

Undercounter Drain Pump

For Use with the Following Hoshizaki Ice Maker Series: KM-61/101/BAH and KM-80/81/115/116BAJ

Check to ensure that all parts are included in the icemaker accessory bag and HS-5061:

KM-81BAJ and KM-116BAJ Accessory Bag

Index No.	Description	Part Number	Qty.
1	Inlet Hose	472482R01	1
2	Joint Pipe	472483P01	1
3	Nylon Tie	8911-0200	5

For KM-61/101BAH and KM-80/115BAJ, order parts listed in the table above as they are not included in the accessory bag.

HS-5061

Index No.	Description	Qty.
1	Drain Pump	1
2	Vinyl Hose (vent hose) (3/8" ID×27.5")	1
3	Vinyl Hose (discharge hose) (1/2" ID×10')	1
4	Small Clamp (vent hose to drain pump)	1

Index No.	Description	Qty.
5	Medium Clamp (discharge hose to drain pump)	1
6	Hose Clips (vent hose)	2
7	Truss Head Screw (4×8, SS)	2

Items not used from the HS-5061 Kit

Index No.	Description	Qty.
1	Vinyl Hose (drain hose) (5/8" ID×4")	1
2	Vinyl Hose (drain hose) (5/8" ID×5")	1
3	Vinyl Hose (drain hose) (5/8" ID×6.5")	1
4	Large Clamp	2

These instructions are to be used when installing drain pump kit HS-5061.

For additional drain pump warranty, safety, maintenance, and trouble shooting information, refer to the installation manual provided with the drain pump.

⚠ WARNING

- Only qualified service technicians should install and service the appliance to reduce the risk of death, electric shock, serious injury, or fire. A plumbing permit and the services of a licensed plumber may be required in some areas. To obtain the name and phone number of your local Hoshizaki Certified Service Representative, visit www.hoshizakiamerica.com.
- No installation or service should be undertaken until the technician has thoroughly read these instructions. Failure to install, operate, and maintain this drain pump in accordance with these instructions will adversely affect safety, performance, component life, and warranty coverage and may result in costly water damage.
- Proper installation is the responsibility of the installer. Product failure or property damage due to improper installation is not covered under warranty.
- See the instruction manual provided with the icemaker for icemaker installation. Failure to install the icemaker within these guidelines may adversely affect safety, performance, component life, and warranty coverage.
- **THE ICEMAKER MUST BE GROUNDED:** The icemaker is equipped with a 3-prong grounding plug to reduce the risk of potential shock hazards. It must be plugged into a properly grounded, independent 3-prong wall outlet. If the outlet is a 2-prong outlet, it is your personal responsibility to have a qualified electrician replace it with a properly grounded, independent 3-prong wall outlet. Do not remove the ground prong from the power cord and do not use an adapter plug.
- The icemaker and this kit must be installed in accordance with applicable national, state, and local codes and regulations.
- Protect the floor when moving the appliance to prevent damage to the floor.
- This drain pump is approved for use only with the models listed.
- **CHOKING HAZARD:** Ensure all components, fasteners, and thumbscrews are securely in place after installation. Make sure that none have fallen into the ice storage bin.

Installation Instructions

- 1) Remove the front louver, then move the control switch to the "OFF" position. See Fig. 1. If plugged into an electrical outlet, unplug the icemaker from the electrical outlet.

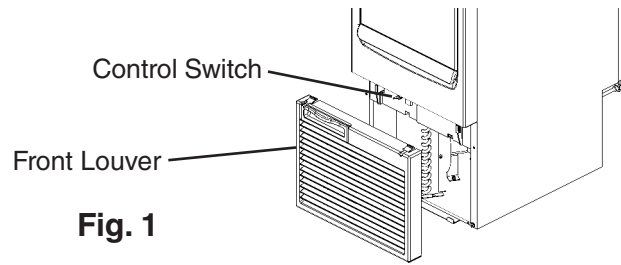


Fig. 1

- 2) Access the rear of the icemaker and remove the rear cover and pipe cover. See Fig. 2.

