



OWNER'S GUIDE & SERVICE MANUAL

NORTHLAND UNDERCOUNTER REFRIGERATION



Model: NHWC124-SG01A

WELCOME

Warranty Registration

It is important you register your product warranty after taking delivery of your appliance. You can register online at www.northlandamerica.com.

The following information will be required when registering your appliance:

Serial Number

Date of Purchase

Dealer's name and address

**Online registration
available at
northlandamerica.com**

The serial number can be found on the serial plate which is located inside the cabinet on the left side near the top.

NORTHLAND	
GREENVILLE, MI 48838	
MODEL NO.	<input type="text"/>
SERVICE NO.	<input type="text" value="XXXXXXXXXX"/>
SERIAL NO.	<input type="text" value="XXXXXXXXXX"/>
HZ <input type="text"/>	VOLTS <input type="text"/> AMPS <input type="text"/> R600A <input type="text"/> g
TEST PRESSURE 140 PSI LOW SIDE 300 PSI HIGH SIDE	

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IMPORTANT SAFETY INSTRUCTIONS

Important Safety Instructions

Warnings and safety instructions appearing in this guide are not meant to cover all possible conditions and situations that may occur. Common sense, caution and care must be exercised when installing, maintaining or operating this appliance.

Recognize Safety Symbols, Words and Labels



WARNING

WARNING - You can be killed or seriously injured if you do not follow these instructions.



CAUTION

CAUTION - Hazards or unsafe practices which could result in personal injury or property/product damage.

NOTE

NOTE - Important information to help assure a problem-free installation and operation.



WARNING

State of California Proposition 65 Warning:

This product contains one or more chemicals known to the State of California to cause birth defects or other reproductive harm.



WARNING

State of California Proposition 65 Warning:

This product contains one or more chemicals known to the State of California to cause cancer.



WARNING

WARNING - This unit contains R600a (isobutane) which is a flammable hydrocarbon. It is safe for regular use. Do not use sharp objects to expedite defrosting. Do not damage refrigerant circuit.

UNPACKING YOUR APPLIANCE



WARNING

EXCESSIVE WEIGHT HAZARD

Use two or more people to move product.
Failure to do so can result in personal injury.



CAUTION

If the appliance was shipped, handled or stored in other than an upright position for any period of time, allow the appliance to sit upright for a period of at least 24 hours before plugging in. This will assure oil returns to the compressor. Plugging the appliance in immediately may cause damage to internal parts.

Remove Interior Packaging

Your appliance has been packed for shipment with all parts that could be damaged by movement securely fastened. Remove internal packing materials and any tape holding internal components in place. The getting started guide is shipped inside the product in a plastic bag along with the warranty registration card and other accessory items.

Important

Keep your carton and packaging until your appliance has been thoroughly inspected and found to be in good condition. If there is any damage, the packaging will be needed as proof of damage in transit. Afterwards, please dispose of all items responsibly.



WARNING

WARNING - Dispose of the plastic bags which can be a suffocation hazard.



WARNING

WARNING - Help Prevent Tragedies

Child entrapment and suffocation are not problems of the past. Junked or abandoned refrigerators are still dangerous, even if they sit outside for "just a few hours".

If you are getting rid of your old refrigerator, please follow the instructions below to help prevent accidents.

Before you throw away your old refrigerator or freezer:

- Take off the doors or remove the drawers.
- Leave the shelves in place so children may not easily climb inside.

Note to Customer

This merchandise was carefully packed and thoroughly inspected before leaving out facility. Responsibility for its safe delivery was assumed by the retailer upon acceptance of the shipment. Claims for loss or damage sustained in transit must be made to the retailer.

NOTE

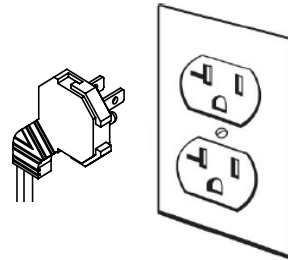
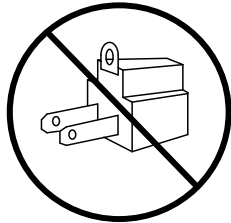
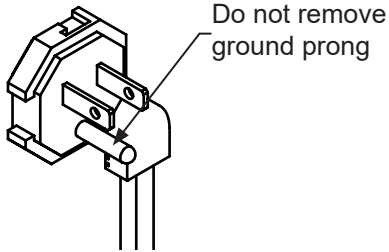
DO NOT RETURN DAMAGED MERCHANDISE TO THE MANUFACTURER - FILE THE CLAIM WITH THE RETAILER.

ELECTRICAL

Electrical Connection

A grounded 115 volt, 15 amp dedicated circuit is required.

This product is factory equipped with a power supply cord that has a three-pronged, grounded plug. It must be plugged into a mating grounding type receptacle in accordance with the National Electrical Code and applicable local codes and ordinances. If the circuit does not have a grounding type receptacle, it is the responsibility and obligation of the customer to provide the proper power supply. The third-ground prong should not, under any circumstances, be cut or removed.



NOTE

Ground Fault Circuit Interrupters (GFCI) are prone to nuisance tripping which will cause the appliance to shut down. GFCI's are generally not used on circuits with power equipment that must run unattended for long periods of time, unless required to meet local building codes and ordinances.



WARNING

Electrical Shock Hazard

- Do not use an extension cord with this appliance. They can be hazardous and can degrade product performance.
- This appliance should not, under any circumstances, be installed to an un-grounded electrical supply. Do not remove the grounding prong from the power cord.
- Do not use an adapter.
- Do not splash or spray water from a hose on the appliance. Doing so may cause an electrical shock, which may result in severe injury or death.

SIDE-BY-SIDE AND STACKING INSTALLATIONS

Side-by-Side Installation

Other Site Requirements

Units must operate from separate, properly grounded electrical receptacles placed according to each unit's electrical specifications requirements.

Cutout width for a side-by-side installation is the total of the widths listed under Cutout Dimensions in each unit's Installation Guide. Each door can be opened individually (one at a time) without interference.

