

Be sure to keep for safety!

Read this safety instructions thoroughly and carefully before using. Please keep this user guide at hand for future reference.



Indicates the possibility of danger of death or serious injury

CAUTION

Indicates the possibility of risk of personal injury or material damage

Other Signs



DO NOT remove or disassemble!



NO., DO NOT...



Be sure to keep and follow!



Notice If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a simmilary qualified person in order to avoid a hazard.

WARNING



Never let power cord be crushed by refrigerator itself or other (heavy) objects. Never bend power cord excessively.

If cord is damaged or peeled, it can be a cause of fire and electric shock.



Do not plug several appliances into same wall outlet (receptacle).

It can be a cause of overheating and/or fire.
Use an exclusive grounding receptacle for the refrigerator.



Never hold the power cord or plug with wet

There is a risk of electric shock.



Never use damaged power cord or plug, loose receptacle.

There is a risk of fire, electric shock or serious injury.



Be sure to ground. Check if your wall outlet is grounding (earthed) one.

There is a risk of electric shock hazards.



Never unplug by pulling only the power cord wire. Always grip the plug firmly.

WARNING



Let the cord from the plug outlet be directed Downwards.

If it directed up, the cord near the plug is bent and can be damaged, which can cause electric shock or fire.



Do not install refrigerator on a wet floor or in a place with much humidity moisture.

Electric insulation gets weakened, resulting in a risk of electric shock hazards.



Never let the power cord touch or pass over heating appliances.

Power cord can be damaged, resulting in a risk of electric shock hazards.



Check if plug is loose from the wall outlet.

Electric insulation gets weakened, resulting in a risk of electric shock hazards.



Never pour or spray water into the refrigerator (both interior and exterior).

Electric insulation gets weakened, resulting in a risk of electric shock hazards.



Do not place containers with water or liquid on top of refrigerator.

Water can be poured into the refrigerator and can cause electric shock hazards or damage.



Do not let children hang on the refrigerator doors.

Refrigerator can fall and do harm to them.



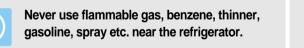
Do not move or remove compartment shelves/pockets while foods and containers are on them.

Hard container (of glass, metal etc.) can fall to hurt you and can break shelf glass and interior parts.



Never repair or disassemble or amend refrigerator on your own

There is a risk of personal injury or damage to the refrigerator. It is recommanded that any service be carried out by a qualified person.



There is a risk of fire, explosion and personal injury or damage.



Never store any flammable gas or liquid in the refrigerator.



If a gas leak found near the refrigerator or in the kitchen, ventilate it immediately without touching power plug or refrigerator.

WARNING



Do not store medicine, academic research samples which require strict temperature control in the refrigerator.



Never insert fingers or hands into the bottom of refrigerator, especially into the bottom back.

You can be hurt by sharp metal edges or can receive an electric shock.



Do not change fuse or light bulb on your own. Call the service agent to change them.



When you find the power cord damaged or cut, call the service agent immediately.



When you get rid of your old refrigerator, be sure to remove the door packings first.

Children can be entrapped and suffocated in an abandoned refrigerator.

Leave it" just a few days! 'is very dangerous.

CAUTION



Be sure to unplug when the refrigerator is not used for a long time.

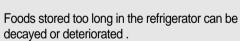


Never touch foods and containers especially of metal with wet hands in the freezer compartment.

You can be hurt by chilblains or cold bum.



Never eat any decayed or deteriorated food at all.





Never place bottles and containers of glass in the freezer compartment.

Glass containers and bottles can be broken so can hurt you.



When moving the refrigerator (layed or tilted), more than 2 persons are required to hold it. (One to hold top back handles, the other, bottom holder.)

If other parts gripped, it is very dangerous and likely to slip.



Be sure to turn up the wheel first before moving the refrigerator.

The wheels can damage or scratch the floor. If you move it a long distance, never forget to fasten the interior parts tightly with tapes.

The parts can shake to break each other.

Installation Guide

Read these safety instructions carefully before use and follow precautions for your safety.



Precautions in installation and power connection

To prevent fire, electric shock or leakage

Never install the refrigerator on a wet, watery floor or where water can easily gather.

Check the following before power connection.

Connect power plug only to a grounding wall receptacle (an earthed mains).

