Manitowoc®

S Model Dispensers

Installation, Operation and Maintenance Manual



⚠ **Caution**

Read this instruction before operating this equipment.

Original Document

Part Number 000007646 Rev 03 07/22

Safety Notices

Safety Notices

Read these precautions to prevent personal injury:

- Read this manual thoroughly before operating, installing or performing maintenance on the equipment. Failure to follow instructions in this manual can cause property damage, injury or death.
- Routine adjustments and maintenance procedures outlined in this manual are not covered by the warranty.
- Proper installation, care and maintenance are essential for maximum performance and trouble-free operation of your equipment. Visit our website www.manitowocice.com for manual updates, translations, or contact information for service agents in your area.
- This equipment contains high voltage electricity and refrigerant charge. Installation and repairs are to be performed by properly trained technicians aware of the dangers of dealing with high voltage electricity and refrigerant under pressure. The technician must also be certified in proper refrigerant handling and servicing procedures. All lockout and tag out procedures must be followed when working on this equipment.
- This equipment is intended for indoor use only. Do not install or operate this equipment in outdoor areas.

DEFINITIONS

⚠ DANGER

Indicates a hazardous situation that, if not avoided, will result in death or serious injury. This applies to the most extreme situations.

⚠ Warning

Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

⚠ Caution

Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

Notice

Indicates information considered important, but not hazard-related (e.g. messages relating to property damage).

NOTE: Indicates useful, extra information about the procedure you are performing.

⚠ Warning

Follow these precautions to prevent personal injury during installation of this equipment:

- Installation must comply with all applicable equipment fire and health codes with the authority having jurisdiction.
- To avoid instability the installation area must be capable of supporting the combined weight of the equipment and product. Additionally the equipment must be level side to side and front to back.
- Remove all removable panels before lifting and installing and use appropriate safety equipment during installation and servicing. Two or more people are required to lift or move this appliance to prevent tipping and/or injury.
- Connect to a potable water supply only.
- Do not attempt to move a dispenser without first removing the ice machine. The combination can be unstable and could tip, causing serious injury.
- Ice dispenser bin contains parts that can move at any time and will cause injury if hands are in the way.
- Legs must be installed and must be screwed in completely. Never install casters onto a dispenser.

⚠ Warning

Follow these electrical requirements during installation of this equipment.

- All field wiring must conform to all applicable codes of the authority having jurisdiction. It is the responsibility of the end user to provide the disconnect means to satisfy local codes. Refer to rating plate for proper voltage.
- This appliance must be grounded.
- This equipment must be positioned so that the plug is accessible unless other means for disconnection from the power supply (e.g., circuit breaker or disconnect switch) is provided.
- Check all wiring connections, including factory terminals, before operation. Connections can become loose during shipment and installation.

⚠ DANGER

Do not operate equipment that has been misused, abused, neglected, damaged, or altered/modified from that of original manufactured specifications. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision concerning use of the appliance by a person responsible for their safety. Do not allow children to play with, clean or maintain this appliance without proper supervision.

⚠ Warning

Follow these precautions to prevent personal injury while operating or maintaining this equipment:

- Read this manual thoroughly before operating, installing or performing maintenance on the equipment. Failure to follow instructions in this manual can cause property damage, injury or death.
- Crush/Pinch Hazard. Keep hands clear of moving components. Components can move without warning unless power is disconnected and all potential energy is removed.
- Moisture collecting on the floor will create a slippery surface. Clean up any water on the floor immediately to prevent a slip hazard.
- Objects placed or dropped in the bin can affect human health and safety. Locate and remove any objects immediately.
- Never use sharp objects or tools to remove ice or frost. Do not use mechanical devices or other means to accelerate the defrosting process.
- When using descaling/sanitizing fluids or chemicals, rubber gloves and eye protection (and/or face shield) must be worn.

⚠ DANGER

Follow these precautions to prevent personal injury during use and maintenance of this equipment:

- It is the responsibility of the equipment owner to perform a Personal Protective Equipment Hazard Assessment to ensure adequate protection during maintenance procedures.
- Do Not Store Or Use Gasoline Or Other Flammable Vapors Or Liquids In The Vicinity Of This Or Any Other Appliance. Never use flammable oil soaked cloths or combustible cleaning solutions for cleaning.
- All covers and access panels must be in place and properly secured when operating this equipment.
- Risk of fire/shock. All minimum clearances must be maintained. Do not obstruct vents or openings.
- Failure to disconnect power at the main power supply disconnect could result in serious injury or death. The power switch DOES NOT disconnect all incoming power.
- All utility connections and fixtures must be maintained in accordance with the authority having jurisdiction.
- Turn off and lockout all utilities (electric, water) according to approved practices during maintenance or servicing.
- Never use a high-pressure water jet for cleaning on the interior or exterior of this unit. Do not use power cleaning equipment, steel wool, scrapers or wire brushes on stainless steel or painted surfaces.
- Two or more people are required to move this equipment to prevent tipping.
- These units must be tethered/secured to comply with all applicable codes.
- The on-site supervisor is responsible for ensuring that operators are made aware of the inherent dangers of operating this equipment.
- Do not operate any appliance with a damaged cord or plug. All repairs must be performed by a qualified service company.

