

H

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Model
DT-400BAH-OS



“A Superior Degree
of Reliability”

www.hoshizaki.com

INSTRUCTION MANUAL



Issued: 2-28-2008
Revised: 6-14-2010

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Hoshizaki p
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NOTE: To expedite assistance, all correspondence/communication MUST include the following information:

- Model Number _____
- Serial Number _____
- Complete and detailed explanation of the problem.

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I. Specific

A. Namep

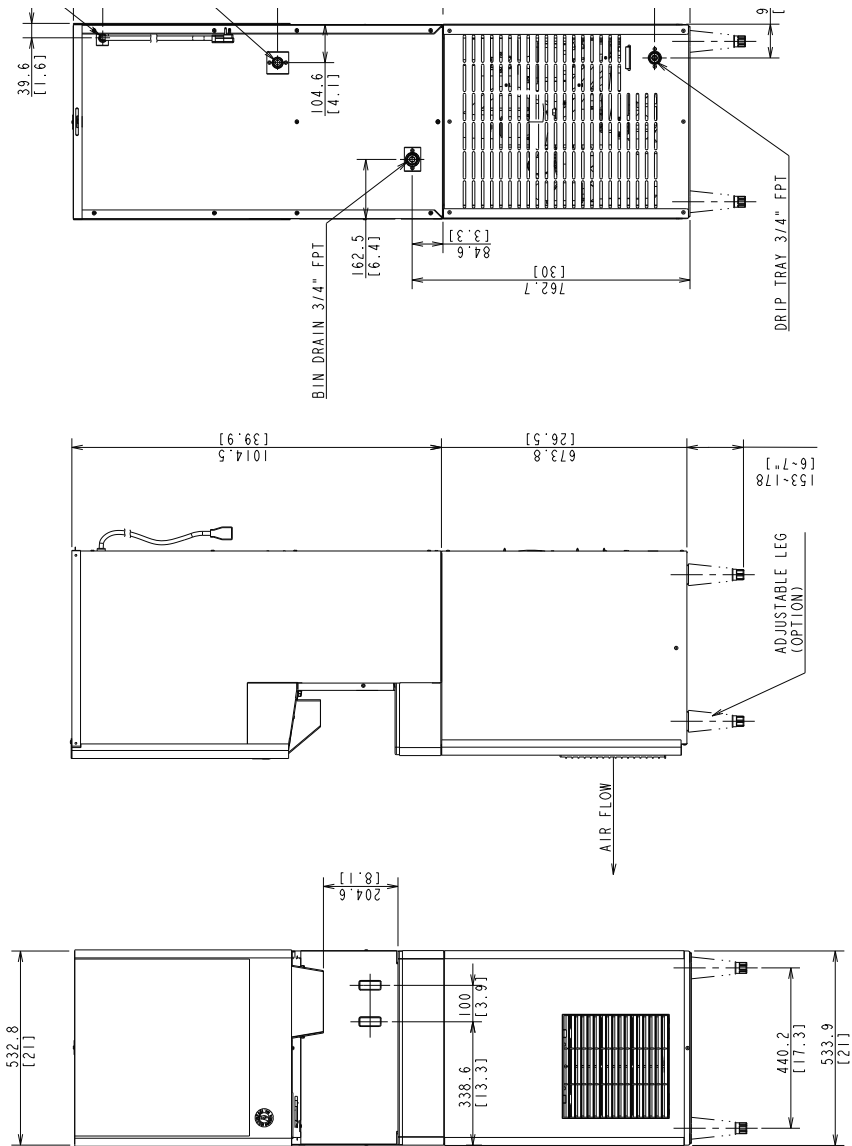


See the nameplate for electrical and refrigeration specifications. This nameplate is located on the rear panel.

Since this nameplate is located on the rear panel of the icemaker, it cannot be read when the back of the icemaker is against a wall or against another piece of kitchen equipment. Therefore, the necessary electrical and refrigeration information is also on the rating label, which can be easily seen by removing only the lower front panel of the icemaker.

We reserve the right to make changes in specifications and design without prior notice.

B. Dim



II. Installa

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3. Re
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- 1) Remove
Remove low to
- 2) Remove
- 3) Remove the
sun or to heat, remove the film after the icemaker cools. the
- 4) Check that the refrigerant lines do not rub or touch lines or other surfaces, and that the fan blade turns freely.
- 5) Check that the compressor is snug on all mounting pads.
- 6) See the nameplate on the rear panel, and check that your voltage supplied corresponds with the voltage specified on the nameplate.