Do not plug refrigerator power together with other appliances to a same receptacle(socket).

Do not use an adapter plug or an extension cord.

Do not let power cord be crushed down by other (heavy) objects.

If you hear strange noise or strong chemical odor or find smog etc. from the refrigerator after

power plugin, pull out the plug immediately and call the service.

Wait about 5 minutes before you plugin again in order to prevent any

damage to the compressor and electrical devices of refrigerator.

Wait 2~3 hours until the inside gets cold enough after first power plugin, then store foods in.

(There can be some peculiar smell of plastic parts at initial operation of refrigerator after plugin.

The smell fades away as refrigerator works and doors are opened and closed.)



Precautions in use

To prevent personal injury, fire, electric shock etc. read this user guide carefully before use and keep it at hand for any reference.

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Accessories





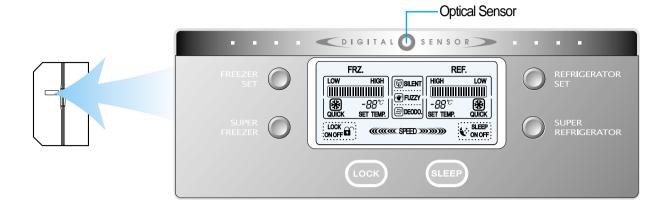


User quide

Egg case

Egg cradle







Optical Sensor in the top center of the panel senses the amount of light surrounding the refrigerator.

When it decides that it is dark (night), Silence Mode starts. Refrigerator works on in minimum operation condition, so it makes little or less working noise.

[Notice] Do not let the Optical Sensor be covered by memo sheet (Post-it) ect.



It shows that the digital control system is working the refrigerator. (The icon is always on while the refrigerator is working.)



As long as the refrigerator is working deodorization is always on.



Children may push any button on the panel for fun, resulting in disorder of temperature and function of refrigerator. Press this button to lock out this case and to keep temperature and function setting.

Push Lock button again for more than a second to stop it.



If you fill the refrigerator with much foods or in case of frequent door openings, Speed Mode starts automatically to maintain optimal condition of temperature.



If you need total silence from the refrigerator just push sleep button.

This made works for maximum 12 hours and

This mode works for maximum 12 hours and then it returns to the previously set mode. When you want to stop the mode, just push the button again and it also returns to the previously set mode



Interior lights of refrigerator turn off when the doors are open for more than 10 minutes.

In case either freezer or refrigerator door is open for more than a minute, door alarm rings for 5 minutes with 1 minute interval.

LCD Background Light

The LCD light turns on in the following case to help you control the panel easily;

When the refrigerator is pluged in

When you push a button (The background light turns on first, then button mode is activated.)

When you open the door

If you push a button when the backlight is off, only the backlight turns on and it does not affect any other button mode.

The LCD light turns off in the following case to save energy consumption;

1 minute after power plug in

10 seconds after the door is closed

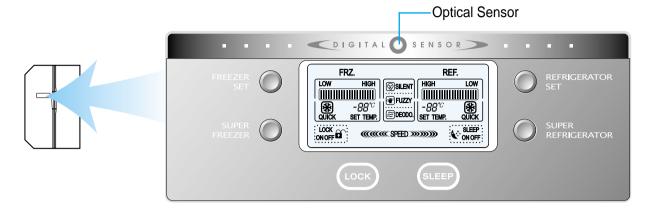
No other button is pushed for more than 1 minute after button selection

When you look at LCD display from side or down, not from front, the display (letters, icons and signs) can look faded or dim.



Temperature Control

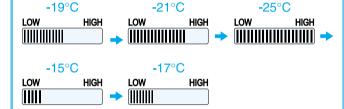
When this refrigerator is first plugged in, the temperature mode is set to [Middle].



Freezer Compartment

Push the FRZ SET. button and the setting temperature changes as the figure shows.

>>> Sequential Temperature Change <<<





When you want faster freezing, push the SUPER FRZ. button, then" QUICK "icon turns on and the mode starts. Just push the button once again when you want to stop the mode.





The inside temperature can varies according to door openings, amount of foods, surrounding temperature etc.

