



OWNER'S GUIDE & SERVICE MANUAL

MARVEL UNDERCOUNTER REFRIGERATION



Model: MOCR215-SS01A

WELCOME

Welcome to the Marvel Experience!

Thank you for choosing our quality American-built product to add to your home. We are thrilled to welcome you to our growing community of Marvel owners, who trust in our products and our support.

The information in this guide is intended to help you install and maintain your new Marvel undercounter model to protect and prolong its lifetime. We encourage you to contact our Technical Support team at (616) 754-5601 with any questions.

Got a Marvelous Design?

We would love to see how your Marvel product looks in its new home. You can send us photos of your installed product at marketing@marvelrefrigeration.com, and we might feature your Marvel home design on our website and social media!

Warranty Registration

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

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


Serial Plate Location Typically adhered to top-right inside of unit	MARVEL GREENVILLE, MI 48838	
	MODEL NO: MLBV224-SS01A	
	SERIAL NO: 1911111010001	
	115 V 60 Hz 1.0 A 1 PHASE	
	35 G R600A	
	FACTORY ID: 111111	

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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.



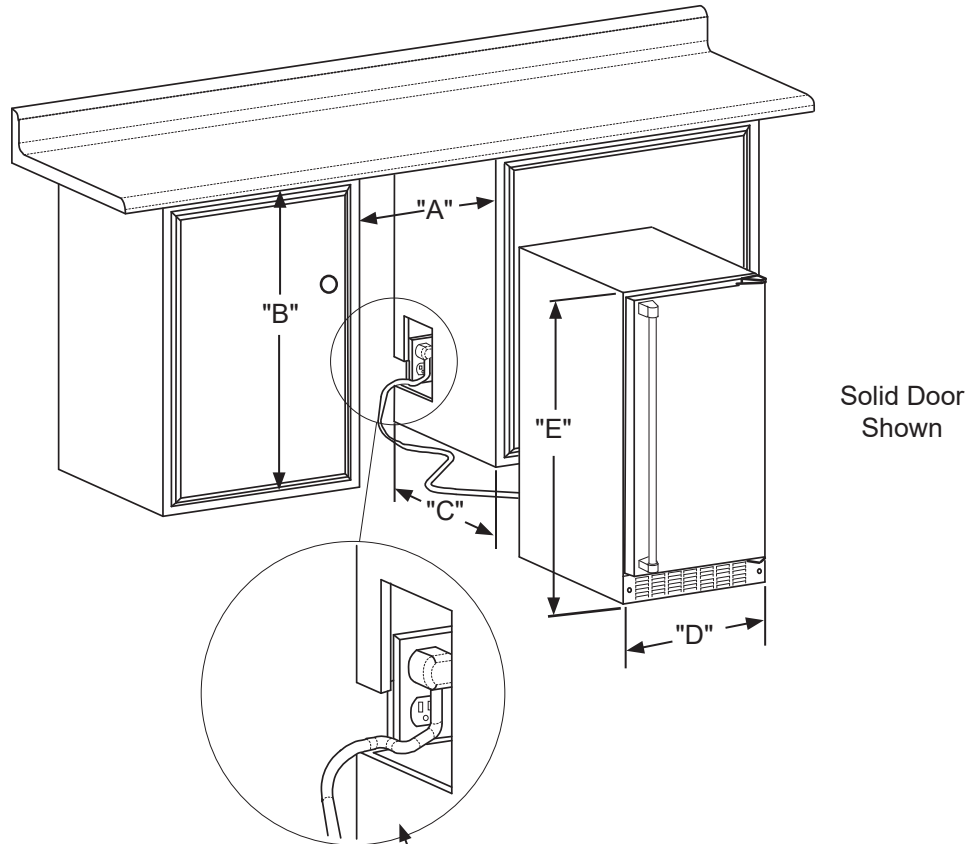
WARNING

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.

CUTOUT AND PRODUCT DIMENSIONS

ROUGH-IN OPENING DIMENSIONS			CABINET DIMENSIONS					
"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"J"
15-1/4" (38.7 cm)	34-1/4" to 35-1/4" (87 cm to 89.5 cm)	24" (61 cm)	14-7/8" (37.8 cm)	34-1/8" to 35-1/8" (86.7 cm to 89.2 cm)	22-1/4" (56.5 cm)	24-1/8" (61.3 cm)	36-3/16" (91.9 cm)	17-1/2" (44.4 cm)