Table of Contents

Safety Notices

Safety Notices 3
Definitions 3

Section 1
General Information

Read This Manual 7
Model Numbers 7
Accessories 7
Adapter Kits 7
Included Baffle Kit 7
Earthquake Kits 7
Serial Plate Location 7

Section 2
Installation

Pre-Installation Checklist 9
Electrical 10
Specifications 10
Grounding Instructions 10
Water Supply and Drains 10
Potable Water 10
Drain Connections 10
Installation Procedures 11
Installation Checklist 11

Section 3
Operation

Sequence of Operation 13
Dispenser Activation 13
Ice Pick-Up 13
Ice Delivery 13
Room Key Card Activation 14
Coin Operated Activation 14
Adjustments 14
Adjusting the Coin Mechanism Timer 14
Adjusting the Coin Mechanism for Canadian Coins 14
Agitation Timers 15
Timer with Blinking LED 15
Timer with Test Pins 15

Section 4
Maintenance

Disassembly 17
Removing the Front Panel 17
Removing the Drain Pan 17
Disassembling the Rocking Chute/Door & Paddle Wheel Guard 18
Disassembling the Dispenser Parts for Bin Descaling/sanitizing 19
Descaling and Sanitizing 20
Monthly Sanitizing Procedure 20

Assembly **20**
Re-Installing the Paddle Wheel Guard 20
Removal of the Gearmotor **21**

Section 5 Troubleshooting

Checklist **23**
Problem: Ice Does Not Dispense When Rocking Chute Is Depressed 23
Problem: Dispenser Crushes Ice as it Dispenses 23
Problem: Ice Continues to Dispense or Dispenses by Itself 23
Ice Machine Warranty **24**
Warranty Registration 24

Section 1
General Information

Read This Manual

These instructions are provided to assist the qualified installer. Check your local Yellow Pages for the name of the nearest Manitowoc distributor, or call Manitowoc Ice; for information regarding start-up services.

Model Numbers

This manual covers the following models:

Series	"Push" for Ice Dispense	Touchless Ice Dispense	Water Valve	
SPA160	X			
SPA162		X		
SFA191	X		X	
SFA192		X	X	
SFA291	X		X	
SFA292		X	X	
SPA310	X			
SPA312		X		

These dispensers are designed to dispense both dice and half dice ice. These dispensers are used in conjunction with a Manitowoc ice machine for automatic fill of dispenser.

- S160/S190 Series Dispensers are capable of storing 120 lbs. of ice. The S160/S190 accepts a single 22" Dice or Half Dice size ice machine.
- S290/S300 Series Dispensers are capable of storing 180 lbs. of ice. The S290/S300 accepts a single 22" or 30" Dice or Half Dice size ice machine, except Series S1000 and S1200, which are not approved for use on an S Model Dispenser.

NOTE: Dispense Opening: Height 11" (28 cm), Width 14" (36 cm).

Accessories

ADAPTER KITS

22" ice machines mounted on a 30" dispenser require two adapter kits (not included with dispenser):

- K00365 adapter allows 22" ice machine to be mounted on a 30" bin.
- K00348 baffle prevents ice from contacting the ice machine front panel.

INCLUDED BAFFLE KIT

S Model 22" & 30" Ice Machines require installation of the included baffle 5029517 (22") or K00346 (30"). This baffle prevents ice from contacting the ice machine front panel.

EARTHQUAKE KITS

Earthquake kits are available to secure the ice machine to the dispenser and the dispenser to the floor.

Serial Plate Location

Front of Dispenser — Label with Model Number and Serial Number is located behind the front panel, to the right of the rocking chute.

Back of Dispenser — A second location for the Model Number and Serial Number is on the back of the dispenser, in the upper right corner.



Front Panel Location

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Section 2
Installation

Pre-Installation Checklist

- ☐ **Location: Floor drain available** – A floor drain for the dispenser should be available. We recommend that you vent the drain at the back of the dispenser to reduce buildup of algae and improve drainage. Drain tubing should be 1/2" I.D. at minimum.
- ☐ **Location: Avoid heat sources** – Avoid placing the ice machine near heat sources such as radiators, heating vents and direct sunlight. Avoid placing air-cooled ice machines in kitchens, due to grease, flour, or other particles, which can collect on the condenser and fan blade, increasing ice machine maintenance and reducing ice machine efficiency.
- ☐ **Location: On a solid floor** – The dispenser and ice maker should be sitting on a good, solid, level floor or surface.
- ☐ **Location: Do not obstruct traffic** – The dispenser should not extend from the wall in a way that obstructs traffic through the area.
- ☐ **Electrical** – Proper electrical voltage is available. Receptacle is available and within six feet.

⚠Warning

Never use an extension cord. If an electrical outlet is not within six feet, have proper amperage outlet installed. The dispenser must be grounded in accordance with all local and national electrical codes.

- ☐ **Clearances for top and both sides of ice machine** – Use clearances specified in the ice machine's Installation, Use and Care Manual.
- ☐ **Clearance behind ice machine for dispenser and drains** – The location must allow enough clearance for the water and drain connection at the rear of the dispenser.
- ☐ **Back of ice machine to be flush with back of dispenser** – This allows installation of the supplied mounting clip (metal plate) which secures the ice machine to the dispenser.
- ☐ **Separate drains** – a separate drain line is required for the ice machine, in addition to a drain line for the S Series Dispenser. Vent all drain lines.
- ☐ **Water filtration** – Water filtration is strongly recommended in order to increase the performance of the ice machine and reduce maintenance costs.

For full information about ice machine installation, including plumbing lines, connections and electrical requirements, see the ice machine installation manual.

