

Haier

Model HRF-669FF/A HRF-669FF/ASS
HRF-689FF/A HRF-689FF/ASS
Household Electrical Refrigerator

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* S M S O 4 0 1 *

- * Please read this operation manual carefully before using the appliance.
- * Keep this manual in a safe place.
- * Appearance, color and layout of the door may vary.

After-sales service

Dispenser blockage

* Defrost stuck on the auger due to operation interruption, temperature variation or high voltage. Empty, clean and dry the cubed ice tray before replacing it to the dispenser.

* Cubed ice blockage between ice maker and cubed ice tray. Remove the cubed ices.

* Cubed ices get stuck. Operate the dispenser regularly.

* Foreign cubed ices are used in the dispenser. Only cubed ices produced by this icemaker can be used for the dispenser.

Dispenser does not supply water.

* Water supply valve is not turned on. Turn of the water supply valve.

* Refrigerator or freezer compartment door is not closed. Close all the doors of the appliance.

Warranty



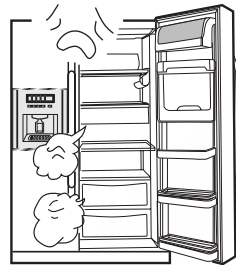
1. Warranty Certificate: If consultation or technical assistance is needed, please provide the local authorized service agent with the Warranty Certificate and the purchase invoice.
2. The one-year free maintenance shall be provided for operation of the appliance and three-year free maintenance shall be provided for main accessories and parts of the appliance (started from the date of the purchase)

Troubleshooting

Please determine the cause of the problem before making any repair.

Prolonged operation period of the compressor

- * Initial operation.
- * Large quantity of food loaded.
- * Door not properly closed
- * Frequent opening of the refrigerator door.
- * Hot weather
- * Improper setting of thermostat (see the section "Operation")



Thick frost formation on food

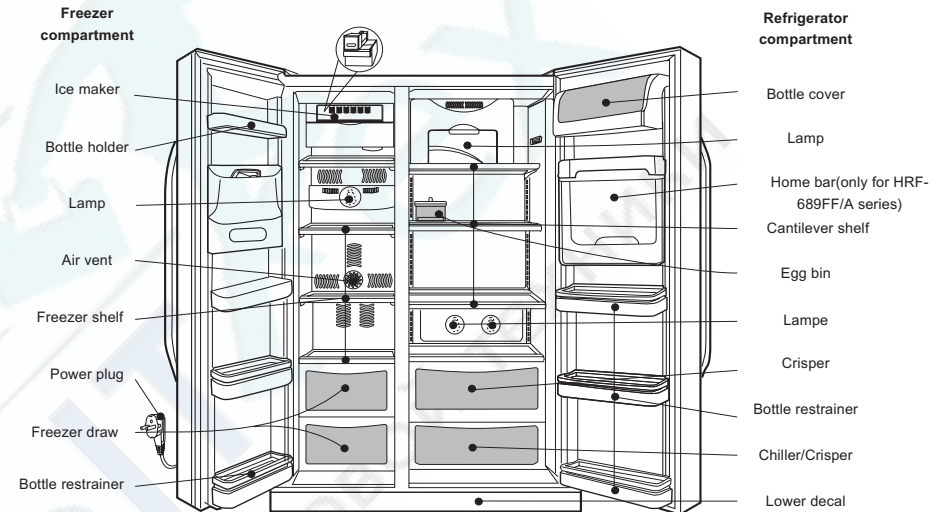
- * Seal of the food.
- * Door improperly closed.
- * Frequent opening of the refrigerator door.
- * Food close to air vent.

Strange odor

- * Failure to seal food properly
- * Rotting food inside refrigerator
- * Failure of regular cleaning of the refrigerator



Diagram of parts



Dear customer,

Thank you for your purchasing Haier product.

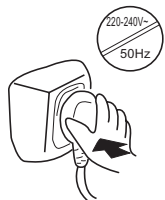
Please read this manual carefully before using the electrical appliance that you have just purchased. Haier after-sales service is always available by contacting the nearest Haier service at the telephone number and address provided on the Warranty Certificate.

Note: Layout of the refrigerator that you have just purchased may vary due to technical improvement of this company.

Safety precautions

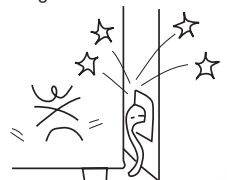
Safety precautions

This refrigerator requires a 220-240V supply. Failure in operation and damage to the control panel, thermostat or the compressor will occur if voltage is outside the range 187-242V unless a regulator with a capacity of over 750W or higher is installed.



Care for external cable

- * Hold the plug, not the electric cable, when unplugging the refrigerator.
- * Ensure that the electric cable is not trapped by the refrigerator. Do not step on the cable.
- * Avoid damage to the electric cable when moving the refrigerator.



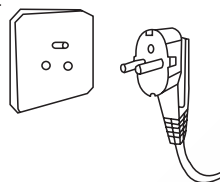
Inflammable gas leakage in the vicinity of the refrigerator

- * Turn off any leaking valve;
- * Open the doors and windows;
- * Do not, under any circumstances, unplug electrical appliances in the vicinity of the leak.



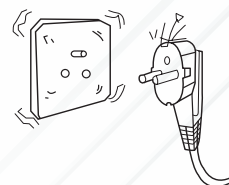
A separate earthed socket is required.

The refrigerator is supplied with a standard three-pin plug, of which the one for grounding should never be removed. Plug of installed refrigerator shall be always accessible, ensuring that the plug is tightly inserted into the socket, or fire may be caused.