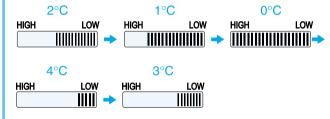
The mode ends automatically and it returns to the previously set mode.

For example) The refrigerator is working on [LOW Mode]. -->
[SUPER FRZ.] starts and ends. -->
Returns to [LOW Mode] again.

Refrigerator Compartment

Push the REF SET. button and the setting temperature changes as the figure shows.

>>> Sequential Temperature Change <<<

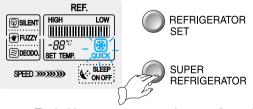




∖Note∖

Faster Cooling or Refrigeration

When you want faster refrigerating, push the SUPER REF. button, then "QUICK "icon turns on and the mode starts. Just push the button once again when you want to stop the mode.



The inside temperature can varies according to door openings, amount of foods, surrounding temperature etc.

The mode ends automatically and it returns to the previously set mode.

For example) The refrigerator is working on [LOW Mode]. --> [SUPER REF.] starts and ends. --> Returns to [LOW Mode] again.

Notice Foods in the refrigerator can be frozen if the ambient temperature of refrigerator is below 5.

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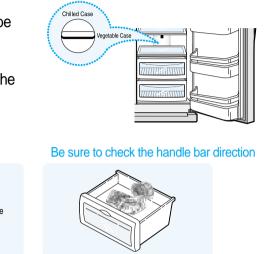
How to use interior parts

For Chilled Case

Vegetable Case & Chilled Case

The first case or drawer of the refrigerator compartment can be used either as a vegetable case or as a chilled case for your convenience.

The temperature in the chilled case is somewhat lower than the vegetable one, so you can keep food more fresh.



If you store vegetables and fruits in the chilled room mode, they can be frozen.

Vegetable Case

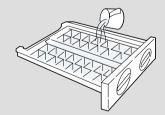
If you store fish in the chilled room mode for a long time, it can deteriorate. Store it in the freezer compartment.

Do not place foods close to the cold air spout, for it can weaken cold air circulation.

Ice Cubes Maker

For Vegetable Case

Pull out ice cubes maker and fill with pure water.



Do not pour water too much, for the ice cubes made get sticky and do not to separate easily.

Keep in mind not to go beyond the water line with an arrow mark when filling with water.

When ice cubes are ready, turn the handle clockwise to separate.



If ice cubes are not to fall easily, turn it to the end several times.

Do not turn the separation handle if the ice cubes are not ready, for they gets sticky on the ice tray and case. Do not use ice cubes case to make big ice block, for it can be broken.
Pull out the case, clean and dry it if not used (for a long time).



Do not touch or hold with wet hands foods (foods container) in the freezer

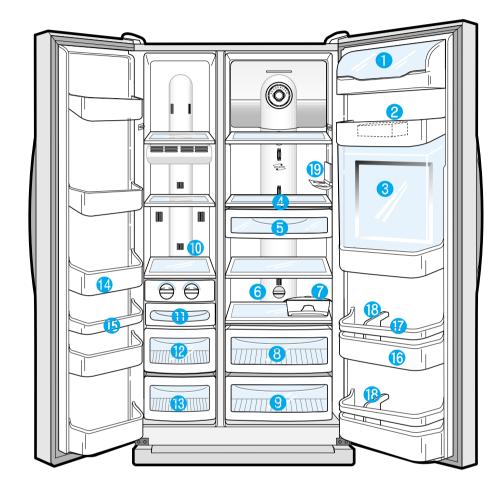
There is a risk of chilblains (cold burn)

Do not store medicine, academic research samples etc. in the refrigerator. Do not store vegetables in the chilled room, for they can be frozen.



Egg case can be placed on a refrigerator shelf as you like.

Interior Parts



Dairy Pocket

Small Pocket

For storing dairy products such as butter and cheese

For storing small packed foods



For storing foods temporarily that is



Refreshment Pocket

For frequently used cans, drink water, beverages

Refrigerator Shelf (tempered glas For storng common foods

Chilled Case

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ready to cook (meat, fish...)



Switch Handle for Chilled Room or Vegetable

Movable Egg Case

Place the case for your convenience.

(Do not use the case for storing ice cubes nor place in the freezer compartment.)

