

metos

Cabin Refrigerator

Metos Marine BCD-215V

Installation and Operation Manual



To ensure proper use of this appliance and your safety, please read the instruction manual completely before operating this appliance.

18.4.2016

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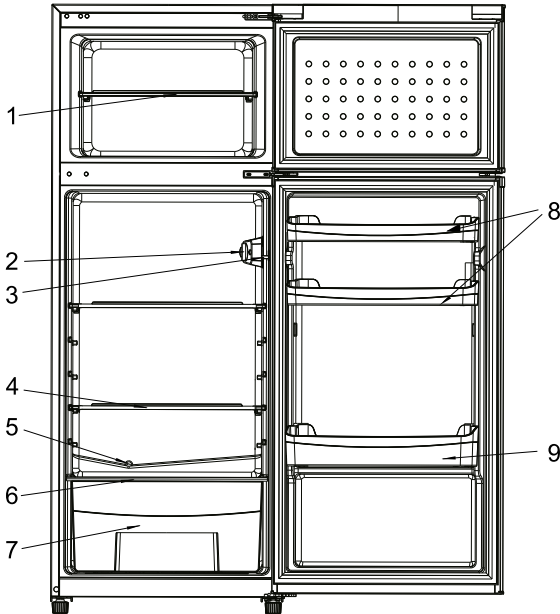
CONTENTS

Names of the parts	1
Safety warnings	2
Installation instructions	3
Operation instructions.....	3
Packing and moving.....	4
Maintenance.....	4
Defrost.....	5
Disconnecting the appliance.....	5
User notifications.....	6
Troubleshooting tips.....	6
Specifications and parameters.....	7
Packing list.....	8

Electrical diagram, Installation drawing, Door exchange

- Thank for purchasing our products and thank you for placing your confidence in us.
- Please read this manual carefully before using. Follow instructions and keep it for future reference.
- Please follow the operating instructions and safety notices in the manual.
- If any trouble arise, do not fix it yourself or hand it to the after sales service center which has not been authorized. Please contact the local authorized service center.

NAMES OF THE PARTS



- | | |
|-------------------------------------|------------------------|
| 1.Freezer shelf | 6.Crisper glass cover |
| 2.Lamp and temperature control knob | 7.Vegetable crisper |
| 3.Lamp switch | 8. Middle bottle guard |
| 4.Glass shelf | 9. Big bottle guard |
| 5.Drain tube plug | |

- The refrigerator you purchased may be improved, which maybe not completely consistent with the manual, However the functions and operating methods will not change. Please feel free to use!
- If you use the refrigerator for the first time, remove the adhesive tapes of the drawers, balconies, egg tray, and the drain tube plug.
- Do not pull or push the drawers and balconies fiercely during use in case of damage.
- Adjusted the temperature control as higher as you could accept, which will save the energy consumption of the refrigerator and your money;
- Don' t open the refrigerator door continually if it is in the normal working situation.
- Keep the combination of drawers, baskets and shelves of the refrigerator is consistent with its original standard.

SAFETY WARNINGS

For ensure your personal safety, please follow the points below:

1. The circuitry for refrigerator must be isolated. The area of cross section of wire must be larger than 0.75mm^2 . The power plug should have its own socket, the socket must be ground as adapter may cause the socket to overheat.
2. The voltage of this product should be 220 - 240VAC, 50/60Hz.
3. Do stop the power only by pulling the power plug out of the socket directly but not by the wire.
4. Do not damage the refrigerant circuit.
5. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
6. Children should be supervised to ensure that they do not play with the appliance.
7. Keep ventilation opening, in the appliance enclosure or in the built in structure, clear of obstruction.
8. 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.
9. Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance. This appliance is intended to be used in household and similar applications such as
 - staff kitchen areas in shops, offices and other working environments;
 - farm houses and by clients in hotels, motels and other residential type environments;
 - bed and breakfast type environments;
 - catering and similar non-retail applications.
10. Do not use electrical appliance inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacture.

