



OWNER'S MANUAL

FRIDGE- FREEZER

Please read this owner's manual thoroughly before operating and keep it handy for reference at all times.

GR - N309LQA

Table of Contents

Introduction

| | |
|------------------------------|---|
| Registration | 4 |
| Important Safety Instruction | 4 |
| Identification of Parts | 9 |

Operation

| | |
|---------------------|----|
| Temperature Control | 10 |
| Super Freezer | 12 |
| Self Test | 12 |
| Door Alarm | 12 |
| Miracle Zone | 13 |
| Ice Making | 14 |
| Defrosting | 14 |

Suggestion On Food storage

| | |
|--------------|----|
| Storing Food | 15 |
|--------------|----|

Care and Maintenance

| | |
|----------------------|----|
| General Information | 16 |
| Lamp Replacement | 17 |
| To Reverse the Doors | 17 |
| Cleaning | 18 |

Trouble Shooting

| | |
|------------------|----|
| Trouble Shooting | 19 |
|------------------|----|

* Refer to Installation Instruction for details.

Introduction

Registration

The model and serial number are found on the rear of this unit. This number is unique to this unit and not available to others. You should record requested information here and retain this guide as a permanent record of your purchase. Staple your receipt here.

Date of Purchase : _____

Dealer Purchased From : _____

Dealer Address : _____

Dealer Phone No. : _____

Model No. : _____

Serial No. : _____

Important Safety Instruction

To avoid any risk of personal injury, material damage or incorrect use of the appliance, be sure to observe the following safety precautions. (After reading these owner's instructions, please keep them in a safe place for reference). Remember to hand them over to any subsequent owner.



WARNING Indicates that a danger of death or serious injury exists



CAUTION Indicates that a risk of personal injury or material damage exists

Important Safety Instruction

⚠ WARNING

Precaution

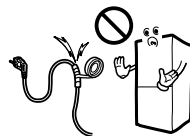
- This fridge-freezer must be properly installed and located in accordance with the Installation Instruction before it is used.
- Before you install this fridge-freezer reference to installation manual.
- Never unplug your fridge-freezer by pulling on the power cord. Always grip plug firmly and pull straight out from the outlet.
- When moving your appliance away from the wall, be careful not to roll over or damage the power cord.
- After your fridge-freezer is in operation, do not touch the cold surfaces in the freezer compartment, particularly when hands are damp or wet. Skin may adhere to these extremely cold surfaces.
- Pull out the power plug prior to cleaning the fridge-freezer.
Never damage, severely bend, pull out, or twist the power cord because power cord damage may cause a fire or electronic shock.
Never place glass products in the freezer because they may be broken when their inner contents are frozen.
- Do not directly spray water inside or outside the fridge/freezer.
There is a risk of explosion or fire.
- Do not insert the power plug with wet hands.
You may receive an electric shock.
- Do not install the fridge/freezer in a damp place, where it could be splashed with water.
Incorrect insulation of the electrical parts may cause an electric shock or fire.

Important Safety Instruction

- Do not disassemble, repair or alter the appliance.
It may cause fire or abnormal operations, which may lead to injury.
- Pull the power plug out of the socket before replacing the interior light in the refrigerator.
Otherwise, there is a risk of electric shock.
- If possible, connect the fridge-freezer to its own individual electrical outlet to prevent it and other appliances or household lights from causing an overload.

Do not modify or extend the Power Cord length.

It will cause electric shock or fire.



Accessibility of Supply Plug

The supply plug of the refrigerator-freezer should be placed in easy accessible position for quick disconnection in emergency.

Supply Cord Replacement

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

Danger

Risk of child entrapment.
Before you throw away your old refrigerator or freezer:
Take off the doors.
Leave the shelves in place so that children may not easily climb inside.

Don't store

Don't store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

Grounding (Earthing)

In the event of an electric short circuit, grounding (earthing) reduces the risk of electric shock by providing an escape wire for the electric current. In order to prevent possible electric shock, this appliance must be grounded. Improper use of the grounding plug can result in an electric shock. Consult a qualified electrician or service person if the grounding instructions are not completely understood, or if you have doubts on whether the appliance is properly grounded or not.

Important Safety Instruction

⚠ 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 to accelerate the defrosting process, other than those recommended by the manufacturer.
- ⚠ Do not damage the refrigerant circuit.
- ⚠ Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- ⚠ The refrigerant and insulation blowing gas used in the appliance require special disposal procedures. When disposal, please consult with service agent or similarly qualified person.



This appliance contains a small amount of isobutane refrigerant (R600a), natural gas with high environmental compatibility, but it is also combustible. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged. Refrigerant squirting out of the pipes could ignite or cause an eye injury. If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.

In order to avoid the creation of a flammable gas air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance may be sited depends on the amount of refrigerant used. The room must be 1m² in size for every 8g of R600a refrigerant inside the appliance. The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.

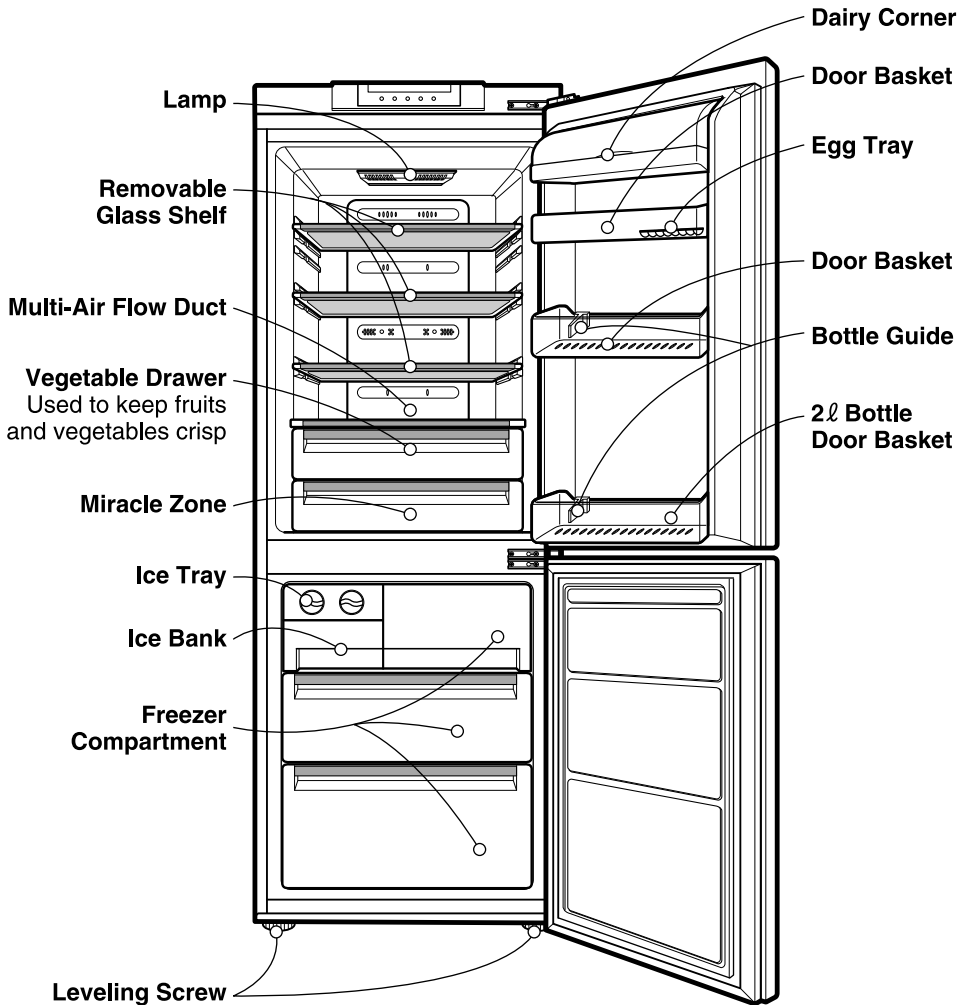
Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.

⚠ CAUTION

Important Safety Instruction

- If the wall socket is loose, do not insert the power plug.
It may cause electric shock or fire.
- Never unplug your refrigerator by pulling on the power cord. Always grip plug firmly and pull it straight out from the outlet.
You may disconnect a wire and cause a short circuit.
- Do not use a wet or damp cloth when cleaning the plug. Remove any foreign matter from the power plug pins.
Otherwise, there is a risk of fire.
- Do not put your hands into the bottom area of the appliance.
Any Sharp edges may cause personal injury.
- After unplugging the appliance, wait for at least five minutes before plugging it again to the wall socket.
Abnormal operation of the freezer may cause material damage.
- If the appliance is not to be used for a long time, pull out the power plug.
Any deterioration in the insulation may cause fire.
- Do not let children touch or play with the control panel on the front of the appliance.
- The refrigerant used in fridge/freezer and the gases in the insulation material require special disposal procedures. Ensure that none of the pipes on the back of the appliances are damaged prior to disposal.