Damaged electric cable

When the electrical cable is damaged or worn, turn off the refrigerator and consult to an authorized service agent for replacement.



Unplug the refrigerator for the following:

- * Cleaning or maintenance;
- * Replacement of lamp.



Troubleshooting

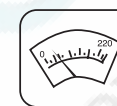
In the event that the refrigerator does not work properly, please check out and solve problems according to the following methods. If problems persist, contact the after-sales service center. Information of model, accessory list and serial number of the refrigerator is required. (see the type plate of the refrigerator)

Please determine the cause of the problem before making any repair.

The refrigerator does not operate.



Disconnection to the power supply (plug, socket or fuse); Switch is off.



Voltage is low.



Automatic defrosting is activated. (Compressor ceases operation for 30 minutes)

Lamp does not illuminate.



The bulb is bad.

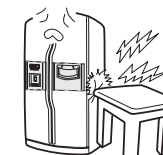


Power supply is not connected.

Excessive noise



Uneven placement.



Contact between the refrigerator and a wall or other article.

Set temperature not reached.



Door is not properly closed, or the door is opened for long period;



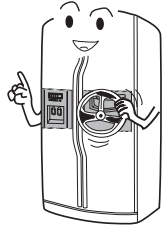
Refrigerator is in direct sunlight, or close to a heat source;



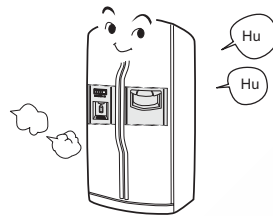
The area is poorly ventilated, or the two sides of the refrigerator are covered by too much dust.

Troubleshooting

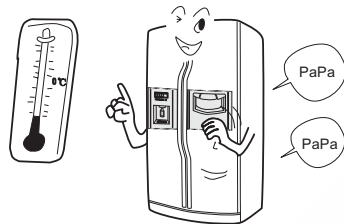
The compressor will operate for comparatively longer periods if excessive quantity of food is stored or the ambient temperature is high.



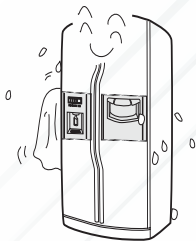
The fan of an operating refrigerator may produce a slight sound.



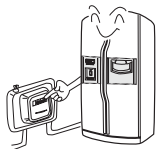
The evaporator and piping system of the refrigerator may produce a slight sound when the refrigerator operates due to ambient temperature changes.



Water droplets may occur on outer surfaces and middle connection of the refrigerator due to heavy moisture in room air. Wipe clean with soft cloth.



Energy efficiency specified in the technical parameters complies with government standards and is measured under the following conditions: ambient temperature 25°C, refrigerator compartment temperature 5°C, freezer compartment temperature -18°C and 24h continuous operation with doors closed. Actual power consumption may exceed this value if more food is stored, ambient temperature higher and the door more frequently opened.



When super freezing function is activated by pressing the super freezing button, the compressor may produce some noise due to accelerated rotation speed of the compressor.

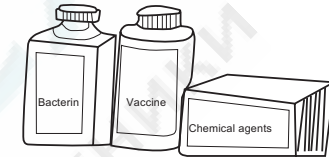


Safety precautions

Never store inflammable, explosive or corrosive materials in the refrigerator.



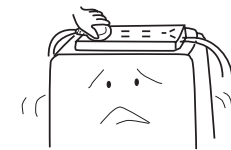
This refrigerator should be used for food storage. It is not recommended to place microbiological or chemical materials, which have special requirement in temperature setting.



Do not install the refrigerator near gasoline or other inflammable articles.



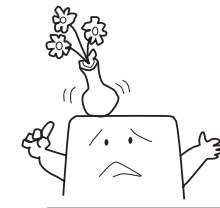
Don't place electrical plugs, regulators or microwaves on top of the refrigerator. Don't use electric appliances (Except those allowed by manufacturer) inside the refrigerator.



Do not swing on or apply excessive pressure to the refrigerator door.



Don't place heavy or unstable articles or water containers on top of the refrigerator.



Safety precautions

Avoid prolonged contact with the food in the freezer compartment when the refrigerator is operational, especially with wet hands. Hands may freeze onto the surface of the frozen food.



Do not spray or splash the refrigerator when cleaning the refrigerator, nor place the refrigerator in a damp area.



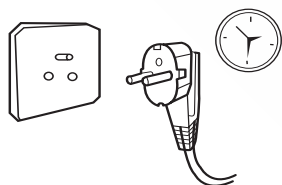
Disassembly, renovation or cooling system maintenance of refrigerator must be authorized.



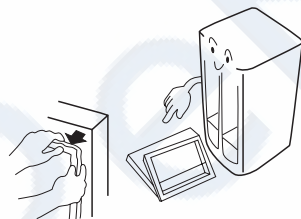
Never store bottled beer or beverages in the freezer compartment.



Unplug the refrigerator in the event of a power interruption or during cleaning. Allow at least 5 minutes lapse before restarting the refrigerator.



Remove the refrigerator door, gasket, food shelves if the refrigerator is discarded to prevent accidental entrapment in the refrigerator.

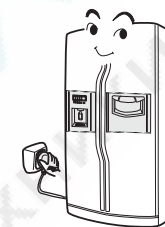


Troubleshooting

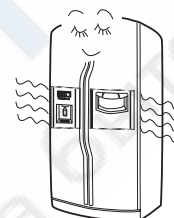
Temperature of the refrigerator and the compressor will rise and the compressor will run for comparatively longer periods when the refrigerator is first started.



