

User Manual Book Refrigerator

RF 3150 TGSR
RF 3151 TGDS

RF 3651 THDS
RF 3652 THDS

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This guide book explains everything you need to know about your new product. Please contact our Customer Care should you need further assistance through www.modena.com.

PART 1: SAFETY INFORMATION

READ THIS MANUAL CAREFULLY!

Symbol	Type	Definition
	WARNING	Serious injury or death risk
	RISK OF ELECTRIC SHOCK	Dangerous voltage risk
	FIRE HAZARD	Risk of fire or flammable material
	CAUTION	Injury or property damage risk
	IMPORTANT	Important information on product operations

-  Keep the air ventilation open, if the appliance is set in enclosed space or in the built-in structure and clear from any obstructions.
-  Do not use electrical devices inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
-  Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
-  Do not damage the refrigerant circuit.
-  When positioning the appliance, ensure the supply cord is not trapped or damaged.
-  The refrigerant and insulation blowing agent inside the refrigerator need a special disposal procedure. Consult the disposal method with related parties.
-  Your refrigerator contains iso-butane refrigerant (R600a) in a small quantity. Make sure there is no damage or leakage. Refrigerant leakage may lead to fire or damage to your eyes. If

a leakage is detected, move the refrigerator away from the fire sources or any other potential sources which can cause fire.



WARNING! Do not place multiple portable socket or portable power supplies on the back of the appliance

- Do not use power socket adapter
- For products using Fixing Bracket



WARNING! To avoid a danger due to instability of the appliance, it must be fixed in accordance with the instructions.

- Opening the door for a long period of time can cause a significant increase of the temperature in the compartment of the appliance
- Clean the surfaces that contact with food directly and also the accessible drainage systems regularly
- Store raw meat and fish in suitable containers in the refrigerator, so that they do not contact with or drip onto other foods.
- If the refrigerating appliance is left empty for a long period of time; switch it off, defrost, clean, dry, and leave the door open to prevent mold from developing within the appliance
- While carrying and placing the refrigerator, do not damage the cooler gas circuit.
- 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 domestic applications
- If the socket does not match the refrigerator plug, it must be replaced by the manufacturer, a service agent or similar qualified persons in order to avoid accidents.
- A specially grounded plug has been connected to the power cord of your refrigerator. This plug should be used with a specially grounded power socket of 16 amperes. If there is no such socket available in your house, please have one installed by an expert authorized electrician.

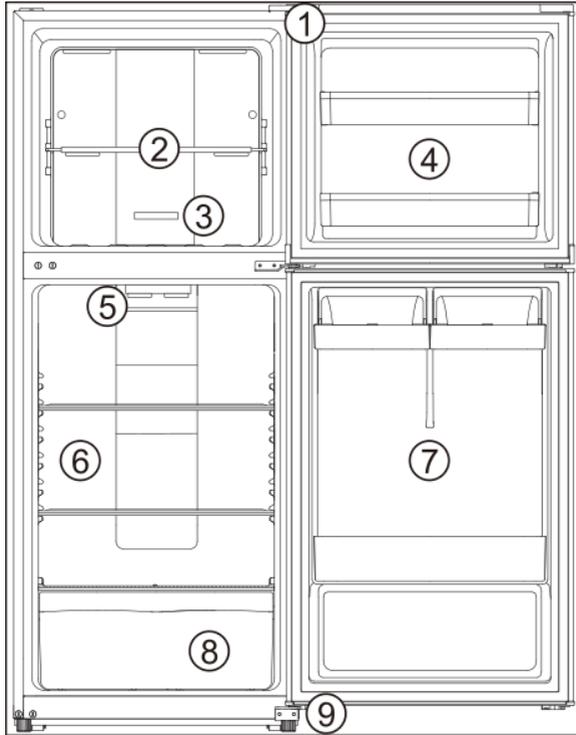
- Children are not allowed to perform cleaning or user maintenance of the appliance, very young children (0-3 years old) are not allowed to use appliances, young children (3-8 years old) are allowed to use appliances under surveillance, older children (8-14 years old) and vulnerable people can use appliances safely after they have been given appropriate surveillance or instruction concerning the use of the appliance and the risks that may occur. Very vulnerable people are not allowed to use appliances unless continuous surveillance is given.
- If the supply cord is damaged, it must be replaced by a technician an authorized service agent or similar qualified persons, in order to avoid danger.
- This appliance is not intended for use at altitudes higher than 2000 meters above the sea level.

