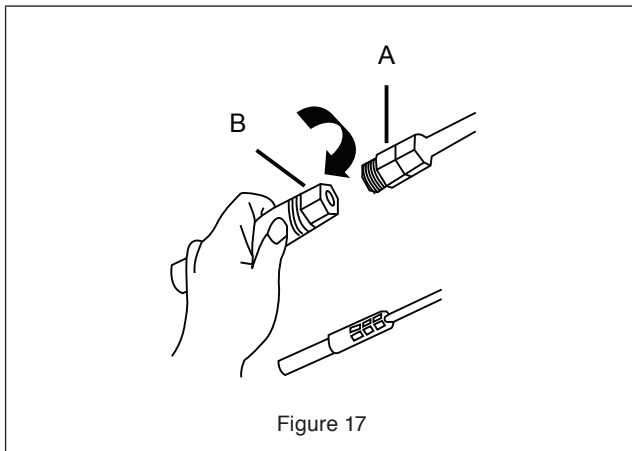


Figure 17

## INSTALLING DOOR HANDLES

Precautions shall be taken to prevent handle falling off and causing any personal injury.

### LIST OF TOOLS TO BE PROVIDED BY THE USER

Phillips screwdriver



Allen wrench



## INSTALLATION PROCEDURES

1. Take out bolt ① from accessory bag, then use Phillips screwdriver to secure the bolt ① into the bolt hole ② of refrigerator doors. See Figure 18.
2. Attach the handle of the door through the bolt hole ① and make sure that the handle makes contact to the door surface closely. See Figure 18.

3. Attach the handle by rotating the handle screw ③ clockwise until it stops to the end, gently shake the handle to ensure it has been attached securely.
4. Put the screw hole cap ④ on the handle screw hole to complete this installation.

Note: the screw hole cap is not removable once applied.

