

# ABOUT THIS MANUAL

VISION CREATIVE, INC.  
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MODEL	CCR - 23SR,49DR,72TR/WCC - 23SR/WCR - 23SR/CCR - 23SF,49DF,72TF/WCR - 23SF	
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**VISION**

TEL: 757 - 9340 FAX: 774 - 1039



# Refrigerator Freezer Installation and Operation Manual

*Please read this manual completely before attempting to install or operate this equipment!*



## Refrigerator

CCR-23SR  
CCR-49DR  
CCR-72TR  
WCC-23SR  
WCR-23SR

## Freezer

CCR-23SF  
WCR-23SF  
CCR-49DF  
CCR-72TF

*Full Stainless Steel Visible Exterior*

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# SPECIFICATION

## Refrigerators

MODEL	COMP H.P.	V/Hz	REFRIGERANT	AMPS	WEIGHT
CCR-23SR	1/4	115V/60Hz	R-134a	5.5A	265lbs
CCR-49DR	1/3	115V/60Hz	R-134a	9.2A	397lbs
CCR-72TR	2/3	115V/60Hz	R-134a	11A	530lbs
WCC-23SR	1/4	115V/60Hz	R-404a	9.0A	265lbs
WCR-23SR	1/4	115V/60Hz	R-404a	9.0A	265lbs

## Freezers

MODEL	COMP H.P.	V/Hz	REFRIGERANT	AMPS	WEIGHT
CCR-23SF	1/2	115V/60Hz	R-404a	8.7A	265lbs
CCR-49DF	3/4	115V/60Hz	R-404a	10.5A	397lbs
CCR-72TF	5/4	115V/208~220V/60Hz	R-404a	10A	540lbs
WCR-23SF	1/2	115V/60Hz	R-404a	8.7A	265lbs

The serial number is located on the data label inside.

Please retain the unit's serial number for service purpose.

## INSTALLATION

### 1. GOOD AIR CIRCULATION

- Avoid any partitions or objects which may restrict air flow.
- Be sure there is sufficient air space to allow air flow at the rear of the unit.

### 2. DO NOT PLACE NEAR HEAT

- High ambient temperature will adversely affect cooling efficiency.

### 3. INDOOR USAGE ONLY

- Be sure to install this unit indoors.

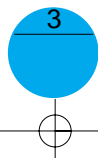
### 4. STABILIZING

- While in use, make sure the front wheels are locked to keep the unit in place.

### 5. LEVELING

- Be sure that the unit is level from the front to the back and side to side.

### 6. UNIT SHOULD BE ON DEDICATED OUTLET.



## CLEANING

### 1. CLEANING THE INTERIOR AND EXTERIOR

- The interior and exterior of the unit can be cleaned using warm water with soap.
- Do not use an abrasive cleaner because it will scratch the stainless steel surface.

### 2. CLEANING THE CONDENSER FINS

- To maintain proper refrigeration performance, the Condensing coil must be free of dust, dirt and grease.

This will require periodic cleaning. Condenser fins should be cleaned at least every three months (90 days) or as needed.

### 3. CLEAN THE GASKET

- The door gasket should be cleaned frequently to maintain proper sealing.

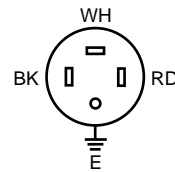
### 4. CHECK AFTER CLEANING

- Check the unit again for safety.
- Check that the unit is operating properly.

## CAUTION

### 1. POWER CORD

- Be sure that the power cord is connected to the proper voltage.
- A protected circuit of the correct voltage and amperage must be run for connection of the line cord.
- Turn 'off' the power switch before disconnecting the power cord, whenever performing maintenance functions or cleaning the refrigerated cabinet.
- Dual voltage freezer (CCR-72TF) requires receptacle as the right sides.
- Compressor warranties are void if compressor burns out due to low voltage.



### 2. RE-STARTING

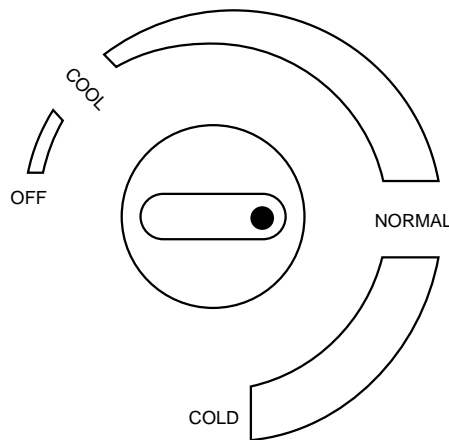
- If disconnected, wait 5 minutes before re-starting.

