

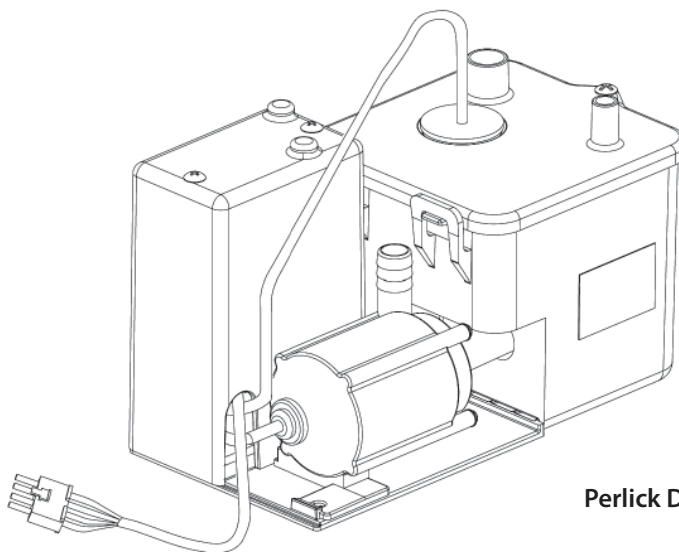


Drain Pump Kit for Undercounter Clear Ice Maker

For use with H50IMS, H50IMW and H50IMS-AD Clear Ice Makers

Check to ensure all parts are included:

Index No.	Description	Part No.	Qty.
1	Drain Pump Assembly	1A2015A01	1
2	Vinyl Hose (drain hose) (5/8" I.D. x 6.5")	4A0658L03	1
3	Silicone Hose (vent hose) (3/8" I.D. x 19.5")	7730I3896	1
4	High Pressure Clear PVC Hose (discharge hose) (1/2" I.D. x 9' 4.5")	4A5195L01	1
5	Large Clamp (drain hose/drain elbow)	4A2017-09	2
6	Small Clamp (vent hose/check valve)	4A2017-07	2
7	Hose Clips (vent hose)	4A5250-01	2
7a	Truss Head Screw (4x8, SS)	7C32-0408	2
8	Check Valve	4A5131-01	1
9	High Pressure Clear PVC Hose (discharge hose) (1/2" I.D. x 7.5")	Factory cut from item 4	1



Perlick Drain Pump

WARNING

1. See the instruction manual provided with the ice maker for ice maker installation. If an instruction manual is not available, visit our website at www.bringperlick.com or contact Perlick Technical Support at (800)558.5592.
2. The icemaker and this kit should be installed only by qualified service personnel 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.
- 3. THE ICE MAKER 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 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.
4. The icemaker and this kit must be installed in accordance with applicable national, state, and local codes and regulations.
5. Failure to install the icemaker and this kit within these guidelines may adversely affect safety, performance, component life, and warranty coverage.