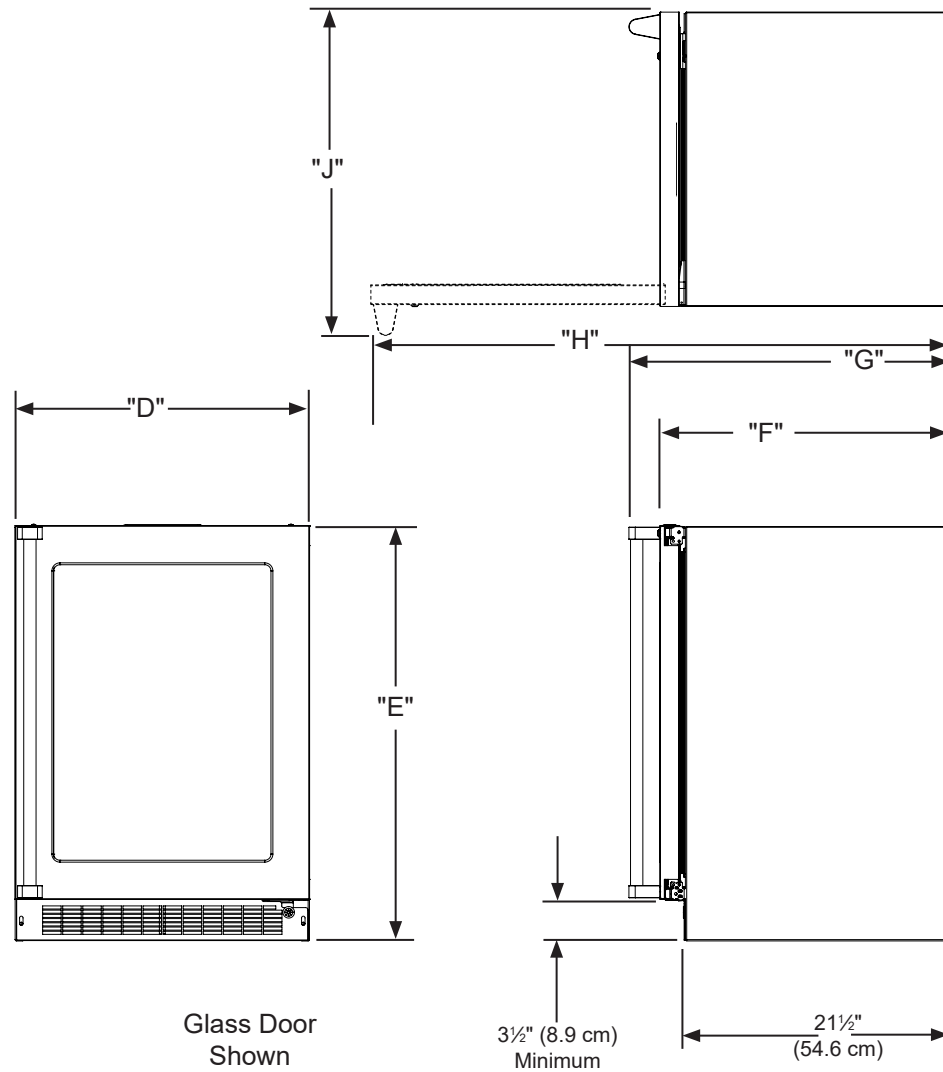
Solid Door
Shown



If necessary, to gain clearance inside the rough-in opening, a hole can be cut through the adjacent cabinet and the power cord routed through this hole to a power outlet. Another way to increase the available opening depth is to recess the power outlet into the rear wall to gain the thickness of the power cord plug. Not all recessed outlet boxes will work for this application as they are too narrow, but a recessed outlet box equivalent to Arlington #DVFR1W is recommended for this application.

CUTOUT AND PRODUCT DIMENSIONS

PRODUCT DATA	
ELECTRICAL REQUIREMENTS #	PRODUCT WEIGHT
115V/60Hz/15A	105 lbs (47.6 kg)



Minimum rough-in opening required is to be larger than the adjusted height of the cabinet.

A grounded 15 amp dedicated circuit is required. Follow all local building codes when installing electrical and appliance.

Side-by-Side Installation

Two units may be installed side-by-side.

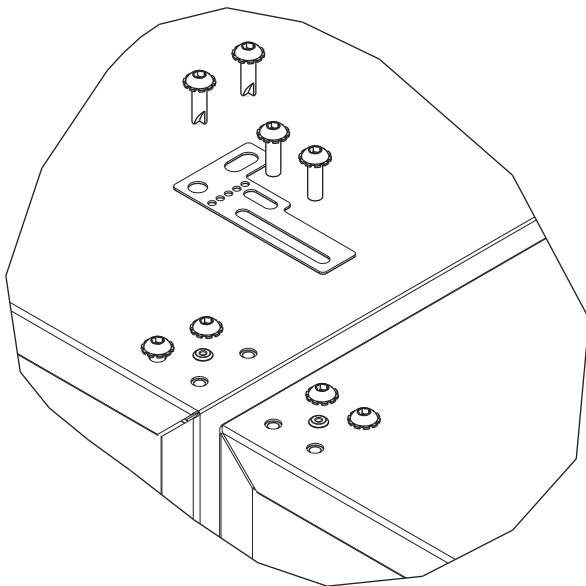
Cutout width for a side-by-side installation is the cutout dimension of a single unit times two.

No trim kit is required. However, 1/4" (6 mm) of space needs to be maintained between the units to ensure unobstructed door swing.

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

Side-by-Side Installation with Bracket

1. Slide both units out so screws on top of units are easily accessible.
2. Remove screws as shown below.

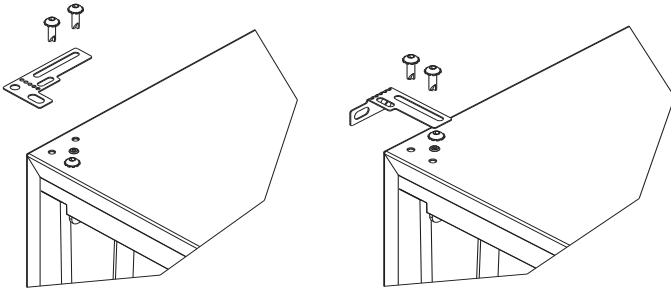


3. Place bracket over holes and attach to unit with two screws removed in step 2 using a T-25 Torx driver. Tighten screws fully.
4. Gently push units into position. Be careful not to entangle the electrical cord or water line, if applicable.
5. Re-check the leveling, from front to back and side to side. Make any necessary adjustments. The unit's top surface should be approximately 1/8" (3 mm) below the countertop.

INSTALLING THE ANTI-TIP DEVICE

Anti-Tip Bracket

1. Slide unit out so screws on top of unit are easily accessible.
2. Remove the two screws from the opposite side of the hinge assembly using a T-25 Torx driver (see below).



3. Place bracket over holes and attach to unit with two screws removed in step 2 using a T-25 Torx driver. Tighten screws fully.
4. Gently push unit into position. Be careful not to entangle the electrical cord or water line, if applicable.
5. Check to be sure the unit is level from front to back and side to side. Make any necessary adjustments. The unit's top surface should be approximately $\frac{1}{8}$ " (3 mm) below the countertop.
6. Secure bracket into adjoining surface.

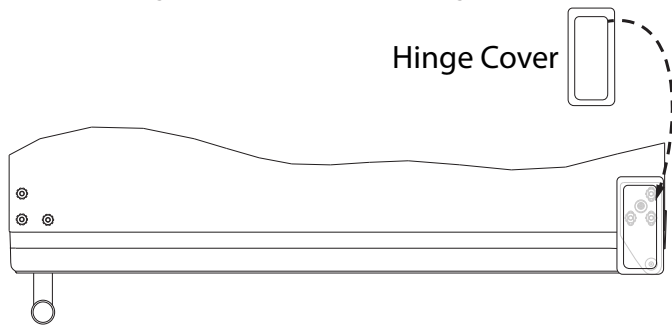
Door Adjustments

HINGE COVER

Hinge cover included with the literature bag is optional.

To install hinge cover:

1. Press hinge cover squarely over hinge.



DOOR ALIGNMENT AND ADJUSTMENT

Align and adjust the door if it is not level or is not sealing properly. If the door is not sealed, the unit may not cool properly, or excessive frost may form in the interior.

NOTICE

Properly aligned, the door's gasket should be firmly in contact with the cabinet all the way around the door (no gaps). Carefully examine the door's gasket to ensure that it is firmly in contact with the cabinet. Also make sure the door gasket is not pinched on the hinge side of the door.