NOTICE:

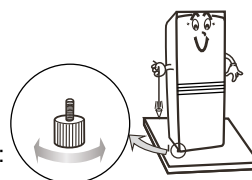
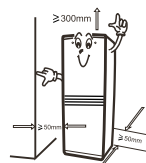
1. When gas leaks from its container, don't pull the plug, out or in, for it may arouse sparks and fire calamities.
2. Don't splash water on the rear of the appliance, for it may cause malfunction or electric shock.
3. Don't place bottled beverage in the freezer, so as to prevent breaking.
4. Don't store inflammable materials such as ether, benzene, LP gas and glue etc in the refrigerator.
5. It is better not place object on the top of appliance which is magnetic, heavy, or be filled with water. Electronic components may not work steadily if water gets inside. Do not store object which is costly or impressible to temperature and , e.g. serum, bacterin and so on.

6. **DISPOSAL:** Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.



INSTALLATION INSTRUCTIONS

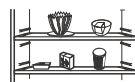
- The refrigerator should be located in a completely flat surface, Leave 5~10 cm between each side of the appliance and the wall, and leave 30 cm between the top of the appliance and the ceiling.
- Choose a location which is not exposed to sunlight, high temperature or humid, as humidity may cause stain.
- Pulled out the bottom panel before installation.
- The appliance can be adjusted by rolling its two legs in front the bottom when it is unstable. Rolling in clockwise can rise up the machine.
- The location should be firm and flat. An un-securely position may cause noise and vibration:
 - The noise may be increased if the floor is not firm.
 - Put a sheet under the appliance for solving the heat emission if you need to locate it onto a carpet.
- Make sure the adjustable legs are clung to the floor, and set the appliance slope backward slightly for keeping the doors closed tightly.



OPERATION INSTRUCTIONS

PLACEMENT OF FOOD

- There should always be some space between items inside for air circulation.
- Food should be kept in sealed package to avoid becoming dry or with odour.
- Hot food should be cooled down before placing into the appliance. Otherwise, interior temperature and electronic consumption will increase.
- Reduce the frequency of door opening can efficiently low down the electronic consumption.



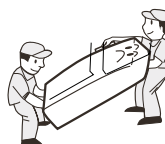
Warning: Do not use any electronic equipment inside the appliance.

INSTRUCTION FOR USAGE

The temperature of refrigerator can be controlled manually by the knob. Turn the knob to state COLD when it is normal used, turn it to the state during COLD-COLDEST if a lower interior temperature is required; Contrarily, to the state during COLD-COOL, when a higher one is needed.

PACKING AND MOVING

1. Unpack , repack and carry
Please memorize the position of each accessory of the appliance when unpack it, repack the product and check it carefully before transportation.



2. Do not lift or pull the door or the door handle during transportation

3. When moving, the appliance can not be sloped over 45 degrees (the angle to the vertical direction). Please avoid strong vibration and hit.



MAINTENANCE

The appliance should be maintained and cleaned frequently. For your safety, do please pull the plug out of the socket before the cleaning..

1. Interior maintenance.
Clean the interior of the appliance with clean water or neutral abluent. Scour it with clean water and wipe it with a piece of dry cloth.
2. Maintenance of door gasket.
It is easy to damage if the door gaskets are polluted by the stain like oil, sauce and etc., so it is better to clean them carefully.
3. Outer maintenance.
Wipe the dusty with a piece of dry cloth ,clean it with neutral abluent if necessary.

DEFROST

The heavy frost will effect the refrigerating of the appliance and increase the energy consumption. Thus, defrosting is needed as the frost is as thick as 5 mm. Processes of the manual defrost are listed as following: take all the food out of the compartment; uninstall the drawers and shelves; unplug the electronic power cord; open the doors and wait for the thaw; wipe up the water with dry cloth.

Warning: Do not use any other equipment or method to push the defrost process. It may destroy the cooling system.

DISCONNECTING THE APPLIANCE

After power failure, even in summer, the refrigerator can store food normally in several hours.

1, Discontinuation during power failure

After power failure, do not put additional food in the appliance and reduce the frequency of door opening.

Make several ices in a container if know the power failure beforehand, and put it in the top of the fridge. .

2, Discontinuation during vacation

Please fetch out the easy-rot food and the food in fridge before shot vacation. After confirmation, close the door firmly.

If have a long vacation, please fetch out all the food and cut off the power. After defrosting, clean up the liner of the appliance and wipe it dry, and leave the door open.

3, Stop using

If the refrigerator may be stopped using for a long time, please unplug the outlet and clean up the appliance. The door should be kept open in order to prevent unpleasant smell caused by food leavings.