B. How to Remove Panels

See Fig. 1

- Upper Front Panel: Remove the screw. Lift up and towards you.
- Top Panel: Remove the thumbscrew. Lift up at front slightly, push rearward and lift off.
- Apron Panel: Remove the screws and pull towards you.
- Side Panel: Remove the screws. Slide forward slightly, and lift off.
- Lower Front Panel: Remove the screw and pull towards you.

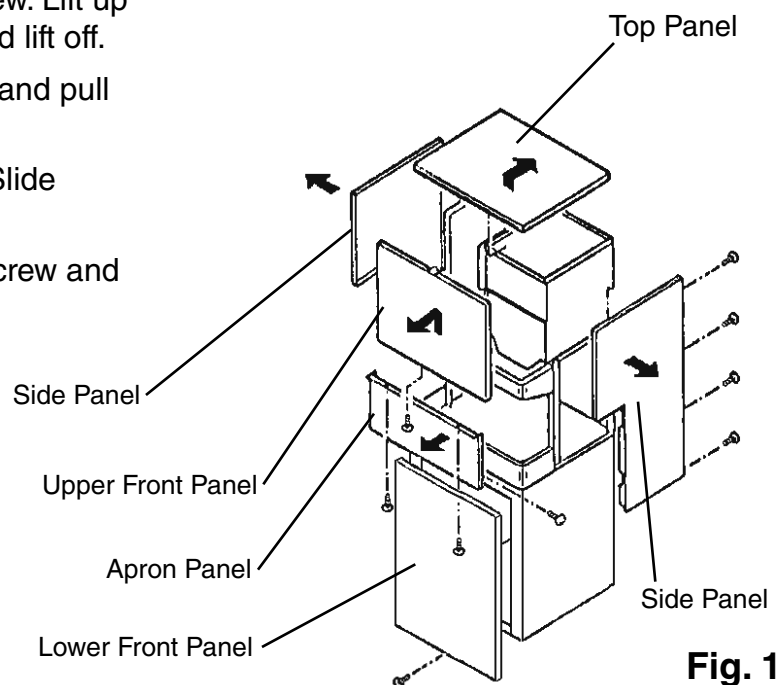


Fig. 1

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C o be moved out of direct sunlight and/or farther away from any outside windows.	ould

For best operating results:

- Icemaker should not be located next to ovens, grills, or other high heat producing equipment.
- Avoid choosing a site where dripping is not allowed.
- Allow 6" (15 cm) clearance at rear, and top for proper air circulation and ease of maintenance and/or service should they be required.
- Location should provide a firm and level foundation for the equipment.

D. Setup

- 1) Attach the four adjustable legs provided to the bottom of the icemaker.
- 2) Position the icemaker in the selected permanent location.
- 3) Level the icemaker in both the left-to-right and front-to-rear directions.