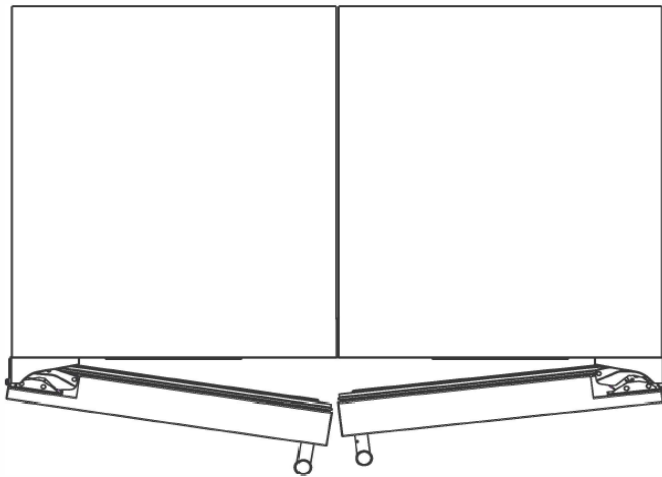


Figure 10

However, to ensure unobstructed door swing (opening both doors at the same time), 1/4" (6.4 mm) of space needs to be maintained between the units.

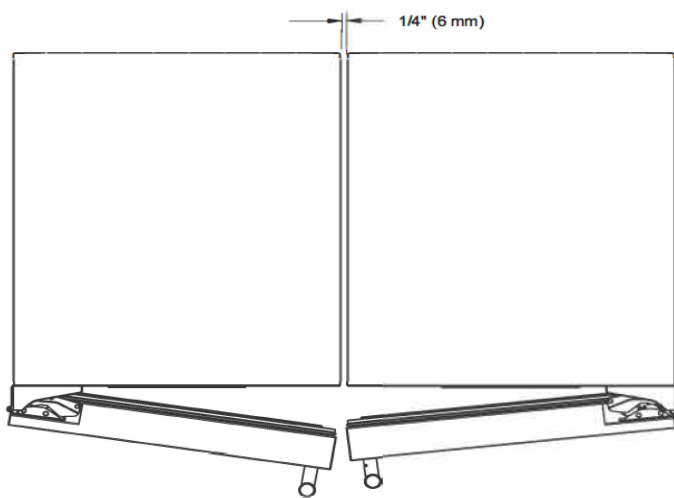


Figure 11

Hinge-by-Hinge Installation (Mullion)

When installing two units hinge-by-hinge, 13/16" (22 mm) is required for integrated models. Additional space may be needed for any knobs, pulls or handles installed.

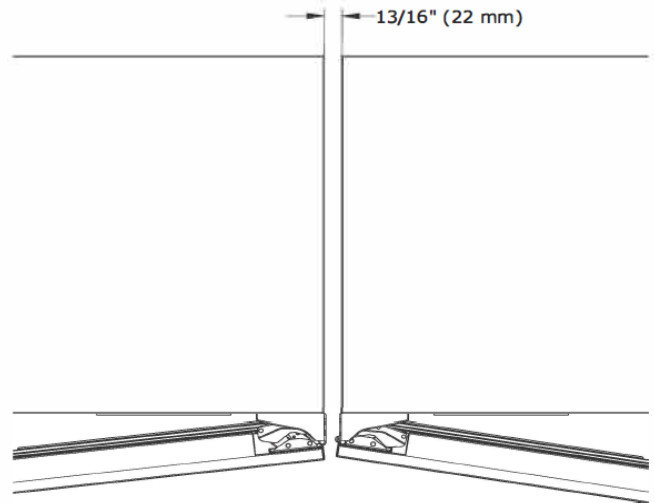


Figure 12

Stainless steel models which include the standard stainless handle will require 4-9/16" (116 mm) to allow both doors to open to 90° at the same time.

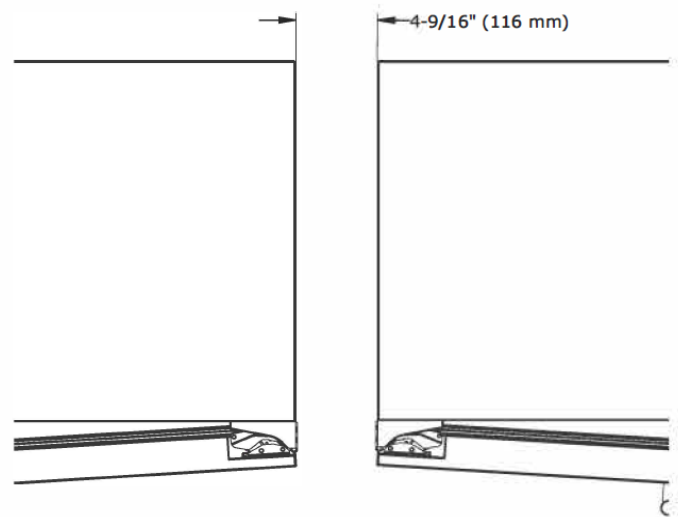


Figure 13

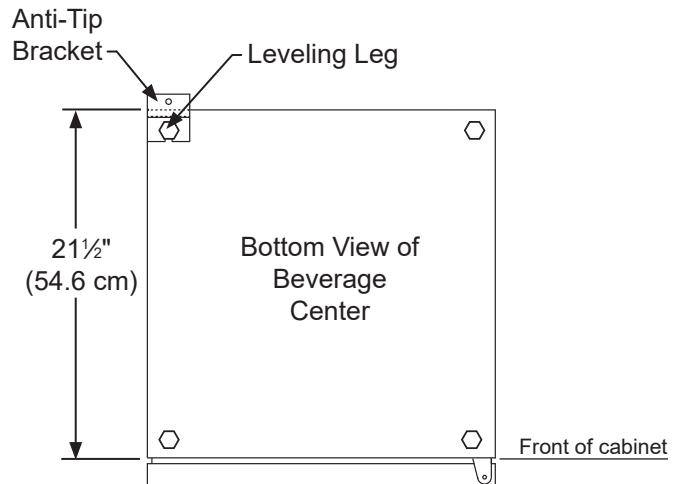
INSTALLING THE ANTI TIP DEVICE



WARNING



- ALL APPLIANCES CAN TIP RESULTING IN INJURY.
- INSTALL THE ANTI-TIP BRACKET PACKED WITH THE APPLIANCE.
- FOLLOW THE INSTRUCTIONS BELOW



Anti-Tip Device

Figure 14



WARNING

If your beverage center is not located under a counter top (free standing), you must use an anti-tip device installed as per these instructions. If the beverage center is removed from its location for any reason, make sure that the device is properly engaged with the anti-tip bracket when you push the beverage center back into the original location. If the device is not properly engaged, there is a risk of the beverage center tipping over, with the potential for property damage or personal injury.