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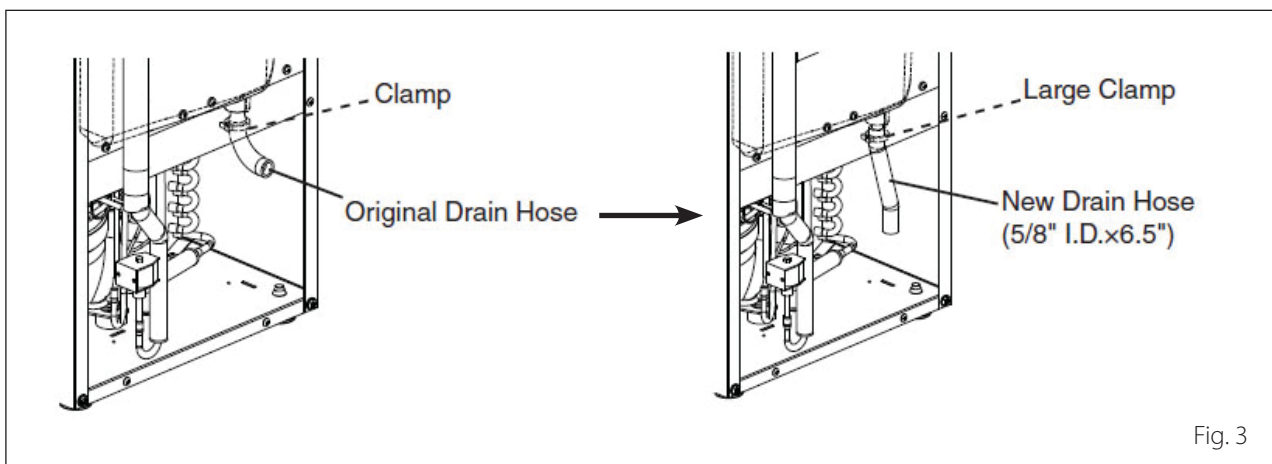
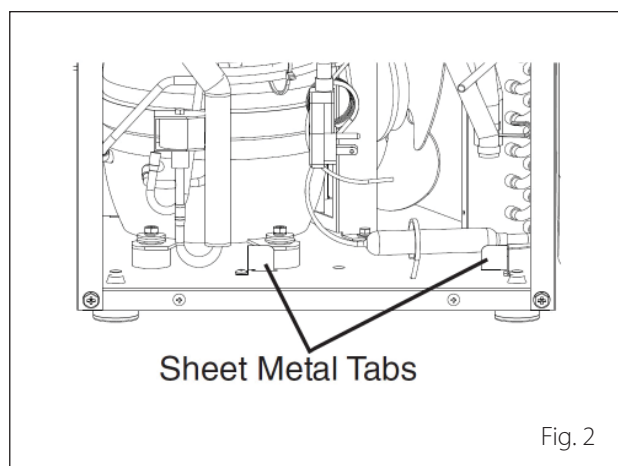
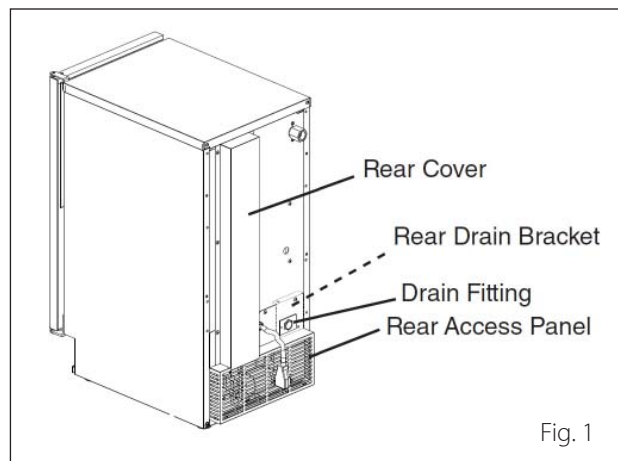
INSTALLATION INSTRUCTIONS

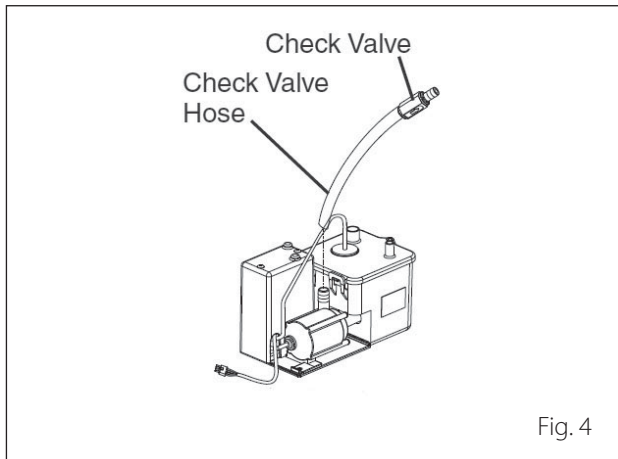
This drain pump is designed to remove drain water from an undercounter icemaker in areas without direct drainage access. The drain pump reservoir collects drain water and pumps it through a 1/2" I.D. high pressure clear pvc hose (discharge hose). The maximum discharge hose length is 20 feet. The maximum lift height is 8 feet.