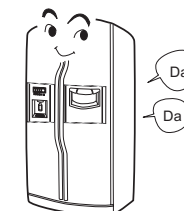
A slight sound may be heard when the appliance is first started due to the operation of the compressor and motor. The sound will be lower and lower gradually a short period later.



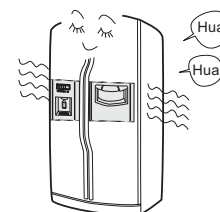
When the refrigerator is first operated, the case may become warm. This is designed to prevent condensates.



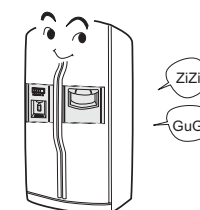
The compressor may produce a slight sound during operation, or when it is started or stopped.



Liquid refrigerant flowing in the evaporator may produce a slight sound similar to that of flowing water. When the refrigerator is stopped, the backflow refrigerant may also generate that sound.



During defrosting process, a slight sound may be generated. This sound is resulted by defrosted water dropping to the heater and by the evaporator.



Cessation

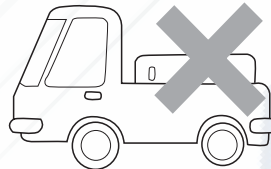
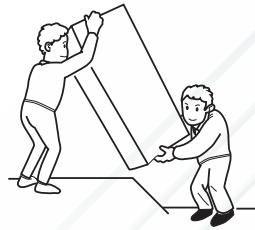
During Vacations

- * Remove vulnerable food from the refrigerator if vacation is short, activate the fuzzy control and make sure that the door of the refrigerator is properly closed.
- * If the vacation is long, take out the food from the refrigerator and disconnect the power. Wait until the frost inside melts, clean and dry the compartment. Leave the door open to prevent formation of bad odor.



Moving the refrigerator

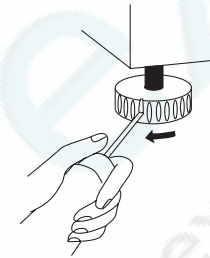
- * Unplug the refrigerator.
- * Remove all the food.
- * Secure the shelves in the refrigerator compartment, crisper and freezer compartment shelves with tape.
- * Tightly close and tape the door of the refrigerator.
- * Do not tilt the refrigerator more than 45 degrees.



Caution: Never place the refrigerator horizontally.

Location

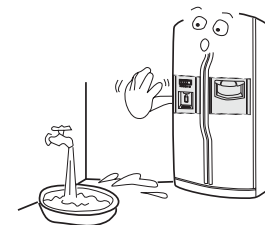
The refrigerator should be placed on a flat and solid surface. If the refrigerator is placed on a plinth, flat, strong and fire-resistant materials must be used. The foot of the refrigerator can be adjusted clockwise or anti-clockwise to lift or lower the refrigerator if it is placed on an uneven surface.



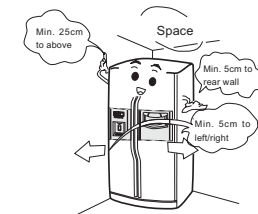
The refrigerator shall be placed away from heat sources or direct sunlight.



Never place the refrigerator near to a water source. Clean and dry any water splashes and stains with soft cloth.



The refrigerator should be placed in a well-ventilated area with a minimum gap of 25cm from the top to the ceiling and 5cm from any side to the wall.



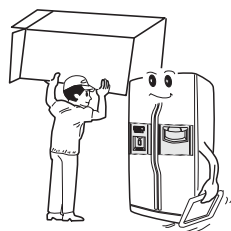
Never place the refrigerator in an area with an ambient temperature below 5°C. Never operate the refrigerator outdoors or in rain.



Preparation

① Unpacking

Remove all packing materials. (Caution: Remove the lower decal of the door before dismantling the pedestal.)



② Check attached accessories and materials.

Check if all accessories specified in the Packing List are available. Contact the local distributor if shortage is found.



③ Ensure that the refrigerator is properly located.

(Refer to section "Location")

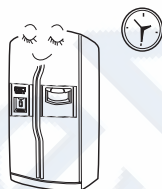


④ Clean the refrigerator before using.

(Refer to section "Cleaning")

⑤ Ensure that the lower decal is properly installed and water tubes are connected as regulated.

⑥ Connect the refrigerator to power source at least 6 hours after the refrigerator is sited and cleaned.



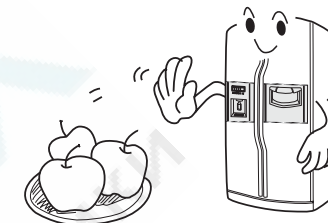
Caution: After unpacking, write down the model and manufacture number of the refrigerator on the Warranty Certificate which will be required if technical services are applied for.

Cessation

Power interruption

Even in summer, food can be stored in the refrigerator for a few hours after a power interruption.

- * Don't put additional food into the refrigerator during a power interruption and try to open the door as less frequently as possible.
- * If prior notice of a power interruption is given, make some ice and put it in a container in the top of the refrigeration compartment.
- * If power supply is interrupted for 12 or more hours, remove the cubed ices in the cubed ice tray to a freezer drawer to prevent defrosted water spillage and to maintain the cold temperature in the freezer compartment.



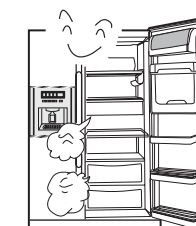
Caution: Temperature in the refrigerator will rise as for a power interruption or technical problem, and the storage period will be reduced.