Attention:In a general condition, do not stop the appliance in case of affecting its life. After unplugging the power, please leave at least 5 minutes before resumption.

USER NOTIFICATION

1. Do not splash water on the refrigerator, as it will cause oxidation and malfunction. Electronic component such as on/off button should be wiped dry.

USER NOTIFICATIONS

1. Do not splash water on the refrigerator, as it will cause oxidation and malfunction. Electronic component such as on/off button should be wiped dryly.
2. Cleansers such as soap powder, abrasive cleaning powder, alkali cleansers, chemical cloth, thinner, alcohol, acid petroleum product and hot water should not be used to clean the refrigerator as they may damage the painted cover and plastics.
3. Smear can damage the interior plastic component, so wipe it as soon as possible.
4. Please check the points below after maintenance:
 - (1) Is there any damage or loss of the electronic wire ?
 - (2) Can the plug be put in the socket reliably and smoothly?
 - (3) Is the plug heating unconventionally?

Warning: Please get rid of the gasket of the door before the disposal. The disposed apparatus should be handled by professional staff, as it may be harmful to the environment.

TROUBLE SHOOTING TIPS

1. The refrigerator does not work
It may not be connected to the power supply(plug, power cut or fuse);
Voltage is too low.
2. The refrigerator does not work efficiently as expected
It may be caused by heavy frost, or by warm temperature setting, or by frequently door operating.
3. It makes unusual noise
It may be caused by an imbalance or loose ground locating the appliance, or by resonation between the appliance and other ambient objects.
4. The compressor keeps working for a long period
The environment temperature may be too high. The doors may be opened frequently or even they are left open. The temperature control knob setting in (4-7) state may increase the working time of compressor.
5. Disgusting odour happens
Food with strong odour should be packed tightly before being put inside the appliance. Please check whether there is any deteriorated item or whether the liners are left dirty for a long time.
6. Water leaks from the bottom of the refrigerator
The drain tube is jammed. Please use a proper tool to solve it.
7. Heavy frost occurs on the rear of the appliance
Putting humid or hot food into the appliance may cause this problem. Or it may be caused by the heavy environment moisture.

The follow cases are not malfunction

1. Moisture may form dew on the outside of the product during the

humid season, just get it wiped.

- 2.The flow of refrigerant through the pipeline coil can cause a bicker.
- 3.It is normal that the sides of product get warm as a result of the cooling pipeline working.
- 4.The frame of the appliance will be warm during working by the defrost pipeline inside it.

Please check the points above first.

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

SPECIFICATIONS AND PARAMETERS

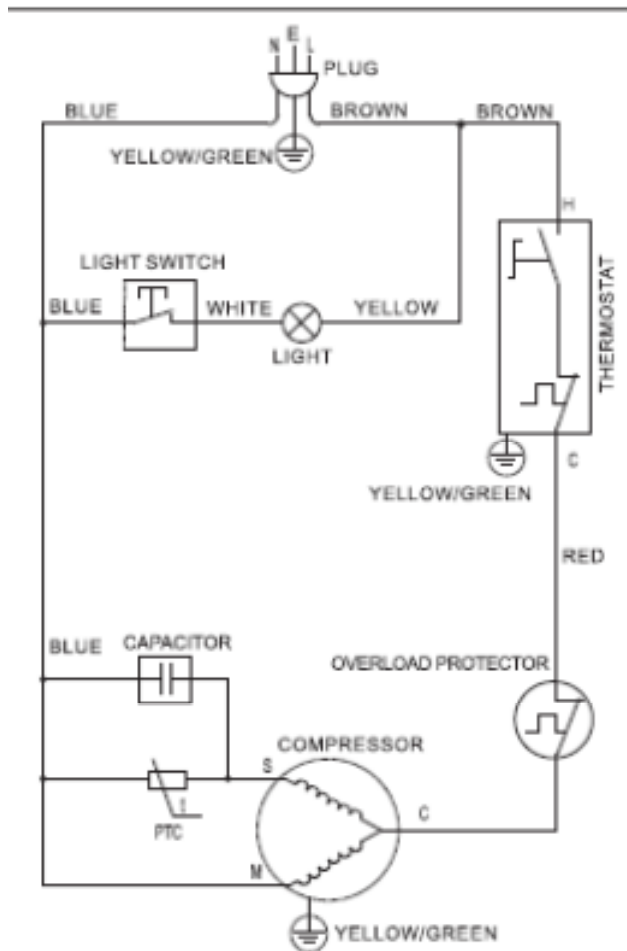
Model		BCD-215
Climate class		T
Electric shock protection type		I
Capacity (L)	Freezer	45
	Refrigerator	170
Voltage (V)		220 - 240
Frequency (Hz)		50 / 60
Current (A)		57
Voice [dB(A)]		≤ 42
Energy consumption (kW.h/24h)		0.83
Refrigerant		R600a/30g
Weight (Kg)		45
Interior temperature (°C)	Freezer	≤-18
	Refrigerator	0~8
Dimension (mm)	Width	549
	Depth	568
	Height	1421