Vegetable Case & Chilled Case

Refer to page 7. Fruit Case

For storing fruits

Freezer Shelf (tempered glass)

For storing frozen foods such as meat, fish, ice-cream...



Ice cubes maker & Ice cubes case

when the ice cubes are ready, turn the handle clockwise to separate. page 7.



□ Drying Case of Freezer

for storing dried foods for so long (dried squid, dried anchovy etc.)

 Meat case of Freezer for storing meat, fish, chicken with foil cover or vinyl wrap



Freezer Pocket

for storing frozen foods

(Do not store ice cream or long stored foods on the top freezer pocket.)

Freezer Small Pocket

for storing small frozen foods

也 Refrigerator Pocket

for storing refrigerating foods, milk, juice, beer bottle etc.

to prevent (tall) foods on the pocket from falling

Bottle Guide

to retain tall bottles from sliding and falling

文 Wine Bottle Support

Food Storage Tips



Wash foods before storing.



Divide and separate foods into smaller pieces as possible.



Place watery foods or foods with much moisture in front of shelves (close to door side). If they are placed close to the cold

air spout, they can be frozen.



Warm or hot foods should be cooled down enough before storing to reduce power consumption and to enhance refrigeration performance.



Be careful in storing such tropical fruit as bananas, pineapples, tomatos, for they can easily be deteriorated in lower temperature.