Ceased operation

If the refrigerator is to be ceased for an extended period, unplug the refrigerator and clean the refrigerator as previously described.

Keep the door of refrigerator open when the power is turned off to prevent any food remaining in the compartment from producing bad odors.

Turn off the valve between the appliance and water supply resource, and get rid of all the cubed ices from the cubed ice tray.



Caution: It is recommended that the refrigerator be not turned off unless it is necessary.

Caution: Do not restart the refrigerator until a period of at least five minutes has elapsed.

Defrosting and cleaning

Defrosting

Defrosting is performed automatically.

Defrosted water will flow into a evaporating recipient on the compressor where the defrosted water will evaporate in the heat and circulating air.

Cleaning

The refrigerator should be cleaned regularly to prevent the formation of bad odors.

* Disconnect the power before cleaning the refrigerator.

* Clean the refrigerator with a soft cloth or sponge with mild detergent.



Caution: Do not use a hard brush, steel brush, detergent, gasoline or other solvents, hot water, acid or alkali for cleaning.

* Dry water droplets on surfaces of the refrigerator with a piece of cloth.



Caution: Do not use excessive amounts of water for cleaning the refrigerator. Use a dry cloth to clean the switch and the lamp.

* Always keep the door gasket clean



Operation

① Connection of power supply

When appliance is connected to power supply, the intelligent operation and CRUSHED ICE modes are activated automatically with display of actual refrigerating and freezing temperatures. The appliance is equipped with a memory system, which can ensure that latest operation mode is resumed when power is supplied after an interruption.

② Setting of operation mode

Suggestion!

Regardless of irrespective fluctuations in ambient temperature, selection of the fuzzy control will guarantee the most efficient and energy-saving operation of the refrigerator.

Either of the following operation modes can be selected.

Fuzzy control: If there is no special requirement, the fuzzy control is recommended. Press the fuzzy control button, the fuzzy control indicator will illuminate and the refrigerator is then operated automatically. (See section "Functions").

Manual adjustment mode: Press the temperature setting button to set the temperature. (See section "Functions")

③ Loading the freezer with food

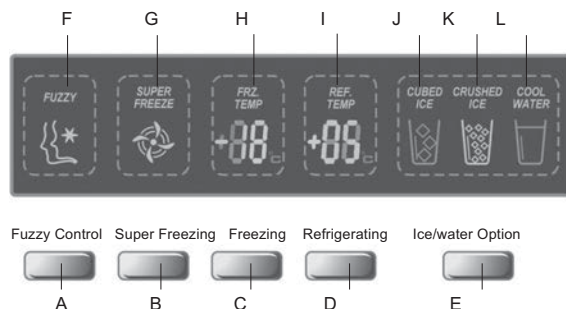
Wait some time lapse before loading the refrigerator with food when desired temperature value is achieved.



Caution: Some time will be required for the refrigerator to reach the set level after temperature is reset. The length of this period is determined by difference in the existing and set temperatures, the ambient temperature, the frequency with which the door is opened and closed and the amount of food in storage.

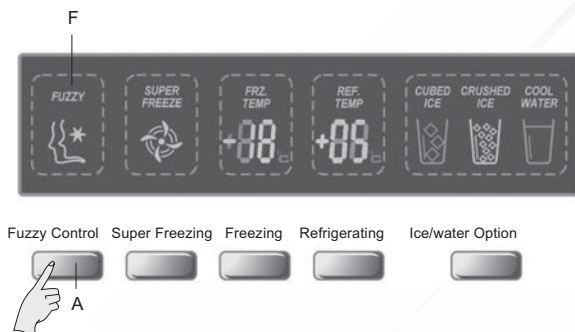
Functions

① Control panel



- | | |
|--|--|
| A. Fuzzy control setting | G. Super freezing indicator |
| B. Super freezing selection | H. Freezing temperature indicator |
| C. Freezer temperature adjustment | I. Refrigerating temperature indicator |
| D. Refrigerator temperature adjustment | J. Cubed ice indicator |
| E. Ice/water option | K. Crushed ice indicator |
| F. Fuzzy control indicator | L. Cool water indicator |

② Fuzzy control



The appliance can automatically adjust internal temperature according to ambient temperature. Pressing button A can activate the fuzzy control, while indicator F illuminates. Press button A again to deactivate the fuzzy control and indicator F extinguishes.

③ Defect display

When defect occurs with the control and operation functions of the appliance, refrigerating and freezing temperatures will not be displayed but the icon of defect. Contact after sales service for technical assistance.

Precautions for dispenser operation

Precautions

- * Do not use excessively deep or narrow glasses.
- * Hold the glass properly close to the supplier to avoid dropping of cubed ices and cubed ice supply blockage.
- * 5 seconds later after ice or water is supplied, the supplier will close with a slight phutt sound produced.
- * Hold the glass still for another 2 or 3 seconds after releasing the switch lever as remaining cubed ices may be supplied.
- * Regularly clean and dry the water tray of the dispenser.
- * Some crushed ice is likely supplied if cubed ice supply mode is set after crushed ice supply.
- * Remove remaining crushed ice at the ice supplier to avoid blockage.
- * Do not place beverage cans or food in the cubed ice tray to avoid damages to the icemaker.
- * Do not touch the ice supplier nor dismount the icemaker cover to avoid accidental injury.
- * First loads of water (7 glasses) and cubed ices (20 pieces) are not potable after the appliance is operated for the first time or an extended period of vacation.
- * Do not place foreign cubed ices in the cubed ice tray to avoid failure of ice crushing or ice supply.
- * Inefficient water supply may result in smaller cubed ices. Excessive water supply may cause larger cubed ices, water spillage to cubed ice tray or stuck cubed ices. Adjust water supply faucet or contact professional agent for repair.