To align and adjust the door:

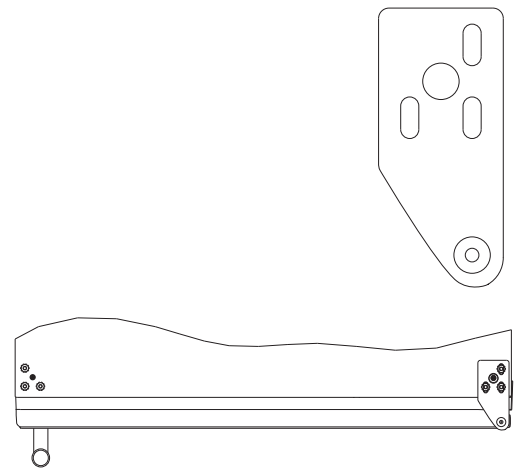
1. Gently pry off hinge cover from top of unit.
2. Loosen (do not remove) top and bottom hinge screws using a Torx T-25 screwdriver.
3. Align door squarely with cabinet.
4. Make sure gasket is firmly in contact with cabinet all the way around the door (no gaps).
5. Tighten bottom hinge screws.
6. Tighten top hinge screws and replace hinge cover.

REVERSING THE DOOR

Location of the unit may make it desirable to mount the door on the opposite side of the cabinet.

The hinge hardware will be removed and reinstalled on the opposite side of the cabinet.

TO REVERSE THE DOOR

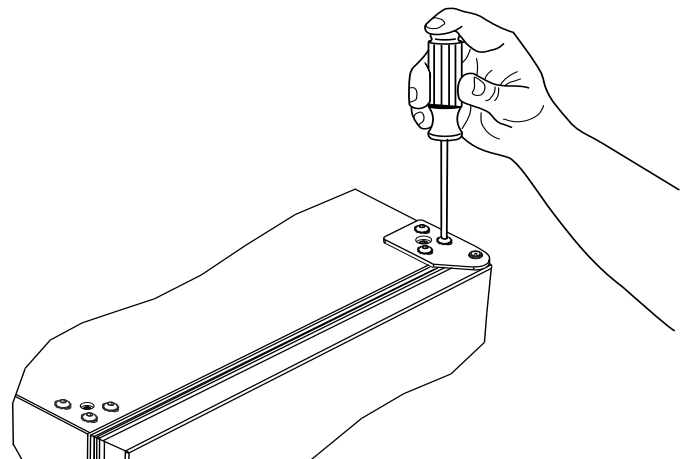


Remove grille:

Remove the grille (see GRILLE INSTALLATION section of this guide).

Remove top hinge and door:

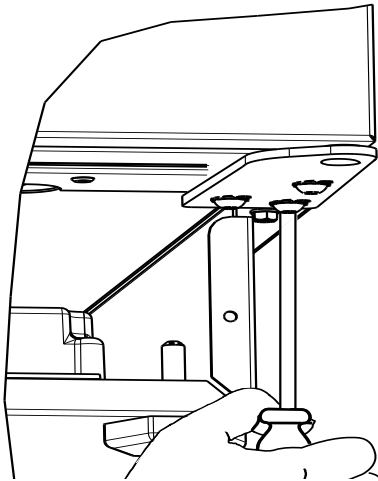
1. Hold door to keep it from falling.
2. Remove top hinge from cabinet using a Torx T-25 screwdriver to remove three screws. Set aside and save for possible future use.



3. Remove door by tilting forward and lifting door off bottom hinge. Retain shoulder washers; they will be reused.
4. Remove three screws from hinge holes on the opposite side. Reinstall into holes where the hinge was removed. (If utilizing supplied screw cover, install just one screw.)

Remove bottom hinge:

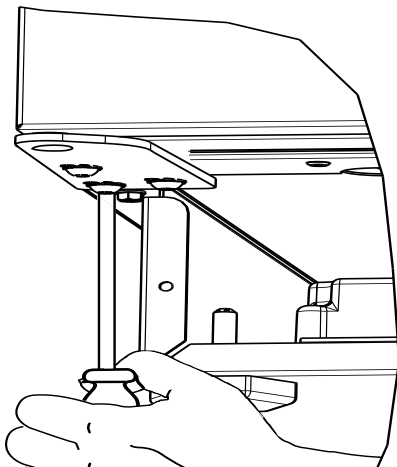
1. Remove bottom hinge from cabinet using a T-25 TORX screw driver to remove three screws.



2. Remove corresponding screws on opposite side of cabinet. On some models there may be a nut behind one or both screws on either side.

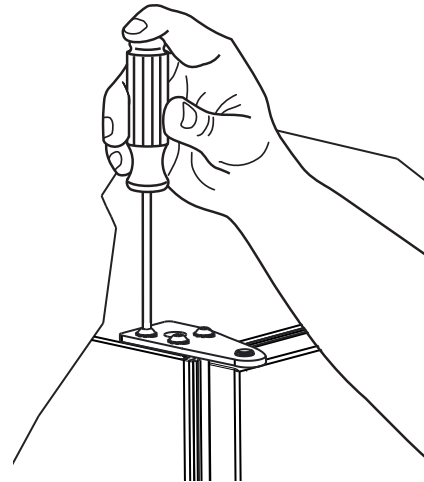
Install bottom hinge:

Install two or three screws, depending on model. Replace nuts if used.



Install top hinge and door:

1. Install hinge with longer straight edge aligned to outside edge of cabinet. Do not tighten.



2. Rotate door 180° and set on bottom hinge.
3. Align edge of the hinge with the outer edge of the unit.
4. Tighten three hinge screws.

Align and adjust the door:

Align and adjust the door (see DOOR ALIGNMENT AND ADJUSTMENT)

Install grille and hinge cover

INSTALLING THE WATER SUPPLY

Water Supply

! CAUTION

Observe and follow all local building codes when installing this appliance.

This ice machine must be connected to a potable cold water supply line, delivering water pressure between a minimum of 20 psi and a maximum of 120 psi.

Use 1/4" copper tubing for your water supply which is available at any local hardware or plumbing supply store. Route the 1/4" copper tubing to suit your installation being sure not to kink the tubing. Purchase enough copper tubing length to allow a coil to be formed behind the unit for a "service loop" which will allow the appliance to be pulled out from the installation for servicing or cleaning. Connect the copper tubing to the "top side" of a cold water pipe to prevent the ice-maker from plugging with sediment.

A shutoff valve is recommended on the water supply line to ease servicing the appliance. **NOTE: A SELF-PIERCING TYPE VALVE IS NOT RECOMMENDED** as they are prone to clogging with sediment which will create pressure drop reducing the water supply to the unit.