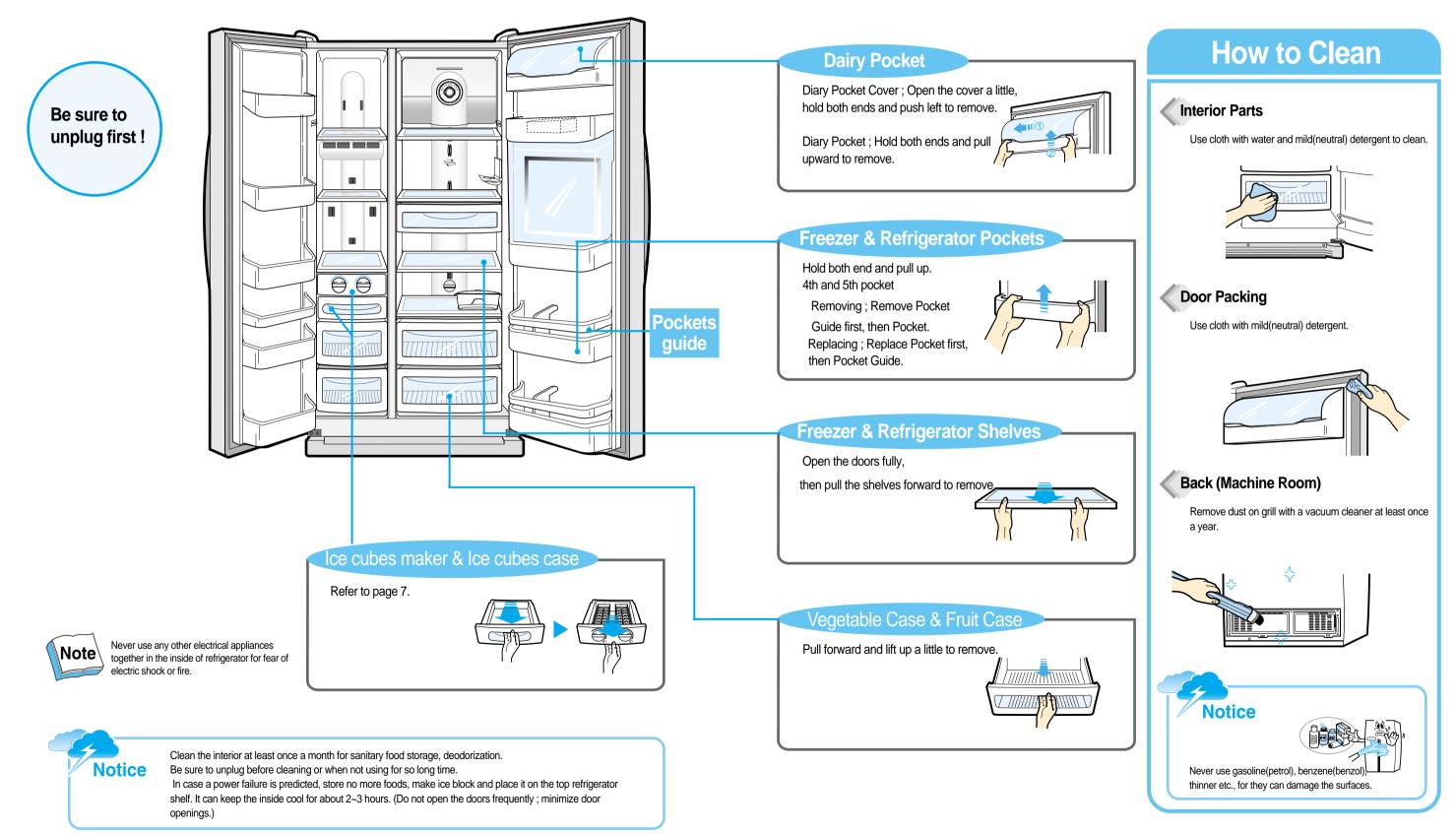


Keep enough space between the foods as possible. If too tight or too close, cold air circulation is hindered, resulting in poor refrigeration.



Never forget to cover or wrap foods to prevent odor of foods.

Care & Cleaning





How To change Interior Light Bulb

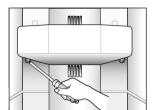
The lamp shall be replaced only by a service agent or similarly qualified person.

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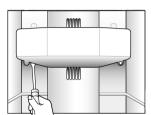
Before You Call for Service...

Please checkup the following troubleshooting tips before you call for service!

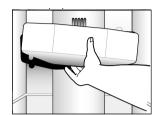
Change of Freezer Lights



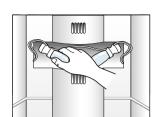
Remove screw caps bottom of light cover with a tiny tip screw driver.



Remove 2 screws of light cover.



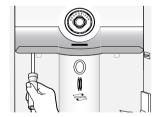
Hold the bottom of light cover and pull forward to remove.



Change the light bulb. Follow the reverse order of disassembing after changing the light

Change of Refrigerator Lights

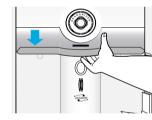
Refrigerator Top Lights



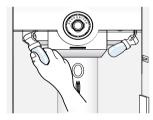
Remove screw caps bottom of light cover with a small tip screw driver.



Remove screws of light cover.

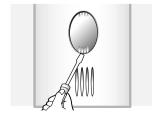


Hold the bottom of cover and pull forward to remove.



Change the light bulbs. Follow the reverse order of disassembing when assembling back.

Refrigerator Bottom Lights



Snap out hte bottom hook of light cover with a flat tip screw driver.



Hold down the light cover to pull out.



Change the light bulb. Follow the reverse order after changing the light.

Problem

Checkup Point

Action

It never gets cold inside.
Freezing & refrigerating is not so good.



- Is the refrigerator unpluged?
- Is the temperature set to [Low Mode] ?
- Is the refrigerator under direct sunlight or is any heat appliance placed near it?
- Is the space between refrigerator back and the wall too close?
- Plug the refrigerator.
- ₹ Set the temperature mode to Middle or High.
- 鬼 Move to a place where there is no direct sunlight, no heat appliences around.
- F Keep sufficient space (more than 10cm)between refrigerator back and the wall.

Foods in the refrigerator get frozen.



- Is temperature set to [Strong]?
- Is surround temperature too low?
- Is foods with much moisture stored close to the cold air spout?
- Set the temperature to [Middle] or [Low].
- Foods can be frozen if ambient temperature is below 5. Move to a place where the temperature is over 5.
- 鬼 Place foods with moisture on the shelves close to the doors.

Strange sound from the refrigerator



- Is floor beneath the refrigerator uneven?
- ∮ Is the space between refrigerator back and the wall too close?
- Does other stuff touch the refrigerator?
- Move the refrigerator to a level and even floor.
- ₹ Keep sufficient space.
- 鬼 Remove any object a way which touches the refrigerator.

Odor or disgusting smell from the inside



- Is food stored uncovered or unwrapped?
- Are the shelves and pockets stained with foods
- 鬼 Is food stored too long?

- Be sure to cover and wrap the foods.
- Clean them regularly. Once smell gets soaked to those parts, it is not easy to
- 鬼 Do not store foods for so long.