CAUTION This drain pump is approved for indoor use only.

1. Move the control switch to the "OFF" position and unplug the unit from the electrical out.
2. Remove the rear access panel and rear cover (see Fig. 1). Disconnect the drain house and remove the rear drain bracket and drain fitting.
3. If the sheet metal tabs are present on your unit, remove them (see Fig. 2).
4. Remove the original drain hose and install the new drain hose (5/8" I.D.x6.5") provided in this kit. (See Fig. 3). Secure the new drain hose with one of the large clamps provided in this kit. Use pliers to tighten the clamp. **CAUTION! Do not over-tighten the clamp.**

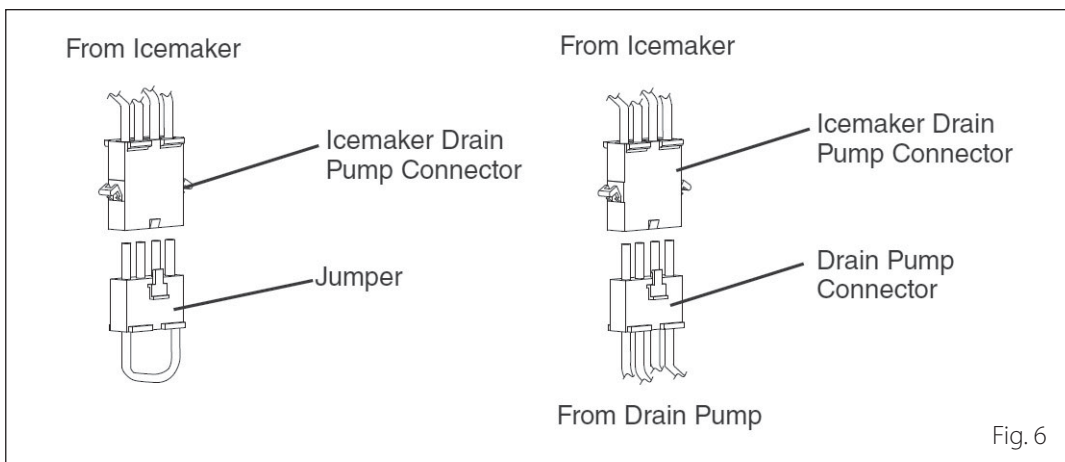
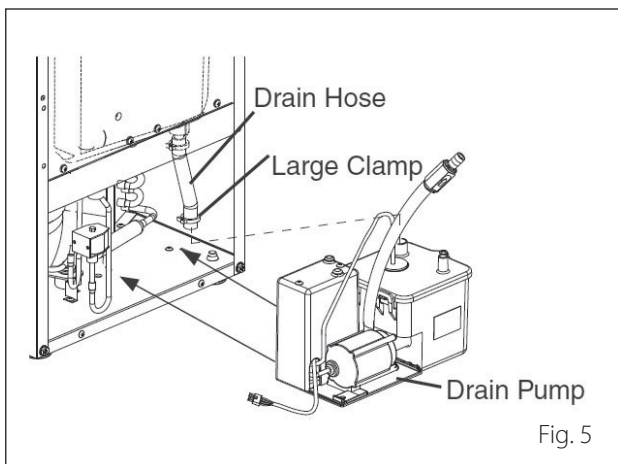
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5. Connect the check valve hose to the drain pump. (See Fig. 4.) Carefully place the drain pump into the open space provided at the rear of the icemaker. The drain pump will overhang the base slightly. **CAUTION! Drain pump MUST be level.**
6. Connect the drain hose/drain elbow to the drain pump as illustrated in Fig. 5. Secure the drain hose/drain elbow with the remaining large clamp. Use pliers to tighten the clamp. **CAUTION! Do not over-tighten the clamp.**
7. Remove the jumper plug from the icemaker's drain pump connector. (See Fig. 6). The jumper plug is not needed when a drain pump is installed.