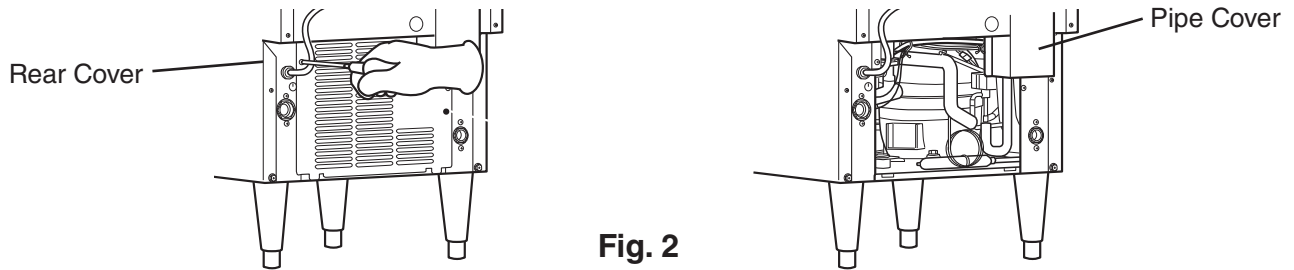


Fig. 2

- 3) Remove the drain outlet fitting and discard. See Fig. 3.

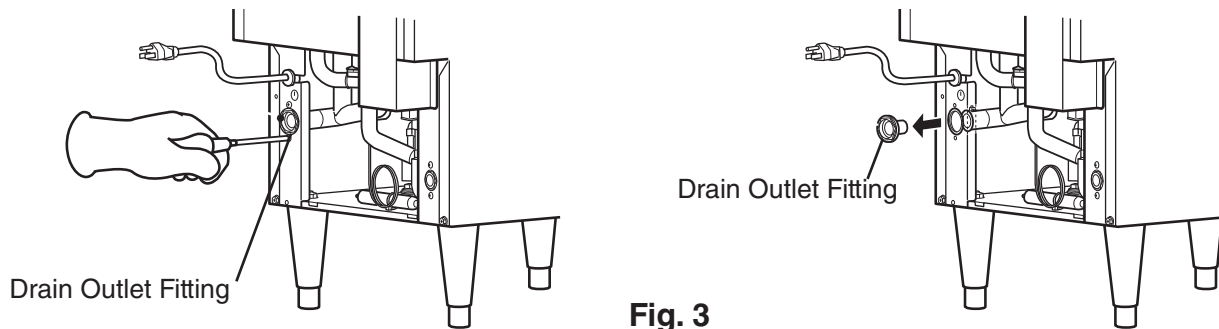


Fig. 3

- 4) Remove the drain hose drain cap from its current position and place it in the drain hose opening where the drain fitting was connected. See Fig. 4. Secure the drain cap to the drain hose with a nylon tie.

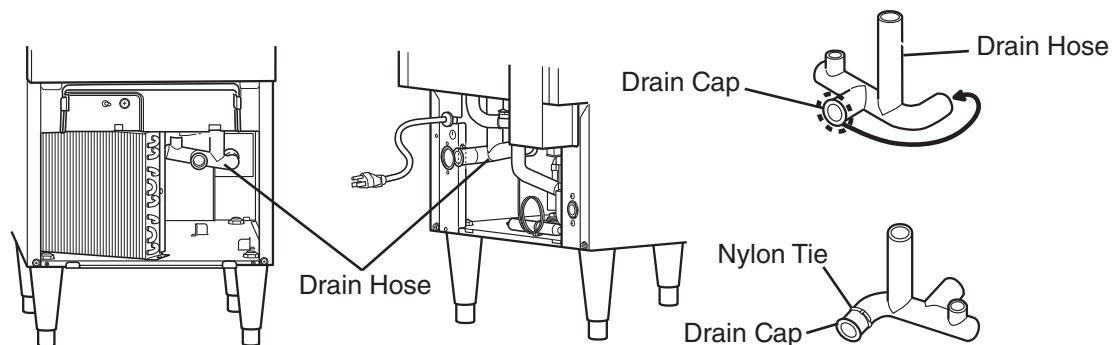


Fig. 4

5) Route the discharge hose and vent hose through the drain outlet fitting hole. See Fig. 5.