Identification of Parts

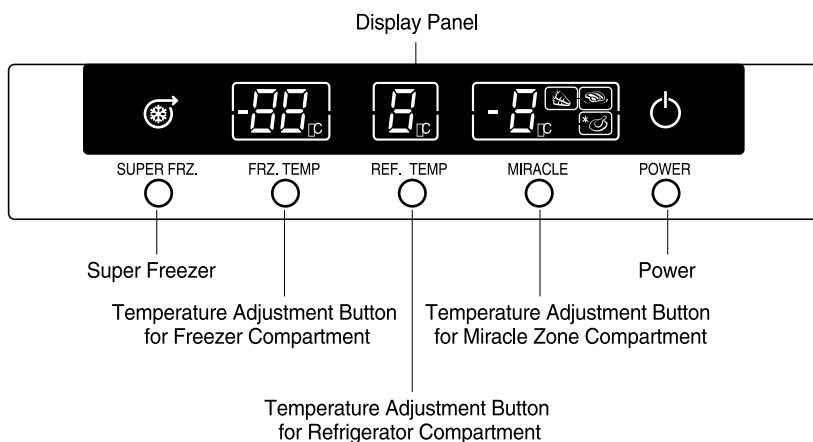


Temperature Control

Your fridge-freezer has controls that lets you regulate the temperature in the fridge and freezer compartments.

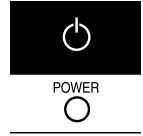
**Adjusting the
temperatures and
functions**

Display Panel For Temperature Control



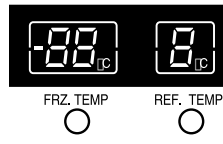
Power

- If you push button more than 3 seconds you can switch on or off the Refrigerator.



How to adjust the temperature in the refrigerator and freezer compartment

- The initial Temperature of the Freezer and Refrigerator Compartment is -18°C and 2°C respectively. You can now adjust the temperature of the compartments as you want.



- When you press the temperature control button, the temperature of the Freezer or Refrigerator part is change by 1 degree.

Note

The actual inner temperature varies depending on the food status, as the indicated setting temperature is a target temperature, not actual temperature within refrigerator.

Refrigeration function is weak in the initial time. Please adjust temperature as above after using refrigerator for minimum 2~3 days.

Super Freezer

- Please select this function for prompt freezer.
- This function is used when you want to freeze the foods quickly. Press the SUPER FRZ (Super Freezer) button once, and then the quick freeze operation starts with the lamp it.
- The Super Freeze operation takes about 3 hours. When its operation ends, it automatically returns to the previous temperature setting. If you want to stop the quick freeze operation, press the SUPER FRZ button once more, the lamp goes out, and the Super Freeze operation stops and the refrigerator returns to the previous temperature setting.

SUPER FRZ.



In selecting
"On"



In selecting
"Off"

Self Test

This function allows you to check for operational problems. If you think you have a problem with your fridge-freezer, then press the temperature control button:

- If the indicate lights move up or down, then there is no problem with your fridge-freezer.
- If the indicate lights do not move up or down, then please leave the power connected and call your nearest service agent.

Door Alarm

When the door of the fridge is left open for a while, the alarm sounds.

Miracle Zone Temperature Transition Corner

- By pressing the button, store vegetables, fruits (at relatively low conservation temperature) or other types of food such as meat to be defrosted, raw fish, etc.

Method to Use

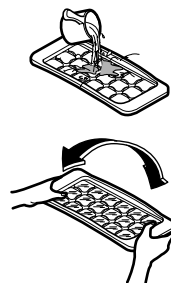
- You can select optimum temperature range depending on types of food stored.



- 3 steps of temperature selection including 2°C, -1°C, -3°C is available.
Vegetables/fruits and cold storage foods requiring humidity maintenance and meats/fishes can be more freshly stored depending on type of food stored.

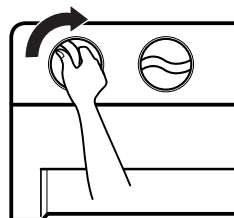
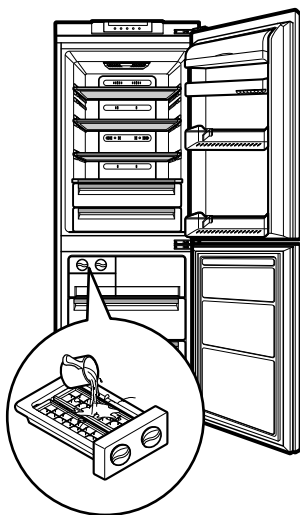
Ice Making

- Fill water in ice making box of the ice making corner. If water is fully filled the ice will not be separated well and water can be dropped to make ice lumped.
- Ice will be dropped into the ice storage bin by rotating ice separation handle of ice making compartment.



Note

- Rotating the ice separation handle before ice is fully frozen may cause the remaining water drop into the ice storage bin to lump the ice together.



Tip

To remove ice cubes easily, run water on the tray before twisting.

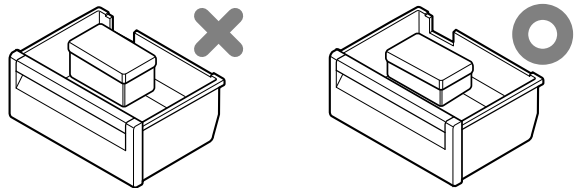
Defrosting

- Defrosting takes place automatically.
- The defrosting water flows down to the evaporating tray and is evaporated automatically.

Storing Food

⚠ CAUTION

- Do not store food which goes bad easily at low temperature, such as banana, and melon.
- Allow hot food to cool prior to storing. Placing hot food in the fridge-freezer could spoil other food, and lead to higher electric bills.
- When storing the food, use a container with a lid. This prevents moisture from evaporating, and helps food to keep its taste and nutrients.
- Do not block air vents with food. Smooth circulation of cold air keeps fridge-freezer temperature even.
- Do not open the door frequently. Opening the door lets warm air enter the fridge-freezer, and cause temperature to rise.
- Never keep too many foods in door rack, as this may stop the door from fully closing.
- Do not store bottles in the freezer compartment, Miracle Zone or snack bin they may break when frozen.
- Do not refreeze food that has been thawed. This causes loss of taste and nutrition.
- Do not store pharmaceutical products, scientific materials or other temperature sensitive products in the refrigerator. Products that require strict temperature controls must not be stored in the refrigerator.
- If you want to quick freeze new food, you put it middle drawer of freezer compartment, and then press the Super Freezer button.
- Do not put in front of the air hole of the upper drawer of freezer compartment. It could decrease freezer capacity.



Note

If you keep the fridge-freezer in a hot, and humid place, frequently open its door or put a lot of vegetables in it, dew may form in it, which has no effect on its performance. Remove the dew with dust cloth free from care.

General Information

Power Failure

- 1~2 hour power failure does no harm to the foods stores. Try to avoid opening and closing the door too frequently.

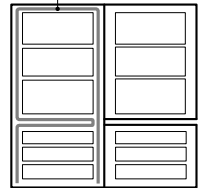
If You Move

- Take out foods from the fridge-freezer and firmly fix the loose items with tape.
- Do not move the fridge freezer by sliding.

Anti Condensation Pipe

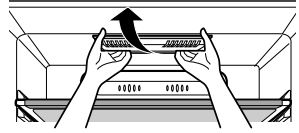
- The Anti-Condensation pipe is installed around the front side of fridge-freezer as well as on the partition between fridge compartment and freezer compartment to prevent dewing.
- Especially after installation or when ambient temperature is high, the fridge-freezer may feel hot, which is quite normal.

Anti-Condensation Pipe



Lamp Replacement

1. Unplug the power cord from the outlet or shutdown the main switch in your house.
2. Remove the room lamp lid by taking down while pulling its back projection.
3. Remove the lamp by turning it counterclockwise and replace new one.
4. Assemble in reverse order of disassembly.
Replacement bulb must be the same specification as original.



⚠ CAUTION

- You must check the O-RING, which is made by rubber and prevent electric spark.
- Don't touch the lamp, in case of light on the long time. Because it can be very hot.

Note

- Lamp capacity is MAX 30W.
- The lamp will remain "ON" for 7minutes if the door is left open and then it is "OFF" for safety. (If you reopen the door, the lamp is "On".)

To Reverse the Doors

- Your fridge-freezer is designed with reversible doors, do that they may open from either the left of right hand side to suit your kitchen design.

⚠ CAUTION

However, When you want to reverse the doors, you must be calling to service agent.
Reversing the doors is not covered by the warranty.

Cleaning

Before Cleaning

Be sure to unplug the power or shutdown the main switch in your house.

Exterior

Clean the outside of the fridge-freezer with a soft cloth soaked with hot water or liquid detergent. If you use a detergent, be sure to wipe it with a clean wet cloth.

Interior

As above.

After Cleaning

Check that the power cord is not damaged, power plug has not overheated, and that the power plug is tightly inserted into the outlet.

⚠ WARNING

Be sure to dry the appliance with a cloth after washing it with water.
Do not use abrasive, petroleum, benzene, thinner, hydrochloride acid, boiling water, rough brush, etc, as they may damage parts of the fridge-freezer.