## BASIC OPERATION

WCC-23SR  
WCR-23SR

### REFRIGERATOR

1. The controller(thermostat) is located at the top inside of the unit.
2. The factory setting for the control is 'Normal', and maintains about 38°F (3°C) inside.
3. Set toward "Cool" for higher temperature and "Cold" for lower temperature.



**Temperature Controller  
(Thermostat)**

4. The thermostat controls compressor's cycling by sensing inside temperature.
5. Interior light is activated by the door switch when door is opened.
6. Cooling fans are activated by the door switch when door is completely closed.

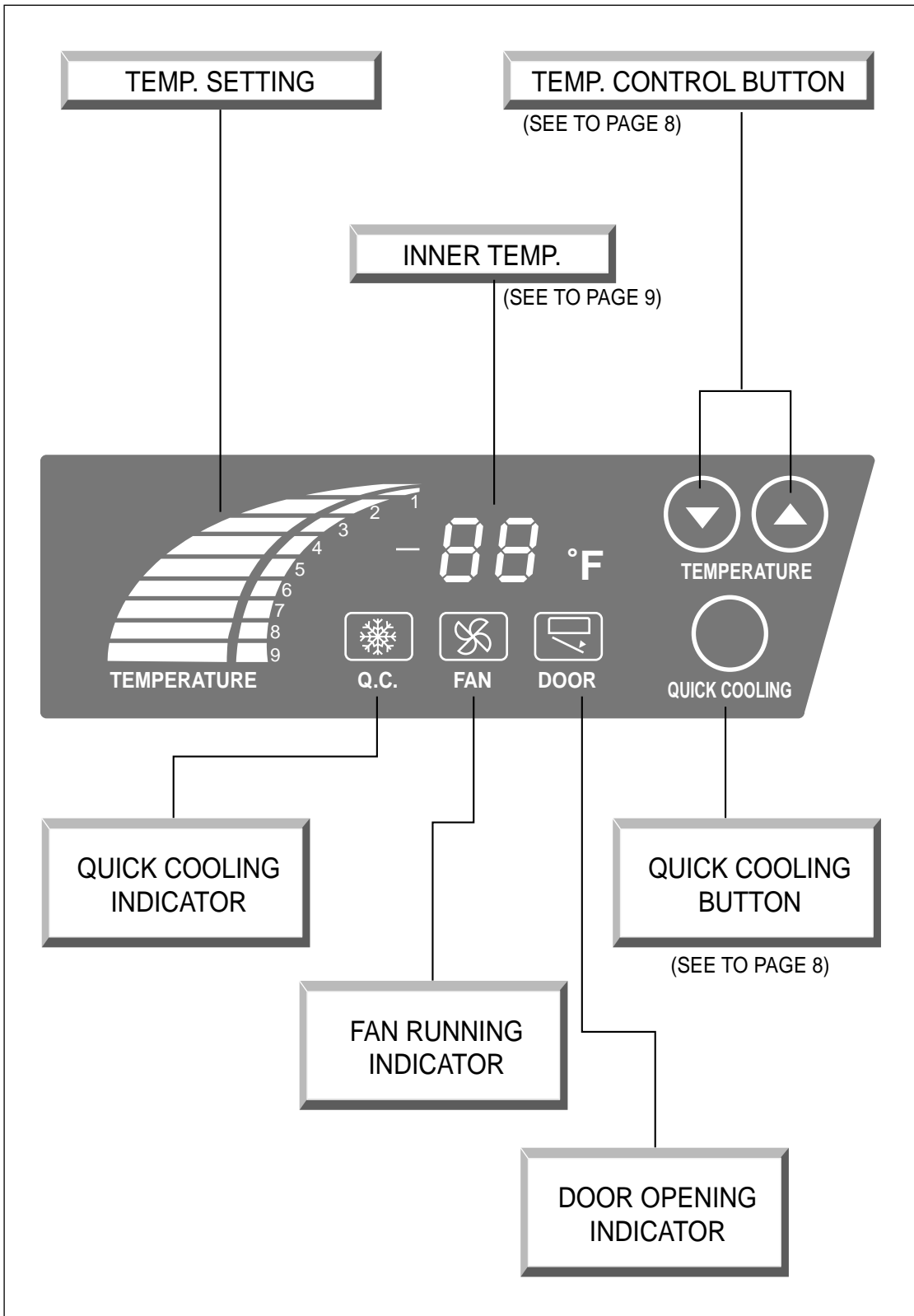
## BASIC OPERATION

CCR-23SR  
CCR-49DR  
CCR-72TR

### REFRIGERATORS

1. Plug in and turn on the power switch located on the bottom of the top grille right side.  
The Display panel will be lighted and make a beep sound. The compressor will begin to run.
2. The default temperature setting is No. "5".
3. The compressor is automatically cycled by the electronic controller (PCB, D-Sensor).
4. The Defrost cycle is automatically controlled by the R-sensor and the PCB.
5. Set level toward "1" for higher temperature and toward "9" for lower temperature.
6. The interior light is activated by the rocker switch at the bottom of the top grille when the door is opened.
7. Evaporator fan motor(s) will run after all doors are completely closed.

## DISPLAY PANEL OF REFRIGERATOR



## QUICK COOLING

1. If you push the Q.C. (Quick Cooling) button, the compressor will run continuously until D-Senser detect 14°F (-10°C) to bring down the temperature more quickly. (max.comp.run time = 120 min.)
2. If you push the Q.C. button again during Quick Cooling mode, the compressor will return to the normal operation.
3. During the Quick Cooling mode, the temperature Up/Down button will not affect the compressor's operation.

## UP/DOWN BUTTON (Temperature control button)

1. By pushing the up/down button, you can set the inside temperature level from '1' to '9'.
2. If you want lower temperature, push the Down button to be lighted higher level numbers.



## INNER TEMPERATURE DISPLAY

1. It displays inside temperature.
2. Display range is 14°F to 69°F (-10°C ~ +20°C).
3. When inside temperature is lower than 14°F, the panel will display 'LO'.

LO

and, higher than 69°F, the panel will display 'HI'.

HI

## FAN RUNNING INDICATOR

1. If the fan motor is running, fan running indicator will be turned on.
2. Evaporator fan motor is activated when the door (both doors for CCR-49DR, all three doors for CCR-72TR) is closed.

## DOOR OPENING INDICATOR

1. If any door is opened, door opening indicator will be turned on.
2. In case that any door was opened around 30 seconds, warning beep sound will be ring three (3) times.
3. In case of passing around 1 minute, warning beep sound will be ring again five (5) times.
4. In case of passing around 5 minutes, the beep sound will be ring continuously.
5. On all the conditions good, the beep sound will stop immediately if the door closed properly.