⚠Caution

The dispenser must be protected if it will be subjected to temperatures below 32°F (0°C). Failure caused by exposure to freezing temperatures is not covered by the warranty.

Electrical

⚠Warning

All wiring must conform to local, state and national codes.

SPECIFICATIONS

Electric Voltage – Cycle – Amp.*	120 Volt – 60 Hz./1 Ph. – 1.8 amp 230 Volt – 50/60 Hz./1 Ph. – 0.6 amp
Motor Horsepower	1/10 HP
Fuse Size	15 amp maximum
Ship Weight	187 pounds
Operating Temperature Range	40°F minimum – 110°F maximum (4° – 43°C)

*120 Volts – 60 Hz. – 1.8 amp (U.S. Standard) (Eight foot cord with plug is included with the U.S. Standard unit)

GROUNDING INSTRUCTIONS

⚠Warning

The dispenser must be grounded in accordance with national and local electrical codes.

This appliance must be grounded. In the event of malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

⚠Warning

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment grounding conductor. If repair or replacement of the cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal. Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance — if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

Water Supply and Drains

POTABLE WATER

- Water temperature must be between 40°F (4.4°C) and 90°F (32°C).
- Water pressure must be between 20 psi (140 kPa) and 80 psi (550 kPa).
- Minimum internal diameter of tubing 3/8" (10 mm).

DRAIN CONNECTIONS

- Drain lines must have a 1.5 inch drop per 5 feet of run (2.5 cm per meter) and must not create traps.
- The floor drain must be large enough to accommodate drainage from all drains.
- Run separate bin and ice machine drain lines.
- Insulate drain lines to prevent condensation.
- Vent the ice machine drain to the atmosphere.
- Drain termination must have an air gap that meets local code.

Installation Procedures

⚠Warning

Do not attempt to move a dispenser without first removing the ice machine. The combination can be unstable and could tip, causing serious injury.

1. Review the Pre-Installation Checklist; then make sure all utility and space requirements are present at the installation site.
2. Remove the carton top from the dispenser.
3. Remove the legs and other accessories from inside the dispenser bin.
4. Remove the carton from the sides of the dispenser.
5. Remove the dispenser from the shipping pallet.
6. Flatten the shipping carton.
7. Lay the dispenser on its back; on the carton.
8. Thread the legs into the bottom of the dispenser.
9. Set the dispenser upright.
10. Place the dispenser in the desired location.
11. Make sure the dispenser bin top is level. A level bin is important for proper operation of the ice machine.
12. Place the ice machine on top of the dispenser at this time.
13. Connect the drain of the dispenser to the floor drain.
14. Follow local plumbing codes for drain installation.
15. If the dispenser has a water valve, connect your water line to the water connection at the back of the dispenser.
16. Test all drain and water lines for leaks.
17. Plug the dispenser into the proper electrical outlet.
18. Descal and sanitize all equipment. Follow descaling and sanitizing instructions in this manual.
19. Adjust the ice machine according to the instructions provided with the ice machine.
20. Install ice baffle inside the ice maker compartment. Follow installation instructions supplied with ice baffle.
21. Install foam gasket on the bottom of the front panel.
22. Fill the dispenser bin one quarter full of ice or start the ice machine, allowing the ice machine to drop at least three complete batches of ice.
23. Test the ice dispensing action of the dispenser.

Installation Checklist

- ☐ Dispenser and ice machine are level?
- ☐ Drains are vented?
- ☐ Dispenser does not sit in direct sunlight?
- ☐ Dispenser does not sit in direct airflow from a heating duct?
- ☐ Bin and ice machine drains are separate?
- ☐ Ice dispensed properly?
- ☐ Dispenser is accessible for servicing?
- ☐ The warranty card was returned?
- ☐ Ice Machine ice thickness control is properly set?
- ☐ Owner was instructed on the operation of the dispenser?
- ☐ Owner knows how to descale and sanitize the dispenser?
- ☐ Owner knows how often to descale and sanitize the dispenser?
- ☐ Owner has your telephone number to call for follow-up service on the dispenser?
- ☐ You have placed one of your service stickers on the dispenser for follow-up service?

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Section 3
Operation

Sequence of Operation

The operation of the S Series ice dispenser can be divided into three main operations. They are Dispenser Activation, Ice Pick-Up and Ice Delivery.

DISPENSER ACTIVATION

Dispenser activation can be accomplished with a number of different mechanisms.

- **Rocking Chute (Push for Ice) Activation** – User pushes the Rocking Chute, which energizes a microswitch. The energized microswitch engages the gearmotor.
- **Room Key Card Activation** – User places their hotel room key card into a slot on the dispenser. The room key card activates the microswitch. The user then presses the Rocking Chute (Push for Ice) for ice dispense. This action activates the gearmotor.
- **Coin Operated Activation** – User places one quarter into dispenser. The quarter activates the coin mechanism. The user then presses the Rocking Chute (Push for Ice) for ice dispense. This action activates the gearmotor.

⚠ DANGER

Do not operate equipment that has been misused, abused, neglected, damaged, or altered/modified from that of original manufactured specifications. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision concerning use of the appliance by a person responsible for their safety. Do not allow children to play with, clean or maintain this appliance without proper supervision.

ICE PICK-UP

When the customer activates the dispenser, the gearmotor inside the dispenser begins to turn.