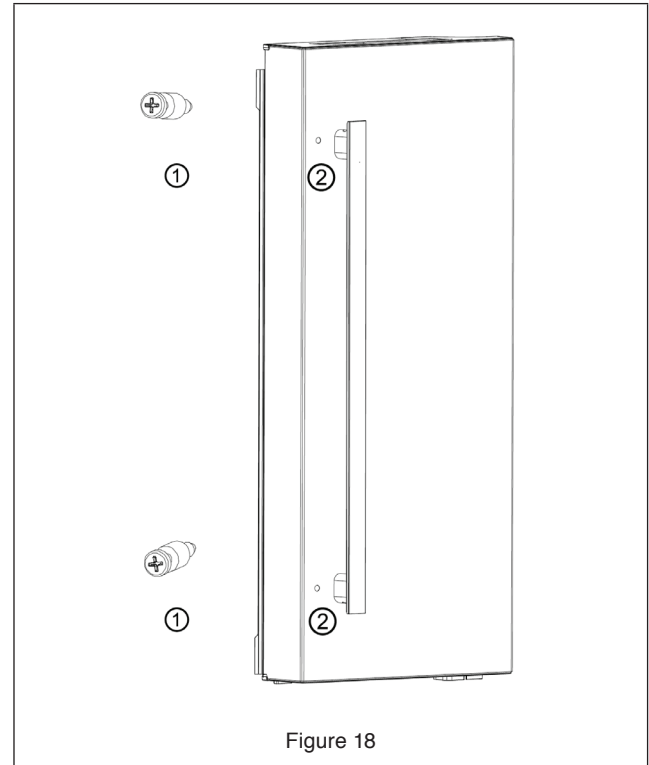


Figure 18

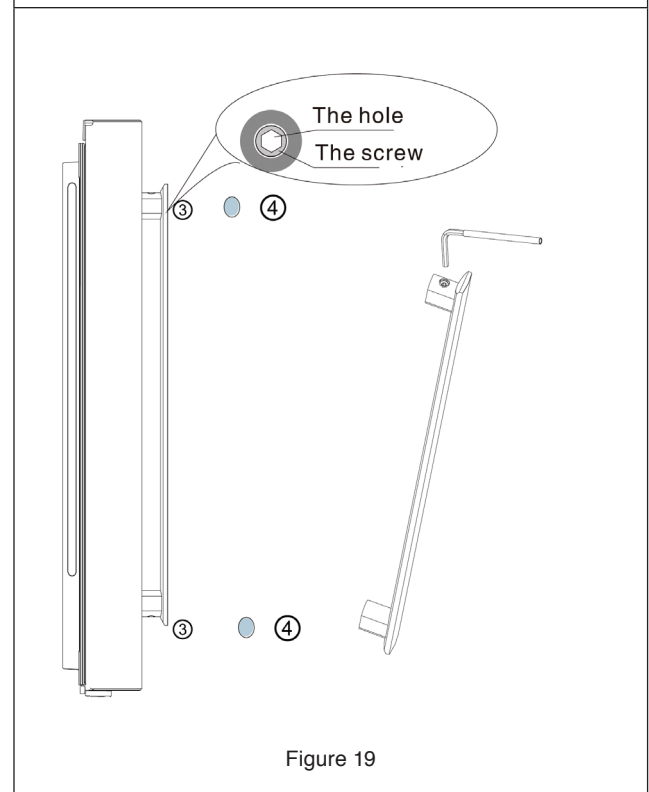


Figure 19

# INSTALLATION INSTRUCTIONS

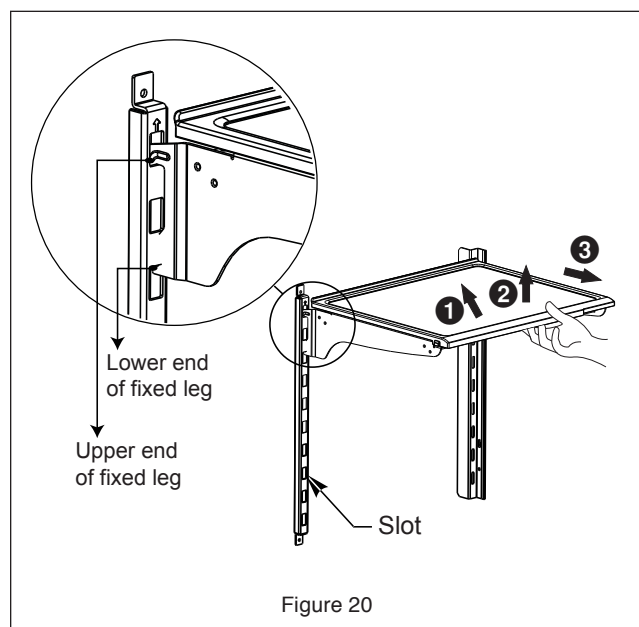
Notes:

- |             |                  |
|-------------|------------------|
| ① Bolt      | ③ Handle screw   |
| ② Bolt hole | ④ Screw hole cap |

## ADJUSTING THE SHELVES

The cantilever rack could be adjusted to the proper height as required by food.

- To adjust the cantilever rack please follow the arrows as shown in Figure 20.
- Raise it upward first and then take it out by tilting it upward.