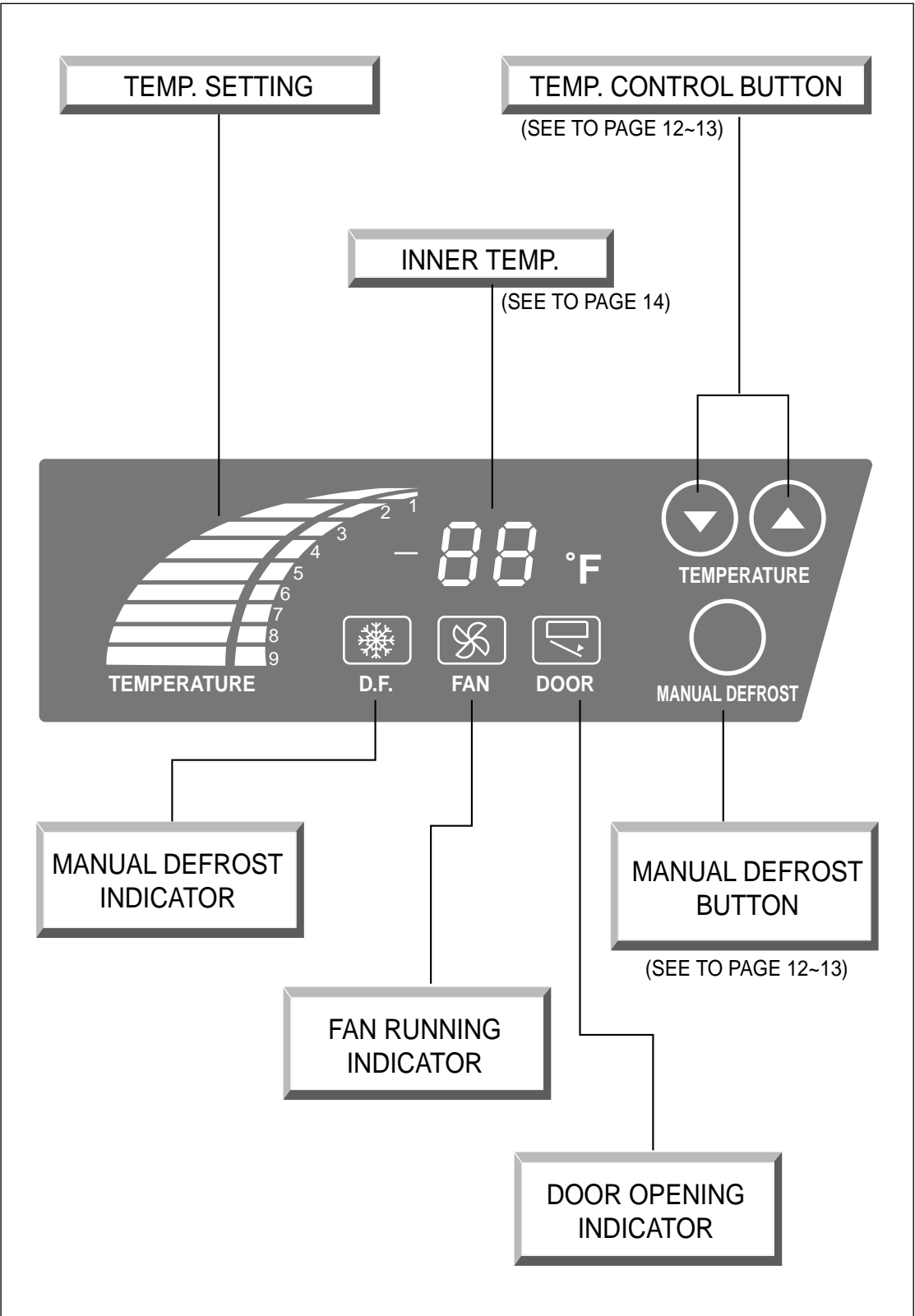
## BASIC OPERATION

CCR-23SF  
CCR-49DF  
CCR-72TF  
WCR-23SF

### FREEZERS

1. Plug in and turn on the power switch located on the bottom of the top grille right side.  
The Display panel will be lighted and make a beeping sound. The compressor will begin to run.
2. The default temperature setting is No. "5".
3. The compressor is automatically cycled by the electronic controller (PCB, F-Sensor).
4. The Defrost cycle is automatically controlled by the D-sensor, and the PCB.
5. Set toward "1" for higher temperatures and toward "9" for lower temperatures.
6. The interior light is activated by the door switch at the bottom of the top grille when the door is opened.
7. Evaporator fan motor(s) will run after all doors are completely closed.
8. Good Air Flow in freezer unit is critical.  
Be careful to load product so that it neither presses against the back wall, nor reaches within four inches from the evaporator compartment.

# DISPLAY PANEL OF FREEZER



## FOR CCR-23SF, CCR-49DF, CCR-72TF

### MANUAL DEFROST

1. If you push MANUAL DEFROST button for 5 seconds, the Defrost will start.
2. During the Manual Defrost mode, the Up/Down button for the temp. control can not make the compressor cycle ON or OFF.
3. If you want to change the Manual Defrost mode in the normal mode. push MANUAL DEFROST button for 5 seconds.

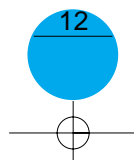
### UP/DOWN BUTTON (Temperature control)

1. By pushing the Up/Down button, you can set the inside temperature level from “1” to “9”.