The gearmotor shaft is attached to the paddle wheel inside the bin of the dispenser. As the paddle wheel turns it picks up ice from the dispenser bin. The paddle wheel will bring the pocket containing the ice to the top of the travel area.

ICE DELIVERY

When the paddle wheel pocket reaches the top of its travel, the ice falls from the paddle wheel to the ice chute opening of the dispenser bin. The bin chute then directs the ice to the door assembly dispensing 2-3 oz. of ice per second.

If the door closes before all the ice is dispensed, some ice may be held back by the door assembly. If the door is open, the ice will fall through the door and the ice chute. The ice chute will direct the ice into the customer's container.

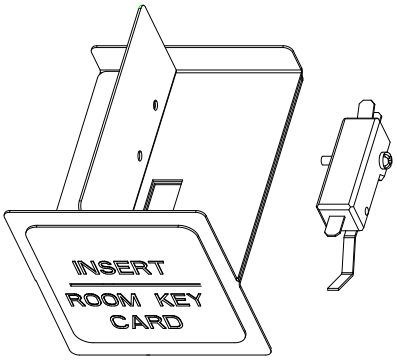
NOTE: Dispense Opening: Height 11" (28 cm), Width 14" (36 cm).

Model SFA-191/291 is equipped with an optional water valve. When the water valve lever is pressed, water flows through the system to the water valve nozzle.

Room Key Card Activation

1. User places ice bucket under ice chute.
2. User places their hotel room key card into a slot on the dispenser which is labeled “Insert Room Key Card”. The room key activates the microswitch.
3. The user then presses the Rocking Chute (Push for Ice) for ice dispense. Pushing the ice chute activates the gearmotor.

The room key card must stay in the slot for the microswitch to remain activated.



Coin Operated Activation

1. User places ice bucket under ice chute.
2. User places one quarter (U.S. currency only) into dispenser.
3. The user then presses the Rocking Chute (Push for Ice) for ice dispense.

Pushing the ice chute activates the gearmotor. Ice will dispense for up to one minute for each 25 cent activation per factory setting.

Notice

Coin Operated Activation will accept U.S. quarters only. No other coin is accepted and no change is returned to the user. To allow use of Canadian coins refer to instructions in this manual.

Adjustments

ADJUSTING THE COIN MECHANISM TIMER

1. Remove the control box cover. On the inside of the control box there is a white instruction label which shows how to set intervals for coin mechanism dispense times.
2. Inside the control box, the coin mechanism timer is to the left. The ice agitation timer is to the right.
3. With a small Phillips head screwdriver, adjust the coin mechanism timer. For timer adjustment reference information, see below or refer to the white instruction label inside the control box cover.
4. The timer is factory set at the midpoint for 60 seconds of dispense time. The adjustment pot can be set (counterclockwise) for as low as 12 seconds of dispense time. The adjustment pot can be set (clockwise) for as high as 120 seconds of dispense time.

ADJUSTING THE COIN MECHANISM FOR CANADIAN COINS

Notice

Canadian quarters are magnetic. Therefore the magnet inside the coin mechanism must be removed so Canadian quarters will drop through the coin mechanism.

1. Remove the front panel of the dispenser. The coin mechanism can be changed while in place in the dispenser door, as shown above.
2. Pivot the coin magnet housing section away from the rest of the coin mechanism.
3. Using a small screwdriver, loosen the set screw which holds an aluminum plate in the coin magnet housing.
4. Remove the aluminum plate.
5. Using a metal screwdriver tip, pull out the magnet from the magnet housing. (The back side of the magnet has the stronger magnetic attraction.)
6. The aluminum plate and magnet have now been removed from the coin magnet housing. Pivot the empty coin magnet housing section back into place.
7. Reinstall the front door of the dispenser.

Agitation Timers

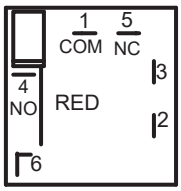
The agitation timer is standard equipment for the floor standing dispenser. The purpose of the timer is to periodically agitate the ice in the bin to prevent congealing.

TIMER WITH BLINKING LED

The LED tells the technician in which mode the timer is operating. Rather than a jumper pin, this timer has a female spade connector that must be connected to terminal number 6.

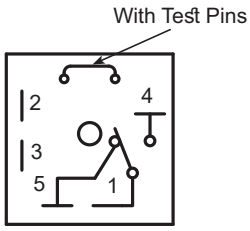
- When this jumper is in place, the LED will blink at one-second intervals. This is the run mode.
- When the jumper is open, the LED will flash every 4/10ths second. This is the test mode and the timer will cycle every 55 seconds in test mode. Remember to replace the jumper when testing is complete. If the timer is left in test mode it will automatically reset to run mode.

When installing this timer into existing equipment, make sure to verify correct wiring of the timer. Some older equipment may require a wiring change. Check the yellow wire from the ice dispense switch (rocking chute) to the number two terminal of the timer. With this timer, the yellow wire leaves the ice dispense switch from the NC terminal of the switch.



TIMER WITH TEST PINS

The timer is equipped with test pins. This allows you to test the timer by removing the jumper between the two pins.



The timer is non-adjustable and is set to agitate the ice for three seconds every three and one half-hours. Activating the dispenser will reset the timer. After 3.5 hours of non-use the timer will energize the dispenser motor.

To check for correct function of the agitation timer, use the following procedure:

The agitation timer is located at the front of the dispenser in the control box, on the left side of the ice chute.