- During installation, put the upper end of the fixed leg into one of the upper slots on the supporting iron first and then put the lower end of the fixed leg into the third slot on the lower part of the supporting iron.



## BEFORE USING THE REFRIGERATOR

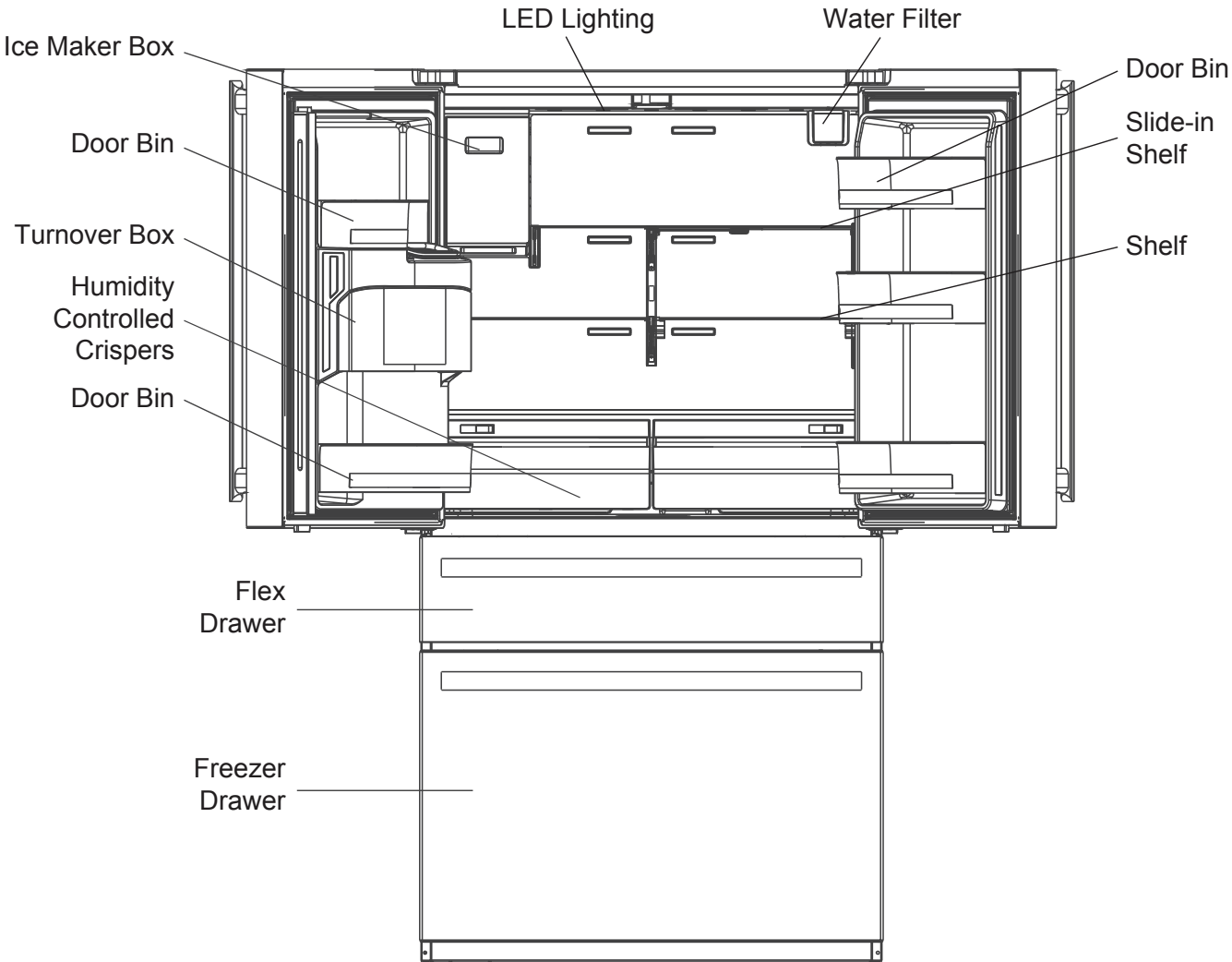
- Before use, remove all packing materials, including bottom cushions, foam pads and tape inside of the refrigerator; tear off the protective film on the doors and the refrigerator body.
- Before turning the refrigerator on, keep the refrigerator still for 2 hours before connecting it to power supply.