Caution: The motor valve and relay may produce some phutt sound when cubed ice is supplied.

Crushed ice and cool water supply

When crushed ice is supplied

- * Sometimes crushed ice is supplied after cubed ice supply mode is set when cubed ices are delivered to the auger.
- * The door of ice bin may get frosted. When some crushed ice is supplied, the frost will evaporate.
- * Hold the glass to the dispenser as closely as possible to avoid spillage of crushed ice.

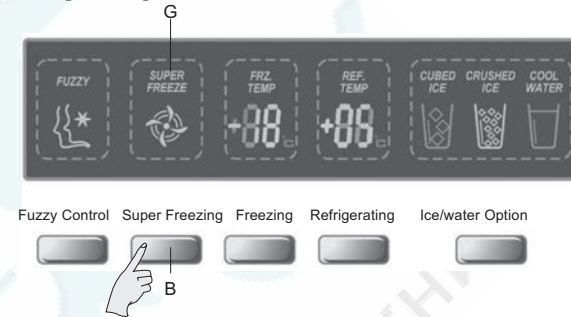
When cool water is supplied

- * Cool water is not available immediately after the appliance is installed due to some air in water tubes. Press cool water supply button of the dispenser and wait for at least 2 minutes before the remaining air is completely dispelled by the water.
- * Supplied water will become colder and colder gradually.
- * Cool water does not contain cubed ices. Crushed ice or cubed ices can be added to cool water if colder cool water is desired.

Caution: Accidental access of any foreign article into the dispenser should be avoided.

Functions

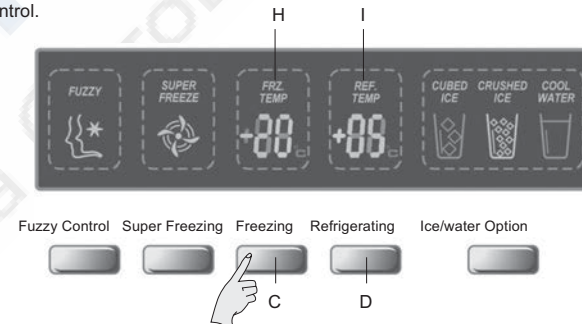
④ Super freezing setting



Super freezing function is designed to preserve the nutritional value of food as the food will freeze completely in the shortest period possible. Press button B to activate the super freezing mode while icon G illuminates. 4 hours later, the super freezing mode is deactivated automatically with icon G disappears from the display. The super freezing mode can be manually stopped by pressing button B.

⑤ Temperature setting and adjusting

When appliance is connected to power supply for the first time, the intelligent operation and crushed ice supply are activated automatically. Pressing the fuzzy control button will result in deactivation of fuzzy control.



Freezing temperature setting: Press button C, icon H blinks. Every press of button C will result in decrease of the freezing temperature by 1°C between -16°C and -24°C. If button C is pressed when -24°C is reached, the cycle will start from -16°C.

Refrigerating temperature setting: Press button D, icon I blinks. Every press of button D will result in decrease of the refrigerating temperature by 1°C between 2°C and 10°C. If button D is pressed when 10°C is reached, the cycle will start from 2°C.

Cubed ice/water option: Press button E for option of cubed ice, crushed cubed ice or cool water supply. When desired supply is set, an indicator will illuminate.

⑥ Door controlled warning

If the appliance door is opened or ajar for an extended period, interrupted beeps will be generated.

Refrigerator compartment

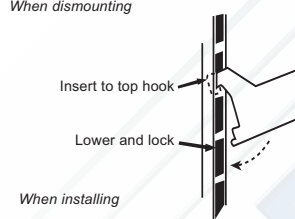
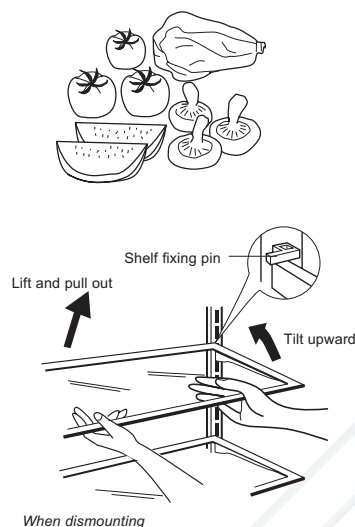
The refrigerator is for short-term food storage of daily consumption.

Although the temperature in most areas in the refrigeration compartment can be regulated between 2°C and 10°C, extended periods of food storage is not recommended. Refrigerator should only be used for short-term storage.

Adjustable cantilever shelves

Cantilever food shelves can be adjusted to accommodate food in different sizes.

When adjusting height of food shelves, remove the shelf. Dismount the shelf pin, tilt the shelf, then pull to remove it. When installing the shelf, ensure that the inner side of the shelf is settled to the groove. Lower the outer side of the shelf to the position in the groove.