E. Electrical
See Fig.

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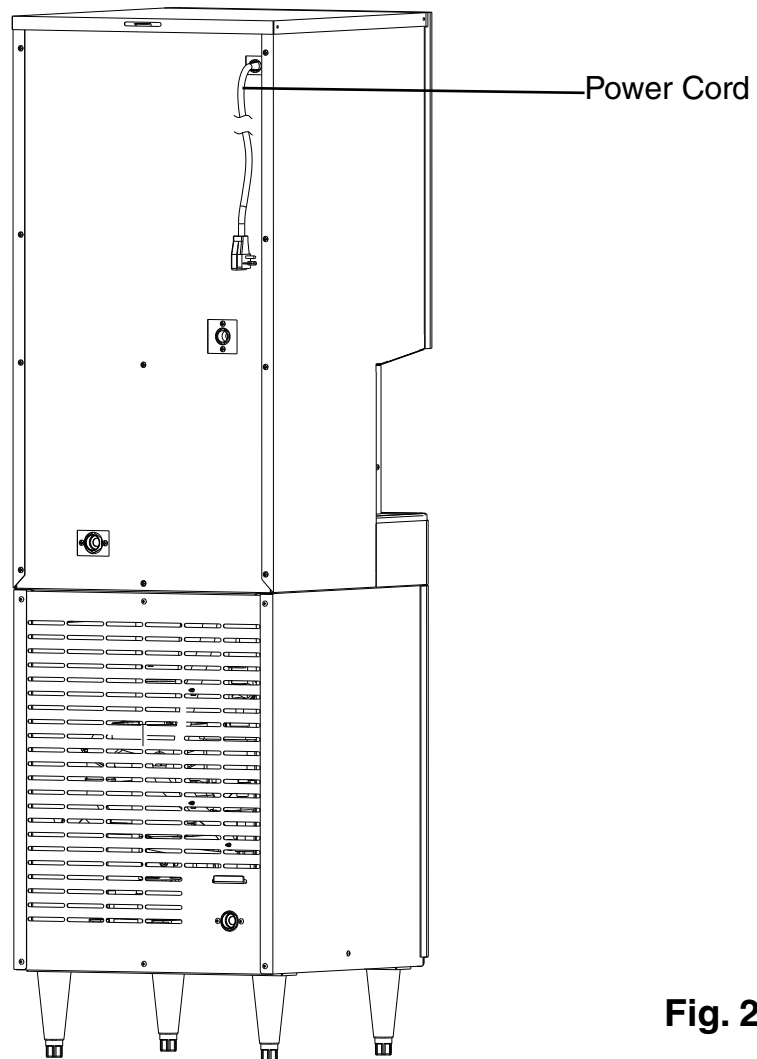
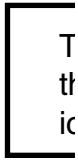


Fig. 2

F. Water See



- Water
- A water 3/8" n
- Water the pr
- The mi
- Drain c
- Drain lines must have 1/4" fall per foot (2 cm per 1 m) on horizontal runs to get a good flow. A vented tee connection is also required for proper flow.
- Drain lines should not be piped directly to the sewer system. An air gap of a minimum of 2 vertical inches (5 cm) should be between the end of the drain pipes from the icemaker and the floor drain.
- This icemaker must be installed in accordance with applicable national, state, and local regulations.
- A plumbing permit and services of a licensed plumber may be required in some areas.

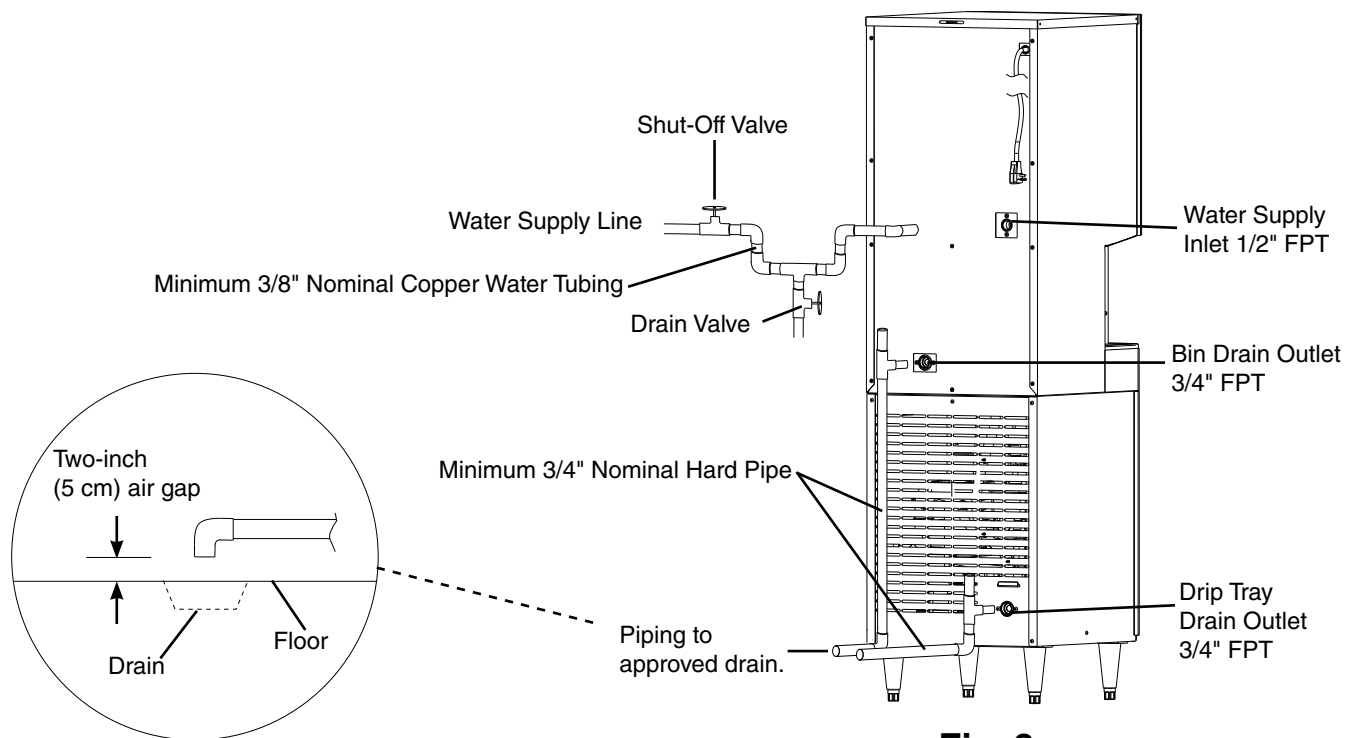
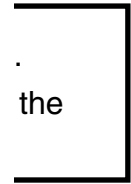
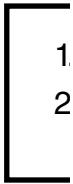