- Before putting any fresh or frozen foods, the refrigerator should have run for 2-3 hours or for about 4 hours in summer when the ambient temperature is high.

## ENERGY SAVING TIPS

- The appliance should be located in the coolest area of the room, away from heat producing appliances or heating ducts, and out of the direct sunlight.
- Let hot foods cool down to the room temperature before placing in the appliance. Overloading the appliance forces the compressor to run longer. Foods that freeze too slowly may lose quality or spoil.
- Be sure to wrap foods properly and wipe containers dry before placing them in the appliance. This cuts down on frost build-up inside the appliance.
- Appliance storage bin should not be lined with aluminum foil, wax paper or paper toweling. Liners interfere with cold air circulation, making the appliance less efficient.
- Organize and label food to reduce door openings and extended searches. Remove as many items as needed at one time, and close the door as soon as possible.

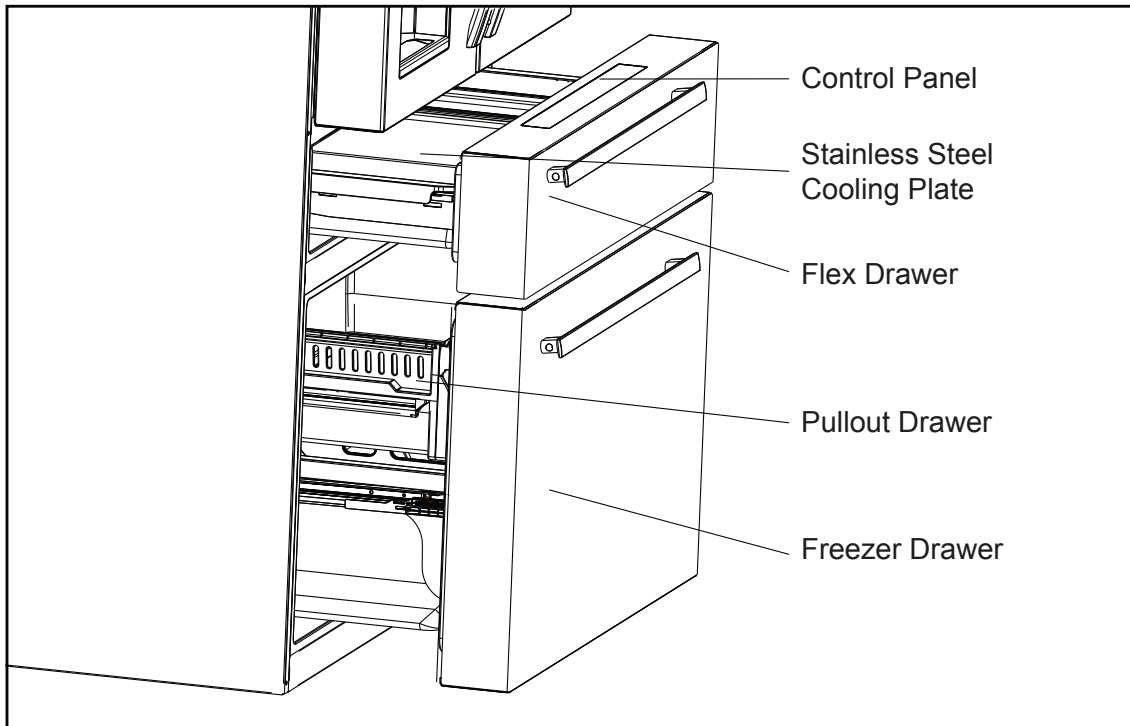
# APPEARANCE OVERVIEW



## Humidity Control for Crispers



# APPEARANCE OVERVIEW



## REFRIGERATOR

- The refrigerator is suitable for storage of a variety of fruits, vegetables, beverages, and other foods consumed in the short term.
- Cooked foods should not be put in the refrigerator until cooled down to the room temperature.
- Foods are recommended to be sealed in appropriate containers before placing inside the refrigerator.
- The glass shelves can be adjusted up or down for a desired storage space and ease of use.
- To optimize the humidity control of the crisper drawers, slide the selector to the left for fruit (Low) and to the right for vegetables (High). The fruit or vegetable icon will indicate which setting has been selected.

## FREEZER DRAWER

- The freezer drawer may keep food fresh for a long time and is primarily used to store frozen foods.
- The freezer drawer is suitable for storage of meat, fish, frozen entrées and intended for foods that will not be consumed in the short term.
- It is recommended to divide large cuts of meat into smaller portions for easier defrosting.

To prevent spoilage and food-borne illness, consume all foods before expiration date.

Note: Storage of too much food during operation after the initial connection to power may adversely affect the freezing performance of the appliance. Food stored should not block the air outlet or otherwise the freezing performance will also be adversely affected.

## FLEX DRAWER

- The Flex Drawer temperature setting can be selected among  $-1^{\circ}\text{C}/30^{\circ}\text{F}$ ,  $1^{\circ}\text{C}/34^{\circ}\text{F}$ ,  $3^{\circ}\text{C}/37^{\circ}\text{F}$  and  $5^{\circ}\text{C}/41^{\circ}\text{F}$ , and the appropriate mode can be selected according to the needs of different foods as below:
  - MEAT mode is set at  $-1^{\circ}\text{C}/30^{\circ}\text{F}$ , suitable for meat.
  - BEV. mode is set at  $1^{\circ}\text{C}/34^{\circ}\text{F}$ , suitable for drinks.
  - DELI mode is set at  $3^{\circ}\text{C}/37^{\circ}\text{F}$ , suitable for cooked food.
  - WINE mode is set at  $5^{\circ}\text{C}/41^{\circ}\text{F}$ , suitable for wine.

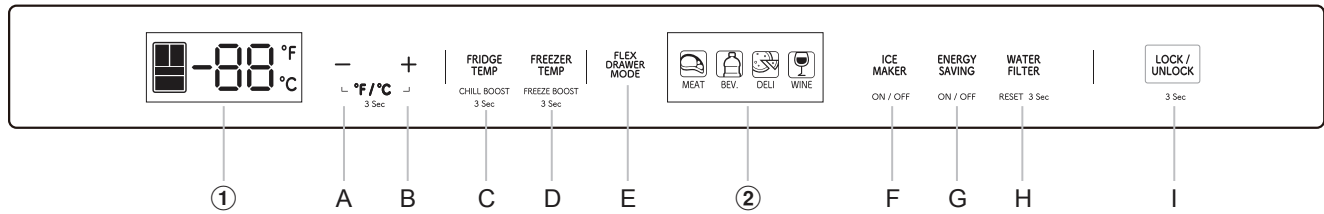
## STAINLESS STEEL COOLING PLATE

As stainless steel conduction is fast and uniform, the food on the cooling plate can achieve rapid and even refrigeration.

The water vapor will adhere to the cooling plate to form a water mist, which will help keep the food moist and prevent it from drying out.



# CONTROL AND DISPLAY PANEL



## DISPLAY SCREEN

- ① Temperature Zone Display
- ② Flex Drawer Preset Temperature Modes

## OPERATION KEY

- A. Temperature Decrease
- B. Temperature Increase
- C. Refrigerator Temperature/Chill Boost
- D. Freezer Temperature/Freeze Boost
- E. Flex Drawer Mode
- F. Ice Maker On/Off
- G. Energy Saving
- H. Water Filter Reset
- I. Lock/Unlock

## DISPLAY

### Main display control (display control on drawer door)

When the power is connected for the first time, the icons will be illuminated and the start-up chime will sound, and then the display will enter normal operation. (When the appliance is powered on for the first time, the temperature of refrigerator, freezer and Flex Drawer is set at 39°F/0°F/37°F respectively.) Under normal conditions, if no doors are opened and no keys are pressed for 30 seconds, the display will be locked, and the display will turn off after 30 seconds; If any key is pressed when the display is off, the display screen will illuminate and show the current status.