NOTE

If installing on a concrete floor, concrete fasteners are required, (not included with the anti-tip kit).



CAUTION

Any finished flooring should be protected with appropriate material to avoid damage when moving the unit.

Floor Mount Installation

The anti-tip bracket is to be located on the floor in the left or right rear corner of the wine cellar as shown in Figure 14.

Step by step instructions for locating the position of the bracket:

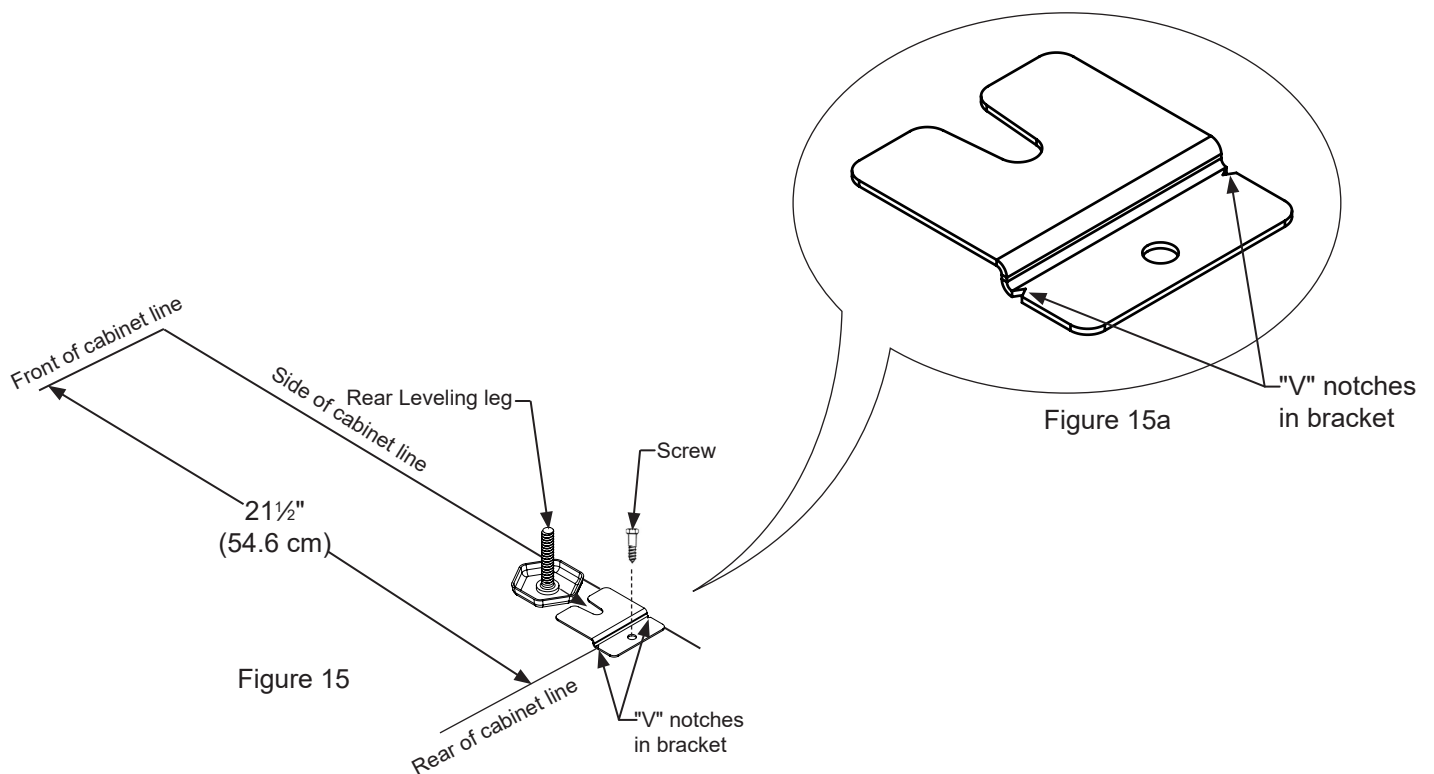
- 1) Decide where you want to place the beverage center. Slide it into place, being careful not to damage the floor, leaving 1" (2.5 cm) of clearance from the rear wall to allow room for the anti-tip bracket.
- 2) Raise the rear leveling legs approximately $\frac{1}{4}$ " (6 mm) to allow engagement with the anti-tip bracket. Level the unit by adjusting all the leveling legs as required. Turning the leveling leg counterclockwise will raise the unit and clockwise will lower the unit.
- 3) Make sure the beverage center is in the desired location, then mark on the floor the rear and side corner of the cabinet where the anti-tip bracket will be installed. If the installation does not allow marking the rear corner of the cabinet, then make temporary lines on the floor marking the front corner of the cabinet, excluding the door. Slide the beverage center out of the way. From the temporary line extend the sidewall line back 21 $\frac{1}{2}$ " (54.6 cm) as shown in Figure 15.
- 4) Align the anti-tip bracket to the marks on the floor so the side of the bracket lines up with the side of the cabinet mark, and the "V" notches on the anti-tip bracket line up with the end of the 21 $\frac{1}{2}$ " (54.6 cm) line (Rear of cabinet line).
- 5) Fasten the anti-tip bracket to the floor using the supplied screw. (See Figure 15).