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8. On H50IMS and H50IMW units, route the vent hose (3/8" I.D. x 19.5") through the drain fitting area (vent hose access area) in the rear access panel (see Fig. 7).
9. On H50IMS-AD units, route the vent hose through the 23 mm diameter vent hose access hole in the rear access panel. (See Fig. 8). If the rear access panel does not have a vent hose access hole, drill a 23 mm or 3/4" diameter hole into the rear access panel.
10. Secure the vent hose to the drain pump with the small tubing clamp provided. Use pliers to tighten the clamp.
CAUTION! Do not over-tighten the clamp.
11. Route the check valve through the drain fitting area in the rear access panel. (See Fig. 9).
12. Connect the discharge hose (1/2" I.D. x 9' 4.5") to the check valve. **CAUTION! Be sure the direction of the check valve arrow is pointing away from the unit.**
13. Reinstall the rear cover and rear access panel in their correct positions. (See Fig. 10).

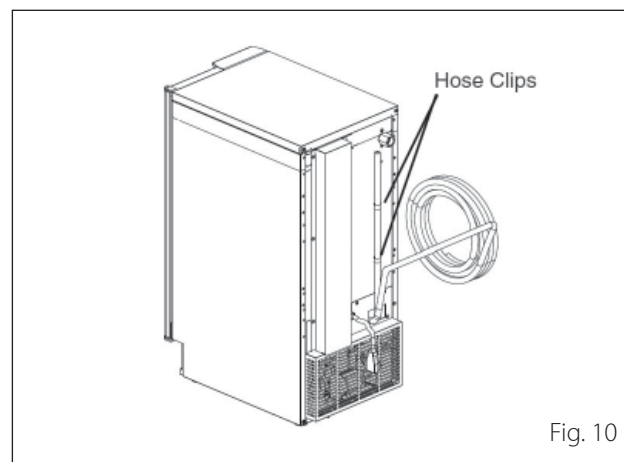
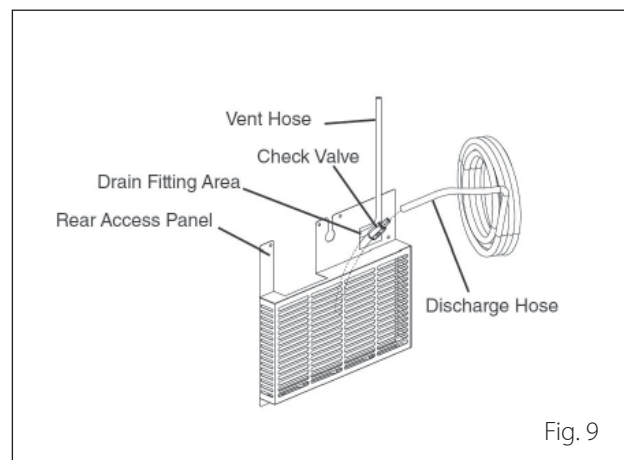
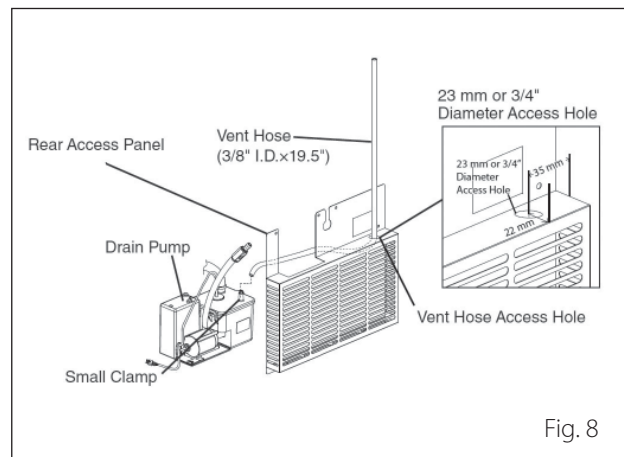
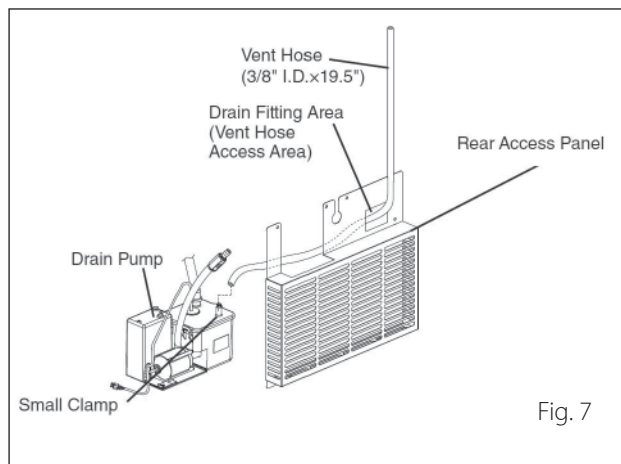