PACKING LIST

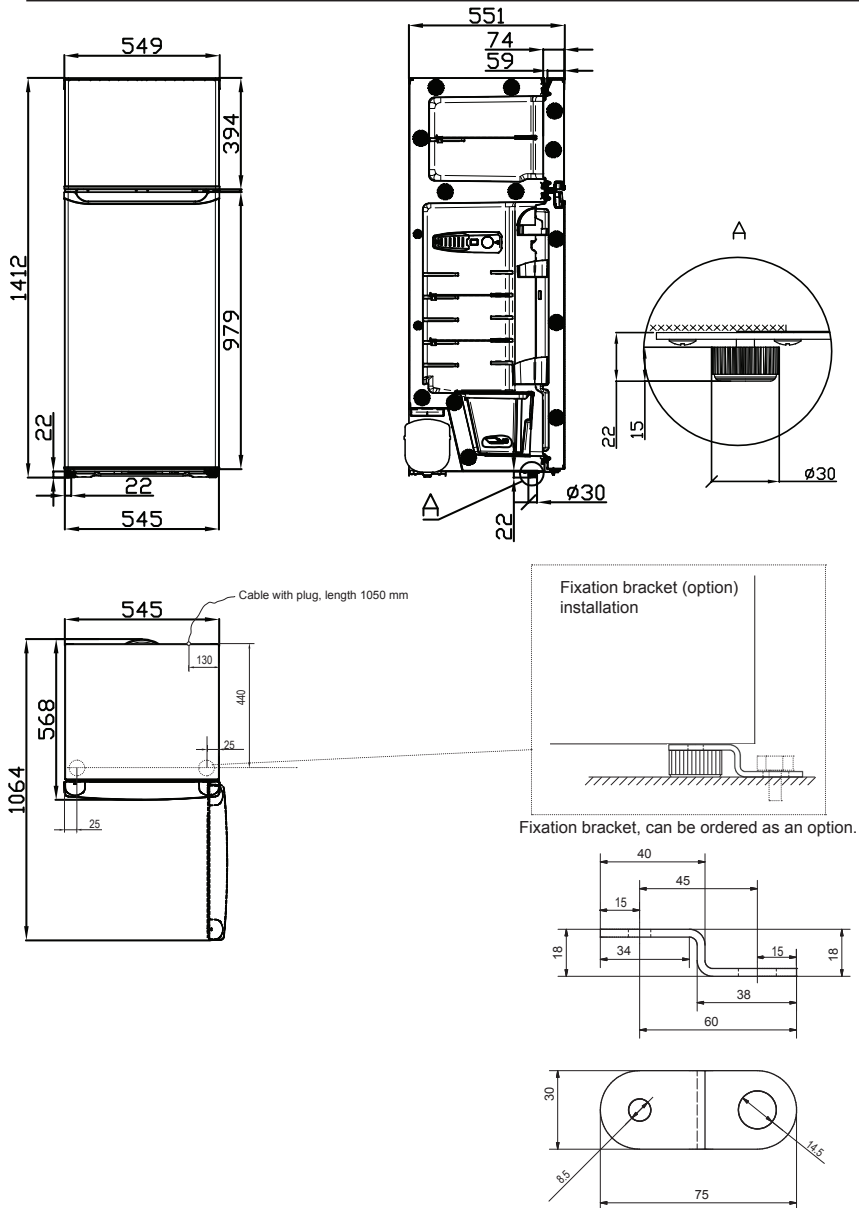
Parts \ Model	BCD-215V
Vegetable crisper	1pcs
Freezer shelf	1pcs
Glass shelf	2pcs
Drain tube plug	1pcs
Egg tray	1pcs
Variety guard	1pcs
Middle bottle guard	1pcs
Big bottle guard	1pcs
Crisper glass cover	1pcs
Owner's manual	1copy

Note: Products are subject to improve from time to time, any changes in parts without further notice.