Connect the copper tubing water supply to the water valve inlet with a 1/4" compression nut fitting.

IMPORTANT: Secure the water supply line to the back of the cabinet with the screw and strain relief clamp provided in the corner of the back panel.

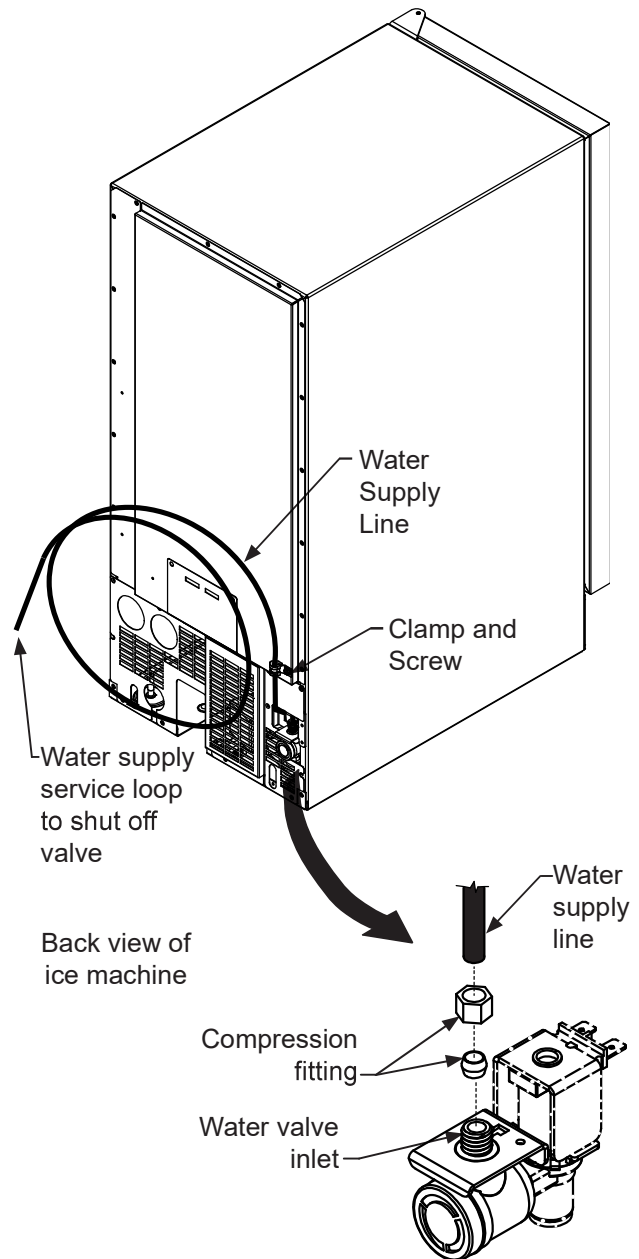
Make certain all connections are watertight after installation. Form the tubing so that it will not vibrate against the cabinet body or kink when your appliance is moved in and out of position.

This ice machine is designed to make clear ice from the majority of water sources on a daily basis. If your results are unsatisfactory, your water may need to be filtered or treated. A water specialist can recommend proper water treatment.

! CAUTION

To prevent water leaks:

- The water line fitting is to be used with copper tubing only. Do not use with plastic tubing.
- Do not use any thread sealers on this water line fitting.



NOTE

Reverse osmosis, (RO), water, softened water, and de-ionized water are not recommended as they can adversely affect the quality and quantity of the ice.

ICE MAKER OPERATION

Ice Maker Operation

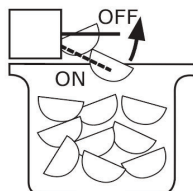
When the ice bucket is full, the ice making mechanism will shut off. However, the refrigeration system will continue to cool and maintain the ice supply.

NOTE

Do not place cans or bottles in the ice compartment because they will freeze.

To turn off ice production:

Raise the bin arm into an upright and locked position. The unit will preserve temperature for ice storage.



NOTE

If not intending to use the ice maker, turn the water supply valve off. It is also important to raise the bin arm of the ice maker (see above). Failure to raise the bin arm may result in damage to the water valve.

Certain sounds are normal during the unit's operation. You may hear the compressor or fan motor, the water valve, or ice dropping into the ice bucket.

! CAUTION

NEVER use an ice pick, knife or other sharp instrument to separate cubes. Shake the ice bucket instead.

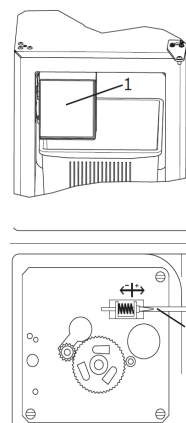
During periods of limited use or high ambient temperatures, it is common for cubes to fuse together. Gently shake the bucket to break apart cubes. If not using the ice maker regularly, empty the ice bucket periodically to ensure fresh cubes. It is normal for cubes to appear cloudy. The cause is air trapped in the water because of fast freezing. It is not caused by the health, taste or chemical make up of the water. It is the same air that is in every glass of water you drink. Remove the ice bucket for emptying and cleaning. To remove the ice bucket, raise the bin arm and remove the bucket from the ice compartment. Use the ice bucket for ice storage only.

Ice Cube Thickness Adjustment

Interval - As Required.

On ice maker equipped models, adjust the cube size by changing water amount injected into the ice maker assembly as follows:

1. Remove the ice maker assembly cover (1).
2. Find the adjusting screw on the ice maker assembly control box (2). The adjusting screw is just below the minus (-) and plus (+) signs on the control box.



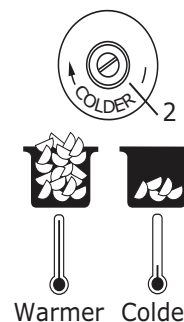
! CAUTION

Too large of an adjustment to the screw can cause the water to overflow the ice maker and can cause property damage.

3. Turn the adjusting screw toward the minus (-) sign (clockwise) for smaller cubes or toward the plus (+) sign (counterclockwise) for larger cubes.
4. Install the ice maker assembly cover.

Adjusting Ice Harvest

1. Remove the front grille.
2. Using a flat tip screwdriver, turn the adjusting screw (3) a small increment clockwise for a COLDER setting (slower ice production) or counterclockwise for a WARMER setting (faster ice production).
3. Reinstall the front grille (two screws).



STAINLESS STEEL MAINTENANCE

Background

Stainless steel does not stain, corrode, or rust as easily as ordinary steel, but it is not stain or corrosion proof. Stainless steels can discolor or corrode if not maintained properly.