- 6) Slide the cabinet back into position, making sure the rear cabinet leveling leg slides under the anti-tip bracket engaging the slot.

INSTALLING THE ANTI TIP DEVICE

NOTE

When the floor mounted anti-tip bracket is used the minimum adjusted height of the cabinet is increased by $\frac{3}{4}$ " (9 mm).



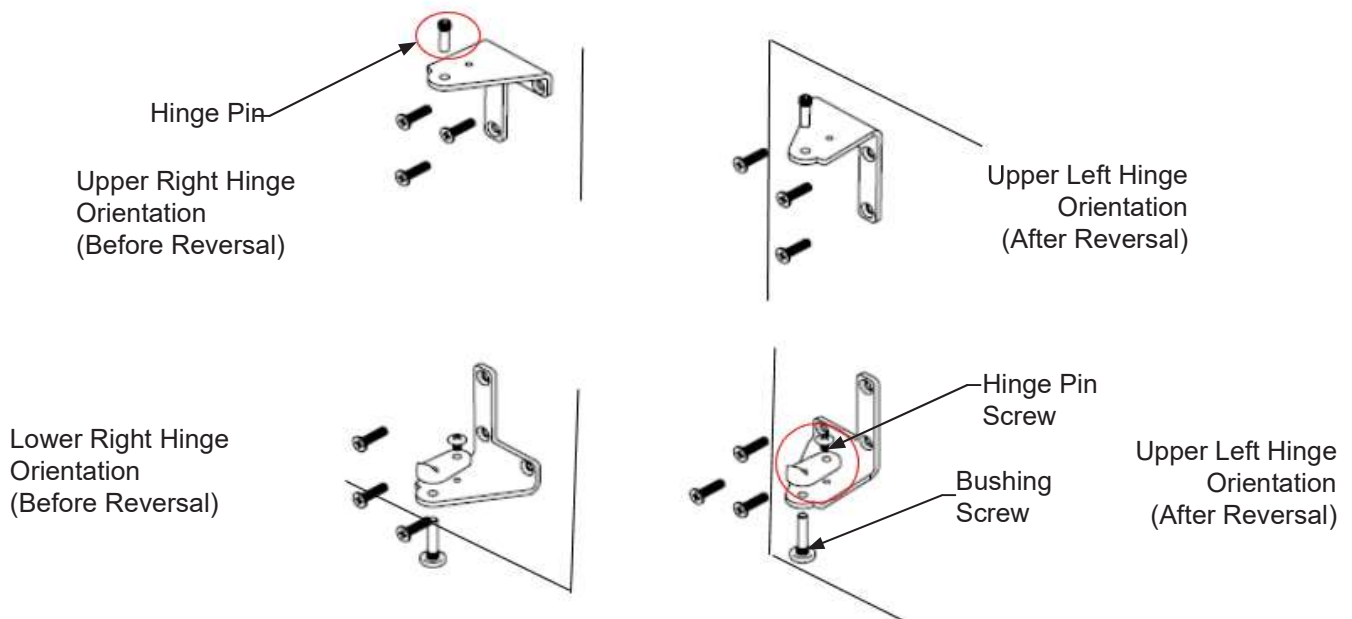
DOOR REVERSAL

Door Reversing Instructions

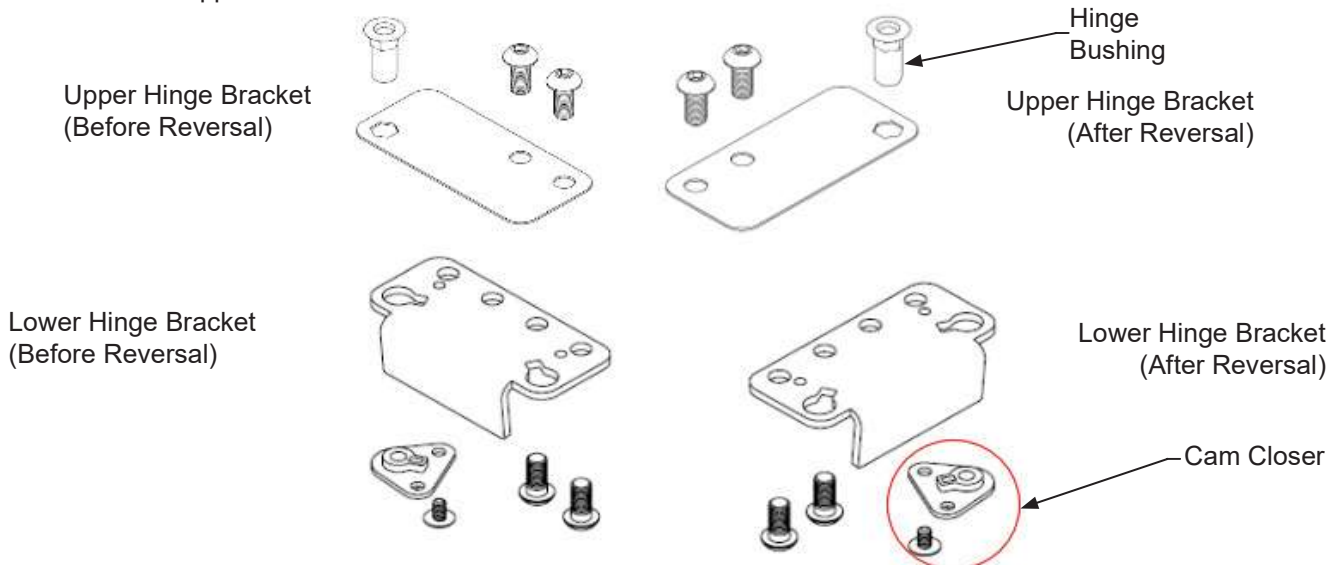
Tools Needed:

- 1/8" Hex Key
- 5/32" Hex Key
- Phillips Screwdriver

1. Open door and remove Hinge Pin from the Upper Hinge using a 1/8" Hex Key tool, making sure to steady the door. Slowly remove the door from the Upper Hinge and lift to remove off the base Lower Hinge.
2. Using a Phillips Screwdriver, remove the 6 screws from both the Upper and Lower Hinges and save for later steps
3. Once the Hinges are removed from the unit, using a Phillips Screwdriver, remove the Bushing Screw and Hinge Pin Screw and save for later steps.
4. On the Bottom Hinge, reattach the Bushing Screw and Hinge Pin Screw to the opposite side.