Environmental Notice



The packaging material used is recyclable. We recommend that you separate plastic, paper and cardboard and give them to recycling agents. To help preserve the environment, the refrigerant used in this product is iso-butane (R600a), [REDACTED] which does not affect the ozone layer and has little impact on the greenhouse effect. According to WEEE (Waste of Electrical and Electronic Equipment) guidelines, waste from electrical and electronic devices should be collected separately. If you need to remove of this appliance in the future, do not throw it away with the rest of your domestic garbage. Instead, please take the appliance to the nearest WEEE collecting agents, where available.

PART 2: NAME OF PARTS



- | | |
|--------------------------------|-------------------------------|
| 1. Door Hinge | 5. Fridge Temperature Control |
| 2. Freezer Shelf | 6. Fridge Shelf |
| 3. Freezer Temperature Control | 7. Fridge Door Basket |
| 4. Freezer Door Basket | 8. Crisper Drawer |
| | 9. Adjustable Feet |

**Above picture is only for reference. Actual feature and parts may vary depending on the model*

PART 3: INSTALLATION GUIDE

Before First Use

- Remove all packages, including the foam backing at the bottom of refrigerator and the tapes fixing accessories in the box.
- Place the refrigerator to a proper position, and adjust the feet to level. It is better to clean the refrigerator before use.

Moving the Appliance

- Do not carry the refrigerator horizontally or reversely
- Do not carry the refrigerator by holding the door or handle; the refrigerator shall be carried by lifting the bottom.



Installation Environment

- Keep away from heat sources or direct sunlight
- The refrigerator must be placed on a hard and flat ground
- The refrigerator shall be kept away from damp locations where water is easy to splash; water or dirt shall be removed with soft cloth timely to prevent rusting which may have an effect on the electrical characteristics.
- Place the refrigerator in a well-ventilated place, reserve a certain space around and behind the refrigerator, and do not cover or block the air grille on the rear cover plate of compressor at the back of refrigerator
- Provide space as illustrated in the picture below

Feet Adjustment

- Please make sure to adjust two front plastic feet until the height is suitable
- Turn the feet clockwise to heighten them or rotate the feet counterclockwise to lower them until the desired height.

PART 4: HOW TO USE

Smart Digital Control

(for RF 3150 TGSR, RF 3151 TGDS)



Temperature can be adjusted by pressing the SET key. In the case of temperature adjustment, the indicator light of the corresponding temperature mode will flash; and if no key is pressed within 5 seconds, the setting will be validated. The temperature adjustment cycles in the following manner: 3 → 2 → 1 → FAST COOL → 5 → 4 → 3

Fast Cool

The refrigerator temperature is cooled down in a quick manner, so as to preserve food nutrition and fresh taste.

The Fast Cool function keeps working for a maximum period of 30 hours. After that, it will automatically stop, with the temperature mode restored to the setting before the Fast Cool function is enabled.

Failure Alarm

When the indicator light of Mode 5 or Mode 3 or Mode 1 keeps flashing, it indicates refrigerator failure. Please contact the Service Center as soon as possible.

Mechanical Control

(for RF 3651 THDS, RF 3652 THDS)

The fridge temperature can be adjusted by turning the knob switch.

1. The temperature gradually decreases as you dial the temperature control knob switch from the position "1" to "7".
2. For recommended use, set the knob to the position "4"
3. When you need fast cooling in the compartment, dial the temperature control knob switch in the Coldest direction, so as to extend the compressor running time



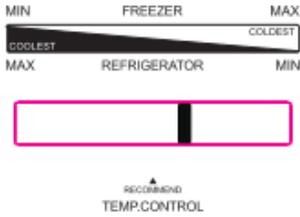
IMPORTANT!