Stainless steels differ from ordinary carbon steels by the amount of chromium present. It is this chromium that provides an invisible protective film on the surface called chrome-oxide. This protective chrome-oxide film on the surface can be damaged or contaminated, which may result in discoloration, staining, or corrosion of the base metal.

Care & Cleaning

Routine cleaning of the stainless steel surfaces will serve to greatly extend the life of your product by removing contaminants. This is especially important in coastal areas which can expose the stainless to severe contaminants such as halide salts, (sodium chloride).

It is strongly recommended to periodically inspect and thoroughly clean crevices, weld points, under gaskets, rivets, bolt heads, and any locations where small amounts of liquid could collect, become stagnant, and concentrate contaminants. Additionally, any mounting hardware that is showing signs of corrosion should be replaced.

Frequency of cleaning will depend upon the installation location, environmental, and usage conditions.

Choosing a Cleaning Product

The choice of a proper cleaning product is ultimately that of the consumer, and there are many products from which to choose. Depending upon the type of cleaning and the degree of contamination, some products are better than others.

Typically the most effective and efficient means for routine cleaning of most stainless steel products is to give the surfaces a brisk rubbing with a soft cloth soaked in warm water and a gentle detergent, or mild mixture of ammonia. Rubbing should, to the extent possible, follow the polish lines of the steel, and always insure thorough rinsing after cleaning.

Although some products are called "stainless steel cleaners," some may contain abrasives which could scratch the surface, (compromising the protective chrome-oxide film), and some many contain chlorine bleach which will dull, tarnish or discolor the surface if not completely removed.

After the stainless surfaces have been thoroughly cleaned, a good quality car wax may be applied to help maintain the finish.

NOTE

Stainless steel products should never be installed, or stored in close proximity to chlorine chemicals.

Whichever cleaning product you chose, it should be used in strict accordance with the instructions of the cleaner manufacturer.

LONG-TERM STORAGE / WINTERIZATION:

Outdoor Product Long-Term Storage / Winterization:

1. Time to Winterize, when the daily low ambient temperature is at or below 38°F (3.3°C).



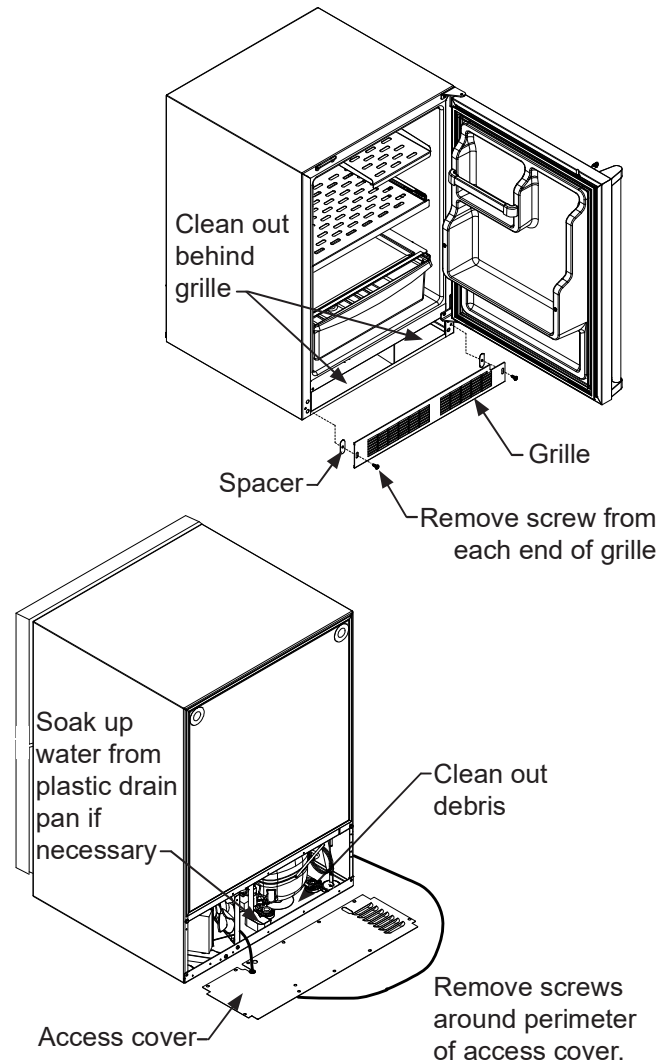
CAUTION

Operation of the unit at ambient temperatures below the recommended Winterization temperature will void your warranty.

2. Turn unit off, (see page 10)
3. Remove all contents.
4. If necessary, move the unit so you can gain access to the rear of the product.
5. Unplug the unit from the power outlet.
6. It is also recommended that the power to the outlet be turned-off if the circuit is not required for other items during the Winter season.
7. When cleaning unit pay particular attention to any cracks and crevices that may have accumulated dirt.
8. Remove the front toe-grille, and use a brush and vacuum to clean dirt and debris.
9. Thoroughly clean the toe-grille and re-install on the unit.
10. Remove the rear access cover, and use a brush and vacuum to clean dirt and debris from the machine compartment.
 - If the plastic defrost drain pan located under the compressor contains water, use a sponge to remove as much water as possible.
11. Thoroughly clean the rear access cover and re-install on the unit.
12. Wipe down all interior surfaces with anti-bacterial cleaner to be followed with clean rinse water to remove any residual chemicals which could cause staining. Do not use any abrasive cleaners or scouring pads.
13. Leave the door open and allow to completely dry out before closing the door.
14. Thoroughly clean the door gasket with anti-bacterial cleaner to be followed with clean rinse water to remove any residual chemicals.
15. Thoroughly clean the exterior with a cleaner approved for stainless steel. Do not use any abrasive cleaners or scouring pads. See "Stainless Steel Maintenance".
16. Any mounting hardware / fasteners that are showing signs of corrosion should be replaced.
17. Once the exterior has been thoroughly cleaned, you may want to apply a coating of car wax to help protect against spotting from moisture, dirt, and debris that may accumulate on the surfaces during the Winterization period.

18. Do not place a cover on the unit, as this can trap condensation.

After completion of the above, you may choose to store the unit indoors, although this is not required.



Start-Up After Long-Term Storage:

1. If stored outside, it is recommended that the unit again be thoroughly inspected per the storage instructions above to address any dirt or debris from the weather and/or animals/insects.
2. Connect the unit to electrical power.
3. Turn unit on and confirm your desired control settings.
4. Allow 24-hrs for the unit to stabilize before loading contents.