WARNING

Make sure that there are no wires pinched between the rear access panel, rear cover, or icemaker.

14. Secure the vent hose to the icemaker using the two hose clips and two 4x8 truss head screws provided. (See Fig. 10). Screw holes are provided. **CAUTION! 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.**

Continued on page 5



15. Connect the discharge hose to a suitable drain. Do not connect the discharge hose directly to a drain pipe or a floor drain. An air gap of a minimum of 2" (50.8 mm) should be between the end of the discharge hose and the floor drain or drain piping. Cut excess hose as needed. Do not allow traps or kinks in the hose that will restrict water flow. The maximum discharge hose length is 20 feet. The maximum discharge hose lift height is 8 feet.
16. Plug the icemaker into the electrical outlet.
17. Test the drain pump by slowly pouring water into the icemaker's ice storage bin. Approximately 1 pint (500 ml) of water is required to activate the drain pump. The drain pump will turn on automatically and pump out the water.
18. To test the operation of the drain pump internal safety switch, move the control switch to the "ICE" position (AM-50 series) or the power switch to the "ON" position (C-100 series). Pour another quart (950 ml) of water into the icemaker's ice storage bin, then completely restrict the discharge hose while the drain pump is operating. Pour more water into the icemaker's 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.
19. Place the icemaker in the final installation location. Make sure you do not damage or pinch the water supply, drain connections, or power cord.

MAINTENANCE

The following items require review on a regular basis:

- Make sure the inlet tube from the icemaker drain fitting to the drain pump is open and free of foreign material. Inspect the hole at the top of the drain pump inlet fitting to ensure there is nothing blocking water flow to the drain pump.
- Make sure the vent tube is open and free of kinks so that air flows freely to the drain pump reservoir.
- Make sure the discharge tube is free of foreign material (algae, etc.) and free of traps and kinks.
- Make sure the drain pump check valve is operational by observing that water flow is evident in one direction only – out of the drain pump. Remove and clean as required.

TROUBLESHOOTING

Ice Maker does not run:

- Make sure there is power at the electrical outlet
- Make sure the Ice Maker's control switch is in the "ICE" position.
- Make sure the Ice Maker's ice storage bin is not full.
- Make sure the drain pump is properly connected to the Ice Maker.
- The Ice Maker 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 Ice Maker 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 icemaker's 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 tube is open and free of kinks and sharp bends.
- Make sure there is enough water to activate the drain pump. It takes at least 1 pint (500 ml) of water to activate the drain pump.

The drain pump runs but no water is pumped out:

- Make sure the discharge tube is free of foreign material and free of traps and kinks.
- Make sure the discharge tube 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 ice maker if installed properly.



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WARRANTY

This optional Perlick 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.