Wiring diagram



INSTALLATION DRAWING



Model	Capacity (l)		Refrigerant	Electricity	Weight (kg)
BCD-215V	Gross	Net	R600a / 30g	220-240V~50/60Hz 0.96kw*h/24h 0.57A	45
	216	215			

MODIFICATION OF THE WAY OF OPENING THE DOOR

You can choose to open your refrigerator by the right side or the left one. To change the way of opening, please follow the below instructions.

Important safety warning: before doing so please unplug and disconnect the appliance.

Except the Accessories packed, you still need :

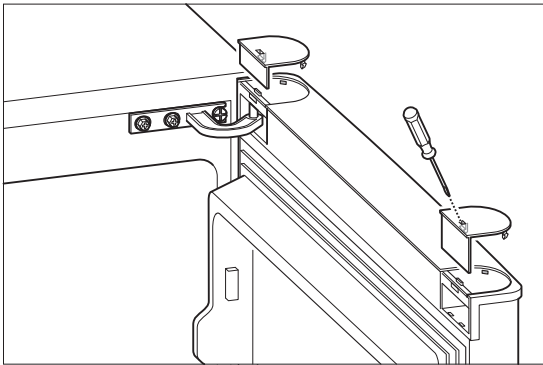
Medium-sized cross screwdriver

Small screwdriver

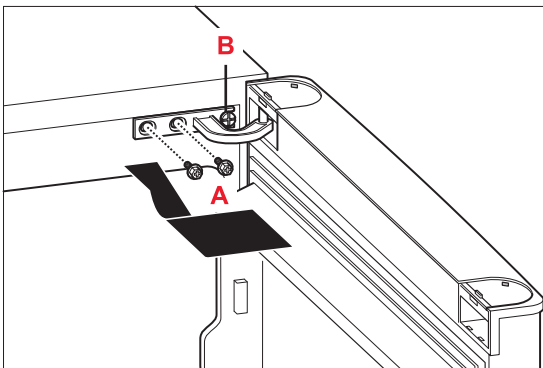
A solid line

One more person who can help you would be better.

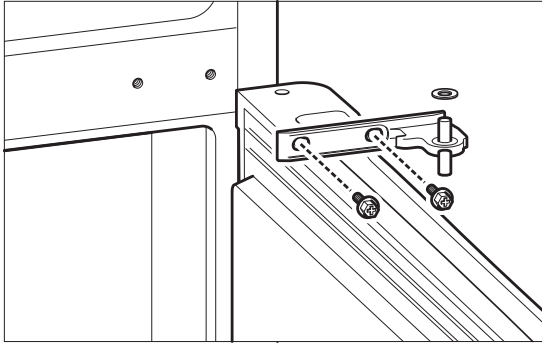
1. Firstly, you need to check if the power connects or not.
2. Open the upper door, and close the bottom door.



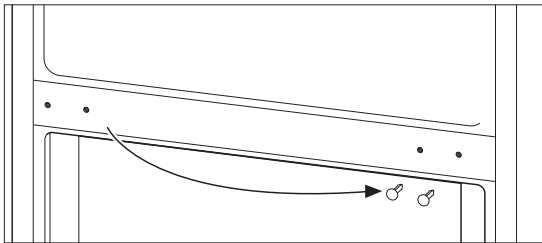
3. Take off the protective covers on both sides of the upper cover with a Phillips screwdriver through the back side, and save the protective covers.



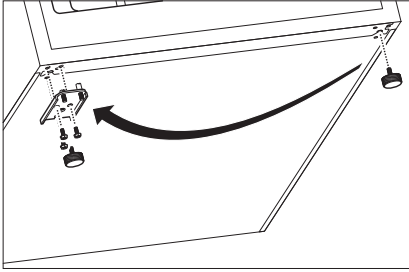
4. Take off the 2 shelf-tapping screws on the left side of door hinge, and save them.
5. Push the door and door hinge forward, remove the door and save it aside.
6. Take off the third shelf-tapping screw and save it.
7. Slightly tilted the upper hinge in order to remove it from the door.
8. Open the bottom door.