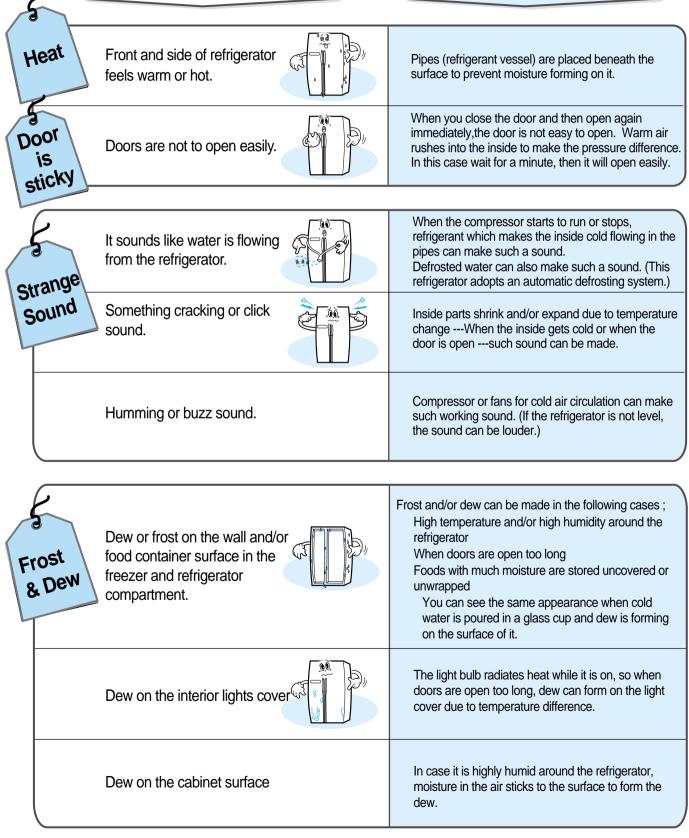
 Refrigerator is neither a perfect nor a permanent foods keeper.

G

Something strange? Don t worry. Here is the answer.

Explanation

Case

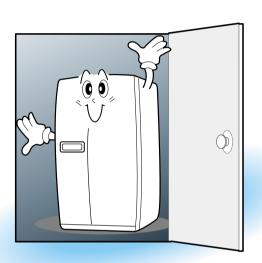




Check if the refrigerator can pass a doorway or enter a door first.

Dimensions(including Door Handles)

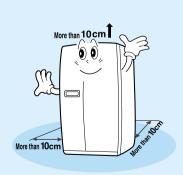
(Width*Depth*Height) 928mm × 816mm × 1808mm



Find a suitable place to install.

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Sufficient space from refrigerator back to the wall for free air ventilation



Avoid direct sunlight.





Once the installation place is ready follow the installation instructions. If surround temperature of refrigerator is low (below 5), foods can be frozen or the refrigerator can work in abnormal way.

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If the refrigerator can not enter the door, follow these steps.

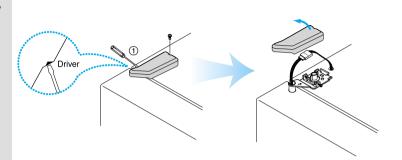
Removing Freezer Door



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Remove front bottom cover first, if it is attached.

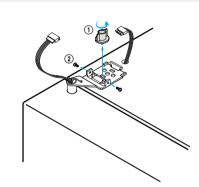
1 Unscrew top hinge cover with a screw driver.
Insert a thin screw driver into the side groove of the cover to remove.





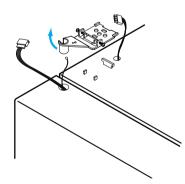
Turn top hinge fastener counterclockwise 3~4 times. (Just make it loose; do not remove.)

Disconnect the harness wires. Loosen hinge screws for several turn. (Just make them loose; do not remove.)

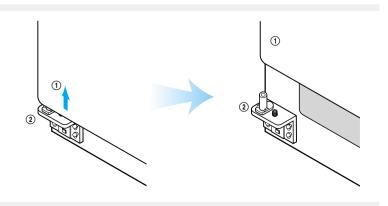




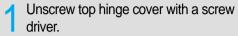
3 Lift up the front of hinge to remove. (After the hinge is removed the door can fall down forward. Be careful!)