### Ice/Water Dispenser display and control

When the refrigerator is powered on for the first time, the dispenser display and control will be fully displayed for 3 seconds and then enter normal operation display (water dispensing function is the default option when the refrigerator is powered on for the first time).

# OPERATING REFRIGERATOR

## LOCK/UNLOCK

To unlock the display panel keys, press the LOCK/UNLOCK key and hold for 3 seconds until an audible chime sounds indicating the appliance controls are unlocked. To lock the display panel, press the LOCK/UNLOCK key and hold for 3 seconds.

## TEMPERATURE MODE

To change the temperature default mode to Celsius or Fahrenheit, press the "+" and "-" keys simultaneously and hold for 3 seconds.

## WATER/ICE MAKER DISPENSER SELECTION

Touch the key to select desired mode; the indicator light will illuminate.

Note: Water dispenses immediately after lever is pressed and ice (cubed and crushed) dispenses 3 seconds after lever is pressed.

## TEMPERATURE SETTING

### REFRIGERATOR

Press FRIDGE key to control the refrigerating temperature and then press the "-" and "+" temperature control keys to adjust the temperature of the refrigerator. When the "-" key is pressed once the temperature will drop by 1°C/1°F. After reaching 1°C/34°F, the temperature display will go back to 7°C/44°F. When the "+" key is pressed once the temperature will rise by 1°C/1°F. After reaching 7°C/44°F, the temperature display will go down to 1°C/34°F. The temperature setting will take effect after locking.

### FLEX DRAWER

Press FLEX DRAWER MODE key to select one of the four preset temperature modes. Upon every press, the temperature mode switches from MEAT (-1°C/30°F) to BEV (1°C/34°F) to DELI (3°C/37°F) to WINE (5°C/41°F) and a corresponding temperature is indicated at the Temperature Zone display. The settings will take effect after locking.

### FREEZER DRAWER

Press FREEZER key to select the freezer drawer temperature, and then press the "-" and "+" temperature control keys to adjust the temperature of the freezer drawer. When the "-" key is pressed once the temperature will drop by 1°C/1°F. After reaching -22°C/-7°F, the temperature display goes back to -14°C/7°F. The "+" key is pressed once the temperature will rise by 1°C/1°F. After reaching -14°C/7°F, the temperature display goes down to -22°C/-7°F. The setting will take effect after locking.

## ICE MAKER ON/OFF

When the ice maker is turned on, the ICE MAKER ON/OFF light will illuminate; when the ice maker turned off, the ICE MAKER ON/OFF light will turn off after 3 seconds delay.

Press the ICE MAKER key to turn on the backlight and the ice maker; press the ICE MAKER key again to turn off the backlight and the ice maker. It will take effect after locking.

**Note:** When the ICE MAKER is on, the ice maker will release ice into the ice making chamber even if the ice storage box is removed.

## BOOST MODE SETTINGS

### CHILL BOOST

Press and hold the FRIDGE TEMP key for 3 seconds to enter the CHILL BOOST mode, until the icon of the refrigerator turns blue. The CHILL BOOST mode will take effect after being locked. When CHILL BOOST mode is activated, the refrigerator temperature is automatically set at 1°C/34°F. When the CHILL BOOST mode is deactivated, the refrigerator temperature automatically returns to the temperature set before the CHILL BOOST mode was activated.

### FREEZE BOOST

Press and hold the FREEZER TEMP key to enter the FREEZE BOOST mode, and the icon of the freezer drawer turns blue. The FREEZE BOOST mode will take effect after being locked; the freezer temperature is automatically set at -22°C/-7°F. When the FREEZE BOOST mode is deactivated, the freezer temperature automatically returns to the temperature set before the FREEZE BOOST mode was activated.

## DOOR OPEN ALARM

If any door is opened for more than 2 minutes, an alarm chime will sound. Close the door or press any key to turn off the alarm chime (whether in locked or unlocked mode).

## ECO MODE

Press ENERGY SAVING key to enter the ECO mode, and the backlight will illuminate; the FREEZE BOOST mode is automatically cancelled. The freezer temperature is adjusted to -14°C/7°F and the refrigerator temperature to 7°C/44°F. Press the ENERGY SAVING key again to exit the ECO mode, the backlight will turn off, and the temperature of freezer and refrigerator will return to the temperature set before entering the ECO mode. The mode will take effect after locking.

## ICE/WATER DISPENSER

The ice/water dispenser is located on the outside of refrigerator door. You may select cubed ice, crushed ice or cold water. The dispenser only works when the refrigerator door is closed.

### FOR COLD WATER

1. Press the WATER key until the indicator light turns on. See Figure 21.
2. Gently press a glass or cup against the lever until water is dispensed. To end, release the lever. See Figure 22.