It is not recommended to set the temperature control knob at the "Coldest" position for a long time.

CAUTION!

When you set a temperature, you set an average temperature for the whole refrigerator cabinet. Temperatures inside each compartment may vary from the temperature values displayed on the panel, depending on how much food you store and where you place them. Ambient temperature may also affect the actual temperature inside the appliance.

Freezer Temperature Setting



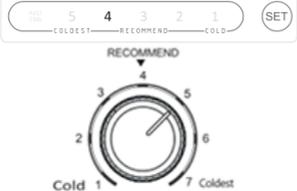
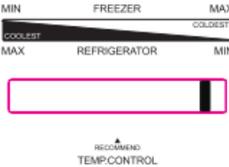
- When the temperature mode keeps unchanged, adjust the slider from left to right, the fridge temperature will increase while the freezer temperature will decrease.
- When the temperature mode keeps unchanged, adjust the slider from right to left, the fridge temperature will decrease while the freezer temperature will increase.

- It is recommended to adjust the slider in the middle position. When the user needs a lower freezer temperature, adjust the slider to the right properly, then the freezer temperature decreases while the fridge temperature rises. When the temperature meets the requirement, adjust the slider back to the middle position again in a timely manner.

Combination Setting

The fridge and freezer setting should be used in below recommended combination.

Ambient Temperature	Fridge Temperature Control	Freezer Temperature Control
Higher than 35°C		
16°C-35°C		

Ambient Temperature	Fridge Temperature Control	Freezer Temperature Control
Lower than 16°C		

NOTE!

- It is recommended to set at the middle point.
- The temperature combination setting can be adjusted as recommended in the table in case of change to the ambient temperature around the refrigerator

First use

Cleaning the interior

Before using the appliance for the first time, wash the interior and all internal accessories with lukewarm water and some neutral soap so as to remove the typical smell of a brand new product, then dry thoroughly.

Daily Use

Freezing Fresh Food

- The freezer compartment is suitable for freezing fresh food and storing frozen and deep-frozen food for a long time.
- Place the fresh food to be frozen in the bottom compartment.
- The maximum amount of food that can be frozen in 24 hours is specified on the rating plate.
- The freezing process lasts 24 hours: during this period do not add other food to be frozen.

Storing Frozen Food

When first starting-up or after a period out of use. Before putting the product in the compartment let the appliance run at least 2 hours on the higher settings.

IMPORTANT!

In the event of accidental defrosting, for example the power has been off for longer than the value shown in the technical characteristics chart under “rising time”, the defrosted food must be consumed quickly or cooked immediately and then re-frozen (after cooked).

Thawing

Deep-frozen or frozen food, prior to be used, can be thawed in the freezer compartment or at room temperature, depending on the time available for this operation. Small pieces may even be cooked still frozen, directly from the freezer. In this case, cooking will take longer.

Food Storage Tips

Refrigerator

- To reduce humidity and avoid the consequent formation of frost, always store liquids in sealed containers in the refrigerator. Frost tends to concentrate in the coldest parts of the evaporating liquid and, in time, your appliance will require more frequent defrosting.
- Never place warm food in the refrigerator. Warm food should be allowed to cool at room temperature and should be arranged to ensure adequate air circulation in the refrigerator compartment.
- Make sure no items are in direct contact with the rear wall of the appliance as frost will develop and packaging will stick to it. Do not open the refrigerator door frequently.
- We recommend that meat and clean fish are loosely wrapped and stored on the glass shelf just above the vegetable bin where the air is cooler, as this provides the best storage conditions.
- Store loose fruit and vegetable items in the crisper containers. Storing fruit and vegetables separately helps prevent ethylene-sensitive vegetables (green leaves, broccoli, carrot, etc.) being affected by ethylene releasing fruits (banana, peach, apricot, fig etc.).
- Do not put wet vegetables into the refrigerator.