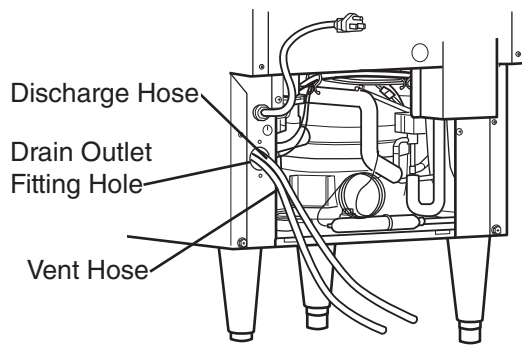


Fig. 5

6) Connect the discharge hose and vent hose to the drain pump. See Fig. 6. Secure the discharge hose with the medium hose clamp and vent hose with the small hose clamp. Do not over tighten.

7) Connect one end of the inlet hose provided in the accessory bag to the drain pump and the other end to the joint pipe provided with this kit. See Fig. 6. Secure with nylon ties.

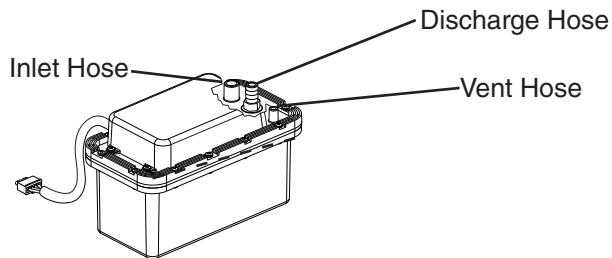


Fig. 6

8) Place the drain pump in the icemaker. See Fig. 7.

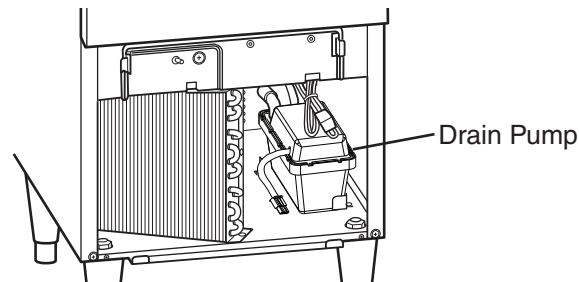


Fig. 7

9) Connect the icemaker drain hose to the joint pipe and secure with a nylon tie. See Fig. 8.

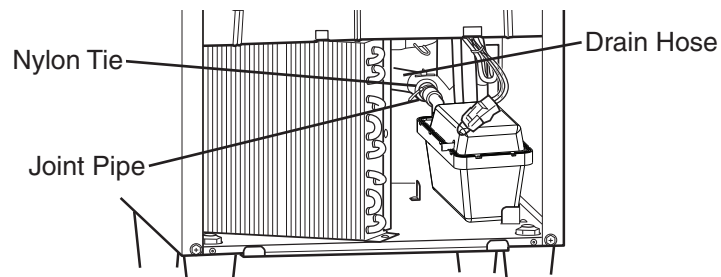


Fig. 8

- 10) Locate the icemaker drain pump connector (inside the plastic bag behind the pipe cover). Remove the icemaker drain pump connector from the plastic bag and remove and discard the jumper plug. Next, connect the drain pump connector to the icemaker's drain pump connector. See Fig. 9.
- 11) Place the icemaker drain pump connector in the plastic bag and secure with a nylon tie, then replace the connector in its correct position.