Fig. 3

G. Final C

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- 5) Are all c
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- 7) Has the Has a p ng?
- 8) Are the supply pressure been checked to ensure a minimum of 10 PSIG and a maximum of 113 PSIG?
- 9) Are the compressor hold-down bolts snug? Have the refrigerant lines been checked to make sure they do not rub or touch other lines or surfaces?
- 10) Has the end user been given the instruction manual, and instructed on how to operate the icemaker and the importance of the recommended periodic maintenance?
- 11) Has the end user been given the name and telephone number of an authorized service agent?
- 12) Has the warranty card been filled out and forwarded to the factory for warranty registration?

H. Start



1) Make
"OFF"

2) Clear

3) Open

4) Plug

5) Move

6) Move

x is in the

"CONTINUOUS."

7) Move the control switch to the "ICE" position to start the automatic icemaking process.

8) Check the bin control for correct operation. Move the actuator located on the inside of the bin top panel. The compressor should stop about 90 seconds later. The gear motor should stop about 60 seconds after the compressor stops.

9) Replace the panels in their correct positions.

Power Switch
"ON" and "(

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Fig. 4

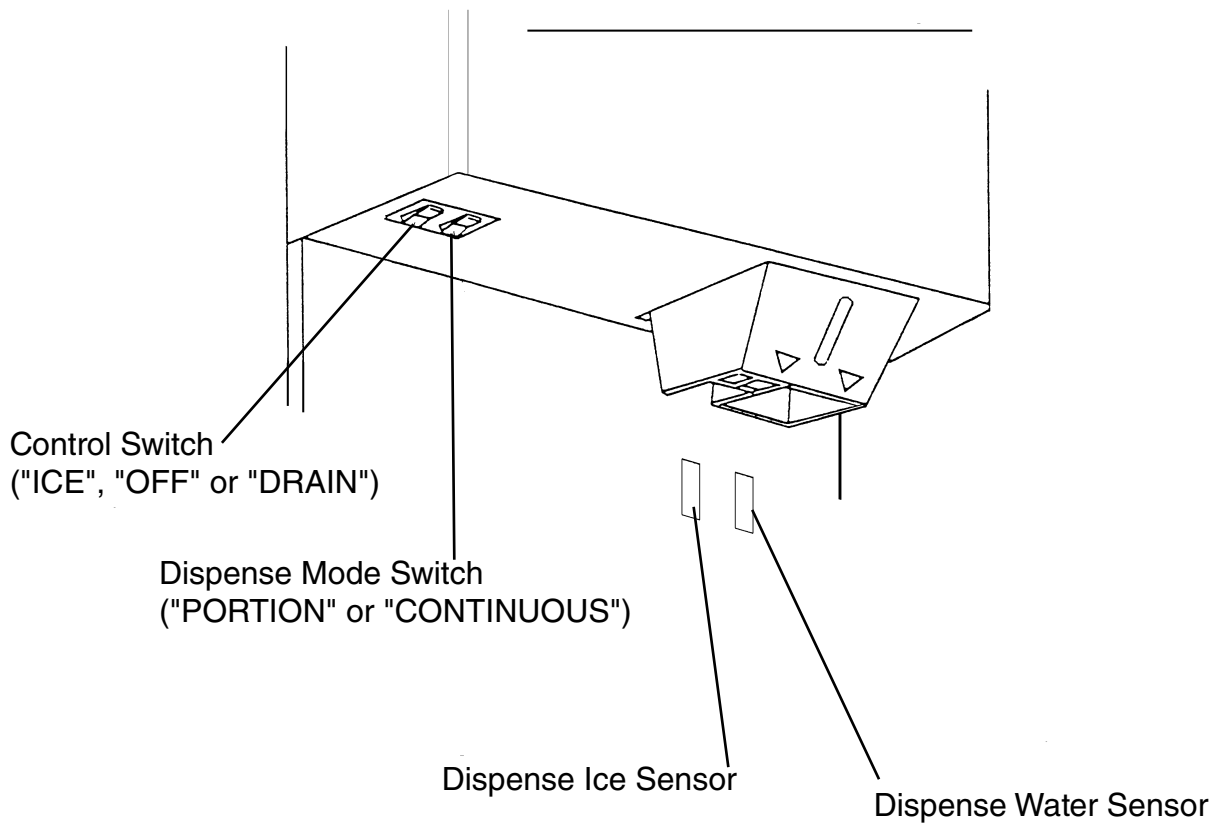


Fig. 5

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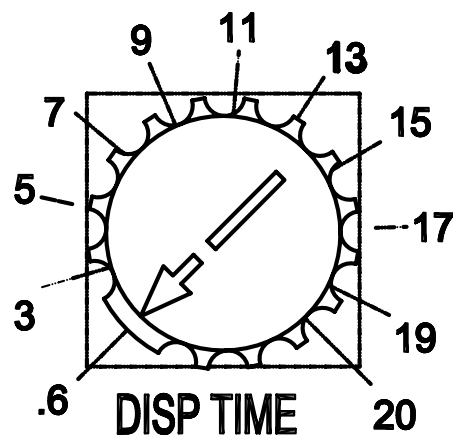


Fig. 6

III. Cleani

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5. Never run the icemaker when the reservoir is empty.
6. After cleaning, do not use ice made from the cleaning and sanitizing solutions. Be careful not to leave any solution in the storage bin.

A. Cleaning and Sanitizing Instructions - Water System

1. Cleaning Solution