Model Number of Icemaker: _____

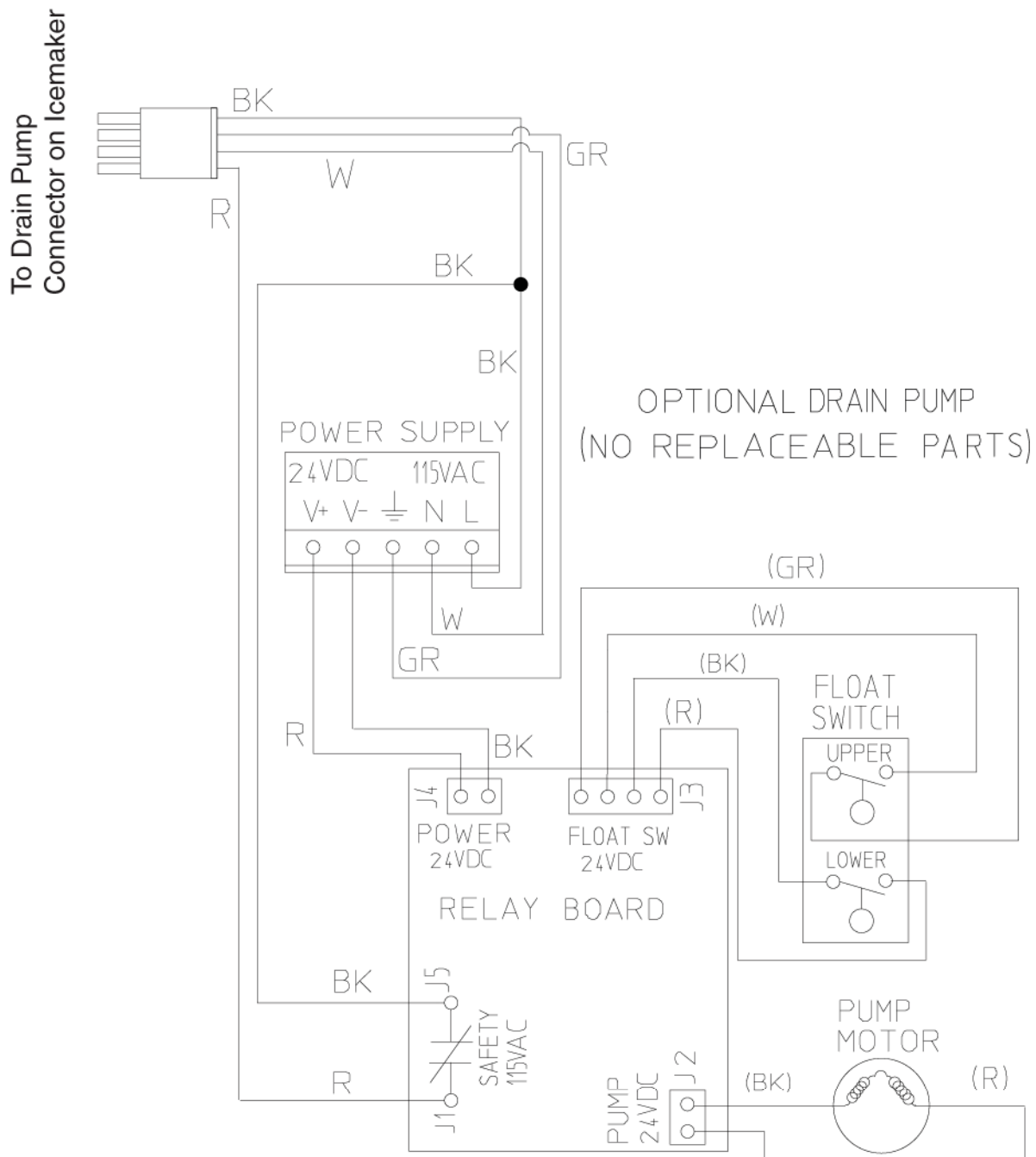
Serial Number of Icemaker: _____

Drain Pump Installation Date: _____

CONTACT INFORMATION

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