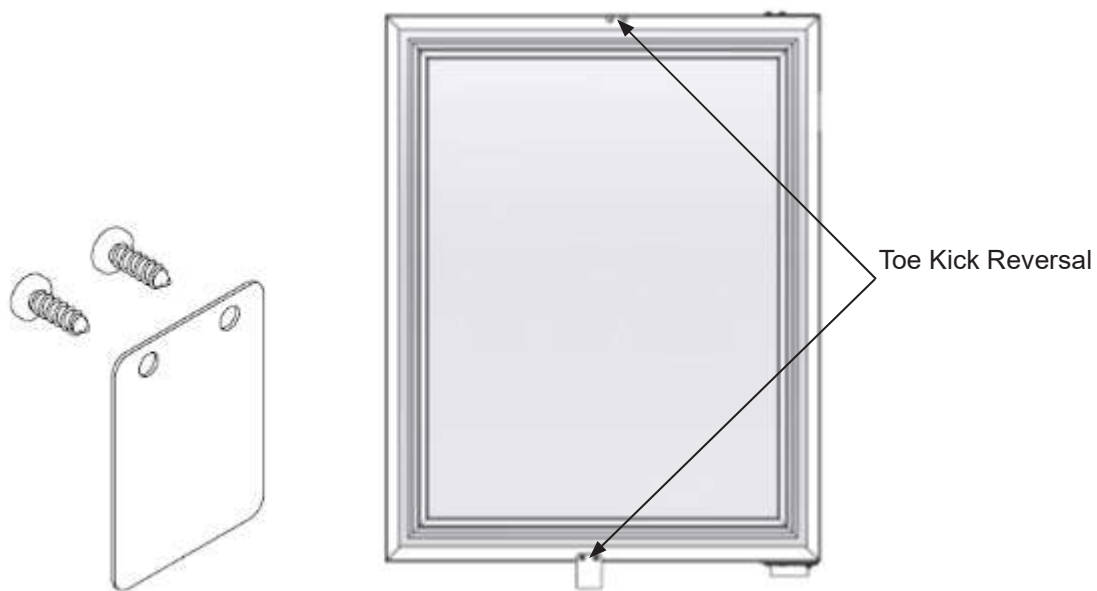


5. Using a 5/32" Hex Key, remove the Upper and Lower Hinge Brackets from the door, saving all components. Remove black plugs from opposite side of door. flip the Upper Hinge Bracket and reattach the Hinge Bushing and screw into place on the opposite side of the door (where plugs were removed). Remove the Cam Closer from the Lower-Hinge Bracket and attach it to the opposite side.

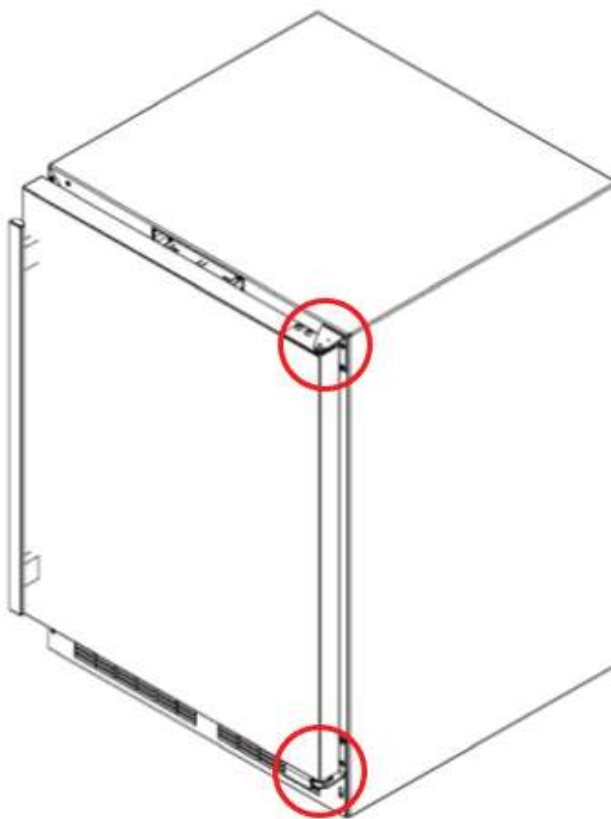


DOOR REVERSAL

6. Remove the Toe Kick from the door and attach it to the opposite side



7. Reattach the Upper and Lower Hinges, and Hinge Brackets to opposite sides. Then install the door.



USING YOUR ELECTRONIC CONTROL



Control Function Guide

Function	Command	Notes
ON/OFF	Press and hold for 5 seconds.	Unit will immediately turn ON or OFF.
Leave Interior Light On	Press and release to leave interior light on for 3 hours; press again to deactivate.	After 12 hours, factory default is restored; light will turn on when door is open.
Adjust Temperature	Press or and release.	When the display is flashing, press or to adjust the set point temperature. Note: temperature displayed is the actual temperature inside unit.
Toggle Between °F / °C	Hold and for 5 seconds.	The display will change units.
Enable Sabbath Mode	Press and hold for 5 seconds and release.	The °F / °C symbol will flash briefly after 5 seconds. Interior light and display will go dark and remain so until user resets mode - unit continues to operate.
Disable Sabbath Mode	Press , hold for 5 seconds and release.	Display and interior light return to normal operation.
Showroom Mode	Hold and for 5 seconds.	Display will show SH for 2 seconds. Interior light and display will function normally, but the compressor and fans will not be energized. Repeat command to return to normal operation. Display will show EH for 2 seconds.

NOTE

Temperature displayed reflects actual temperature inside unit. If the temperature displayed is different than selected, the unit is progressing towards the selected temperature. Time to reach set point varies based upon ambient temperature, temperature of product loaded, door openings, etc. Northland recommends allowing the unit to reach set points before loading.