2. If you want to lower /temperature, push the button to lower the indicator to higher level numbers.

### DEFROST

1. The electronic defrost controller is set at the factory to provide a defrost cycle every 6 hours (4 defrosts per day).
2. If it is necessary to change the intervals of defrost due to unusual operating conditions, it can be accomplished by adjusting the switch which is located on the inside of the top grille.
3. Once all frost is eliminated, the temperature coil continues to rise until it reaches 60°F (15°C). When this temperature is sensed by the defrost limit control, the defrost control changes to refrigeration mode.
4. The panel displays “ $\text{dF}$ ” during the defrost cycle.

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## FOR WCR-23SF

### MANUAL DEFROST

1. If you push MANUAL DEFROST button for 5 seconds, the Defrost will start.
2. During the Manual Defrost mode, the Up/Down button for the temp. control can not make the compressor cycle ON or OFF.
3. If you want to change the Manual Defrost mode in the normal mode, push MANUAL DEFROST button for 5 seconds.

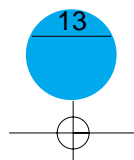
### HOW TO CONTROL THE TEMPERATURE (UP/DOWN BUTTON)

1. Keep pressing up&down buttons simultaneously for five seconds, then the lock will be cancelled with beep sound.
  - \* This unit has lock function that prevents unauthorized person from changing the temperature setting
2. Set the temperature setting from level 1 to level 9 by pressing the up or down button.
  - \* The temperature setting will be locked back automatically in five seconds after you set.
  - \* Factory setting is level 5.