**Before calling for service, check this list.
It may save you both time and expense.
This list includes common occurrences that are not
the result of defective workmanship or materials in
this appliance.**

| Problem | Possible Causes |
|---|---|
| Fridge-Freezer does not operate | <ul style="list-style-type: none"> • Power plug may be unplugged from the electric outlet. Plug it in securely. • House fuse has blown or circuit breaker has tripped. Check and/or replace fuse and reset circuit breaker. • Power cut. Check house lights. |
| Fridge or Freezer Compartment Temperature too warm | <ul style="list-style-type: none"> • Temperature control not set on proper position. Refer to Temperature Control section. • Appliance is placed close to heat source. • Warm weather-frequent door openings. • Door left open for a long time. • Package holding door open or blocking air duct in freezer compartment. |
| Vibration or Rattling or Abnormal Noise | <ul style="list-style-type: none"> • The floor on which the fridge-freezer is installed may be uneven or the fridge-freezer may be unstable. Make it even by rotating the leveling screw. • Unnecessary objects placed in the back side of the fridge-freezer. |
| Frost or Ice Crystals on frozen Food | <ul style="list-style-type: none"> • Door may have been left ajar or package holding door open. • Too frequent or too long door openings. • Frost within package is normal. |
| Moisture forms on Cabinet Surface | <ul style="list-style-type: none"> • This phenomenon is likely to occur in a wet space. Wipe it with a dry towel. |

| Problem | Possible Causes |
|-------------------------------------|---|
| Moisture collects inside | <ul style="list-style-type: none">• Too frequent or too long door openings.• In humid weather, air carries moisture into fridge when doors are opened. |
| Fridge has odor | <ul style="list-style-type: none">• Foods with strong odors should be tightly covered or wrapped.• Check for spoiled food.• Interior needs cleaning. Refer to CLEANING section |
| Door not closing properly | <ul style="list-style-type: none">• Food package is keeping door open. Move packages that keep door from closing.• Fridge-freezer is not level. Adjust the leveling screws.• The floor on which the fridge-freezer is installed may be uneven or the fridge-freezer may be unstable. Slightly raise the front side with the leveling screw. |
| Interior light does not work | <ul style="list-style-type: none">• No power at outlet.• Light lamp needs replacing. Refer to the Lamp Replacement section |





Model:
GR-N309LQA

Built-in Refrigerator

Installation Manual

Contents

| | |
|---|----|
| 1. Caution Before Installation | 3 |
| 2. Installation Parts | 4 |
| 3. Block Diagram and Assembly | 5 |
| 4. Dimensions of Refrigerator and Cabinet | 6 |
| 5. Installation Environment for Built-in Refrigerator | 7 |
| 6. Order of Installation | |
| 1) Preparation Work Before Installation of Refrigerator | 8 |
| 2) Case-related Work After Inserting Refrigerator | 10 |
| 3) Work Related with Integrated Door Panel | 13 |
| 4) Work Related with the refrigerator freezer | 14 |
| 5) Work Related with the refrigerator fridge | 16 |
| 6) Installation Check and Finishing Work | 18 |
| 7) Change of Door Open Direction of Refrigerator | 19 |

Perform work after checking following contents:

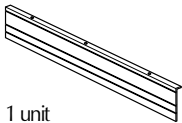
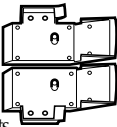
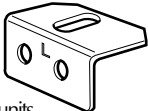
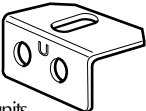
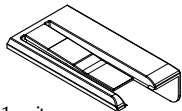

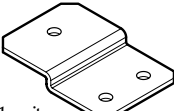
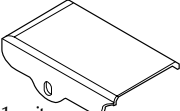
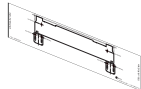
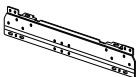
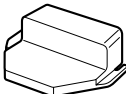





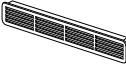

This installation manual was prepared on the door to be opened to the right side. To change the swing of the door to the left side, install product after firstly reading the last page (p. 19).







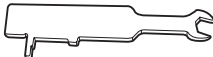
1. Caution Before Installation

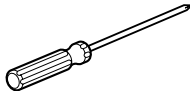



- Product must be installed in a location away from heat sources such as heaters and hot-water systems. Must also be installed in a location away from direct sunlight. Installation location must have adequate ventilation.
- Prepare cabinetwork in accordance with the instructions to assure adequate ventilation. Be sure that the installation has unobstructed air flow into front air vent. If ventilation is not adequate the normal performance of the product may be impaired or prohibited.
- Install the product in such a way to prevent the ingress of rodents and vermin as damage caused by them may result in fire.
- Install the cabinet door to the refrigerator in such a way to maintain a 5mm gap between the edge of the cabinet door and any adjacent wall.
- Use the specified dimensions for the Integrated door panels. Oversized integrated door panels may sag or cause interference with the correct operation of the product.
- Check there is no lean on the product door after attaching the Integrated door panels. Check to see that the gasket of the fridge/freezer is properly attached.
- Use Integrated panel material of sufficient strength to maintain integrity of support screw/bolts under the weight of the panels. i.e. don't use material that will allow the screws to be pulled out easily from the weight of the panels.
- Use Cabinet material that is sealed and won't warp or twist from the heat generated by the product or from the moisture produced by opening and closing the refrigerator doors.
- Make sure surrounding cabinet work is square (within 1mm of horizontal or vertical). Make sure the base plate that the product is placed on is of sufficient strength to not bow or warp under constant weight of the product. Bowing or warping may result in the product not being square with surrounding cabinet work causing interference with the opening and/or operation of the product.
- Installation or removal of this product will require the cooperation of two persons.
- For safety reasons keep children away from the installation location and all installation materials during installation.
- Be sure to keep the installation location neat and tidy, keep screws in a single location and take them only as needed to prevent injury from screws laying around.
- Do not connect product via an extension cord or multi adapter due to risk of fire.
- Test run product prior to installation to assure its correct operation.

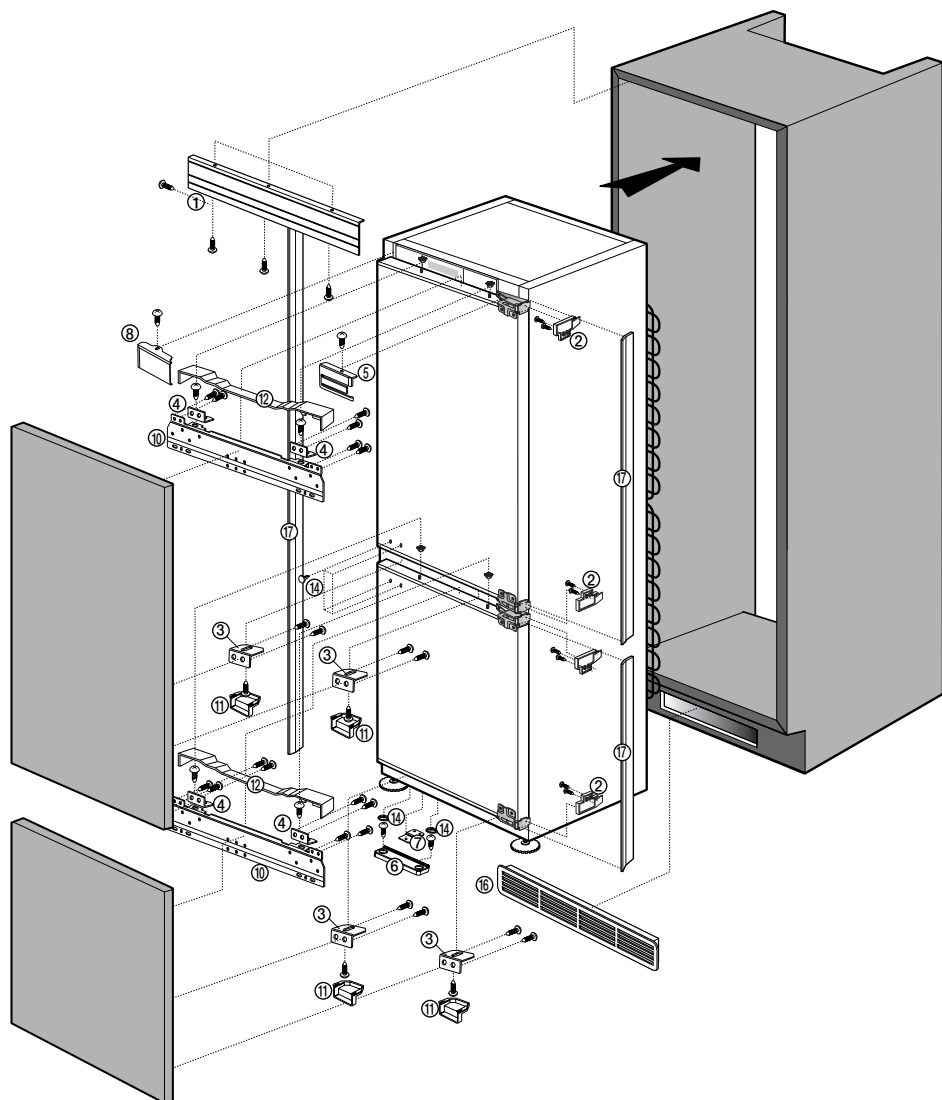
2. Installation Parts

| | | | | |
|---|--|---|---|---|
| Parts prepared before installing cabinet case | ① Top cover | ② Hinge stand | ③ Depth adjust Bracket (hole size = 5.5mm) | ④ Depth adjust Bracket (hole size = 8mm) |
| |  1 unit |  4 units |  4 units |  4 units |
| Parts related with case after inserting product into cabinet case | ⑤ Hinge cover | ⑥ Bracket case cover | ⑦ Bracket case | ⑧ Case cover |
| |  1 unit |  1 unit |  1 unit |  1 unit |
| Parts related with integrated cabinet doors after inserting product into cabinet case | ⑨ Paper jig | ⑩ Top bracket | ⑪ Depth adjust bracket cover | ⑫ Top bracket cover |
| |  1 unit |  1 unit |  4 units |  1 unit |
| Parts related with finishing work | ⑬ Bottom part gasket | ⑭ Cap screw | ⑮ Hinge front cover | ⑯ Air path cover |
| |  1 unit |  6 units  2 units |  4 units |  1 unit |
| | | | | ⑰ Gasket  2 units |