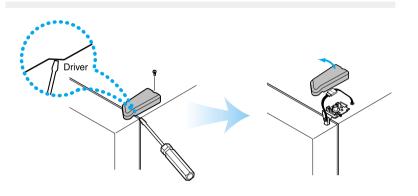
Lift the door straight up to remove.



Removing Refrigerator Door



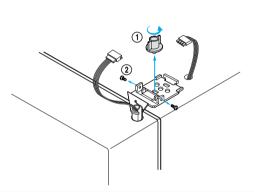
Insert a thin screw driver into the side groove of the cover to remove.



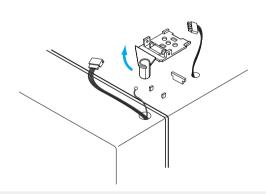


Turn top hinge fastener counterclockwise 3~4 times. (Just make it loose; do not remove.)

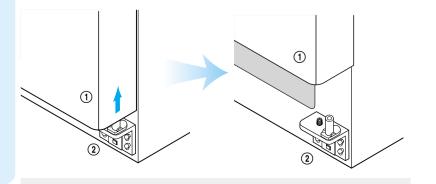
Disconnect harness wires.
Loosen hinge screws for several turn.
(Just make them loose; do not remove.)



Lift up the front of hinge to remove. (After the hinge is removed the door can fall down forward. Be careful!)



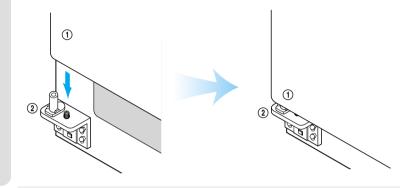
Lift the door straight up to remove.



Replacing Freezer Door

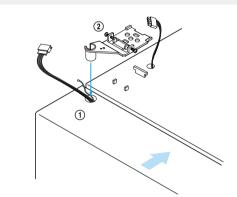
18

Insert the bottom hole of freezer door straight to the bottom hinge pin.



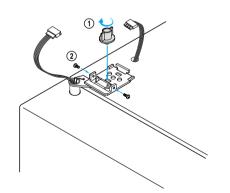
Let the top of door close to the cabinet and insert the top hinge pin to the top hole of freezer door.

(Insert the back of hinge to the groove of protrusion first, then front to the top hole of door.)

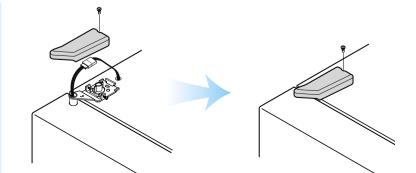




Turn the fastener clockwise several times. (Do not turn it to the end.) Adjust the level of door and fasten the top hinge with 2 (left & right) screws. Turn the hinge fastener tightly to the end. Connect harness wirings and screw ground wire.



Click and screw the top hinge cover.

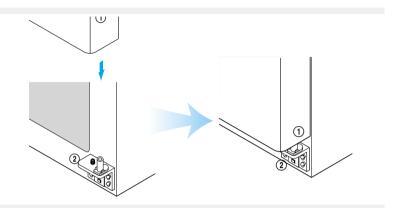


Replacing Refrigerator Door



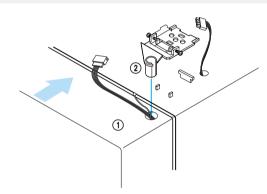
19

Insert the bottom hole of refrigerator door straight to the bottom hinge pin.



2 Let the top of door close to the cabinet and insert the top hinge pin to the top hole of freezer door.

(Insert the back of hinge to the groove of protrusion first, then front to the top hole of door.)

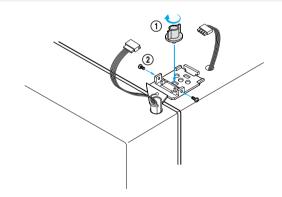




Turn the fastener clockwise several times. (Do not turn it to the end.) Adjust the level of door and fasten the top hinge with 2 (left & right) screws. Turn the hinge fastener tightly to the end. Connect harness wirings and screw ground

Click and screw the top hinge cover.

wire.





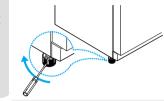
Refrigerator Leveling & Door Adjustment (If needed.)