### DEFROST

1. The electronic defrost controller is set at the factory to provide a defrost cycle every 6 hours (4 defrosts per day).
2. If it is necessary to change the intervals of defrost due to unusual operating conditions, it can be accomplished by adjusting the switch which is located on the inside of the top grille.
3. Once all frost is eliminated, the temperature coil continues to rise until it reaches 60°F (15°C). When this temperature is sensed by the defrost limit control, the defrost control changes to refrigeration mode.
4. The panel displays “dF” during the defrost cycle.

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## INNER TEMPERATURE DISPLAY

1. The Refrigerator/Freezer displays the inside temperature.
2. Display range is  $-50^{\circ}\text{F}$  to  $50^{\circ}\text{F}$  ( $-45^{\circ}\text{C} \sim +10^{\circ}\text{C}$ ).
3. When inside temperature is lower than  $-50^{\circ}\text{F}$ , the panel will display 'LO'.

LO

and, higher than  $+50^{\circ}\text{F}$ , the panel will show 'HI'.

HI

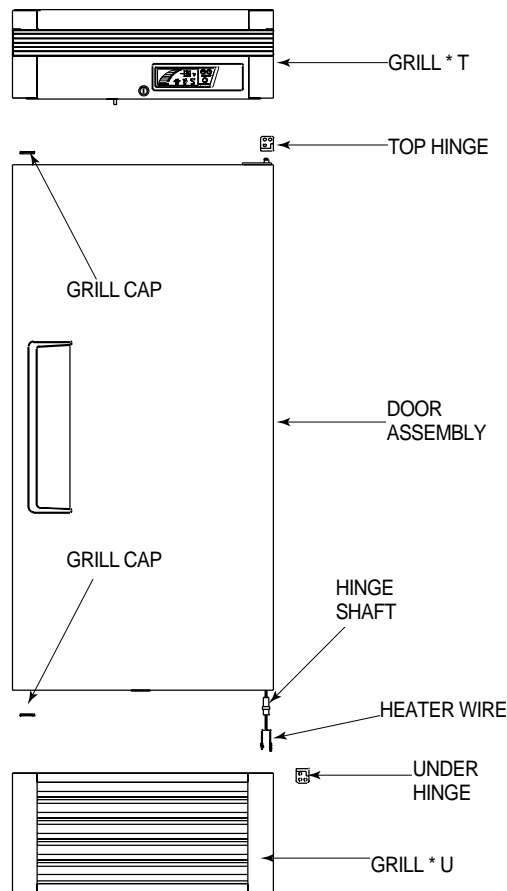
## FAN RUNNING INDICATOR

1. If the fan motor is running, the fan running indicator will be turned on.
2. The evaporator fan motor is activated when the door (both doors for CCR-49DF, all three doors for CCR-72TF) is closed.

## DOOR OPENING INDICATOR

1. If door is opened, door opening indicator will be turned on.
2. Passing the thirty seconds after the door is opened, there will be a warning sound of three "beeps".
3. If the door remains open for a minute, there will be a warning sound of five "beeps".
4. If the door remains open for five minutes, there will be a continuous beeping sound.
5. In all the conditions, the beep sound will stop immediately when the door is properly closed.