1. Remove the jumper between the two pins.
2. The timer will cycle every 55 seconds.
3. If the timer does not cycle every 55 seconds, replace the timer.
4. Replace jumper after testing.

⚠Caution

Never operate with jumper removed. Damage will occur.

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Section 4
Maintenance

⚠Warning

Dispenser is not suitable for installation in an area where a water jet could be used and must not be cleaned by a water jet.

Sanitizing for Exterior, and Detailed procedures can be performed independently and more frequently than descaling when needed.

Using non-Manitowoc descalers, sanitizers, cleaners or solutions may result in bodily harm and/or cause damage to the ice machine that is not covered under the warranty.

Disassembly

REMOVING THE FRONT PANEL

⚠Warning

Electric Shock Hazard

Unplug unit before servicing or descaling/sanitizing. The agitator is operated by a timer and can agitate at anytime.

1. Shut off water to ice machine.



2. The 2 screws are retained by o-rings. Loosen the 2 screws with a Phillips screwdriver.
3. Hold the front panel of the dispenser on both sides, pull top forward to release top catch and then tilt the panel forward. The front panel will be resting on the catch hooks at the bottom of the panel.
4. SFA-191/291 ONLY – A water line is attached to the front panel. If complete removal is required, disconnect main water supply, relieve water pressure and remove water line from water valve.
5. Lift the front panel off the catch hooks and set the panel aside.

REMOVING THE DRAIN PAN

1. The drain pan is visible when the front panel of the dispenser is removed.
2. Loosen clamp and remove drain hose from drain pan.



3. Slide the drain pan forward and pull out.
4. Remove scrap ice if any scrap ice has accumulated.
5. After descaling/sanitizing, slide drain pan back into place.

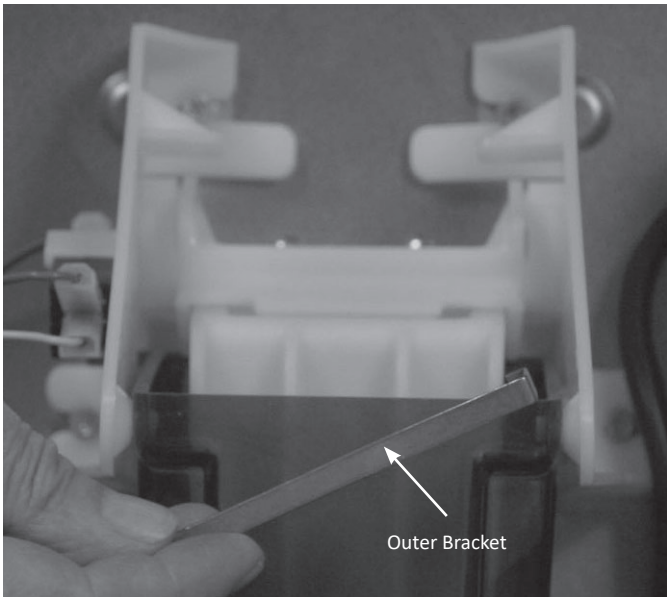
DISASSEMBLING THE ROCKING CHUTE/DOOR & PADDLE WHEEL GUARD

⚠Warning

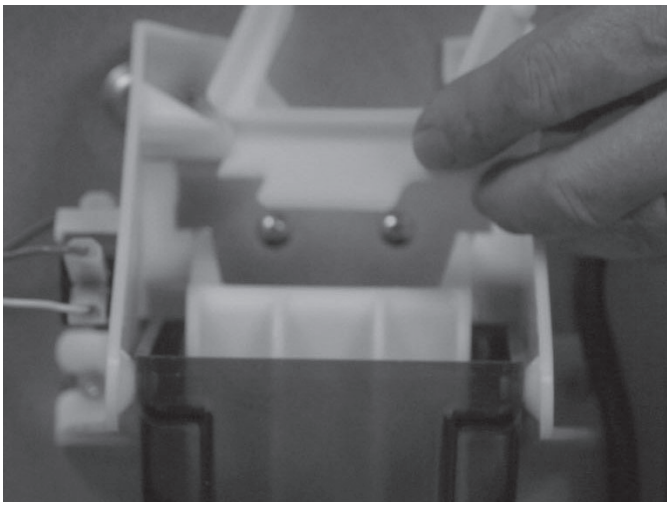
Electric Shock Hazard

Unplug unit before servicing or descaling/sanitizing.

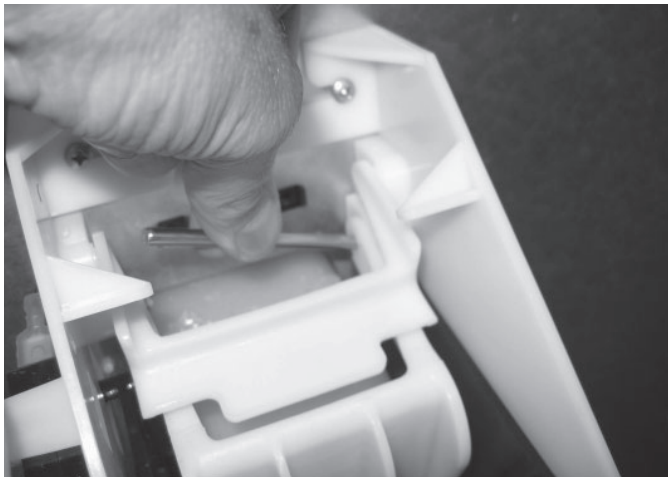
1. Remove the front panel from the dispenser. (See “Removing the Front Panel”.)