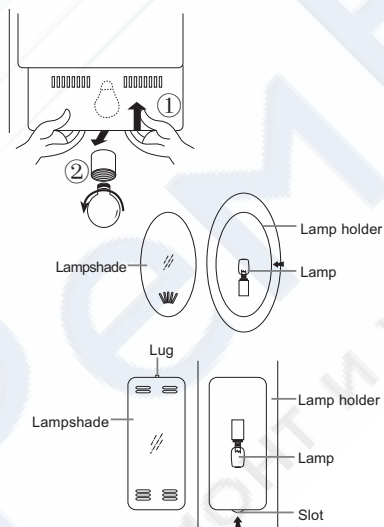
Replacing the lower lamp in refrigerator compartment

Lamp: 220-240V~/25W

Lamp holder: E14 (lamps exceeding 25W must not be used)

When replacing the lamp,

- * Unplug the appliance.
- * Hold up ① and pull out ② the lampshade.
- * Rotate the lamp anticlockwise until the lamp is released. A lamp with the same specifications should be used for replacement.
- * Install back the lampshade.



Replacing the upper lamp in refrigerator compartment

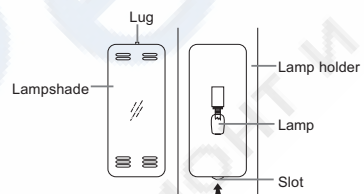
Lamp: 220-240V~/25W

Lamp holder: E27 (HRF-689FF/A series)
E14(HRF-669FF/A series)

Lamp exceedly 25w must not be used

When replacing the lamp,

- * Unplug the appliance.
- * Unscrew the lampshade.
- * Hold up ① and pull out ② the lampshade.
- * Rotate the lamp anticlockwise until the lamp is released. A lamp with the same specifications should be used for replacement.
- * Install back the lampshade.

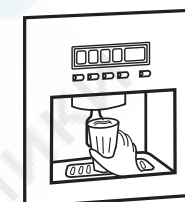


Dispenser operation

Opt for crushed ice, cool water or cubed ice supply. Press Ice/Water button with the glass as shown in the figure.

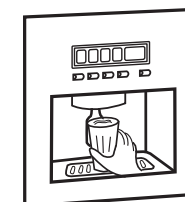
(1) Crushed ice supply

- * Press desired option button, the crushed ice indicator illuminates.
- * Slightly push the switch lever and crushed ice will be supplied.



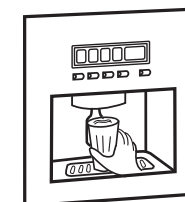
(2) Cubed ice supply

- * Press desired option button, the cubed ice indicator illuminates.
- * Slightly push the switch lever and cubed ices will be supplied.



(3) Cool water supply

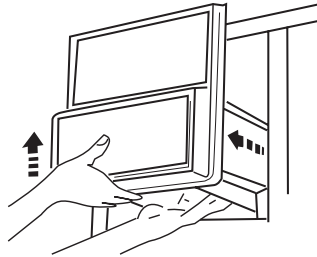
- * Press desired option button, the cool water indicator illuminates.
- * Slightly push the switch lever and cubed ices will be supplied.



Dismounting and installing the cubed ice tray

Dismounting the cubed ice tray

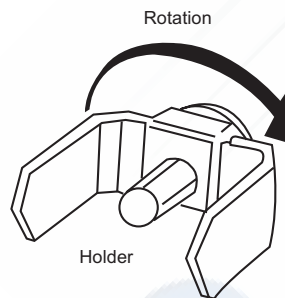
Pinch the cubed ice tray at the center and remove it from the shelf.



Replacing the cubed ice tray

Slide the cubed ice tray to the grooves by the two sides of inner liner until the clips fit to position.

If the cubed ice tray cannot fit the position properly, remove the cubed ice tray and turn the holder structure by 90°, then replace the cubed ice tray again until the clips fit to position.

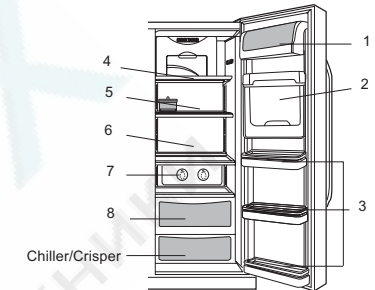


Refrigerator compartment

Storage areas

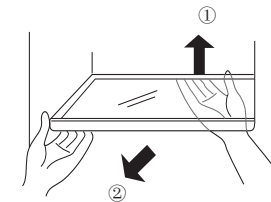
As cold air circulates inside the refrigerator, temperature differences exist inside the storage compartments. Area 6 is the coldest. Different foods should be placed in different areas according to their properties.

1. Butter, cheese and canned food
 2. Canned beverage and beer
 3. Beverages and bottled food
 4. Pickled food or canned pickled food
 5. Meat and snacks
 6. Wheaten food, canned food, milk and bean curd
 7. Cooked meat and sausages
 8. Fruit, vegetables and salad
- Chiller compartment: Butter, fish and sliced meat
Crisper: Fruit, vegetable and salad



Dismounting the crisper cover

Lift ① the shelf by the inner side and then move ② the shelf out of the compartment.



Option of chiller and crisper compartment

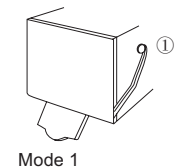
With lower temperature than that in the crisper, the chiller compartment is used for short period storage of meat.

The air vent opened at the rear side of the food container on the bottom in the refrigerator compartment can be adjusted for two operation modes as shown in the figure.

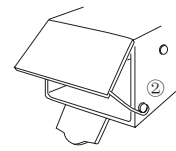
Mode 1 (handle at position ①) for crisper.

Mode 2 (handle at position ②) for chiller compartment.

When switching the modes, remove the container from the refrigerator compartment and manually adjust the handle (as shown in the figure) for desired mode.