INTERIOR ADJUSTMENTS



CAUTION

Never try to remove a loaded shelf, remove everything from the shelf before removing. Use both hands when removing the shelf.

To remove a shelf:

Extend the shelf out of the cabinet until it stops.

Unload the shelf (see Figure 33).

Depress the locking tabs on both sides of the shelf and pull the shelf straight out (see Figure 29a). When the shelf is removed, push the extended cabinet mounted shelf extensions back into the cabinet.

To re-install a shelf:

Pull out the cabinet mounted shelf extensions to assist the engagement with the wire rack shelf.

Insert the wire rack side track into the cabinet mounted shelf extensions on both sides.

Push the wire rack completely into the cabinet to engage the locking tabs.

Pull the shelf out, (unloaded), to verify the wire rack is locked into the side rails. If the wire rack falls out, the locking tabs are not engaged; repeat the installation.

Load the shelf as required.

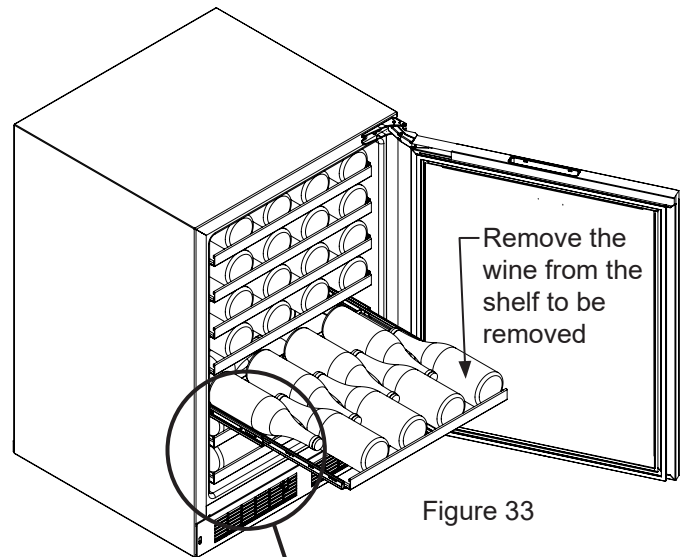


Figure 33

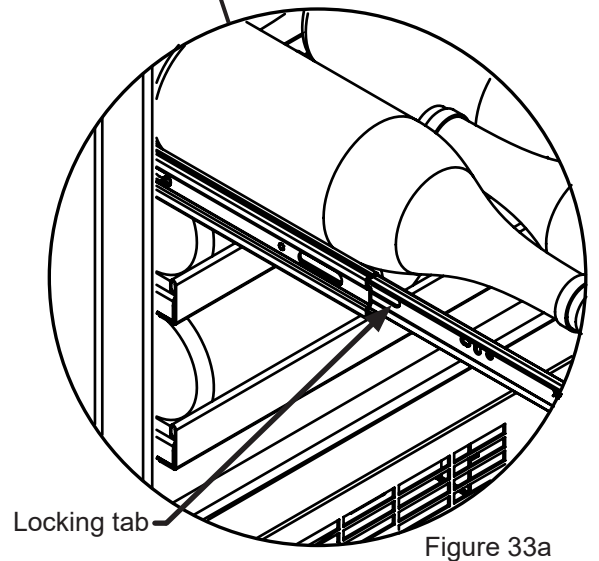


Figure 33a

CARE AND CLEANING

Front Grille

Be sure that nothing obstructs the required air flow openings in front of the cabinet. At least once or twice a year, brush or vacuum lint and dirt from the front grille area (see page 8).



CAUTION

SHOCK HAZARD: Disconnect electrical power from the appliance before cleaning with soap and water.

Cabinet

The painted cabinet can be washed with either a mild soap and water and thoroughly rinsed with clear water. NEVER use abrasive scouring cleaners.

Interior

Wash interior compartment with mild soap and water. Do NOT use an abrasive cleaner, solvent, polish cleaner or undiluted detergent.

Care of Appliance

1. Avoid leaning on the door, you may bend the door hinges or tip the appliance.
2. Exercise caution when sweeping, vacuuming or mopping near the front of the appliance. Damage to the grille can occur.
3. Periodically clean the interior of the appliance as needed.
4. Periodically check and/or clean the front grille as needed.

In the Event of a Power Failure

If a power failure occurs, try to correct it as soon as possible. Minimize the number of door openings while the power is off so as not to adversely affect the appliance's temperature.

Light assembly replacement

All models use an LED to illuminate the interior of the appliance. This component is very reliable, but should it fail, contact a qualified service technician for replacement of the LED.

EXTENDED NON-USE

Vacation/Holiday, Prolonged Shutdown

The following steps are recommended for periods of extended non-use:

1. Remove all consumable content from the unit.
2. Disconnect the power cord from its outlet/socket and leave it disconnected until the unit is returned to service.
3. If ice is on the evaporator, allow ice to thaw naturally.
4. Clean and dry the interior of the unit. Ensure all water has been removed from the unit.
5. The door must remain open to prevent formation of mold and mildew. Open door a minimum of 2" (50 mm) to provide the necessary ventilation.