Fig. 9

- 12) Replace the pipe cover and rear cover back in their correct positions.
- 13) Secure the vent hose to the icemaker using the two hose clips and two 4x8 truss head screws. See Fig. 10.

NOTICE! The vent hose must be attached and secured to the icemaker or water damage may occur. Make certain there are no kinks in the vent hose. The drain pump will not operate correctly with a partially blocked vent hose.

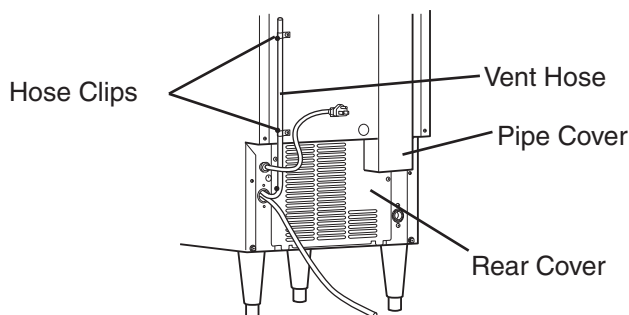


Fig. 10

- 14) Connect the discharge hose to a suitable drain.

Floor Drain: When connecting to a suitable floor drain, an air gap of minimum 2" (5 cm) must be used. See Fig. 11.

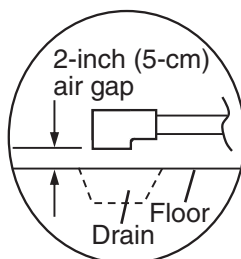


Fig. 11

Existing Drain Pipe: When connecting to a suitable existing drain pipe (sink), the drain line must be installed in accordance with applicable national, state, and local codes and regulations. **IMPORTANT! Confirm with local and state plumbing codes before connecting to an existing drain pipe. An air gap device (not included) may be required. See Fig. 12. NOTICE! Be sure there is sufficient extra tubing for the unit to be pulled out for service.** Do not allow traps or kinks in the hose that will restrict water flow. The maximum discharge hose length is 20 feet (6 m). The maximum discharge hose lift height is 8 feet (2.4 m). Cut excess hose as needed.