- Storage time for all food products depends on the initial quality of the food and an uninterrupted refrigeration cycle before refrigerator storage.
- To avoid cross-contamination do not store meat products with fruit and vegetables. Water leaking from meat may contaminate other products in the refrigerator. You should package meat products and clean any leakages on the shelves.
- Do not put food in front of the air flow passage.
- Consume packaged foods before the recommended expiry date.
- See Food Storage Guide in Appendix

NOTE!

Potatoes, onions and garlic should not be stored in the refrigerator. The table below in the Appendix is a quick guide to show you the most efficient way to store the major food groups in your refrigerator compartment.

Freezer

- The freezer is used for storing frozen food, freezing fresh food, and making ice cubes
- For freezing fresh food; wrap and seal fresh food properly, that is the packaging should be air tight and shouldn't leak. Special freezer bags, aluminum foil polythene bags and plastic containers are ideal.
- Do not store fresh food next to frozen food as it can thaw the frozen food.
- Before freezing fresh food, divide it into portions that can be consumed in one sitting.
- Consume thawed frozen food within a short period of time after defrosting
- Never place warm food in the freezer compartment as it will thaw the frozen food.
- Always follow the manufacturer's instructions on food packaging when storing frozen food. If no information is provided food, should not be stored for ore than 3 months from the date of purchase.

- When purchasing frozen food, make sure that it has been stored under appropriate conditions and that the packaging is not damaged.
- Frozen food should be transported in appropriate containers and placed in the freezer as soon as possible
- Do not purchase frozen food if the packaging shows signs of humidity and abnormal swelling. It is probable that it has been stored at an unsuitable temperature and that the contents have deteriorated.
- The storage life of frozen food depends on the room temperature, the thermostat setting, how often the door is opened, the type of food, and the length of time required to transport the product from the shop to your home. Always follow the instructions printed on the packaging and never exceed the maximum storage life indicated.
- The maximum amount of fresh food (in kg) that can be frozen in 24 hours is indicated on the appliance label.
- See Food Storage Guide in Appendix

NOTE!

If you attempt to open the freezer door immediately after closing it, you will find that it will not open easily. This is normal. Once equilibrium has been reached, the door will open easily.

IMPORTANT!

- Never refreeze thawed frozen food.
- The taste of some spices found in cooked dishes (anise, basilica, watercress, vinegar, assorted spices, ginger, garlic, onion, mustard, thyme, marjoram, black pepper, etc.) changes and they assume a strong taste when they are stored for a long period of time. Therefore, add small amounts of spices to food to be frozen, or the desired spice should be added after the food has thawed.
- The storage time of food is dependent on the type of oil used. Suitable oils are margarine, calf fat, olive oil and butter. Unsuitable oils are peanut oil and pig fat.
- Food in liquid form should be frozen in plastic cups and other food should be frozen in plastic folios or bags.

PART 5: MAINTENANCE



Disconnect the unit from the power supply before cleaning.



Do not wash your appliance by pouring water on it.



Do not use abrasive products, detergents or soaps for cleaning the appliance.

After washing, rinse with clean water and dry carefully. When you have finished cleaning, reconnect the plug to the mains supply with dry hands.

- Make sure that no water enters the lamp housing and other electrical components.
- The appliance should be cleaned regularly using a solution of bicarbonate of soda and lukewarm water.
- Clean the accessories separately by hand with soap and water. Do not wash accessories in a dish washer.

- Clean the condenser with a brush at least twice a year. This will help you to save on energy costs and increase productivity.



The power supply must be disconnected during cleaning!

Defrosting

- Your appliance performs automatic defrosting. The water formed as a result of defrosting passes through the water collection spout, flows into the vaporization container behind your appliance and evaporates there.
- Make sure you have disconnected the plug of your appliance before cleaning the vaporization container.
- Remove the vaporization container from its position by removing the screws as indicated. Clean it with soapy water at specific time intervals. This will prevent odors from forming.

LED Lamp Replacement

If your appliance has LED lighting contact the help desk as this should be changed by technician.