Winterization

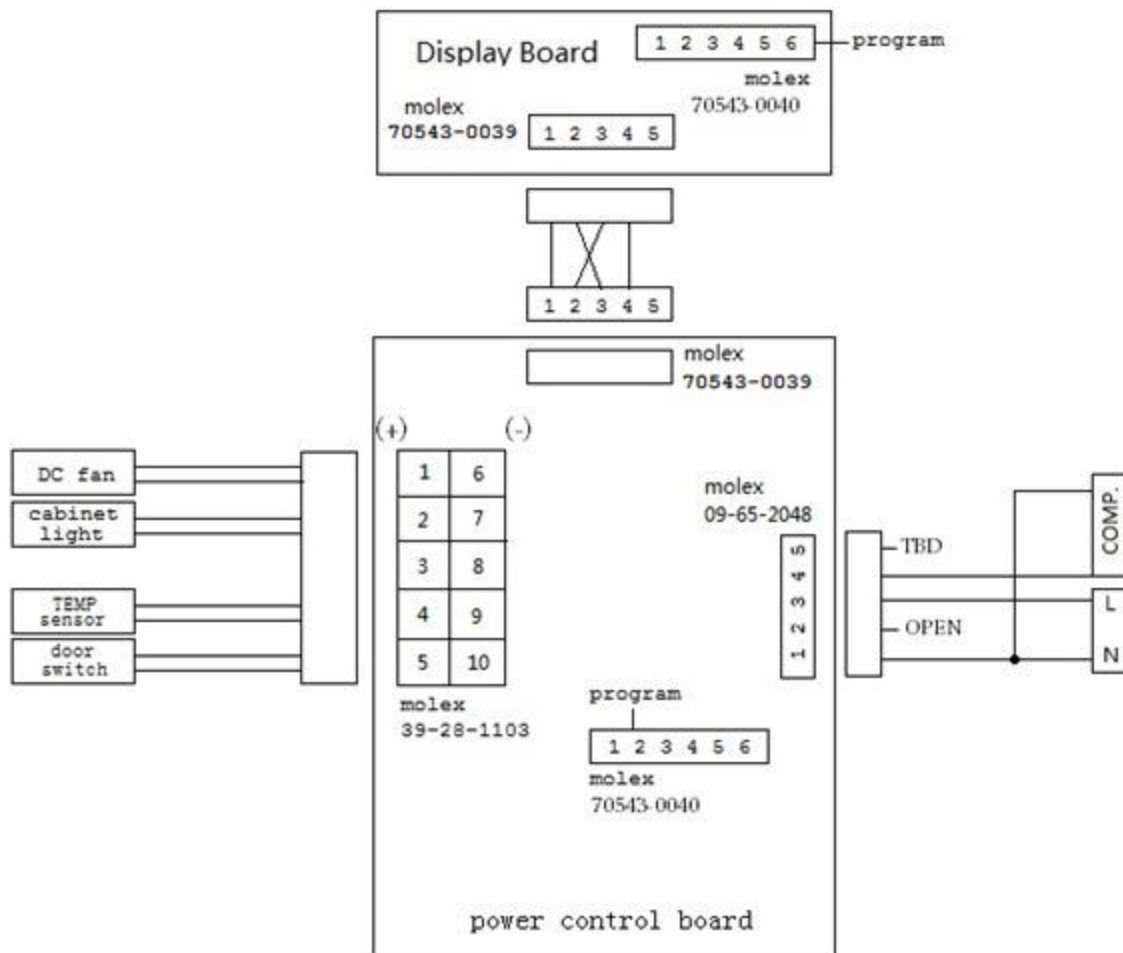
If the unit will be exposed to temperatures of 40° F (5° C) or less, the steps above must be followed.

For questions regarding winterization, please call Marvel at (616) 754-5601.



CAUTION

Damage caused by freezing temperatures is not covered by the warranty.



Product Liability

Field service technicians are authorized to make an initial assessment in the event of reported damages. If there are any questions about the process involved, the technician should call Northland for further explanation.

While inspecting for defects or installation issues, photos should be taken to document any damages or issues found.

During the assessment, if the service technician is able to find the source of the damage and it can be resolved by replacement of a part, the servicer is authorized to replace the part in question. The part that caused the damage must be returned to Northland in its entirety. The part must be clearly labeled with the serial number of the unit it was removed from, the date, and the servicer who removed the part.

If the service technician determines the damage is the result of installation issues (water connection/drain, etc.), the consumer would be notified and the issues shall be resolved at the direction of the consumer.

If damage is evident and the service technician is unable to find the source, Northland must be contacted at 616-619-0010 for further direction.

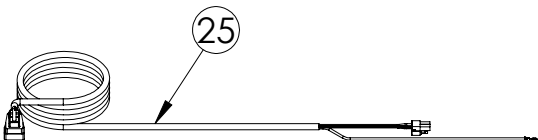
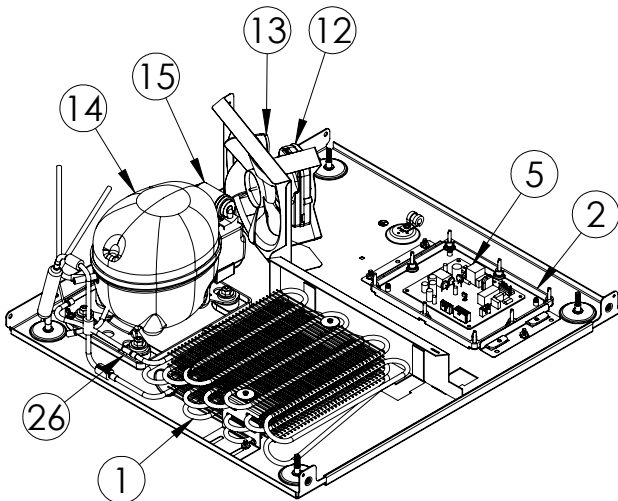
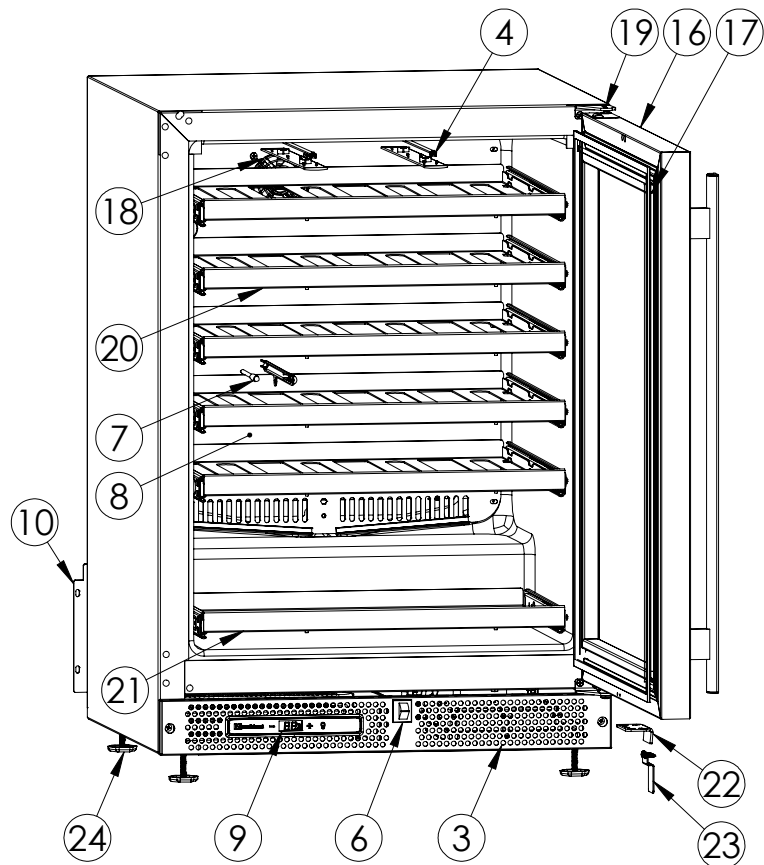
1260 E. Van Deinse St • Greenville, MI 48838