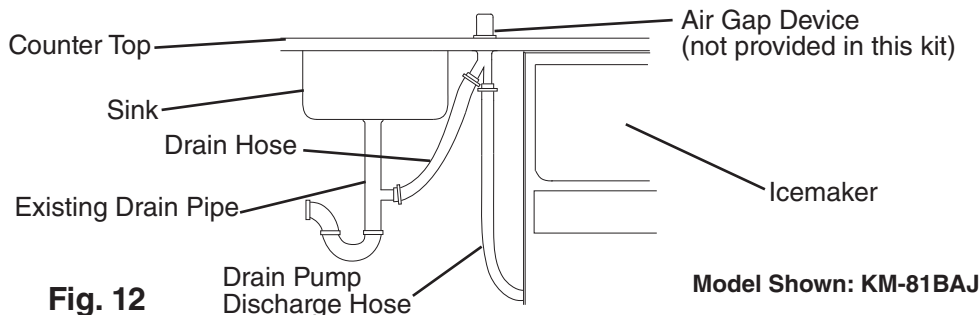


Fig. 12

Model Shown: KM-81BAJ

- 15) Make sure the icemaker control switch is in the "OFF" position. Plug the icemaker into the electrical outlet.
WARNING! To reduce the risk of electric shock, do not touch the control switch or power supply cord plug with damp hands.
- 16) Slowly pour 24 to 30 oz. (710 to 890 ml) of water over the ice storage bin drain hole in the ice storage bin.
- 17) Confirm that water is discharged through the discharge hose. The drain pump should then de-energize.
- 18) Make sure there are no water leaks.
- 19) To test the operation of the drain pump internal safety switch, move the control switch to the "ICE" position. Pour another 24 to 30 oz. (710 to 890 ml) of water into the ice storage bin, then completely restrict the discharge hose while the drain pump is operating. Pour more water into the ice storage bin until the icemaker turns off. The drain pump will continue to operate. Check for leaks. Remove the discharge hose restriction and allow the water to be pumped out normally. The power to the icemaker will be restored when the water in the drain pump returns to a normal level.
- 20) Replace the front louver in its correct position, then place the icemaker in the final installation location.
WARNING! Protect the floor when moving the appliance to prevent damage to the floor. Make sure you do not damage or pinch the water supply line, discharge tubing, drain connections, or power cord. Be sure there is sufficient extra tubing for the unit to be pulled out for service.

Final Check List

- 1) Is the drain pump level? If necessary, has the appliance's copper tubing been carefully bent or moved so that it does not make contact with the drain pump or hoses?
- 2) Have all electrical and water connections been made per this installation manual and the instruction manual provided with the appliance? **WARNING! To reduce the risk of electric shock, do not touch the control switch, drain pump connector, or power cord plug with damp hands. Make sure you do not damage or pinch the inlet water supply line, drain pump discharge tubing, drain pump connections, or power cord.**
- 3) Are all water connections tight and free of leaks?
- 4) Has the drain pump been tested?
- 5) Has sufficient extra tubing been left for the unit to be pulled out for service?
- 6) Are the water supply hose, vent hose, and discharge hose free of kinks?
- 7) Has the end user been given these instructions and instructed on the importance of the recommended periodic maintenance?
- 8) Has the end user been given the contact information of an authorized service agent?

Maintenance

Clean, sanitize, and maintain the appliance per the instructions provided in the icemaker's instruction manual. If the instruction manual is not available, consult with your local distributor, visit www.hoshizakiamerica.com, or call Hoshizaki Technical Support at 1-800-233-1940 in the USA.

Troubleshooting

- Appliance does not run:
 - Make sure there is power at the electrical outlet.
 - Make sure the control switch is in the "ICE" position.
 - Make sure the ice storage bin is not full.
 - Make sure the drain pump is properly connected to the appliance.
 - The appliance will not run if the drain pump is filled to capacity, but the drain pump will continue to operate. When the water level lowers, the appliance will restart.
- Drain pump does not run:
 - Make sure there is power at the electrical outlet.
 - Make sure the drain pump connector is connected to the drain pump connector.
 - Make sure the hole at the top of the drain pump inlet fitting is clear and that there is nothing blocking water flow to the drain pump. Clean as needed.
 - Make sure the vent hose is open and free of kinks and sharp bends.
 - Make sure there is enough water to activate the drain pump. It takes at least 24 oz. (710 ml) of water to activate the drain pump.
- The drain pump runs but no water is pumped out:
 - Make sure the discharge hose is free of foreign material and free of traps and kinks.
 - Make sure the discharge hose has not exceeded the maximum horizontal length of 20 feet or the maximum lift height of 8 feet.

Note: If the drain pump fails, water will remain in the drain pump and the appliance if installed properly.

Warranty

This optional Hoshizaki drain pump carries a one year parts and labor warranty. The warranty begins on the installation date of the drain pump. For warranty validation, be sure to properly register your icemaker.

Installer Notes

- Leave this instruction manual along with the icemaker instruction manual and warranty information with the end user for future reference.
- Instruct the user on icemaker operation and the importance of regular maintenance.