## INSTALLATION METHOD OF REVERSE DOOR

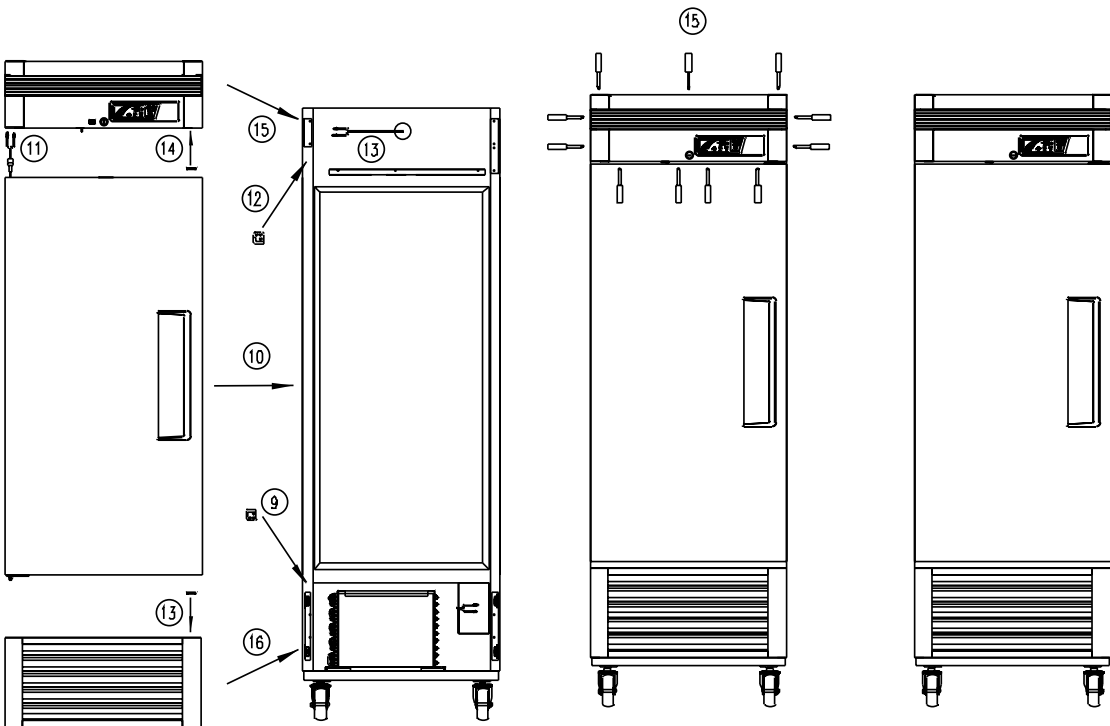
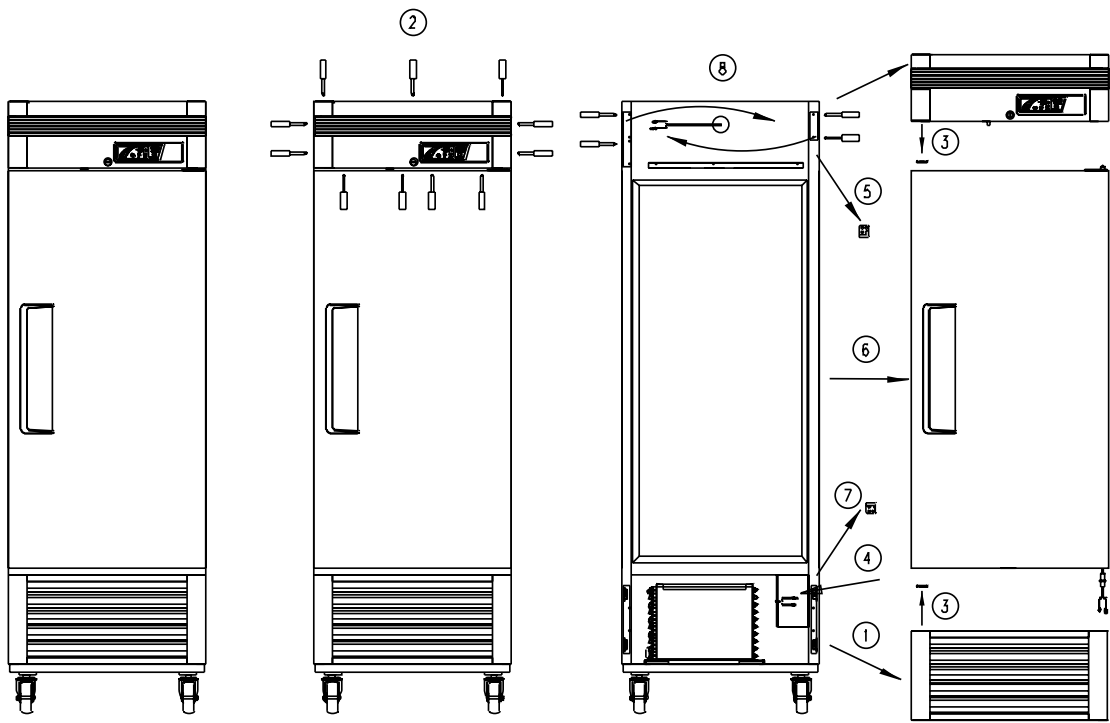