T: +1.616.619.0010

Website: www.northlandamerica.com

Service Parts List

marvelrefrigeration.com
616-754-5601



NHWC124-SG01A		
ITEM	DESCRIPTION	MARVEL P/N
1	CONDENSER ASSEMBLY	S41015869
2	MAIN CONTROL BOARD KIT	S42088820
3	GRILLE	S52135674-SS
4	LED LIGHT STRIP	S68100
5	CONTROL BOARD	S68176
6	BLACK ROCKER SWITCH	42246922
7	THERMISTOR ASSEMBLY	S41015903-BLK
8	EVAPORATOR ASSEMBLY	42249115
9	UI DISPLAY KIT	S68166-03
10	ACCESS COVER	S41015716
11	MECHANICAL HARNESS KIT*	S41015773
12	CONDENSER FAN MOTOR	42249159
13	CONDENSER FAN BLADE	42248160
14	COMPRESSOR ASSEMBLY	S41015395
15	COMPRESSOR ELECTRICALS	S41015921
16	DOOR ASSEMBLY	S42038684
17	DOOR GASKET	S31580-035
18	EVAP FAN	42249149
19	HINGE PKG	S52411635-CHR
20	WINE SHELF	S42138890
21	BOTTOM WINE SHELF	S42138891
22	DOOR STOP	S41015708-SS
23	STRIKER PLATE	S41016234-SS
24	LEG LEVELERS (4)	42243808
25	POWER CORD	S41050606
26	DRAIN PAN	S41013227
27	CARTON ASSEMBLY*	42249633

* NOT PICTURED

Ordering Replacement Parts

Contact:

www.northlandamerica.com

Phone Number: (616) 619-0010

NOTICE

Use only genuine Northland replacement parts.

The use of non-Northland parts can reduce performance, damage the unit, and void the warranty.

Warranty parts will be shipped at no charge after Northland confirms warranty status. Please provide the model, serial number, part number and part description. Some parts will require color or voltage information.

Northland requires the return of original parts, we will inform you when the parts order is taken. This requirement will be noted on your packing list. A prepaid shipping label will be emailed to you. Please enclose a copy of the parts packing list and be sure the model and serial numbers are legible on the paperwork. Tag the part with the reported defect.

Ordering Replacement Parts

HOUSEHOLD PRODUCT WARRANTY

Northland Refrigeration (Northland) Limited Warranty

ONE YEAR LIMITED PARTS & LABOR WARRANTY

For one year from the date of original purchase, this warranty covers all parts and labor to repair or replace any part of the product that proves to be defective in materials or workmanship. For products installed and used for normal residential use, material cosmetic defects are included in this warranty, with coverage limited to 60 days from the date of original purchase. All service provided by Northland under the above warranty must be performed by a Northland factory authorized servicer, unless otherwise specified by Northland. Service provided during normal business hours.

WARRANTY TERMS

These warranties apply only to products installed in any one of the fifty states of the United States, the District of Columbia, or the ten provinces of Canada. The warranties do not cover any parts or labor to correct any defect caused by negligence, accident or improper use, maintenance, installation, service, repair, acts of God, fire, flood or other natural disasters. The product must be installed, operated, and maintained in accordance with the Northland User Guide.

The remedies described above for each warranty are the only ones that Northland will provide, either under these warranties or under any warranty arising by operation of law. Northland will not be responsible for any consequential or incidental damages arising from the breach of these warranties or any other warranty, whether express, implied, or statutory. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. These warranties give you specific legal rights, and you may also have other rights which vary from state to state.

Any warranty that may be implied in connection with your purchase or use of the product, including any warranty of merchantability or any warranty fit for a particular purpose is limited to the duration of these warranties, and only extends to five years in duration for the parts described in the section related to the five year limited warranty above. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

- The warranties only apply to the original purchaser and are non-transferable.
- These warranties cover products installed and used for normal residential use only.
- The warranties apply to units operated outside only if designed for outdoor use by model and serial number.
- Replacement water filters, light bulbs, and other consumable parts are not covered by these warranties.
- The start of Northland's obligation is limited to four years after the shipment date from Northland.
- In-home instruction on how to use your product is not covered by these warranties.
- Food, beverage, and medicine loss are not covered by these warranties.
- If the product is located in an area where Northland factory authorized service is not available, you may be responsible for a trip charge or you may be required to bring the product to a Northland factory authorized service location at your own cost and expense.
- Units purchased after use as floor displays, and/or certified reconditioned units, are covered by the limited one year warranty only and no coverage is provided for cosmetic defects.

Northland Corporation
1260 E. Van Deinse St. Greenville, MI 48838
+1.616.619.0010



www.northlandamerica.com

Northland

1260 E. Van Deinse St.
Greenville MI 48838

616-754-5601

All specifications and product designs subject to change without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions, replacements or compensation for previously purchased products.