| Ⓐ Wood bolting screw | | | Ⓑ Wood bolting screw | | | Ⓒ Upper bracket bolting screw | | | Ⓓ Height adjusting nut | | |
|--|--------|----------|---|--------|----------|---|--------|----------|---|------|----------|
|  | Spec | Quantity |  | Spec | Quantity |  | Spec | Quantity |  | Spec | Quantity |
| | D4×L16 | 8 | | D4×L12 | 21 | | D4×6.5 | 8 | | M5 | 8 |
| Ⓔ Hinge bolting screw | | | Ⓕ Horizontal adjusting leg bolting screw | | | Ⓖ Spanner | | | | | |
|  | Spec | Quantity |  | Spec | Quantity |  | Spec | | Quantity | | |
| | M5 | 10 | | D4×L14 | 1 | | - | | 1 | | |

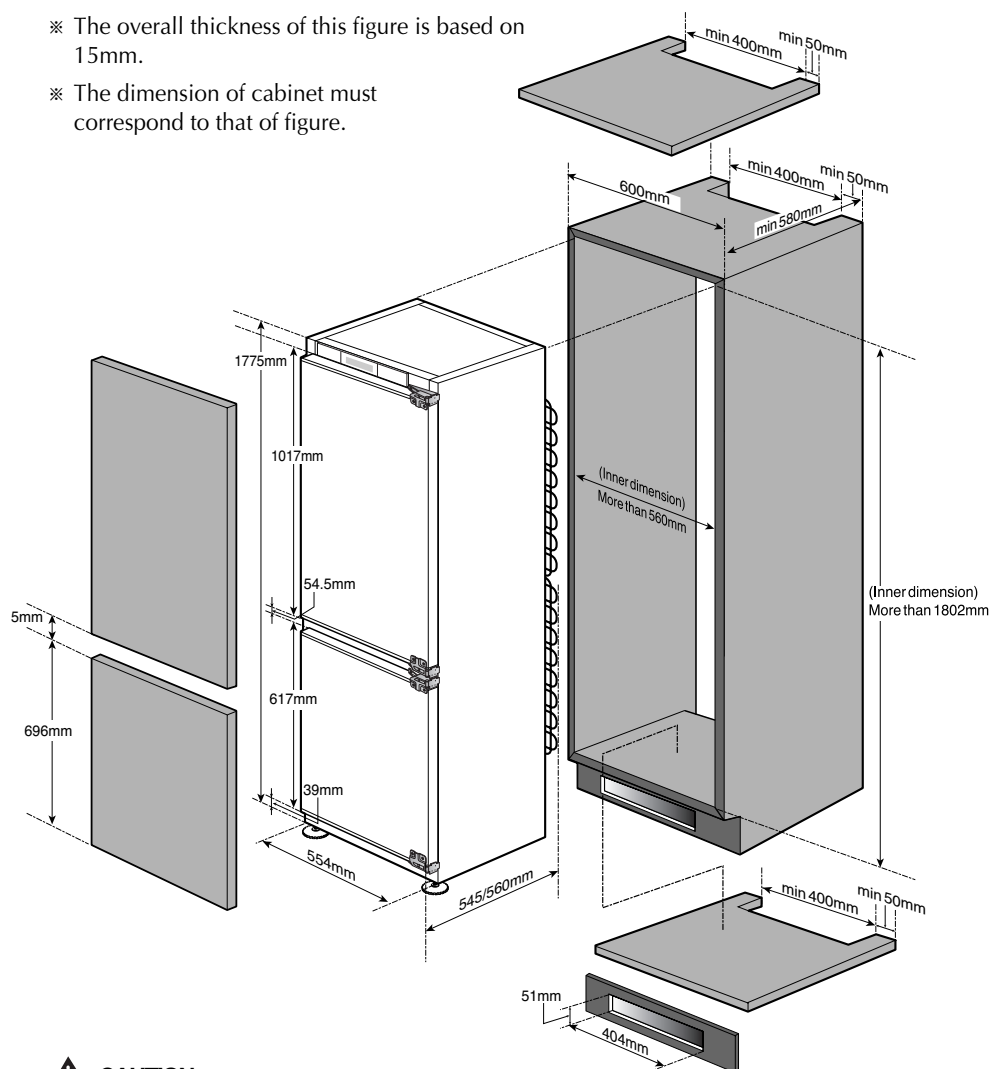
| | | |
|---|---|---|
| These tools are required but not supplied | Cross (+) driver | 2m tape rule |
| |  |  |

3. Block Diagram and Assembly



4. Dimensions of Refrigerator and Cabinet

- ※ The overall thickness of this figure is based on 15mm.
- ※ The dimension of cabinet must correspond to that of figure.



⚠ CAUTION

The dimension of Integrated door panels changes if there is a change of cabinet material thickness.

| Thickness of Cabinet Case | Dimension of Integrated Door Panel (Freezer) |
|---------------------------|--|
| 18mm | 699mm |
| 20mm | 701mm |

- Both the main body of the cabinet and the integrated door panel must be separated.
- The integrated door panel may sag if it is larger than the specified size.
- Install the product in such a way that all cabinet work is level both horizontally and vertically.

5. Installation Environment for Built-in Refrigerator

- Construct the cabinet work in accordance with these dimensions to guarantee adequate ventilation for reliable heat exchange for product.

1. There must be unobstructed pathways for air circulation to enter through bottom inlet and escape through upper outlet.
2. Ensure that No. ② path can be obtained in the cases where the No. ① path cannot be used.
3. Ensure that the surface area of the inlet and outlet ports for the No. ①, ② air paths are more than 200cm^2 .

⚠ CAUTION

Required conditions for base of cabinet.

- Bottom surface:

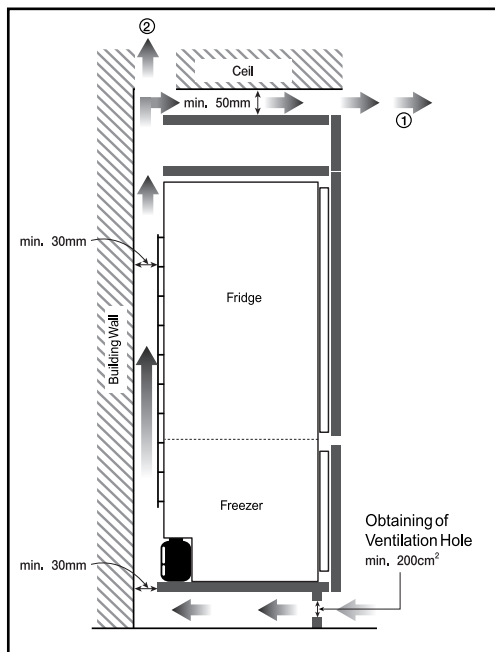
It is required to use T 20mm to obtain strength.

- Space stand:

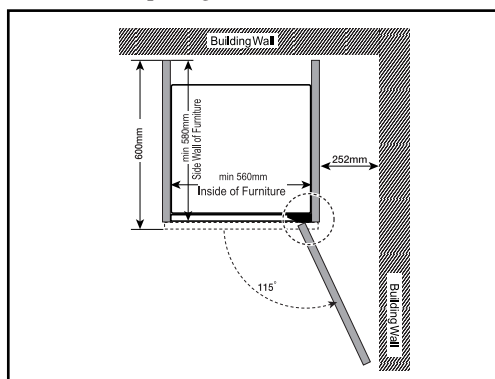
Ensure that the base is reinforced to the extent that it can support up to 200KG (Product + Food + Integrated Cabinet Doors + Shock of opening and closing doors)

- Level:

The base must be level to assure the uniform downward pressure and distribution of weight to alleviate warping of the base. Warping may hinder the operation of the products doors.