PART 6: TROUBLESHOOTING

Problem	Possible Cause	Recommended Action
Refrigerator does not operate	<ul style="list-style-type: none"> • The mains plug of the appliance is not in the socket properly • The fuse for the domestic supply is switched off 	<ul style="list-style-type: none"> • Check whether the power is on; • The fuse must be switched on.
No display on the display panel	<ul style="list-style-type: none"> • The mains plug of the appliance is not in the socket properly • The fuse for the domestic supply is switched off 	<ul style="list-style-type: none"> • Check whether the power is on; • The fuse must be switched on.

Problem	Possible Cause	Recommended Action
Alarm sound	<ul style="list-style-type: none"> • Door is slightly open or not close more than 1 minute 	<ul style="list-style-type: none"> • Close the door completely.
The food is not frozen enough	<ul style="list-style-type: none"> • Temperature is not properly adjusted • Door was opened for an extended period • A large quantity of warm food was placed in the appliance within the last 24 hours • The appliance is near a heat source 	<ul style="list-style-type: none"> • Please look in the initial temperature setting section • Open the door as long as necessary • Adjust the temperature to colder setting temporarily • Please look in the installation section
The compressor do not work	<ul style="list-style-type: none"> • It is under defrosting mode • Power is not connected well 	<ul style="list-style-type: none"> • It is normal for defrosting • Check whether the power is connected well.
Compressor runs too long	<ul style="list-style-type: none"> • The fridge has recently been disconnected for a period of time • Put too much fresh or hot food • Doors are opened too frequently or too long 	<ul style="list-style-type: none"> • It takes some hours for the fridge to cool down completely. • Hot food will cause the fridge to run longer until the desired temperature is reached. • Warm air entering the fridge cause it to run longer. Open the door less often.
Vibrations	<ul style="list-style-type: none"> • Floor is uneven or weak. Refrigerator rocks on the floor when it is moved slightly. • The refrigerator is touching the wall. 	<ul style="list-style-type: none"> • Check to assure that the refrigerator is on a level surface. • Re-level the refrigerator and move it from the wall

PART 7: SPECIFICATION

Model	RF 3150 TGSR	RF 3151 TGDS
Type	Top Freezer	Top Freezer
No. of doors	2	2
Defrosting	Automatic	Automatic
Compressor	Heavy Duty Compressor	Heavy Duty Compressor
Refrigerant	R600a/43g	R600a/43g
Interior light	LED	LED
Control Panel	Smart Digital Control	Smart Digital Control
Ice Maker	General Ice Tray	Twist Ice Maker
Total Capacity (Liter)	315	315
Defrost power input (Watt)	180	180
Rated Voltage (Volt)	220-240	220-240
Rated Frequency (Hz)	50	50
Product dimension (W×D×H)(mm)	595 × 670 × 1520	595 × 670 × 1520

Design and specification can change without prior notice to improve the quality of the product. The illustration in this manual is schematic and can be different with your actual product. The values on label or in other documents are according to laboratory test and relevant standards. Values can vary depending on the actual operational and environmental condition of the product.

Model	RF 3651 THDS	RF 3652 THDS
Type	Top Freezer	Top Freezer
No. of doors	2	2
Defrosting	Automatic	Automatic
Compressor	Intelligent Inverter Compressor	Intelligent Inverter Compressor
Refrigerant	R600a/49g	R600a/49g
Interior light	LED	LED
Control Panel	Mechanical	Mechanical
Ice Maker	Twist Ice Maker	Twist Ice Maker
Total Capacity (Liter)	365	365
Defrost power input (Watt)	180	180
Rated Voltage (Volt)	220-240	220-240
Rated Frequency (Hz)	50	50
Product dimension (WxDxH)(mm)	595 × 685 × 1700	595 × 685 × 1700

Design and specification can change without prior notice to improve the quality of the product. The illustration in this manual is schematic and can be different with your actual product. The values on label or in other documents are according to laboratory test and relevant standards. Values can vary depending on the actual operational and environmental condition of the product.