Dilute approximately 9.6 fl. oz. (0.29 l) of Hoshizaki "Scale Away" with 1.6 gallons (6.0 l) of warm water.

2. Cleaning Procedure

- 1) Close the water supply line shut-off valve.
- 2) Move the dispense mode switch to the "CONTINUOUS" position.
- 3) Activate the dispense sensor to remove the ice from the storage bin.
- 4) Move the control switch to the "DRAIN" position, and wait about 15 minutes for the water system to drain.
- 5) Move the control switch to the "OFF" position. Remove the upper front, top and left side panels.
- 6) Move the power switch to the "OFF" position. Unplug the icemaker from the electrical outlet.
- 7) Disconnect the ice transport hose from the spout, and pour the cleaning solution into the ice transport hose. Be careful not to overfill the reservoir. Reconnect the transport hose.

Note: If there is excess scale on the extruding head, fill the evaporator assembly and reservoir as described above, then use a clamp on the reservoir hose between the reservoir and evaporator assembly to block flow. Pour additional cleaning fluid into the transport hose until the evaporator assembly is completely full. Reconnect the transport hose.

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- 15) Plug the icemaker back in. Move the power switch to the "ON" position and replace the panels in their correct positions.
- 16) Move the control switch to the "ICE" position. Run the icemaker until it stops automatically.
- 17) Move the control switch to the "DRAIN" position, and wait about 15 minutes for the water system to drain.
Note: If you do not sanitize the icemaker, go to step 14 in "4. Sanitizing Procedure."

3. Sanitizing Solution

Dilute approximately 0.82 fl. oz. (25 ml) of a 5.25% sodium hypochlorite solution (chlorine bleach) with 1.6 gallons (6.0 l) of warm water.