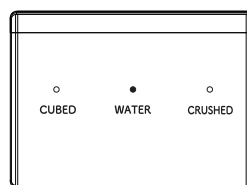


Figure 21

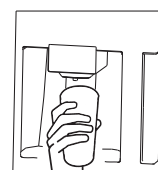


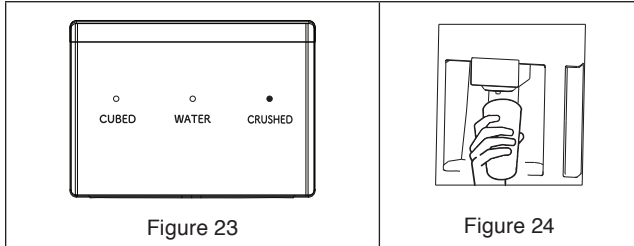
Figure 22

# OPERATING REFRIGERATOR

## FOR CRUSHED ICE

1. Press the CRUSHED key until the indicator light turns on. See Figure 23.
2. Gently press a glass or cup against the lever until crushed ice is dispensed. To end, release the lever. See Figure 24.

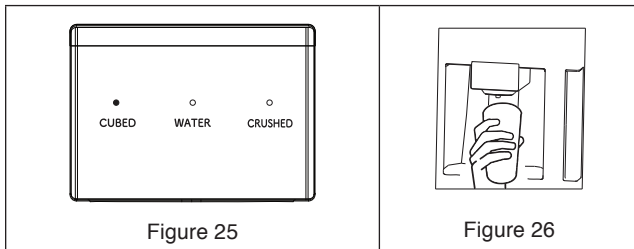
NOTE: Align the top of the glass or cup with the opening of the dispenser to prevent ice from spilling over the glass or cup and onto the floor.



## FOR CUBED ICE

1. Press the CUBED key until the indicator light turns on. See Figure 25.
2. Gently press a glass or cup against the lever until cubed ice is dispensed. To end, release the lever. See Figure 26.

NOTE: Align the top of the glass or cup with the opening of the dispenser to prevent ice from spilling over the glass or cup and onto the floor.



## ERROR CODE

When there is an error, the digital temperature display zone will display an error code in locked mode. When it detects multiple errors, those error codes are displayed cyclically and an alarm chime will sound. Press any key to turn off the alarm chime (whether in locked or unlocked mode). After repairing the issue, the error code will disappear on the digital display zone.

| CODE | NAME  |
|------|---|
| EH   | Humidity sensor failure   |
| F5   | Ice maker fails to release ice  |
| F4   | The sensor of the ice maker fails                                       |
| CC   | Ice maker defrost sensor failure  |
| C9   | The sensor in the ice maker chamber fails.                              |
| CA   | The communication between main control board and ice making board fails |
| F6   | The initialization of the ice maker fails                               |
| E1   | Refrigerator temperature sensor failure                                 |
| E2   | Freezer temperature sensor failure                                      |
| E3   | Flex drawer sensor failure  |
| E4   | Refrigerator frost sensor failure                                       |
| E5   | Freezer frost sensor failure  |
| E6   | The communication between display board and main control board fails    |
| E7   | Ambient temperature sensor fails  |

# CARE AND CLEANING

## OVERALL CLEANING

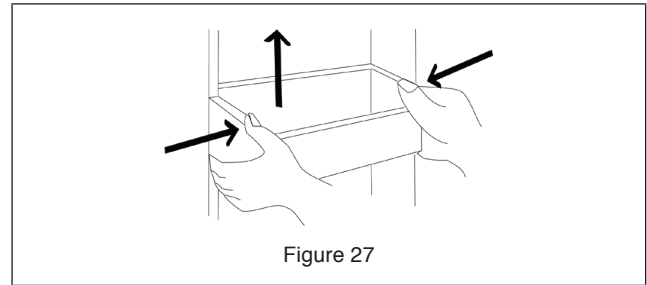
- Regularly clean the dust and debris behind the refrigerator appliance and the floor to improve cooling performance and energy savings.
- Check the door gasket regularly to make sure there is no debris. Clean the door gasket with a soft cloth dampened with soapy water or diluted detergent.
- The interior of the refrigerator should be cleaned regularly to avoid odor.
- Please unplug the power supply before cleaning interior, remove all foods, drinks, shelves, drawers, etc.
- Use a soft cloth or sponge to clean the inside of the refrigerator, with two tablespoons of baking soda and a quart of warm water. Then rinse with water and wipe clean. After cleaning, open the door and let it air dry before applying power supply.
- For areas that are difficult to clean in the refrigerator (such as narrow spaces, gaps or corners), it is recommended to wipe them regularly with a soft rag, soft brush, etc. and when necessary, combined with some auxiliary tools (such as thin sticks) to ensure no contaminants or bacterial accumulation are in these areas.
- Do not use soap, detergent, scrub powder, spray cleaner, etc., as these may cause odors in the interior of the refrigerator or contaminate food.
- Clean the bottle frame, shelves and drawers with a soft cloth dampened with soapy water or diluted detergent. Dry with a soft cloth or air dry.
- Wipe the outer surface of the refrigerator with a soft cloth dampened with soapy water, detergent, etc., and then wipe dry.
- Do not use hard brushes, clean steel balls, wire brushes, abrasives (such as toothpastes), organic solvents (such as alcohol, acetone, banana oil, etc.), boiling water, acid or alkaline items, which may damage the refrigerator interior. Boiling water and organic solvents such as benzene may deform or damage plastic parts.
- Do not rinse directly with water or other liquids during cleaning to avoid short circuits or damage to electrical insulation after immersion.