Mode 1



Mode 2

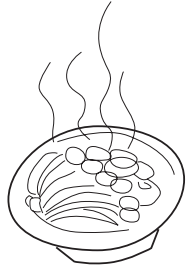
Caution: Ensure that a correct mode has been set before loading the food.

Vegetables and fruits will freeze if mode 2 is set.

Note: HRF-669FF/A series no chiller compartment exit

Precautions

Hot food must be cooled to room temperature before storing in the refrigerator.



Dry any water droplets on the food before placing it in the refrigerator.



Food to be stored should be properly sealed.
This will prevent moisture in the food from evaporating and prevent vegetables and fruit from tainting in flavor.

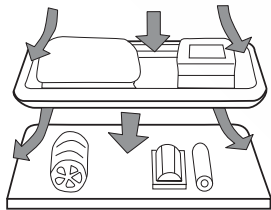


Storage of sorted food
Food to be stored should be sorted according to consumer requirements. Food consumed daily should be placed in the most convenient area, this will minimize opening periods for the door.



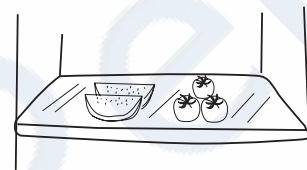
Do not store excess quantities or weights of food

Food should be stored with spaces in between for better storage results.



Do not place food too close to the internal walls

Food with high moisture content should not be placed close to the walls of the inner liner. Maintain a space to prevent food from freezing onto the walls.



Operation of icemaker

④ **Set the icemaker hand to position "O"(upper) when any of the following events occurs.**

- * Water supply is interrupted for hours.
- * Cubed ice tray is removed for an extended period.
- * Turn off the valve between water resource and the appliance before a vacation.

⑤ **If this is your first icemaker,**

Some strange sound may be heard in the process of ice making.

⑥ **If cubed ices are stored for an extended period**

Cubed ices stored for an extended period may become opaque or generate strange odor. Cubed ice tray should be cleaned regularly with warm water. The cubed ice tray should be cooled down and air dried before replaced to avoid sticking of cubed ices to the tray.

⑦ **Extended cessation of cubed ice tray in winters**

If the cubed ice tray is not used for an extended period in winters, remove all the cubed ices from the tray and wash the tray clean with warm water. Wipe the tray with a towel before replacing it to the appliance, and then turn off the valve between water supply resource and the appliance.

Operation of icemaker

③ Operating principle of icemaker

8 cubed ices are made in every cycle . Capacity of ice making depends on freezer temperature, ambient temperature and appliance door opening frequency. Ensure that the icemaker switch is set to position "O" (upper) before the appliance is connected to water supply, and to position "I" (lower) after the appliance is connected to water supply.

Water will be supplied when the set temperature of the icemaker is reached.

Caution: Allow 24 hours after the appliance is installed before the freezer compartment temperature drops down to the degree for ice making.

First loads of cubed ices are not potable after the appliance is operated for the first time or an extended period of vacation.

To ensure that the cubed ice tray is fully filled, cubed ices dropped down from the icemaker should be manually arranged, or the cubed ices may be unevenly piled up to the icemaker. Before the cubed ice tray is fully filled with water, set the icemaker switch to position "O"(upper) .

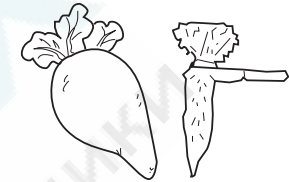
Some of the 8 cubed ices dropped from the icemaker in one cycle may stick to each other.

Suggestions

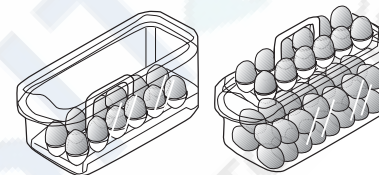
Storage period will be extended if vegetables are placed with their roots towards the cold source.



Leaves of carrots or turnips should be removed before storage.



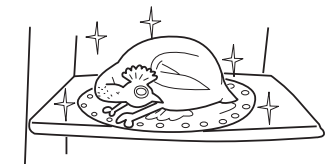
Egg holder can be relocated whenever necessary in the refrigerator.



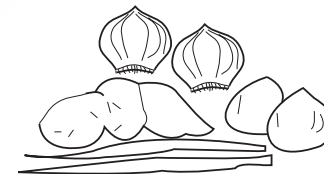
Egg box

Multilayer egg box

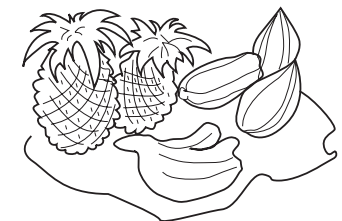
Frozen food can be placed in the cold compartment before serving, as this will conserve energy.



Onions, garlic, ginger, water chestnuts and other root vegetables should not be stored in the refrigerator, as these foods are suitable for long-term storage at normal temperatures.



Ripe squash, melon, pawpaw, bananas and pineapples should not be stored in the refrigerator. Freezing will accelerate the ripening process.



Caution: Do not use the egg bin for cubed ice storage, and never place the egg bin in the freezer or chiller compartment to avoid cracks of the egg bin.

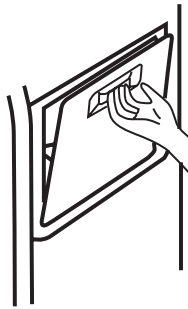
Home bar(only for HRF-689FF/A series)

① Operation

Hold the handle and pull slightly.

For the sake of energy efficiency and convenience, home bar is operational without opening the refrigerator door.