OBTAINING SERVICE

If Service is Required:

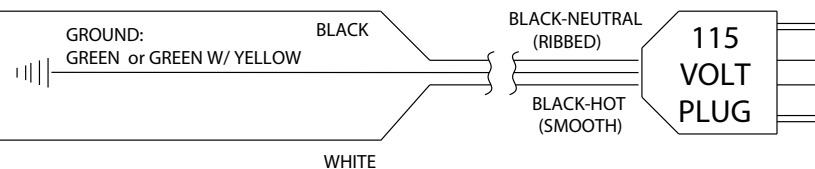
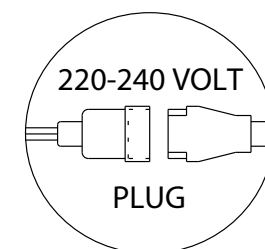
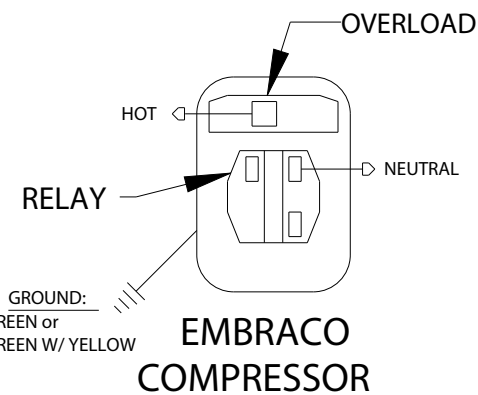
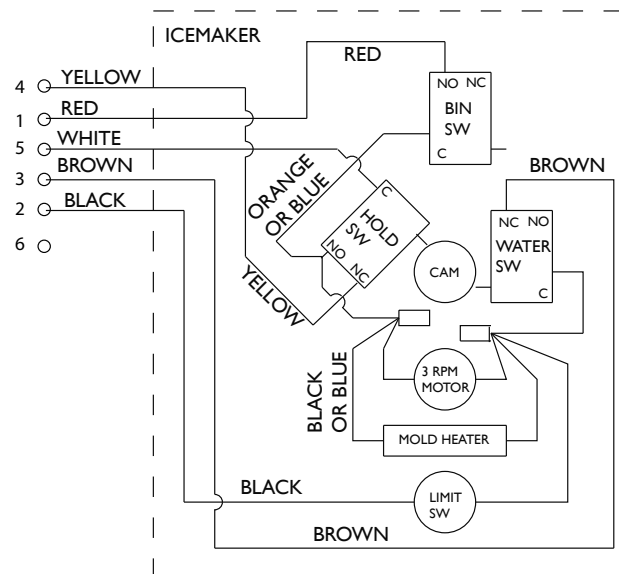
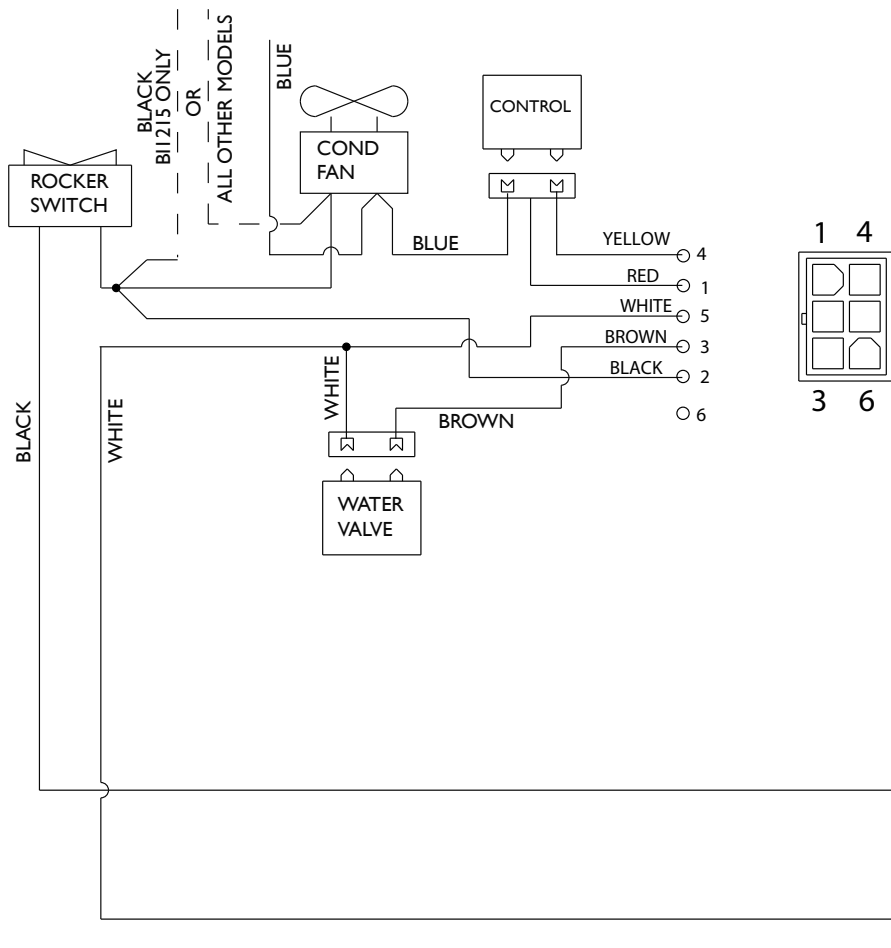
- If the product is within the first year warranty period please contact your dealer or call Marvel Customer Service at 616.754.5601 for directions on how to obtain warranty coverage in your area.
- If the product is outside the first year warranty period, Marvel Customer Service can provide recommendations of service centers in your area. A listing of authorized service centers is also available at www.marvelrefrigeration.com under the service and support section.
- In all correspondence regarding service, be sure to give the service number, serial number, and proof of purchase.
- Try to have information or description of nature of the problem, how long the appliance has been running, the room temperature, and any additional information that may be helpful in quickly solving the problem.
- Table "B" is provided for recording pertinent information regarding your product for future reference.

For Your Records	
Date of Purchase	
Dealer's name	
Dealer's Address	
Dealer's City	
Dealer's State	
Dealer's Zip Code	
Appliance Serial Number	
Appliance Service Number	
Date Warranty Card Sent (Must be within 10 days of purchase).	

Table B

MANUAL CONTROL ICEMAKER & COMBO

SEE COMPRESSOR
DIAGRAMS



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 Marvel 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 Marvel 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, Marvel must be contacted at 616.754.5601 for further direction.

1260 E. Van Deinse St • Greenville, MI 48838

T: +1.616.754.5601

Website: www.marvelrefrigeration.com

The original refrigeration experts since 1892.