### **▲ DANGER**

Please unplug the refrigerator for defrost and cleaning.

## CLEANING OF DOOR BINS

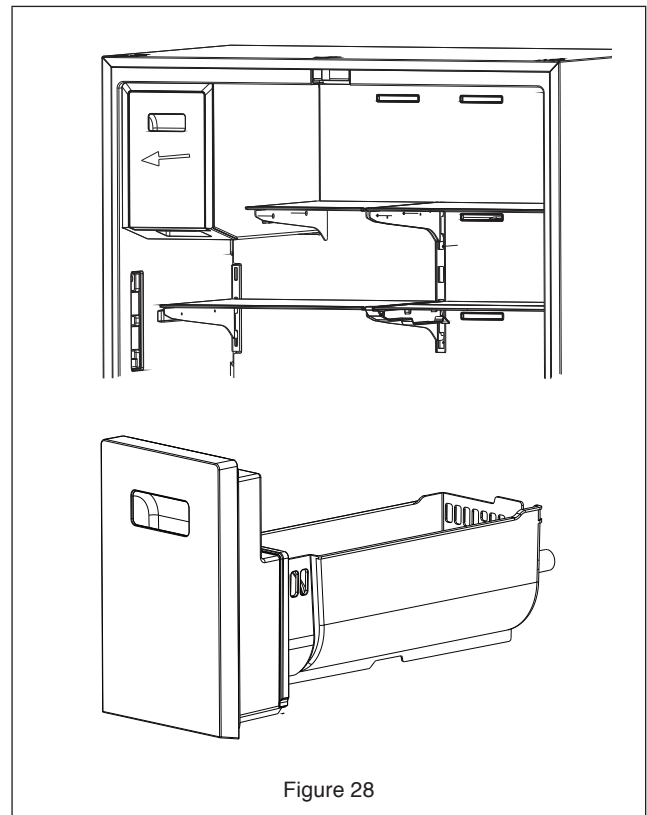
- Use both hands to hold and squeeze the bin, push it upward then remove. See Figure 27.



- After washing the bin, reinstall and adjust height as needed.

## CLEANING OF ICE MAKER BOX

- Hold the ice storage box, press downward, and pull horizontally. When you need to use a lot of ice, or need to clean the ice storage box, you can remove the ice storage box. Be sure to replace the ice storage box before ice maker is turned on. See Figure 28.



# CARE AND CLEANING

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## DEFROSTING

The refrigerator is designed based on the air-cooling principle and thus has an automatic defrosting function. Frost formed due to change of season or temperature may also be manually removed by disconnecting the appliance from power supply or by wiping with a dry towel.

## REPLACING THE WATER FILTER

The water filter must be replaced every 6 months or if a noticeable reduction in the water flow occurs. When the filter is used for more than 6 months and the WATER FILTER backlight flashes, then press WATER-FILTER key for 3 seconds to reset the alarm and re-time it. The buzzer rings for 3 times at the same time. For the replacement water filter (part# SJWF200), please call 1-800-BE-SHARP.

## CHANGING THE LIGHT

Any replacement or maintenance of the LED lamps is intended to be made by the manufacturer, its service agent or similar qualified person.

## OUT OF OPERATION

- Power failure: In case of power failure, foods inside the appliance can be kept for several hours; during the power failure, the times of door opening should be reduced and no more fresh food should be put into the appliance.
- Not use for extended time: The appliance should be unplugged and then cleaned; the doors should be left open to prevent odor.
- Moving: Before the refrigerator is moved, remove all items from inside the appliance, secure the glass partitions, vegetable holder, all drawers, etc. with tape and tighten the leveling feet; close the doors and secure them with tape. During moving, the appliance should not be laid upside down, horizontally or vibrated; the inclination during movement should be no more than 45°.