When the door of the home bar is opened, the light in the refrigerator compartment will illuminate.



② Home bar is designed for storage of instant food and beverages.



Operation of icemaker and cold water supplier

* Never install the icemaker water tube in an area with a temperature below 0°C to avoid freezing of the water tube.

* In the installation process, electrical tools must be properly insulated or wired to avoid electric hazards.

* Turn on the valve to flush the water tube for leak test of water tube joints. Turn off the valve when the water becomes clear.

* Set the icemaker hand to position "I". The icemaker will start operation when internal temperature reaches or is below -13°C. When the appliance is used for the first time, the ice maker may undertake two cycles for ice making and some water may be discharged into the cubed ice tray. This is not maloperation. First loads of cubed ices are not potable.

* After the appliance is located, ensure that the water tube is properly arranged to avoid indents or damages.

* This appliance is installed with an MSEH10 icemaker.

* Installation of the icemaker must be carried out by an authorized agent.

* This icemaker can only be supplied with drinking water.

Operation of icemaker and cold water supplier

① Before using the ice maker and cold water supplier

- * Water supply tube installation
- * Pressure of the cold water supplied to the automatic ice maker is between 0.15~0.85Mpa.
- * The water tube should be cut with necessary length, free from bend. Suggested maximum length of the water tube is approximately 12 meters. The water tube with excessive length may affect the capacity of ice making due to the loss of water pressure.
- * The water tube should be away from any heat resource.
- * Since the purifier does not function for sterilization of any bacterium, it is strongly recommended that drinking water be used for ice making.
- * The water tubes should be installed and tested by professionals.
- * When the appliance is put into operation for the first time, keep the Cold Water button pressed every one minute to supply cold water into the tank into the refrigerator/freezer compartment until cold water is supplied. Never press the cold water button for an extended period or the water valve may become excessively warm.

② Caution:

Before connecting the appliance with the water supply resource, ensure that the hand of the ice maker is set to position "O".

Home bar (only for HRF-689FF/A series)

③ A cantilever tabletop of the home bar

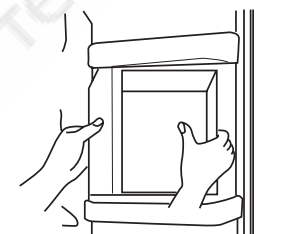
Do not cut food on the tabletop to avoid damages caused by sharp edges.

Do not apply excessive weight on the tabletop.



④ Do not remove inner cover of the home bar.

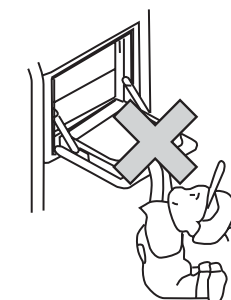
The home bar will cease operation if the inner cover is removed.



⑤ Ensure that the home bar is out of reach of children.

Accidental fault may cause damages to the home bar or injuries to children.

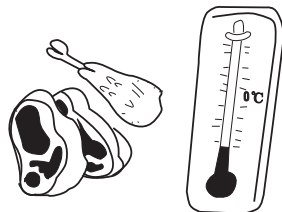
Caution: For the sake of energy efficiency and access convenience, the home bar can be used without opening the door of the refrigerator. Close the door of the home bar immediately to avoid losses of cold temperature in the refrigerator compartment.



Freezer compartment

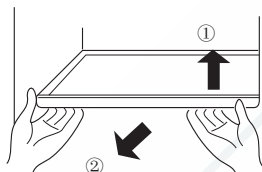
Long-term storage of food

As the freezer storage temperature is very low, fresh food can be stored in the freezer compartment for a long time. Food requiring long-term storage can be stored in the frozen food compartment.



Dismounting the food shelves for cleaning

Lift ① the shelf by holding the outer side, then pull to remove ②.

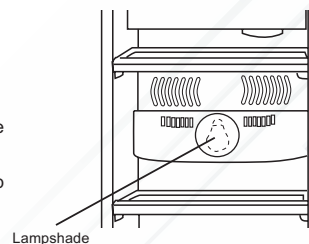


Lamp and its replacement

Lamp: 220-240V, 25W

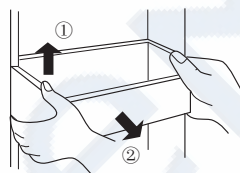
Lamp holder: E27 (lamps exceeding 25W must not be used)

The same sequence as for replacement of the lower lamp in the refrigerator compartment.



Bottle holders can be dismantled for cleaning.

Hold the two sides of the door mounted bottle holder, lift ① and pull ② to remove.



Caution: Frozen food (ice cream) should be stored close to the back wall in the freezer compartment, as the temperature in vicinity with the door is likely change, resulting defrosting of the food.

Precautions

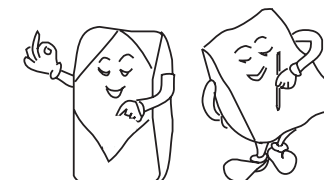
Hot food should not be stored in the refrigerator until it has cooled down to room temperature.

Food cut into small portions will freeze faster and be easier to defrost and cook. The recommended weight for each portion is less than 2.5kg.



The outside of any food packing should be dried before storage in the freezer, and any packing materials should be odor-free, airtight, non-poisonous and nontoxic.

Food should be stored in accordance with any information printed on the packing.



Only remove the required amount of food from the refrigerator. Defrosted food cannot be re-stored in the freezer unless it is first cooked.

Do not load excessive quantity of food. Quantity of the food in storage shall comply with the cooling capacity of the refrigerator (See section "Technical Information").