■ Plan drawing of installation cabinet and maximum opening of door

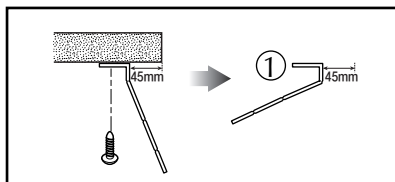


6. Order of Installation

1) Preparation Work Before Installation of Refrigerator

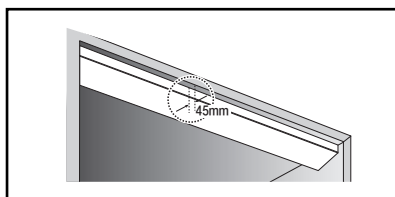
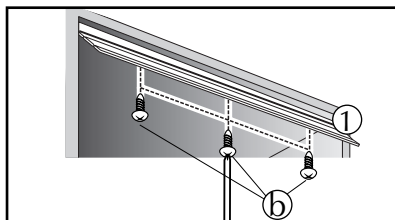
1. Installation of refrigerator top cover ①.

- 1). Pre-fold the top cover ① of refrigerator, refer to the drawing to the right.

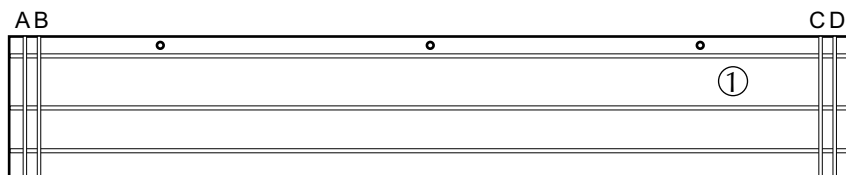


- 2). Fix the refrigerator top cover ① with the wood bolting screw ⑥ (3 places) at a point 45mm in from interior edge of cabinet at each end and also in the middle.

(The thickness of the cabinet material determines the way the top cover ① is cut. Please take notice of the below "reference" for the correct cutting of the top cover.)



※ Reference



In case of door opening to the right

Cut the A-spot when thickness of the cabinet material is 18mm, cut the B-Spot if it is 20mm.

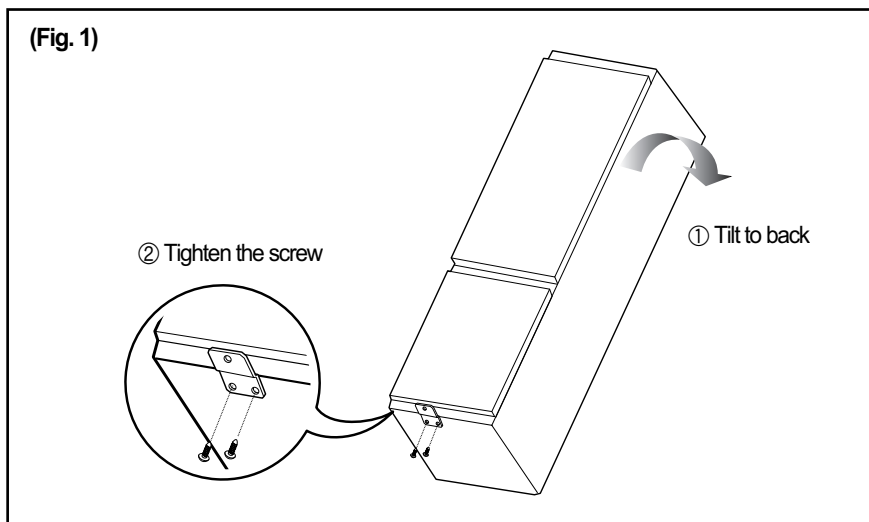
In case of door opening to the left

Cut the D-spot when thickness of the cabinet material is 18mm, cut the C-spot if it is 20mm.

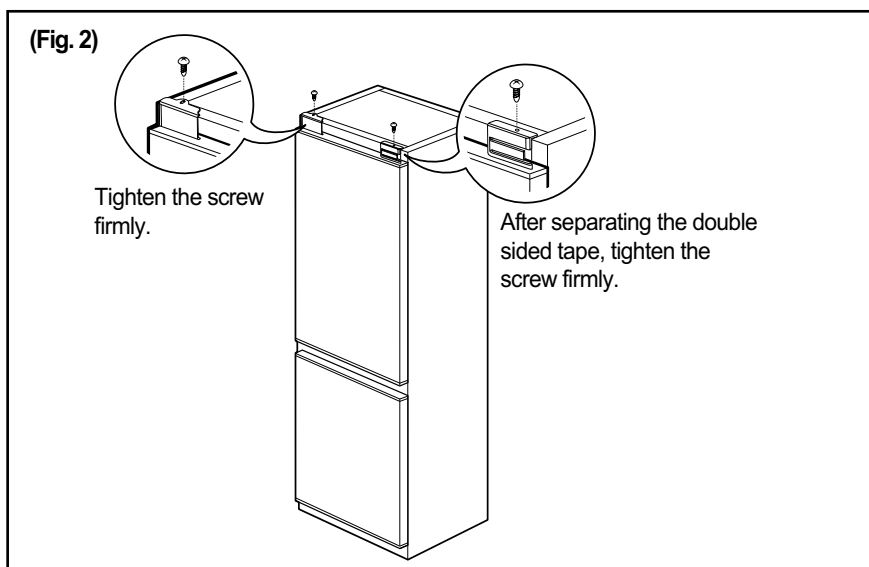
6. Order of Installation

1) Preparation Work Before Installation of Refrigerator

3) Assembly bracket



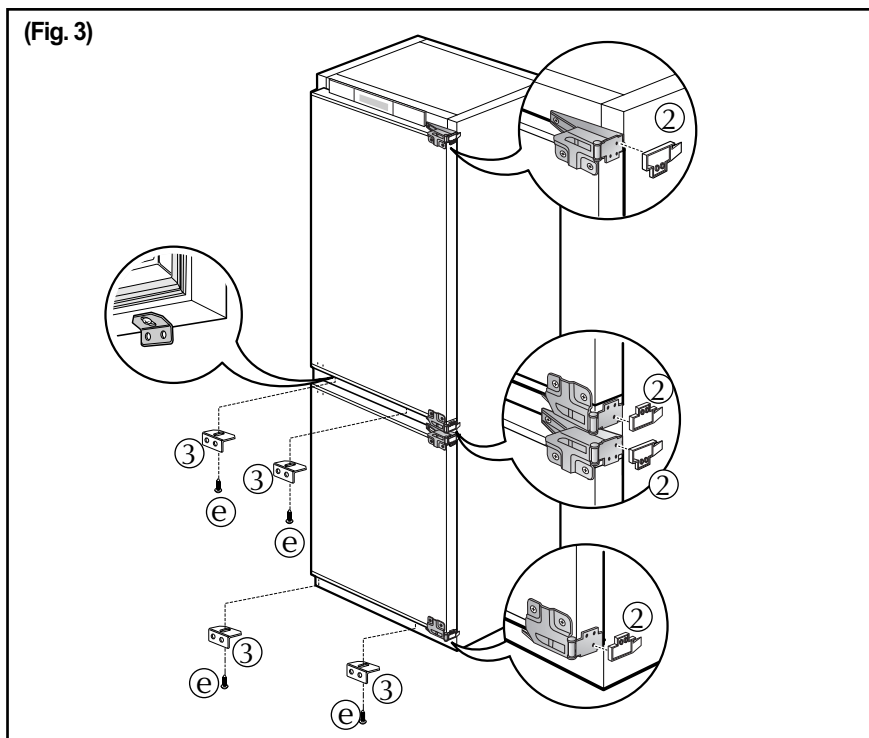
4) Assembly cover



6. Order of Installation

1) Preparation Work Before Installation of Refrigerator

2. Insert the hinge stand ② into the hinge (4places) as in the below figure (See figure 3)
(Don't insert the hinge stand when thickness of the cabinet material is 20mm.)
3. Lean the refrigerator backward and then fix the depth adjust bracket ③ to the underside (2places) loosely with the hinge bolting screw ④ in figure (Same for door work of the cold store room and the freezing room) (See Fig.3).



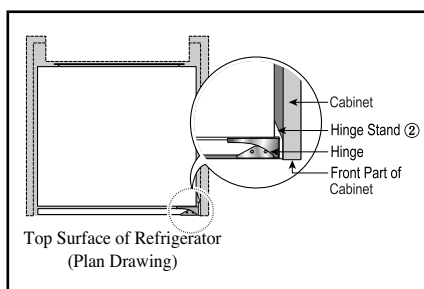
2) Case-related Work After Inserting Refrigerator

4. Draw the power cable through the back of the cabinet.

! Be careful that the power cord is not trapped beneath the refrigerator as you install it into the cabinet. The cord may be crushed and damaged resulting in a fire hazard.


5. Insert the refrigerator into the cabinet so that the end of the hinge stand ② corresponds to the front part of the cabinet.

! Caution must be taken not to jam your hands between refrigerator and cabinet when inserting refrigerator into cabinet.