PART DIAGRAM

1. REMOVE THE BOTTOM GRILL
  - \*\* THE BOTTOM GRILL IS FIXED BY LATCH, SO YOU CAN REMOVED IT BY HANDS.
2. REMOVE THE TOP GRILL
  - \*\* THE TOP GRILL IS FIXED BY SCREWS, SO YOU NEED SCREW DRIVER.
3. REMOVE THE GRILL CAPS FROM TOP GRILL AND BOTTOM GRILL
4. DISCONNECT THE HEATER WIRE FROM MAIN HARNESS (IS LOCATED AT SWITCH BOX) AND REMAIN WIRE CONNECTED TOGETHER(WCR-23SF)
5. UNSCREW THE BOLTS AT THE TOP HINGE(3POINTS)
6. REMOVE THE DOOR ASSEMBLY
  - \*\* CAUTION DAMAGE OF THE HEATER WIRE WHEN YOU REMOVE THE DOOR (WCR-23SF)
7. UNSCREW THE BOLTS AT THE BOTTOM HINGE(3POINTS)
8. SUBSTITUTE THE POSITION OF LEFT GRILL FIXTURE AND RIGHT GRILL FIXTURE

9. USE BOLTS FOR FIXING THE TOP HINGE AT BOTTOM LEFT SIDE
10. SET UP THE DOOR AT THE TOP HINGE AFTER ROTATING THE DOOR
11. PULL OUT THE HEATER WIRE FROM THE BUSH HOLE (WCR-23SF)
12. USE BOLTS FOR FIXING THE BOTTOM HINGE AT TOP LEFT SIDE
13. CONNECT HEATER WIRE TO THE MAIN HARNESS (IS LOCATED INSIDE THE TOP GRILL AND IT IS CONNECTED TOGETHER) (WCR-23SF)
14. ASSEMBLE THE GRILL CAP TO TOP GRILL AND BOTTOM GRILL AT RIGHT SIDE
15. SET UP THE TOP GRILL BY SCREW
16. ASSEMBLE THE BOTTOM GRILL

# INSTALLATION METHOD OF REVERSE DOOR



**BEFORE REQUESTING SERVICE**

<b>SYMPTOMS</b>	<b>CAUSES</b>	<b>SOLUTIONS</b>
<b>Freezer is melting food.</b>	<ul style="list-style-type: none"> <li>• The setting temperature is too high to contain food fresh.</li> </ul>	<ul style="list-style-type: none"> <li>• Push the temperature down button for lower temperature.</li> </ul>
<b>The unit does not refrigerate at all.</b>	<ul style="list-style-type: none"> <li>• There is a power connection failure problem.</li> </ul>	<ul style="list-style-type: none"> <li>• Check the power cord and plug in it correctly.</li> </ul>
<b>The unit does not refrigerate well.</b>	<ul style="list-style-type: none"> <li>• The unit is in sunlight or near a heating device.</li> <li>• The unit contains hot food or too much food.</li> <li>• The unit door is opened too frequently or left open long.</li> <li>• The temp. dial is not on the correct position.</li> <li>• The condenser is clogged.</li> </ul>	<ul style="list-style-type: none"> <li>• Check the installation place.</li> <li>• Check the condition of stored food.</li> <li>• Check the position of the temp control dial.</li> </ul>
<b>There is a loud noise.</b>	<ul style="list-style-type: none"> <li>• The floor is too weak or the leveling feet is set incorrectly.</li> <li>• The back-side of the unit is too close to the wall.</li> <li>• The tray is not in the correct position.</li> </ul>	<ul style="list-style-type: none"> <li>• Check the installation and adjust the tray position.</li> </ul>
<b>There are dew-drops on the unit exterior.</b>	<ul style="list-style-type: none"> <li>• High-moisture air can produce dewdrops during rainy season.</li> </ul>	<ul style="list-style-type: none"> <li>• Wipe with a dry cloth.</li> </ul>
<b>There are dew-drops on the unit interior.</b>	<ul style="list-style-type: none"> <li>• The door is opened too frequently or left open long.</li> <li>• Damp food is stored.</li> </ul>	<ul style="list-style-type: none"> <li>• Keep the door closed to remove dewdrops.</li> </ul>
<b>The door does not close tightly.</b>	<ul style="list-style-type: none"> <li>• The door is bent.</li> <li>• The unit has a levelling failure.</li> <li>• The door gasket has come out.</li> </ul>	<ul style="list-style-type: none"> <li>• Level the unit again.</li> <li>• Reposition the gasket.</li> </ul>

**The following points are not malfunctions:**

- A water-flowing sound can be heard when the compressor stops. This is the sound of REFRIGERANT flowing.
- The compressor does not run against defrosting function.