Warranty Claims

The following information defines the parameters for filing a warranty claim:

- Valid serial number needed
- Valid model number needed
- Claims must be submitted online at www.marvelservice.com
- 60 day submittal deadline from date of completed service
- Only one repair or unit per warranty claim
- Part order numbers will be required when submitting for warranty labor

Units must be registered prior to warranty submittal. Customers may register at www.marvelrefrigeration.com. A proof of purchase is required. We also accept the following information to update warranty:

- New construction occupancy documents
- Closing paperwork
- Final billing - Remodel

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

17 14862 05 0527			
Year	Month	Day	Factory use Only

Ordering Replacement Parts

Parts may be ordered online at partsformarvel.com

Or contact:

www.marvelrefrigeration.com (Servicers choose "Login" for service account).

Phone Number: (616) 754-5601

NOTICE

Use only genuine Marvel replacement parts. The use of non-Marvel parts can reduce performance, damage the unit, and void the warranty.

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

Marvel 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.

Customers and non-authorized servicers may order non-warranty parts at www.partsformarvel.com. Authorized servicers with a servicer login may order non-warranty parts at www.marvelrefrigeration.com.

System Diagnosis Guide

REGRIGERATION SYSTEM DIAGNOSIS GUIDE

System Condition	Suction Pressure	Suction Line	Compressor Discharge	Condenser	Capillary Tube	Evaporator	Wattage
Normal	Normal	Slightly below room temperature	Very hot	Very hot	Warm	Cold	Normal
Overcharge	Higher than normal	Very cold may frost heavily	Slightly warm to hot	Hot to warm	Cool	Cold	Higher than normal
Undercharge	Lower than normal	Warm-near room temperature	Hot	Warm	Warm	Extremely cold near inlet - Outlet below room temperature	Lower than normal
Partial Restriction	Somewhat lower than normal vacuum	Warm-near room temperature	Very hot	Top passes warm - Lower passes cool (near room temperature) due to liquid	Room temperature (cool) or colder	Extremely cold near inlet - Outlet below room temperature backing up	Lower than normal
Complete Restriction	In deep vacuum	Room temperature (cool)	Room temperature (cool)	Room temperature (cool)	Room temperature (cool)	No refrigeration	Lower than normal
No Gas	0 PSIG to 25"	Room temperature (cool)	Cool to hot	Room temperature (cool)	Room temperature (cool)	No refrigeration	Lower than normal

Troubleshooting - Extended

CAUTION

Never attempt to repair or perform maintenance on the unit until the main electrical power has been disconnected from the unit.

SPECIFIC ERRORS AND ISSUES

The advanced diagnostic capabilities of the electronic controls utilized on the 1, 3, and 5 Class units allow for easy and thorough troubleshooting.

Navigation of the control is the key and is explained in the CONTROL OPERATION section of the manual, along with control button layout, control function descriptions, a service mode menu and service menu selection explanations.

Verification of temperature and thermistor performance can be identified by directly viewing thermistor readings in the service mode.

Included in this section are some diagnostic tips and of course, if additional help is required, please contact the Marvel Refrigeration, "Customer Care Facility" at 616.754.5601 for assistance.

NORMAL OPERATING SOUNDS

All models incorporate rigid foam insulated cabinets to provide high thermal efficiency and maximum sound reduction for its internal working components. Despite this technology, your model may make sounds that are unfamiliar.

Normal operating sounds may be more noticeable because of the unit's environment. Hard surfaces such as cabinets, wood, vinyl or tiled floors and paneled walls have a tendency to reflect normal appliance operating noises.

Listed below are common refrigeration components with a brief description of the normal sounds they make. NOTE: Your product may not contain all the components listed.

- Compressor: The compressor makes a hum or pulsing sound that may be heard when it operates.
- Evaporator: Refrigerant flowing through an evaporator may sound like boiling liquid.
- Condenser Fan: Air moving through a condenser may be heard.
- Automatic Defrost Drain Pan: Water may be heard dripping or running into the drain pan when the unit is in the defrost cycle.

Solenoid Valves: An occasional clicking sound may be heard as solenoid valves are operated.

TROUBLESHOOTING GUIDE

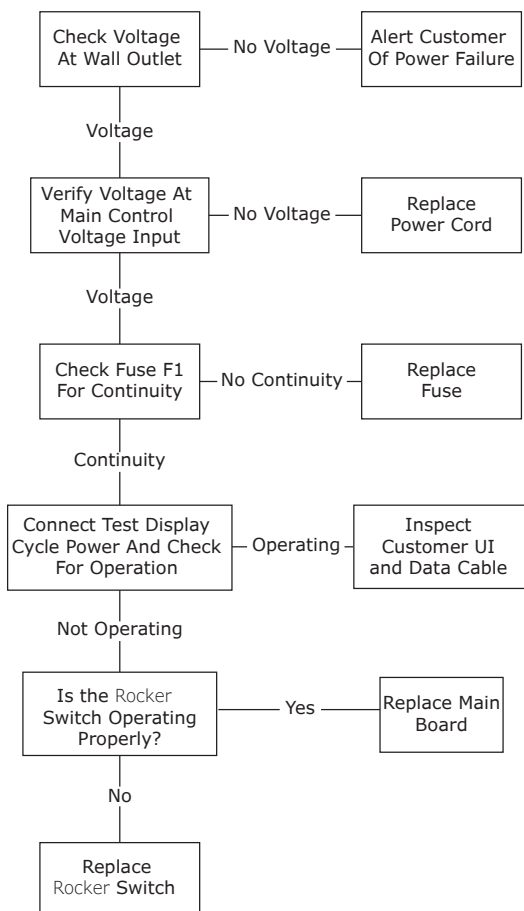
Concern	Potential Causes	Action
Not Cooling	Compressor overheating	Verify proper air flow through condenser. Is condenser clean?
		Confirm condenser fan operation.
	Compressor not operating	Test overload and relay, replace as needed.
	Compressor operating - no cooling	Refer to System Diagnosis Guide.
Frozen Product	Control set too cold	Adjust Set Point Temp accordingly.
	Thermistor failure	Check Error Log in Service Mode, OHM thermistor.
Frost Buildup Inside Unit	Door Ajar or Restricted from Closing	Check door clearance to adjoining cabinetry. Check distribution of product in unit.
	Thermistor failure	OHM thermistor
Display Not Working	Display unplugged	Verify that both ends of the display wiring are firmly connected.
	Display wiring broken or damaged	Perform continuity test of wiring and replace as needed.
Interior Lights Not Working	Door switch misaligned or defective	Check the function of reed switch and door magnet adjustment.
Noisy	Refrigeration tubing touching cabinet	Carefully reposition tubing.
	Fan blade obstruction (wiring, foam insulation, packaging material)	Remove obstruction.