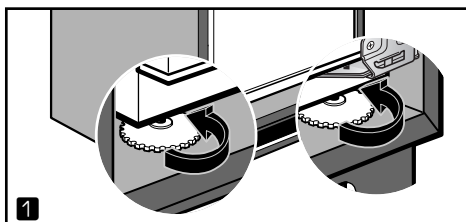


6. Order of Installation

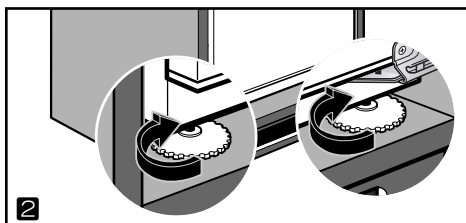
2) Cabinet-related Work After Inserting Refrigerator

6. Adjust both verticality and horizontality by turning the horizontal adjusting leg () of refrigerator.

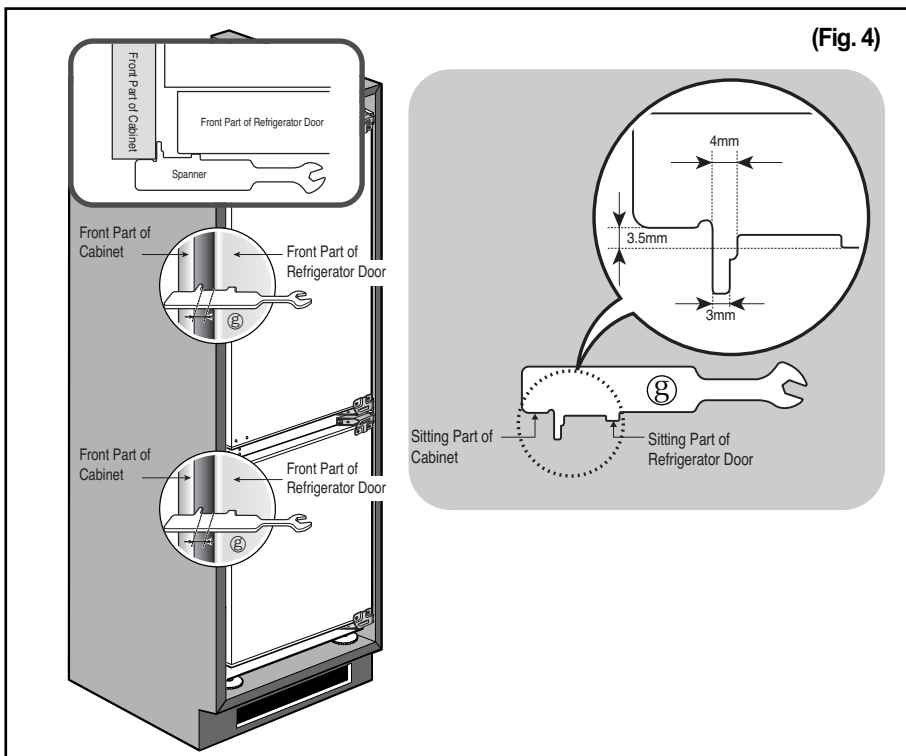
1 When the unit tilts backwards.
Adjust by turning the horizontal adjusting leg anti-clockwise since the refrigerator leans backward.



2 When the unit tilts forwards.
Adjust by turning the horizontal adjusting leg clockwise since the refrigerator leans forward.



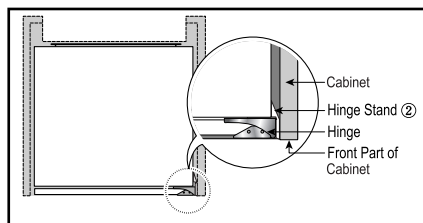
Check that the depth dimensions of the front part of the cabinet and the front part of refrigerator door are constant by using the spanner® (See Fig. 4).



6. Order of Installation

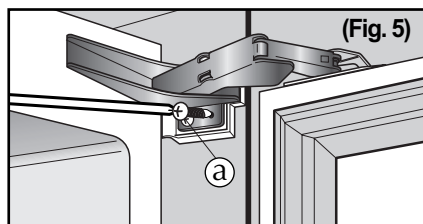
2) Case-related Work After Inserting Refrigerator

7. Check that the end of the hinge stand ② corresponds to the right front side of the cabinet.

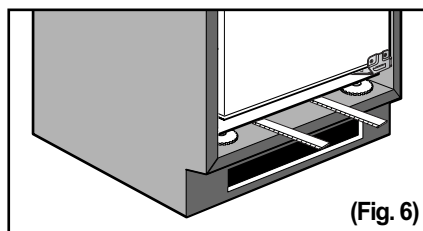


8. Fix the hinge with the wood bolting screw @ (8places) (See Figure 5).

! Be careful when working on hinges as you may be injured by the hinge operation if the door moves.



9. Check that the left / right depth interval as in Figure 6 is constant by using a ruler.

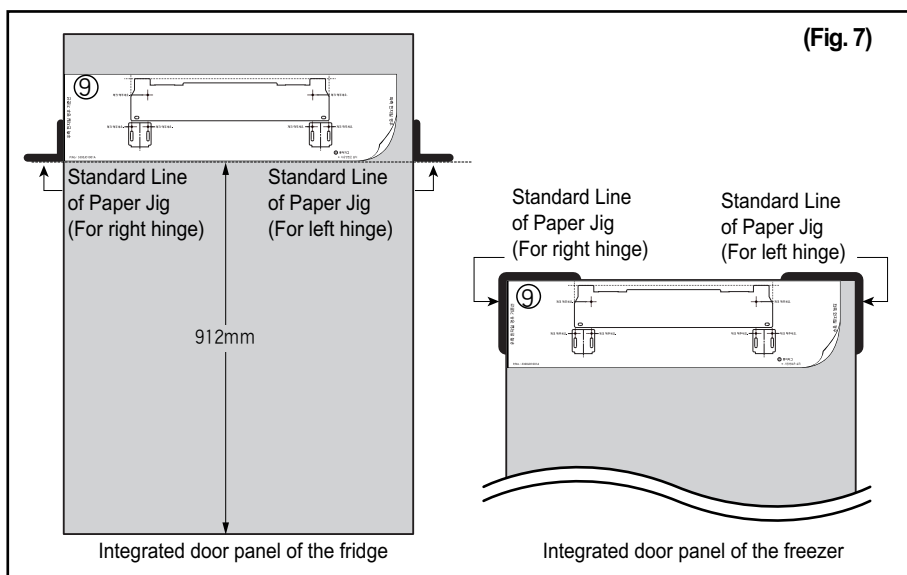


6. Order of Installation

3) Work Related with Integrated Door Panel.

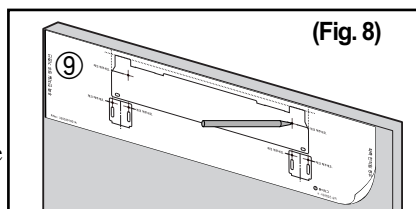
10. Place the paper jig ⑨ on the standard line (see reference) on the back of the integrated door panel (See Fig. 7).

※ **Reference** For the door of the fridge: Place the paper jig ⑨ at the point away 912 mm from the underside of the fridge integrated door panel.

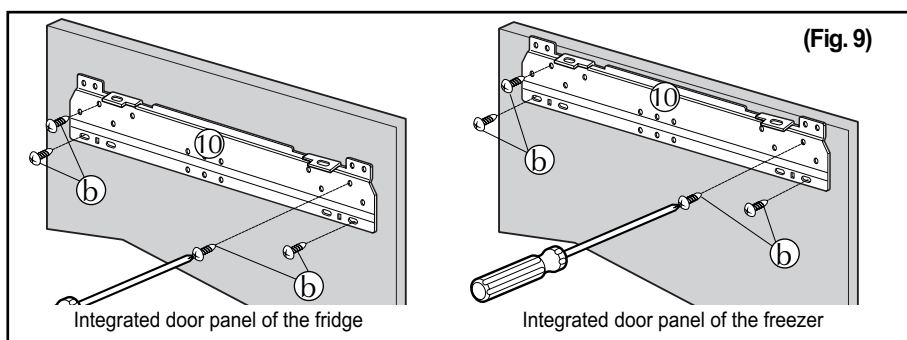


11. Indicate two holes at the paper jig ⑨ on the integrated door panel (See Figure 8).

⚠ Double check the indicated point is located in an accurate position before fixing with the wood bolting screw ⑥.



12. After removing the paper jig ⑨, fix the top bracket ⑩ of the integrated door panel by using the wood bolting screw ⑥ (4 places) with the top two holes lined up to the marked spots (from the paper jig) on the integrated door panel. (See Figure 9).