**WARRANTY**



**LIMITED ONE YEAR PARTS & LABOR WARRANTY**

Master-Bilt Products (the "Company") warrants to the original purchaser-user that its refrigeration equipment, at the time of delivery, will be free from defects in material and workmanship. Master-Bilt will bear the reasonable and customary labor expense to repair or replace any component part (including said part) found to be defective under the terms and conditions as outlined under Master-Bilt's standard one (1) year parts warranty. Master-Bilt will reimburse said labor expenses to the original purchaser only if after evaluating the original service invoice submitted by the original purchaser-user Master-Bilt determines that this warranty applies. **The labor warranty shall apply only to self-contained equipment installed by authorized or approved Master-Bilt dealers, distributors, service companies or refrigeration contractors.** The labor warranty does not cover the cost (parts or labor) of installation, start-up, normal maintenance, or normal control adjustment. Written notice of a claim under this Warranty must be received by the Company within ONE YEAR from the date of installation but no longer than ONE YEAR AND THREE MONTHS from shipment.

Any defects caused by misapplication, abnormal use or misuse, lack of or improper maintenance, damage by third parties, alterations, acts of God, failure to follow installation, maintenance or safety instructions or any other event beyond the control of the Company will not be covered under this Warranty.

The obligation of Master-Bilt shall be limited to repairing or replacing (at the option of the Company) any part which is defective in the reasonable opinion of the Company. The cost of service labor reimbursed will be based on straight-time rate and reasonable time for the repair of the defect.

**THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

**In no event shall the Company be liable for loss of use, revenue or profit or for any other indirect, incidental, special or consequential damages including, but not limited to, food spoilage or product loss.**

This Warranty shall apply only within the continental United States, its territories and possessions and in Canada.

**EXTENDED FOUR YEAR COMPRESSOR REPLACEMENT WARRANTY**

The Company warrants to the original purchaser-user that it will replace the compressor on the Equipment if found, in the reasonable opinion of the Company, to be defective in material or workmanship if written notice is received within five years from date of shipment.

Defective conditions caused by abnormal use or misuse, lack of or improper maintenance, damage by third parties, alterations, acts of God, failure to follow installation, maintenance or safety instructions or any other event beyond the control of the Company will not be covered under this Warranty.

The Compressor Replacement Warranty does not apply to any part of the equipment other than the compressor. The purchaser-user will have the sole responsibility and bear all expenses of removing and returning the defective compressor to the Company as well as the cost of reinstalling the replacement compressor. The Company may satisfy its obligations hereunder by supplying a replacement compressor which is reasonably similar in design and capacity.

**THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

**In no event shall the Company be liable for loss of use, revenue or profit or for any other indirect, incidental, special or consequential damages including, but not limited to, losses involving food spoilage or product loss.**

This Compressor Replacement Warranty shall apply only within the continental United States, its territories and possessions and in Canada.

Shipment date:                     **SAMPLE**                     Serial Number:                     **SAMPLE**

## TERMS OF SALE

- 1. PRICES.** Master-Bilt reserves the right to change the price of the equipment without notice. All quotations for equipment shall be void if not accepted within 30 days.
- 2. DELIVERY.** Shipping or delivery date is approximate. Seller will not be liable for failure to deliver due to strikes, supplier's delays, changes requested by buyer or any causes beyond Master-Bilt's control.
- 3. SHIPMENTS.** When possible, requested carrier will be used. Master-Bilt, however, reserves the right to ship via any responsible carrier. Shipping charges are payable by consignee and any claims arising as to such charges shall be resolved between the carrier and consignee. All prices are F.O.B. factory.
- 4. HANDLING CHARGES.** Handling charges are applicable for all cabinets and step-ins shipped from Master-Bilt off-site warehouses.
- 5. DAMAGE.** Claims for damage in transit must be made by the consignee with the carrier. Master-Bilt assumes no responsibility for damages while in transit.
- 6. TAXES.** Federal, state, city sales or use taxes are not included with these prices.
- 7. CANCELLATIONS.** Buyer shall compensate Seller for all special items not normally stocked. Buyer shall also compensate Seller for special labor, material costs, special engineering, etc., on all cancelled orders.
- 8. RETURNED GOODS.** No product may be returned unless authorized in writing by Master-Bilt's sales office. If return of product is so authorized, consignee shall be required to pay a handling charge of a minimum of twenty-five percent (25%) of the invoice price. Product must be returned in original factory crate, freight prepaid and shall not have been used and must be in the same condition as originally shipped by Master-Bilt.
- 9. WARRANTY.** List prices include a limited one year parts and labor warranty on self-contained refrigerated cases and an extended four year compressor warranty for all cases sold within the continental United States, its territories and possessions and in Canada.