Refrigerator must be level in order to maintain optimal performance and desirable front appearance. (If the floor beneath the refrigerator is uneven, freezer and refrigerator doors look unbalanced.)

In case freezer door is lower than refrigerator door...

Insert a screw driver (flat tip) into a groove of the left wheel (bottom of freezer) and turn it clockwise until the door is balanced. (clockwise to raise freezer door; counterclockwise to lower)

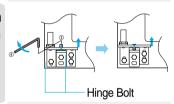
Unless the freezer door is balanced by step 1, then follow the next steps.



Open the doors, unscrew the front cover and remove, if it is attached.



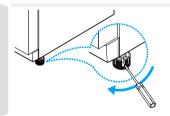
- Loosen 3 hinge bolts(1 on the left + 2 on the right) a little. (Do not unfasten them completely.) Insert a hexagonal wrench into the groove of adjusting nut and turn clockwise until the door is level.
- Once the door is balanced, fasten the hinge bolts tightly and screw the front cover.



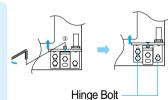
In case refrigerator door is lower than freezer door...

Insert a screw driver (flat tip) into a groove of the right wheel (bottom of refrigerator) and turn it clockwise until the door is balanced. (clockwise to raise refrigerator door; counterclockwise to lower)

Unless the refrigerator door is balanced by step 1, then follow the next steps.



- 2 Loosen 3 hinge bolts(2 on the left + 1 on the right) a little. (Do not unfasten them completely.)
 - Insert a hexagonal wrench into the groove of adjusting nut and turn clockwise until the door is level.
- Once the door is balanced, fasten the hinge bolts tightly.



Front Cover

After installation and/or door leveling, fasten front cover with screws.(Remove the screws on the front bottom panel first. Click and screw the cover)

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• The front of refrigerator needs to be higher just a little than the back for easy door closing, but if the wheel is raised too much for door balance, i.e. front of refrigerator is too higher than the back, it can be difficult to open the door.



Door gap adjusting

In case top and bottom gap of both doors are not the same, take the following steps to adjust. (gap beteen the top right edge of feezer door and top left of refrigerator door)

First unscrew and remove top hinge covers.

refer to page 16~17

Turn the hinge fastener counterclockwise2~3 times just to loosen. (Do not remove the fastener.)

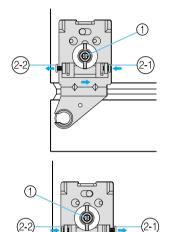
Adjustment of freezer door

Moving to the right

- 1) Loosen the left screw(2-2) enough. (Do not remove the screw.)
- 2) Turn the right screw(2-1) clockwise, then hinge and top of freezer door moves to the right.
- Once the gap is adjusted, fasten the left screw(2-2) tightly.

Moving to the left

- 1) Loosen the right screw(2-1) enough. (Do not remove the screw.)
- 2) Turn the left screw(2-2) clockwise, then hinge and top of freezer door moves to the left.
- 3) Once the gap is adjusted, fasten the right screw(2-1) tightly.



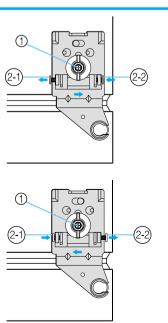
Adjustment of refrigerator door

Moving to the right

- 1) Loosen the left screw(2-1) enough. (Do not remove the screw.)
- 2) Turn the right screw(2-2) clockwise, then hinge and top of freezer door moves to the right.
- 3) Once the gap is adjusted, fasten the left screw(2-1) tightly.

Moving to the left

- 1) Loosen the right screw(2-2) enough. (Do not remove the screw.)
- 2) Turn the left screw(2-1) clockwise, then hinge and top of freezer door moves to the left.
- 3) Once the gap is adjusted, fasten the right screw(2-2) tightly.



DVEMOO

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CFC-Free

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MODEL

- FRS-2021CAL
- FRS-2021IALFRS-2041IAL
- FRS-2021WAL
 FRS-2041WAL
 FRS-2021EAL
 FRS-2041EAL

 - FRS-2041CAL





Read this user guide thoroughly and carefully before using for your safety and optimal performance of refregerator.

Code: S201-11