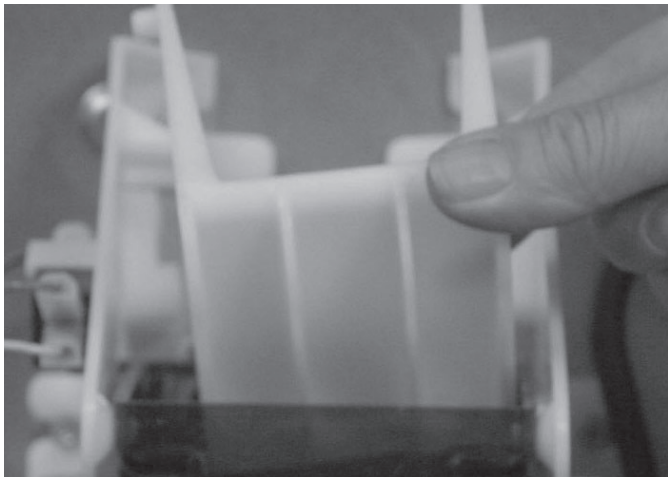
2. Remove outer bracket.



3. Remove door lock.



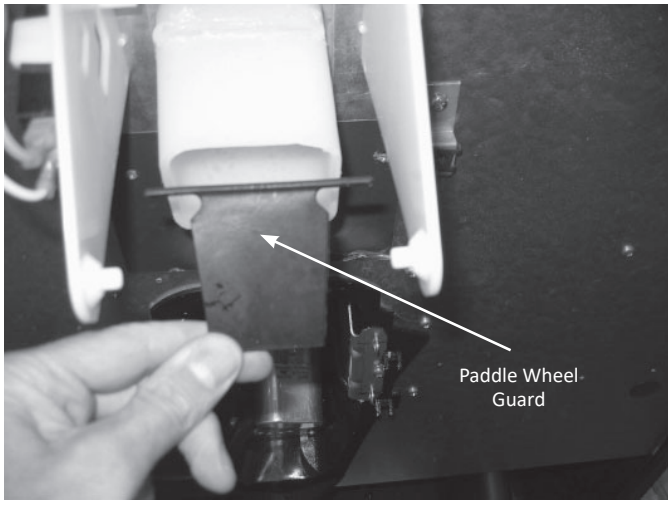
4. Lift up left end of door rod and pull rod out from right side of door.



5. Remove door.
6. Remove ice chute.



7. Pull the paddle wheel guard from the holes inside the ice dispense snout.



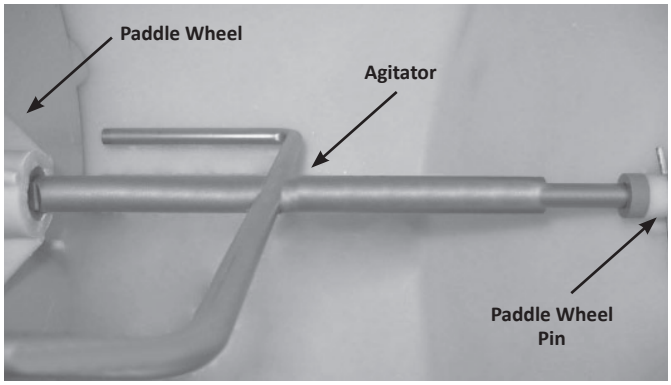
8. Remove the paddle wheel guard from the ice dispense snout.

DISASSEMBLING THE DISPENSER PARTS FOR BIN DESCALING/SANITIZING

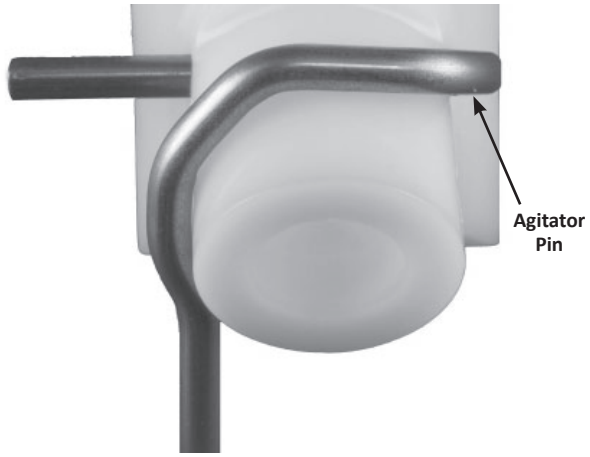
⚠Warning

Unplug unit before servicing or descaling/sanitizing.

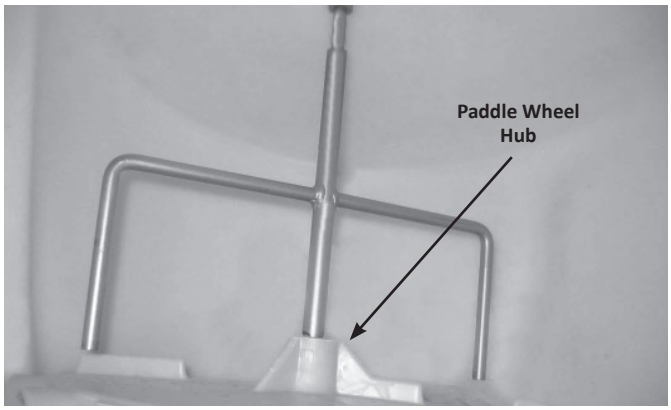
Ice dispenser bin contains moving parts that can move at any time and will cause injury if hands are in the way.