MAIN CONTROL

The main control board is very robust and is rarely the cause of system issues. It is important to fully diagnose the board for any suspected failures before attempting to remove the board for replacement or service. Follow the guidelines below to fully test and diagnose the main control.

Power Fault

If the unit does not (or seems to not) power on, follow the flow chart below to help diagnose the issue. Before beginning it is important to first verify the unit is not simply set to sabbath mode.

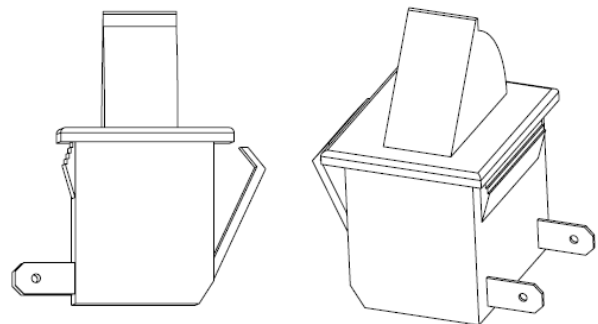


⚠ CAUTION

Precautions must be taken while working with live electrical equipment. Be sure to follow proper safety procedures while performing tests on live systems.

ROCKER SWITCH

A rocker switch is used to monitor door state. When the door is closed it comes into contact with the rocker which closes a circuit which turns the light and display off. When the door is open the rocker moves outward and opens the circuit. If the door is left open for longer than 5 minutes the switch will trigger an error code and set an audible warning.

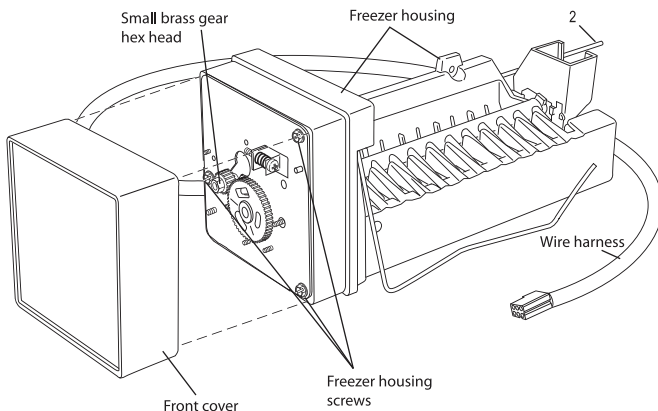


REPLACE ICE MAKER

The new ice maker assembly you have received will have a plug-in connection. In some instances, you may need to cut plug from cable and hard-wire the connections.

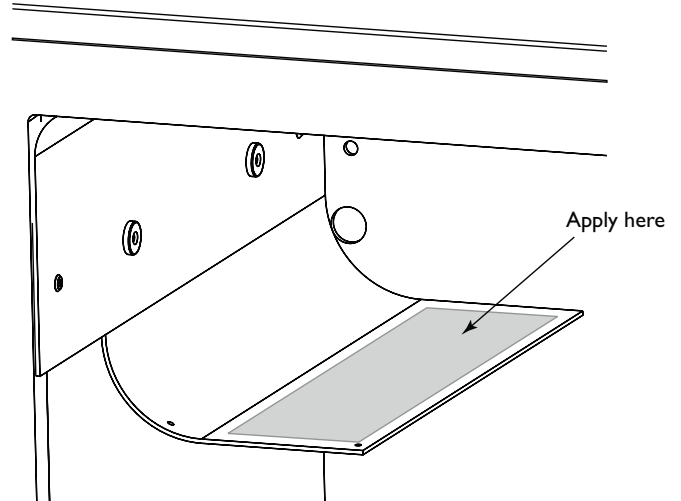
Remove Ice Maker

1. Unplug the unit.
2. Disconnect ice maker wire harness at plug
3. Disconnect thermistor plug.
4. Remove water inlet tube.
5. Remove front cover.
6. Advance ejector blade to the 3 o'clock position by turning 5/16" hex head on the small brass gear counterclockwise.
7. Remove three screws from the wall freezer housing.
8. Remove ice maker assembly.



Install Ice Maker

1. If ice maker sits on evaporator (as shown), be sure to apply the included Alumilastic paste.



2. Reconnect plug.
3. Reconnect thermistor plug.
4. Insert water inlet tube.
5. Apply Permagem to all exit holes on back of unit.
6. Install back panel.
7. Plug in unit and test.

HOUSEHOLD PRODUCT WARRANTY

Marvel Refrigeration (Marvel) 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 Marvel under the above warranty must be performed by a Marvel factory authorized servicer, unless otherwise specified by Marvel. Service provided during normal business hours.

TWO YEAR LIMITED PARTS & LABOR WARRANTY (MARVEL PROFESSIONAL PRODUCTS)

For two years 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 Marvel under the above warranty must be performed by a Marvel factory authorized servicer, unless otherwise specified by Marvel. Service provided during normal business hours.

AVAILABLE THIRD YEAR LIMITED WARRANTY (MARVEL PROFESSIONAL PRODUCTS)

For designated Marvel Professional product, Marvel offers a one year extension of the two year warranty coverage from the date of purchase, free of charge. To take advantage of this third year warranty, you must register your product with Marvel within 60 days from the date of purchase at marvelrefrigeration.com and provide proof of purchase. Nugget Ice Machine proof of purchase must include the purchase of an in-line water filter and filter head to qualify for this additional limited warranty.

LIMITED FIVE YEAR SEALED SYSTEM WARRANTY

For five years from the date of original purchase, Marvel will repair or replace the following parts, labor not included, that prove to be defective in materials or workmanship: compressor, condenser, evaporator, drier, and all connecting tubing. All service provided by Marvel under the above warranty must be performed by a Marvel factory authorized servicer, unless otherwise specified by Marvel. 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 Marvel User Guide.

The remedies described above for each warranty are the only ones that Marvel will provide, either under these warranties or under any warranty arising by operation of law. Marvel 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.
- The second, third, and five year 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 Marvel's obligation is limited to four years after the shipment date from Marvel.
- 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 Marvel 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 Marvel 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.
- Signal issues related to Wi-Fi connectivity are not covered by these warranties.

For parts and service assistance, or to find Marvel factory authorized service near you, contact Marvel Refrigeration:

MarvelRefrigeration.com • techsupport@MarvelRefrigeration.com • +616.754.5601

1260 E. Van Deine St., Greenville, MI 48838



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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.