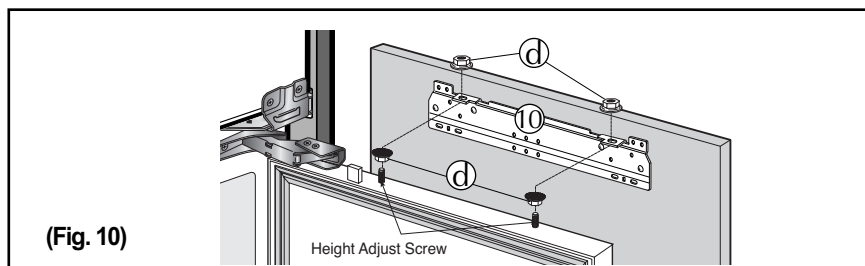


6. Order of Installation

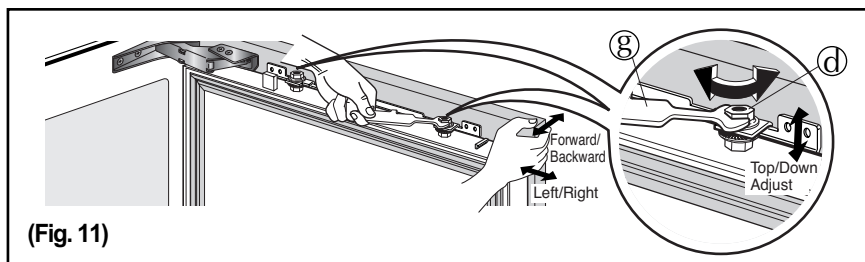
4) Work Related with the Freezer Door

13. Hang the top bracket ⑩ of the integrated door panel on the height adjusting screw of the door top part after inserting the height adjusting nut ㉔ (2 places) on to the height adjusting screw. Loosely tighten the height adjust nut ㉔ (2 places) (See Figure 10).

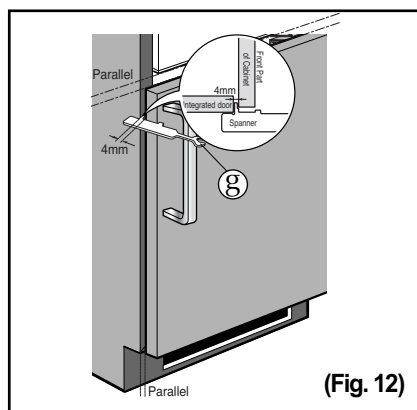
! Perform work with care since you may be injured or the integrated door panel of the freezer is damaged because the hole is unmatched when installing the integrated door panel of the freezer.



14. Move the integrated door panel to the left or right and adjust the left/right interval uniformly after checking the integrated door panel and the door of the freezer are parallel (Move position of the height adjust nut ㉔ for adjustment up or down when they are not parallel) (See Figure 11)



15. Check the dimension by using the spanner ㉔ (See Figure 12).

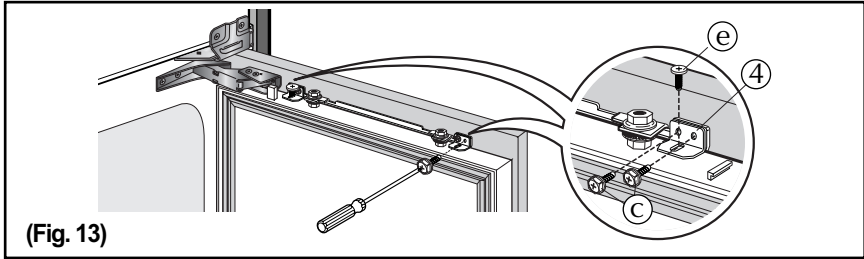


16. Start work from step No. 13 again after releasing the height adjust nut ㉔ where the dimension is not matched.

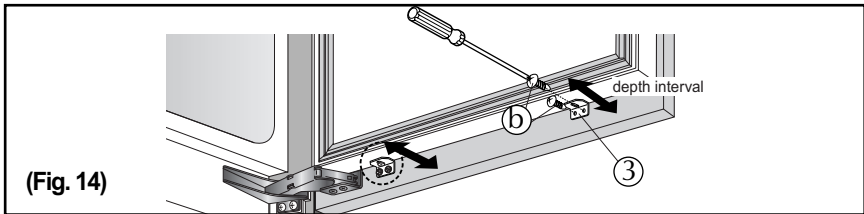
6. Order of Installation

4) Work Related with the Freezer Door

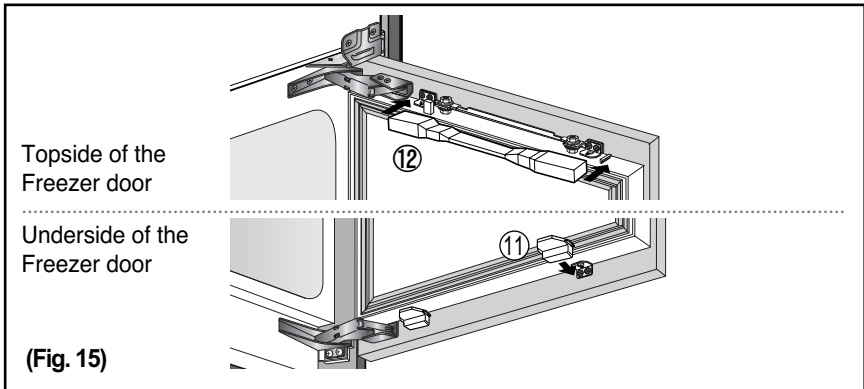
17. After positioning the depth adjust bracket ④ as in Figure 13, fix it with the hinge adjust screw ② (2 places) and then fix it with the top bracket bolting screw ③ (4 places) (See Figure 13).



18. After inserting the wood bolting screw ⑤ (4 places) into the depth adjust bracket ③, move the integrated door panel to the depth direction and adjust the interval to 4mm (see Figure 12). (See Figure 14).



19. Install the top bracket cover ⑫ of the integrated door panel on the top side of the freezer door, and install the depth adjust bracket cover ⑪ on the underside of the freezer (See Figure 15).

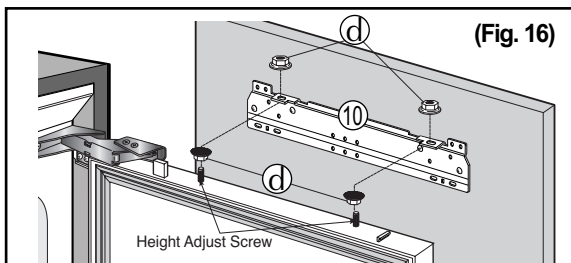


6. Order of Installation

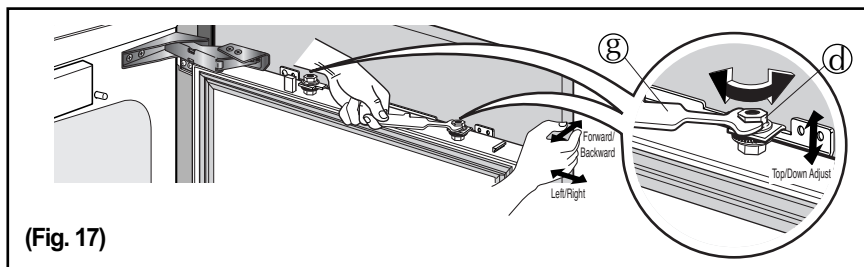
5) Work Related with the Fridge Door

20. After inserting the height adjust nut ㉑ (2 places) into the height adjust screw, hang the top bracket ⑩ of the integrated door panel on the height adjust screw on the top part of the refrigerator door. Loosely tighten the height adjust nut ㉑ (2 places) (See Figure 16).

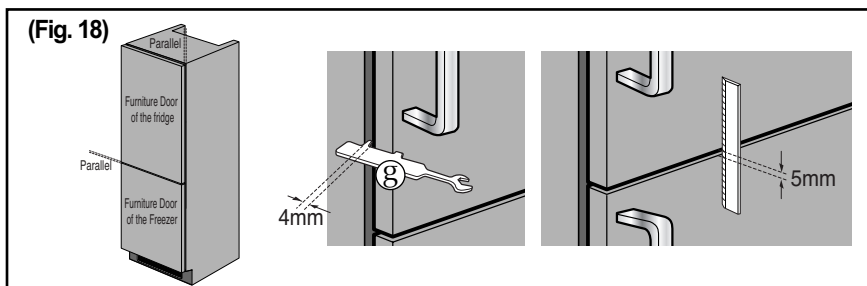
! Perform work with care since you may be injured or the integrated door panel of the fridge is damaged because the hole is unmatched when installing the integrated door panel of the fridge.



21. Move the integrated door panel to the left or right and adjust the left/right interval uniformly after checking the integrated door panel and the door of the fridge are parallel (See Figure 17). (Move position of the height adjust nut ㉑ for adjustment up or down when they are not parallel)



22. Adjust depth interval between the integrated door panel and the front part of the cabinet to 4mm. Adjust interval between the integrated door panel of the freezer and the integrated door panel of the fridge to 5mm. Securely tighten the loose height adjust nut ㉑ after adjustment.
23. Check the size by using the spanner ㉒ (See Figure 18). Specially, check the interference between the fridge door and the freezer door(or freezer hinge).