4. Sanitizing Procedure - Following Cleaning Procedure

- 1) Move the control switch to the "OFF" position and remove the upper front, top and left side panels.
- 2) Move the power switch to the "OFF" position. Unplug the icemaker from the electrical outlet.
- 3) Disconnect the ice transport hose from the spout, and pour the sanitizing solution into the ice transport hose. Be careful not to overfill the reservoir. Reconnect the transport hose.
- 4) Plug the icemaker back in. Move the power switch to the "ON" position and replace the panels in their correct positions.
- 5) Allow the icemaker to sit for about 10 minutes before operation, then move the control switch to the "ICE" position. Run the icemaker until it stops automatically.
- 6) Move the control switch to the "DRAIN" position, and wait about 15 minutes for the water system to drain.
- 7) Repeat steps 1 through 6 one time.

- 8) Move the control switch to the "OFF" position. Remove the upper front, top and left side panels.
- 9) Move the control switch to the "OFF" position. Remove the upper front, top and left side panels.
- 10) Disconnect the power supply from the icemaker. Be careful not to connect the power supply to the icemaker.
- 11) Plug the icemaker back in. Move the power switch to the "ON" position and replace the panels in their correct positions.
- 12) Move the control switch to the "ICE" position and run the icemaker about 30 minutes.
- 13) Move the control switch to the "OFF" position.
- 14) After the icemaker has finished making ice, remove the upper front, top and left side panels.
- 15) Move the power switch to the "OFF" position. Unplug the icemaker from the electrical outlet.
- 16) Open the water supply line shut-off valve. Check for water leaks.
- 17) Plug the icemaker back in. Move the power switch to the "ON" position and replace the panels in their correct positions.
- 18) Move the control switch to the "ICE" position and run the icemaker about 30 minutes.
- 19) Move the control switch to the "OFF" position.
- 20) Activate the dispense sensor to remove the ice from the storage bin. Remove the upper front, top and left side panels.
- 21) Move the power switch to the "OFF" position. Unplug the icemaker from the electrical outlet.
- 22) Remove the front cover of the storage bin. Pour warm water into the storage bin to melt any remaining ice.
- 23) Clean the storage bin with water.

WARNING

Do not use ice produced from the cleaning and sanitizing solution. Be sure no ice remains in the storage bin.

- 24) Replace the front cover of the storage bin, then plug the icemaker back in. Move the power switch to the "ON" position and replace the panels in their correct positions.
- 25) Move the control switch to the "DRAIN" position, and wait about 15 minutes for the water system to drain.
Note: If cleaning the dispensing components, proceed to "B. Cleaning and Sanitizing Instructions - Dispensing Components."
- 26) After the water has drained, move the control switch to the "ICE" position to start the automatic icemaking process.

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4) Remove the thumbscrews, first from the vertical plane and then from the horizontal plane of the motor brackets. Move the agitating motor and the dispensing motor towards you. Then remove the agitator and the auger (ice dispensing). See Fig. 7.

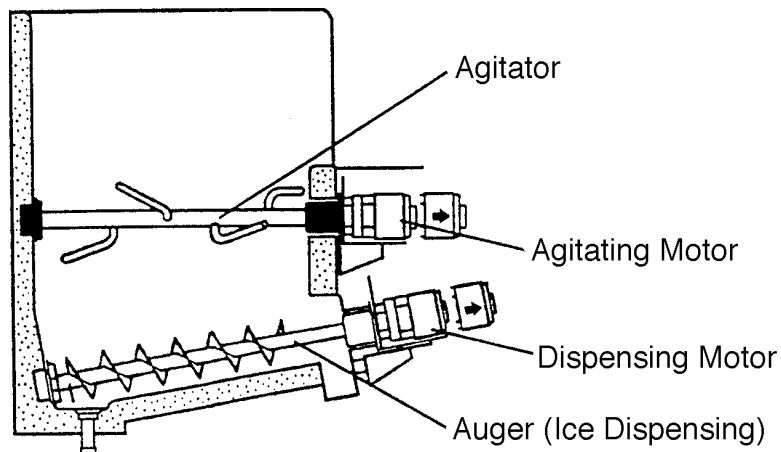


Fig. 7

5) Remove the bin control bracket assembly. See Fig. 8.

6) Remove the snap pin, shaft and actuator.

7) Remove the thumbscrews, spout and packing. See Fig 9.