APPENDIX 1: FOOD STORAGE GUIDE

Meat & Fish	Preparation	Maximum storage time (months)
Steak	Wrap in foil	6-8
Lamb meat	Wrap in foil	6-8
Veal roast	Wrap in foil	6-8
Veal cubes	In small pieces	6-8
Lamb cubes	In pieces	4-8
Minced meat	In packaging without spices	1-3
Giblets (pieces)	In pieces	1-3
Bologna sausage/salami	Should be kept packaged even if it has a membrane	
Chicken and turkey	Wrap in foil	4-6
Goose and duck	Wrap in foil	4-6
Deer, rabbit, wild boar	In 2.5 kg portions or as fillets	6-8
Freshwater fish	After cleaning the bowels and scales of the fish, wash and dry it. If necessary, remove the tail and head.	2
Lean fish		4
Fatty fish		2-4
Shellfish	Clean and in a bag	4-6
Caviar	In its packaging, or in an aluminium or plastic container	2-3
Snails	In salty water, or in an aluminium or plastic container	3

NOTE!

Thawed frozen meat should be cooked as fresh meat. If the meat is not cooked after defrosting, it must not be re-frozen

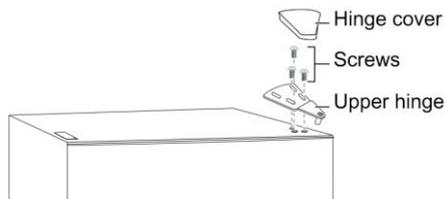
Vegetables and Fruits	Preparation	Maximum storage time (months)
String beans and beans	Wash, cut into small pieces and boil in water	10-13
Beans	Hull, wash and boil in water	12
Cabbage	Clean and boil in water	6-8
Carrot	Clean, cut into slices and boil in water	12
Pepper	Cut the stem, cut into two pieces, remove the core and boil in water	8-10
Spinach	Wash and boil in water	6-9
Cauliflower	Remove the leaves, cut the heart into pieces and leave it in water with a little lemon juice for a while	10-12
Eggplant	Cut into pieces of 2cm after washing	10-12
Corn	Clean and pack with its stem or as sweet corn	12
Apple and Pear	Peel and slice	8-10
Apricot and Peach	Cut into two pieces and remove the stone	4-6
Strawberry and blackberry	Wash and hull	8-12
Cooked fruits	Add 10 % of sugar to the container	12
Plum, cherry, sourberry	Wash and hull the stems	8-12

	Maximum storage time (months)	Thawing time at room temperature (hours)	Thawing time in oven (minutes)
Bread	4-6	2-3	4-5 (220-225°C)
Biscuits	3-6	1-1,5	5-8 (190-200°C)
Pastry	1-3	2-3	5-10 (200-225°C)
Pie	1-1,5	3-4	5-8 (190-200°C)
Phyllo dough	2-3	1-1,5	5-8 (190-200°C)
Pizza	2-3	2-4	15-20 (200°C)

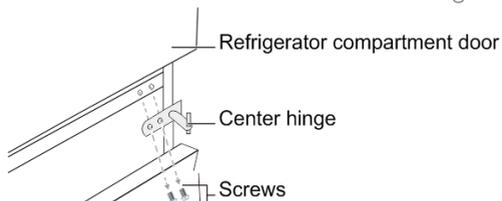
Dairy products	Preparation	Maximum storage time (months)	Storage conditions
Packet (homogenized)	In its own packet	2-3	Pure Milk – in its own packet
Cheese - excluding white cheese	In slices	6-8	Original packaging may be used for short-term storage. Keep wrapped in foil for longer periods.
Butter, margarine	In its packaging	6	

APPENDIX 2: CHANGING THE DOOR OPENING

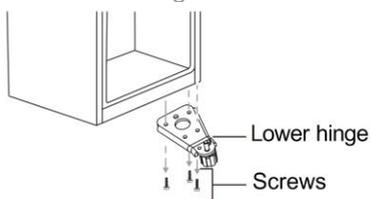
1. Make sure that your refrigerator is unplugged.
2. Pry the hinge cover up and off, remove the three screws that secure the upper hinge to the door, then remove the hinge.