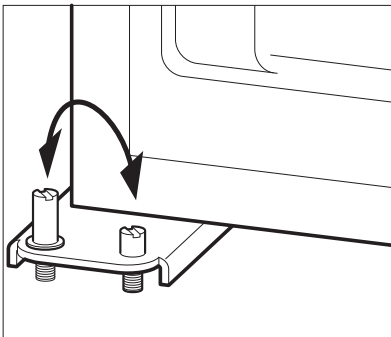
9. Take out the bottom door and save it.
10. Take off the 2 screws and save them.
11. Open the door in order to take off the bottom hinge and save it.
12. Remove the middle hinge.



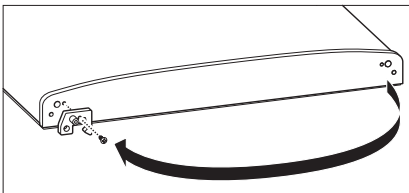
13. Use a solid plug around the hole to pull it out. Pull out the plug hole and save them in some space.



14. slightly backward the machine against the wall.
15. Take off the 2 fixed feet
16. Take off the bottom hinge.
17. Assemble the bottom hinge in the other side of the machine.
18. Fixed up the feet.

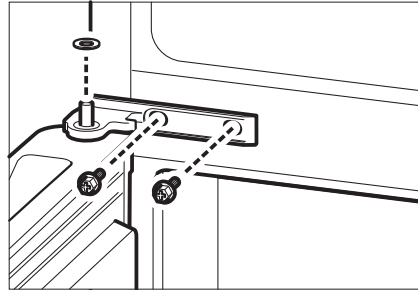


19. Exchange the 2 bolts and fixed them in the other sides.

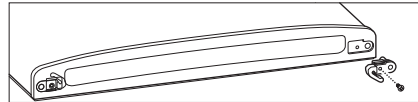


20. Remove the fixed plate of hinge on the bottom door, and fix it on the other side.

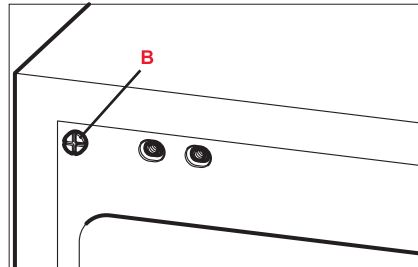
21. Fix up the bottom door on the outside bolts.



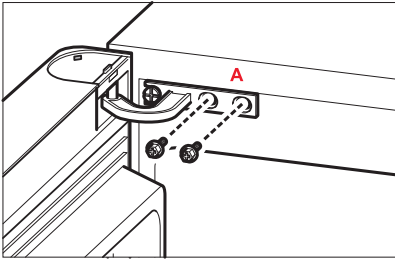
22. Fix up the middle hinge on the bottom door.
23. Put the bottom door into the left side in correct way.
24. Close the bottom door.



25. Take off the right closer and fix the left closer in the other side of the door.



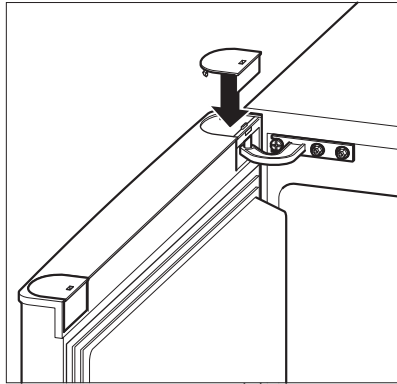
26. Put the self-tapping screws in the hinge on the door opening position but not fixed.



27. Fixed up the upper door in door bolt which is near the middle hinge.

28. Twist the upper hinge carefully inside the blank position of the door.

29. Fix up the upper hinge with screw B, and fix up the self-tapping screw A.



30. Assemble the protective box in the upper cover of the upper door.

30. Check all parts of the door if they are fixed up enough. You can use a paper insert inside every parts of the door related, see if the paper drop down easily, make sure the paper won't drop down.

31. If the tightness on every parts is uniformly, you can pull the obstructions by hand after hitting with hair-dryer in related parts which has problem.

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marine