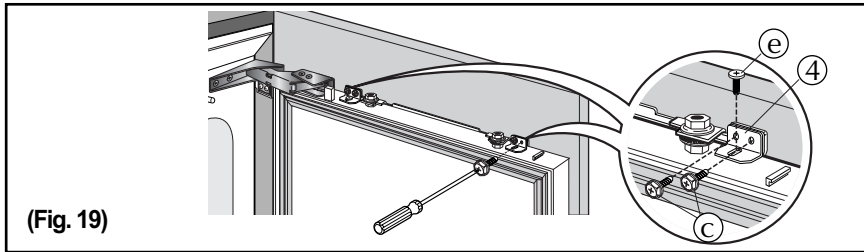


24. Start work from Step No. 22 again after releasing the ㉑ height adjust nut where the size is not matched. And adjust height of the fridge door with ㉑ when interference occurs between the fridge door and the freezer door(or freezer hinge)

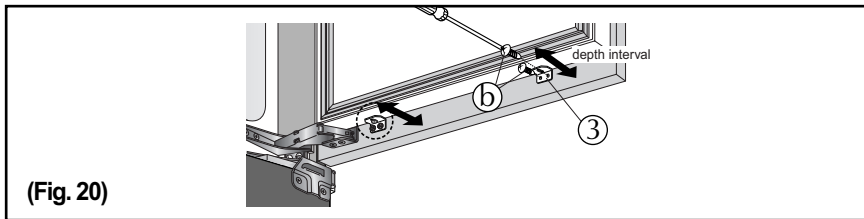
6. Order of Installation

5) Work Related with the Fridge Door

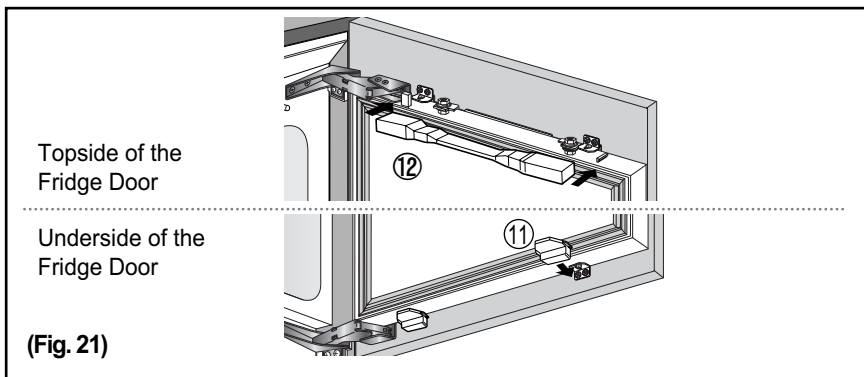
25. After positioning the depth adjust bracket ④ as in Figure 19, fix it with the hinge bolting screw ⑥ (2 places) and then fix it with the top bracket bolting screw ③ (4 places) (See Figure 19).



26. After bolting the wood bolting screw ⑤ (4 places) to the height adjust bracket ③, move the integrated door panel to the depth direction and adjust the interval to 4mm (see Figure 12). (See Figure 20).



27. Install the top bracket cover ⑫ on the top side of the fridge, and cover the depth adjust bracket cover ⑪ on the underside of the fridge (See Figure 21).



6. Order of Installation

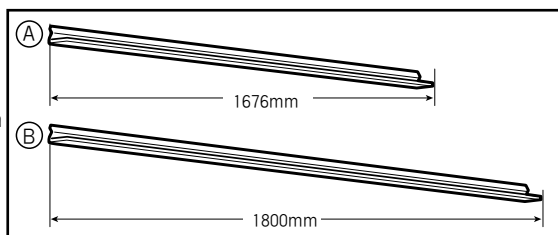
6) Installation Check and Finishing Work

28. Insert the hinge front cover **15** into the front part inside the hinge (4 places).

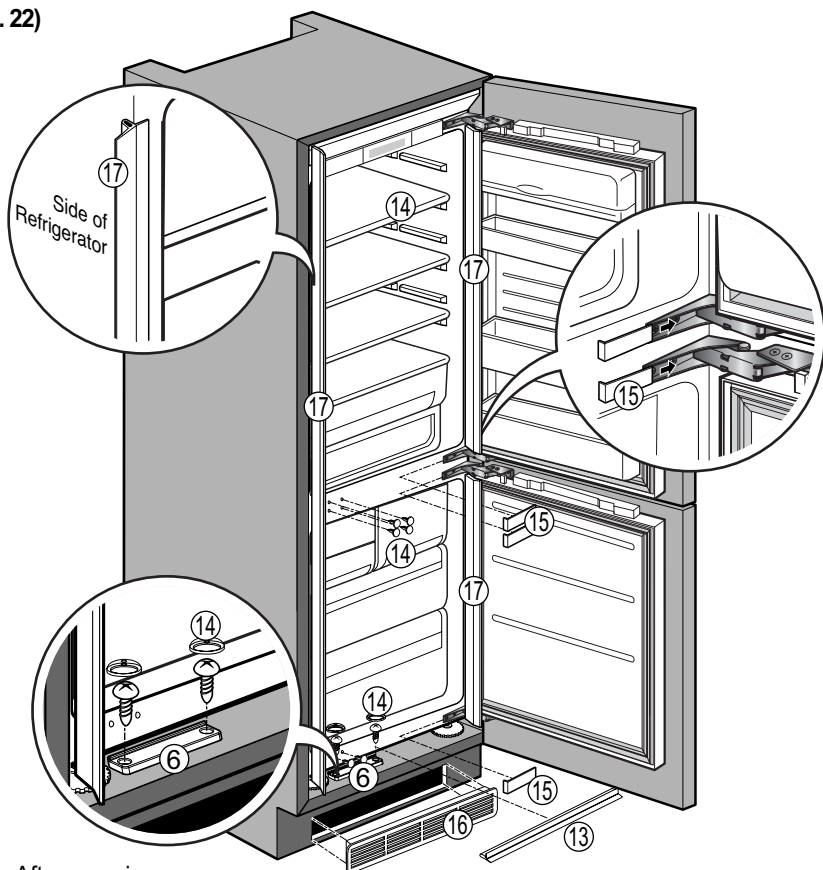
29. Insert the air path cover **16** into the square cloth support.

30. After cutting the gasket **17** to suit the interval, attach it as in Figure 22, use the gasket **A** on the hinge side, the gasket **B** on the opposite side of hinge.

31. Insert the cap screws **14** as in Figure 22 (6 places).



(Fig. 22)



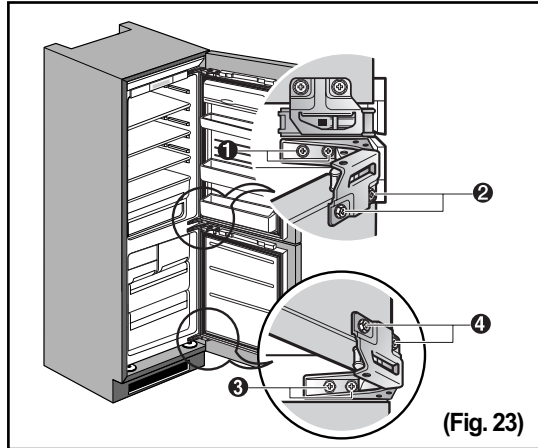
After securing screws,
cover the cap screw.

6. Order of Installation

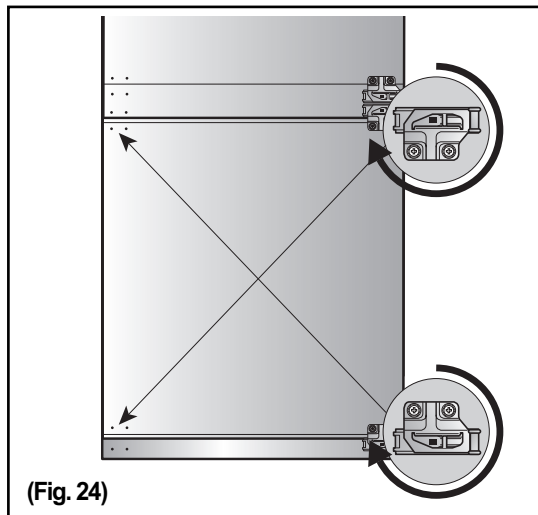
7) Change of Door Open Direction of Refrigerator

※ Perform work for changing the door before installation.

1. Loosely release the screws ①, ③ of the hinge on the case part of the freezer and then separate the door by pushing it to the right (See Figure 23).
2. Release the screws No. ①, ③ completely and then fix them loosely to the reverse side (See Figure 24)
3. Separate the hinge by releasing the No. ②, ④ bolt to the door.
4. Move the separated hinges (Figure 24) diagonally and fix it to the door by turning the hinge by 180°.



5. Push the hinge from the left side to the right side to ensure that the door hinge and the screws are fixed to the case match.
6. Adjust the top/down or the left/right interval of the refrigerator door so that leaning should not occur to either side, and then tighten screws.
7. If the hinge bolting is completed, insert the ⑭ cap screws at the opposite side of the hinge (6 places).



※ Same as above order for change of the door open direction of the fridge door.