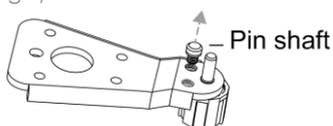
3. Remove the freezer compartment door from the cabinet.
4. Remove the two screws that secure the center hinge.



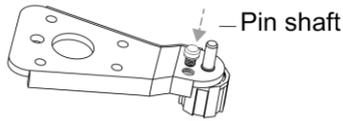
5. Remove the freezer compartment door.
6. Remove the screws that secure the lower hinge to the right side of the cabinet, then remove the hinge.



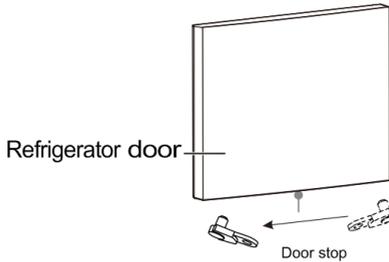
7. Remove the washer and nut that secure the pin shaft to the right hole on the lower hinge, then remove the shaft



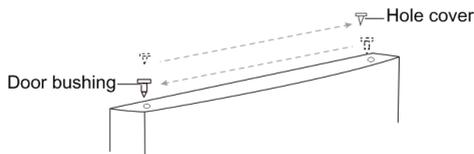
8. Insert the pin shaft into the left hole on the lower hinge, then secure the shaft with the washer and nut.



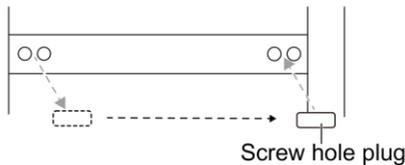
9. Install the lower hinge on the left side of the cabinet.
10. Remove the screw that secures the door stop from the bottom right of the refrigerator compartment door, then remove the door stop and install to the bottom left side.



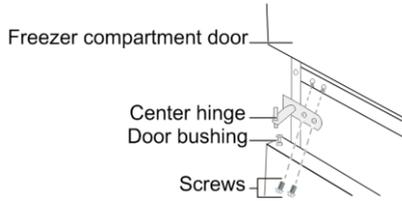
11. Install the refrigerator compartment door.
12. Move the door bushing from the top right side of the freezer door to the top left side of the door. And move the left hole cover to the right side.



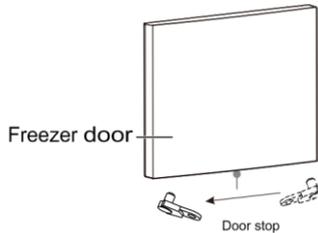
13. Remove the center hinge screw hole plug on the left side of the cabinet, then install in the screw holes on the right side of the cabinet.



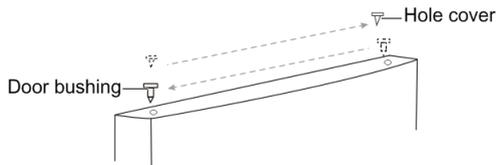
14. Install the center hinge to the left side with the two screws you removed previously.



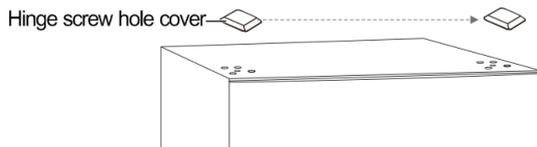
15. Remove the screw that secures the door stop from the bottom right of the freezer compartment door, then remove the door stop and install to the bottom left side.



16. Install the Freezer compartment door.
17. Move the door bushing from the top right side of the freezer door to the top left side of the door. And move the left hole cover to the right side.



18. Remove the hole cover from the top left side of the cabinet and secures the cover on the top right side of the cabinet.



19. Secure the upper hinge to the top left side of the cabinet with the three screws you removed previously. Before you tighten the upper hinge screws, make sure that the top of the door is level with the cabinet and that the rubber gasket makes a good seal.
20. Install the hinge cover over the hinge on the top left side of the cabinet.

Ciao! **MODENA**

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Jl. Industri Raya I Blok D-8,
Jatiuwung, Tangerang 15135