1. These parts will be removed: agitator pin, agitator and paddle wheel.



2. Pull on the hand-removable agitator pin until it is clear of the agitator bushing.



3. Push the agitator toward the back of the bin until the agitator is free of the paddle wheel hub. Remove the agitator by sliding to one side as you pull forward until the agitator shaft clears the bushing.



4. Slide the paddle wheel from the motor shaft and remove.

Descaling and Sanitizing

MONTHLY SANITIZING PROCEDURE

⚠Warning

Electric Shock Hazard

Unplug unit before servicing or descaling/sanitizing.

1. Remove the front panel, paddle wheel, ice chute and door assembly.
2. Mix a solution of 3 ounces (100 ml) Manitowoc descaler per 1 gallon (4 liters) plain tap water.
3. Carefully descale all parts removed from inside the bin with this descaler. Descale the dispenser bin, door assembly, and ice chute.
4. Rinse all descaled parts with fresh, running tap water.
5. Mix a solution of 3 ounce (90 ml) Manitowoc sanitizer with 4 gallons (15 liters) plain tap water.
6. Sanitize each part washed in the previous step with this sanitizer solution. Sanitize and re-assemble in this order:

   Paddle wheel

   Agitator

   Paddle wheel pin

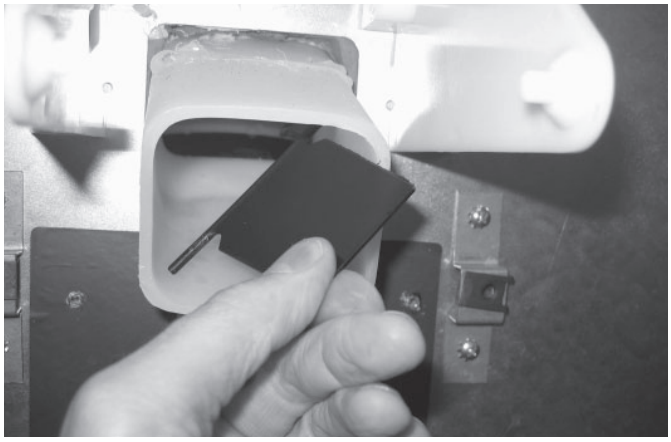
   Ice chute assembly

   Scrap ice tray

   Front panel
7. Do not rinse dispenser parts after they are sanitized. Allow parts to air dry.
8. After all dispenser parts are replaced, restore power to the dispenser.
9. Turn the ice machine on.
10. Allow the ice machine to begin filling the dispenser.
11. After three batches are in the dispenser, test the dispenser operation.

Assembly

RE-INSTALLING THE PADDLE WHEEL GUARD



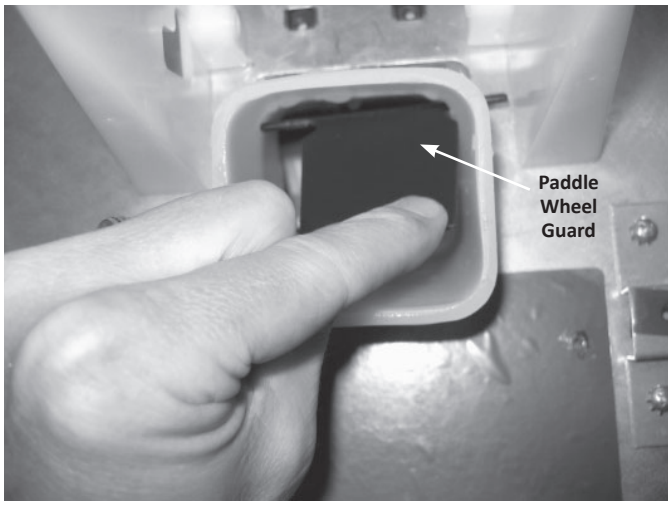
When re-assembling the rocking chute/door, the paddle wheel guard is installed inside the ice dispense snout.

When the paddle wheel guard is placed in the snout, its top hinge is snapped into mounting holes on both sides of the snout.

When the paddle wheel guard is correctly installed, the paddle wheel guard will swing outward toward the front of the chute, allowing ice to flow out of the chute.

If incorrectly installed, the paddle wheel guard will not swing outward and ice delivery is blocked.

Correct Installation



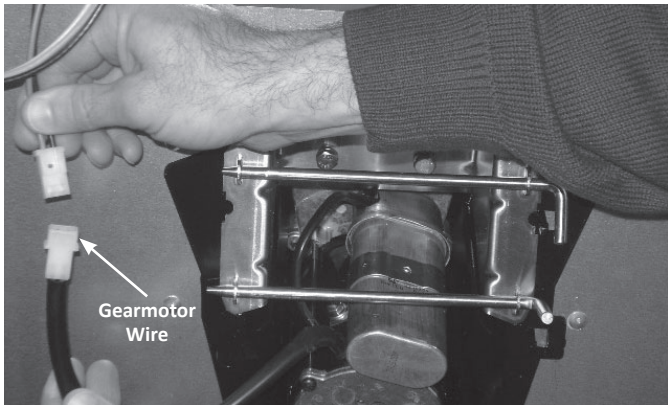
If you press your finger forward against the paddle wheel guard, the paddle wheel guard does not swing back open.