Model Number of Icemaker: _____

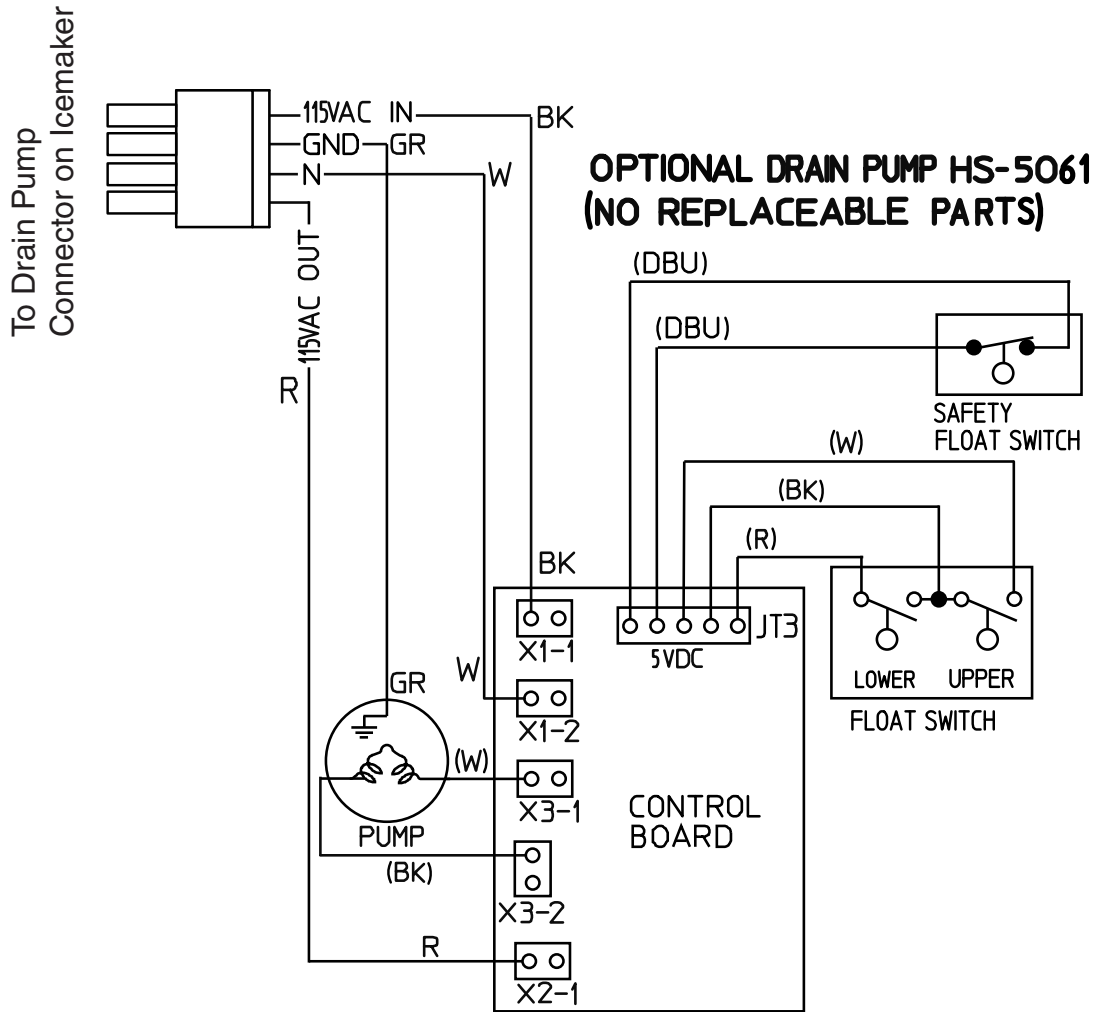
Serial Number of Icemaker: _____

Drain Pump Installation Date: _____

Contact Information

Hoshizaki America, Inc.
618 Highway 74 South
Peachtree City, GA. 30269
Tel: 1-800-233-1940 - Technical Support
E-mail: techsupport@hoshizaki.com
Web: www.hoshizakiamerica.com

HS-5061 Wiring Diagram



Wire Color Code

BK-BLACK
DBU-DARK BLUE
GR-GREEN
R-RED
W-WHITE

Voltage Code

GND-GROUND
N-NEUTRAL