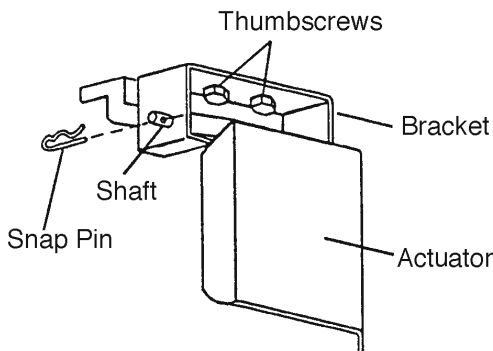


Fig. 8

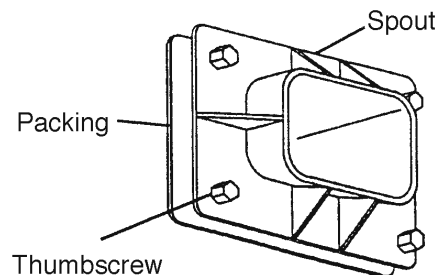


Fig. 9

8) Remove
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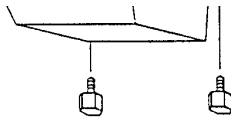


Fig. 10

- 9) Immerse the parts removed in steps 4 through 8 in the cleaning and sanitizing solutions for about 15 minutes each.
- 10) Rinse these parts thoroughly with clean water.
- 11) Thoroughly wipe the shutter located above the ice dispensing spout.
- 12) Reassemble the bin control bracket assembly.
- 13) Place the auger (ice dispensing), agitator, bin control bracket assembly, spout, packing, ice dispensing spout, water dispensing nozzle and spout cover back in position.
- 14) Clean the storage bin liner, and rinse thoroughly.
- 15) Plug the icemaker back in. Move the power switch to the "ON" position and replace all parts and panels in their correct positions.
- 16) Move the control switch to the "ICE" position to start the automatic icemaking process.

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bad or severe water conditions.	
Replacement of the following consumable parts is recommended if wear exceeds factory recommendations:	
Upper Bearing	
Lower Bearing	
Mechanical Seal	
Consult with your local distributor about inspection and maintenance service.	
To obtain the name and phone number of your local distributor, call Hoshizaki Technical Support at 1-800-233-1940 in the USA.	

1. Icemaker and Storage Bin

- Hoshizaki recommends cleaning this icemaker at least twice a year. More frequent cleaning, however, may be required in some existing water conditions.
- The storage bin is for ice use only. Do not store anything else in the bin.

2. Air Filter

A plastic mesh air filter removes dirt and dust from the air and keeps the condenser from getting clogged. As the filter gets clogged, the icemaker's performance will be reduced. Check the filter at least twice a month. When clogged, use warm water and a neutral cleaner to wash the filter.

3. Condenser

Check the condenser once a year, and clean if necessary by using a brush or vacuum cleaner. More frequent cleaning may be required depending on the location of the icemaker.

4. Stainless Steel Exterior

To prevent corrosion, wipe the exterior occasionally with a clean, soft cloth. Use a damp cloth containing a neutral cleaner to wipe off oil or dirt build up.

D. Preparing the Icemaker for Long Storage

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- 1) Close the door.
- 2) Move the control switch to the "OFF" position.
- 3) Move the power switch to the "OFF" position.
- 4) Activate the icemaker.
- 5) Move the control switch to the "OFF" position.
- 6) Allow the icemaker to run for 24 hours.
- 7) Move the control switch to the "OFF" position.
- 8) Remove the upper front, top and left side panels.
- 9) Move the power switch to the "OFF" position. See Fig. 4.
- 10) Unplug the icemaker from the electrical outlet.
- 11) Remove the front cover of the storage bin. Pour warm water into the storage bin, to melt any remaining ice. Dry out the storage bin.
- 12) Disconnect the transport hose. Remove any ice remaining in the hose.
- 13) Replace the storage bin cover and transport hose in their correct positions.
- 14) Plug the icemaker back in.
- 15) Move the power switch to the "ON" position. Replace the panels in their correct positions.
- 16) Move the control switch to the "DRAIN" position and wait for about 15 minutes for the water system to drain.
- 17) After the water has drained, move the control switch to the "ICE" position.
- 18) Open the potable water supply line drain valve and blow the line out using compressed air or carbon dioxide.
- 19) Close the potable water supply line drain valve.
- 20) Move the control switch to the "OFF" position. Remove the front panel.
- 21) Move the power switch to the "OFF" position.
- 22) Unplug the icemaker.
- 23) Replace the front panel in its correct position.

IMPORTANT

Before operating the icemaker again, check that the water supply line drain valve is closed, and open the water supply line shut-off valve.

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