Removal of the Gearmotor

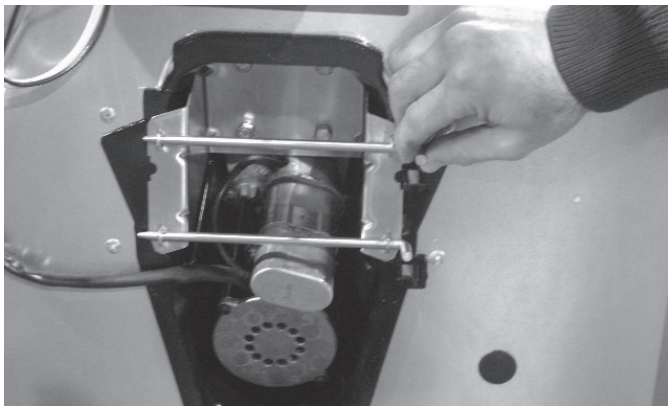
NOTE: The gearmotor does not have to be removed for descaling/sanitizing.

> **⚠Warning**
>
> **Electric Shock Hazard**
>
> Unplug unit before servicing or descaling/sanitizing.

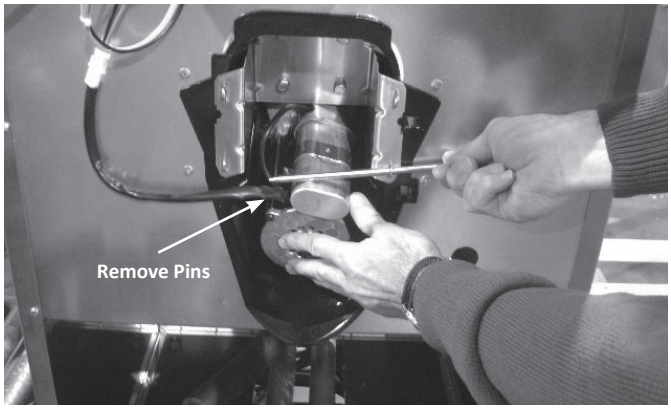
1. Remove the front panel from dispenser. (See “Removing the Front Panel”).



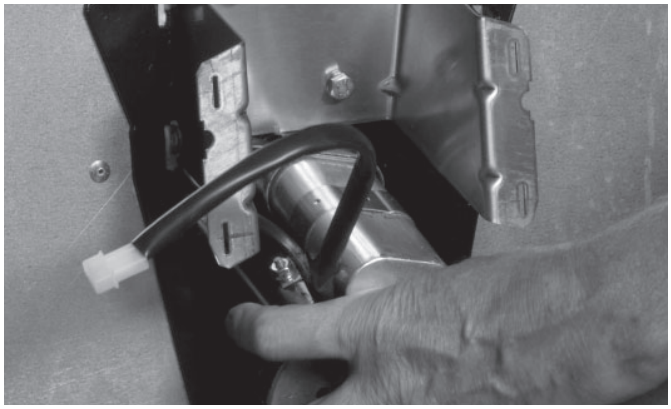
2. Unplug the gearmotor wire.



3. Turn the two removal pins toward you.



4. Pull removal pins out to the right.



5. Grasp the gearmotor as the second pin is removed. Pivot the gearmotor out of place.

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Section 5
Troubleshooting

Checklist

If a problem arises during operation of your dispenser, follow the checklists below, before calling service. Routine adjustments and maintenance procedures are not covered by the warranty.

⚠ Warning

Unplug unit before servicing or descaling/sanitizing. Ice dispenser bin contains parts that can move at any time and will cause injury if hands are in the way.

PROBLEM: ICE DOES NOT DISPENSE WHEN ROCKING CHUTE IS DEPRESSED

Problem	Possible Cause	To Correct
Dispenser does not operate.	No electrical power to dispenser.	Plugged in?
		Breaker tripped?
		Check the cord and plug of the dispenser. Replace cord set if wire is broken.
Dispenser runs but does not dispense ice.	No ice in bin.	Add ice to bin, have ice machine checked.

PROBLEM: DISPENSER CRUSHES ICE AS IT DISPENSES

Problem	Possible Cause	To Correct
Dispenser crushes ice as it dispenses.	The ice in the bin is not the proper size and type.	Replace with acceptable ice.
	Is the ice being used a full size piece of ice, i.e., are cubes full, not shallow, etc.?	Adjust ice machine cube size. Refer to ice machine Installation, Use and Care manual for procedure.

PROBLEM: ICE CONTINUES TO DISPENSE OR DISPENSES BY ITSELF

Problem	Possible Cause	To Correct
Dispenser agitates every 55 seconds.	No jumper on the timer.	Call for Service.
Does ice continue to dispense after the cup has been pulled away?	Does the gearmotor continue to run during this time?	Call for Service.
Does the ice dispense by itself without anyone around the dispenser?	Does the dispenser do this at regular intervals?	Call for Service.

Ice Machine Warranty

Warranty

For warranty information visit:

www.manitowocice.com/Service/Warranty

- Warranty Coverage Information
- Warranty Registration
- Warranty Verification

Warranty coverage begins the day the ice machine is installed.

WARRANTY REGISTRATION

Completing the warranty registration process is a quick and easy way to protect your investment.

Scan the QR code with your smart device or enter the link in a web browser to complete your warranty registration.

www.manitowocice.com/Service/Warranty#Warranty-Registration

Registering your product insures warranty coverage and streamlines the process if any warranty work is required.

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