# TROUBLESHOOTING

Before calling for service, the following information may help determine potential cause of appliance concern. Please contact your local dealer or 1-800-BE-SHARP for further assistance.

|  |  |
|--|--|
| Appliance has no power                         | <ul style="list-style-type: none"> <li>• Confirm the appliance is connected to a power source and securely plugged into electrical outlet.</li> <li>• Confirm electrical outlet has power, if not, check circuit breaker box for tripped circuit.</li> </ul>   |
| Odor from refrigerator or freezer compartments | <ul style="list-style-type: none"> <li>• Foods not securely sealed in containers.</li> <li>• Spoiled foods inside appliance.</li> <li>• Appliance has not been properly cleaned, i.e., food and dirt have accumulated inside the unit.</li> </ul>  |
| Excessive compressor operation                 | <ul style="list-style-type: none"> <li>• Long operation of the refrigerator is normal in summer when the ambient temperature is high.</li> <li>• Too many food items have been placed inside the appliance, increasing energy demand.</li> <li>• Foods not properly cooled before placing inside appliance.</li> <li>• The doors are opened too frequently.</li> </ul>   |
| Light does not come on                         | <ul style="list-style-type: none"> <li>• Confirm appliance is connected to power supply and that the light is not damaged.</li> <li>• Have the light replaced by a qualified service technician.</li> </ul>  |
| Doors do not close properly                    | <ul style="list-style-type: none"> <li>• Food is obstructing the door operation.</li> <li>• The refrigerator is not level.</li> </ul>  |
| Rattling noise                                 | <ul style="list-style-type: none"> <li>• Confirm floor and refrigerator are level and appliance is not tilted.</li> <li>• Confirm water filter is securely installed.</li> </ul>   |
| Door does not seal properly                    | <ul style="list-style-type: none"> <li>• Confirm door seals are clean and free of obstruction.</li> </ul>  |
| Water pan overflows                            | <ul style="list-style-type: none"> <li>• There is too much food in the freezer or food stored contains too much water, resulting in heavy defrosting.</li> <li>• The doors are not closed properly, resulting in frosting due to entry of air and increased water due to defrosting.</li> </ul>  |
| Hot housing                                    | <ul style="list-style-type: none"> <li>• Heat dissipation of the built-in condenser via housing, which is normal.</li> <li>• When housing becomes hot due to high ambient temperature and storage of too much food, it is recommended to provide proper ventilation to facilitate heat dissipation.</li> </ul>   |
| Surface condensation                           | <ul style="list-style-type: none"> <li>• Condensation on the exterior surface and door seals of the refrigerator is normal when the ambient humidity is too high. Remove the condensation with a clean towel.</li> </ul>   |
| Abnormal Noise                                 | <ul style="list-style-type: none"> <li>• Buzz: The compressor may produce buzzing sound during operation and the buzzing is loud particularly upon start or stop. This is normal.</li> <li>• Creak: Refrigerant flowing inside of the appliance may produce creak, which is normal.</li> </ul>   |
| Ice maker does not make ice                    | <ul style="list-style-type: none"> <li>• After you install the water line and start the refrigerator, it takes 12 hours to start ice making.</li> <li>• Please turn on the ice making function (see page 17 instructions).</li> <li>• Check whether the water pressure meets 30-100 psi and whether the water line is connected properly.</li> <li>• Check whether the water supply valve is open and whether the water pipe has a restriction.</li> <li>• Check whether the ice storage box is installed properly.</li> </ul> |

# TROUBLESHOOTING

|                                      |  |
|--------------------------------------|--|
| Ice dispenser does not work          | <ul style="list-style-type: none"> <li>• Confirm there is ice in the ice storage box.</li> <li>• If ice dispenser has not been used for an extended period of time, ice will melt and stick together. Turn off ice maker, empty ice storage box and replace. Turn on ice maker.</li> <li>• Confirm the water supply line is connected properly, the water supply valve is opened, and the water pipe has no restriction.</li> <li>• The ice dispenser can only be used when the refrigerator door is closed.</li> <li>• Confirm the ice storage box is installed.</li> </ul> |
| Water dispenser does not work        | <ul style="list-style-type: none"> <li>• Confirm water supply line is connected properly, the water supply valve is opened and the water pipe has no restriction.</li> <li>• Confirm the water filter is installed in place.</li> </ul>  |
| Water dispenser is too slow          | <ul style="list-style-type: none"> <li>• Confirm the water pressure is 30-100 psi.</li> <li>• Replace the water filter.</li> </ul>   |
| Water drips from the water dispenser | <ul style="list-style-type: none"> <li>• It is normal that a few drops of water may drip from the water dispenser. However, if water keeps dripping, please check the connection of the water line.</li> </ul>   |
| The water tastes bad                 | <ul style="list-style-type: none"> <li>• If the refrigerator is not used for more than 4 days, drain at least 1 gallon of water.</li> <li>• Replace the water filter and follow proper guidelines for filter replacement schedule.</li> </ul>  |







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