

# INSTALLATION INSTRUCTIONS - RIM900. Universal bare ice maker, designed to replace 120 Volt 8 cube modular style ice makers.

Your original ice maker should look like Figure 1, the connector that attaches to the ice maker control head should look like Figure 2. If the old ice maker does not match both of the pictures then you have the wrong ice maker. \*



Figure 1



Figure 2



Disconnect power before servicing equipment.

## WARNING !

TO AVOID POSSIBLE ELECTRICAL SHOCK, WHICH CAN CAUSE DEATH OR SERIOUS INJURY, ALWAYS DISCONNECT POWER FROM THE APPLIANCE BEFORE ATTEMPTING ANY REPAIRS OR MODIFICATIONS.

Make sure that the water supply is filtered and microbiologically safe. Make sure that the water supply is not routed through a water softener as those chemicals will destroy the icemold. Do not route the water supply line through an area exposed to freezing temperatures.

NOTE: AFTER INSTALLATION THE ICEMAKER MUST COOL DOWN TO 3°F BEFORE IT WILL OPERATE. THIS ICEMAKER WILL "WAKE UP" AFTER IT REACHES 3°F. AT THAT TIME, THE ICEMAKER WILL CALL FOR WATER. It will take from 2 hours to 24 hours after the ice maker is installed to make the first batch of ice, if the freezer is continuously at or below 3°F. Be sure to throw away the first 2 or 3 trays of ice. These will taste like stagnant water from water that has been standing in the supply line. Manufacturer recommends that this freezer temperature be set between 0°F and 5°F for optimum ice production.

## Instructions to change icemaker.

1. Loosen top two mounting screws. Remove bottom mounting screw.
2. Lift out old icemaker. Make sure not to damage the fill tube.
3. Unplug wiring harness. There is a clip on the connector that you will need to lift to unplug the connector.
4. Save the old icemaker hardware, you will need this hardware to install the new icemaker.
5. Remove the front cover, it pulls off. While facing the drive gear, look to the lower left-hand side of the control head. You will see where the cable plugs in. Press the tab and release the harness. Insert your old harness until it locks. Replace front cover.
6. At the back of the ice maker, there is a fill cup. There are pre-scored lines on the fill cup. Use a sharp knife to cut out the side that you need for your application.
7. Attach any hardware or mounting brackets from your old ice maker to the replacement ice maker. Plug new ice maker back into the freezer.
8. Mount the ice maker back into the freezer, making sure not to damage the fill tube as you install it.
9. Level the ice maker left to right and front to back, before tightening the screws. Make sure the thermal fuse on the wiring harness is clipped securely to the ice maker frame.
10. Attach the lift arm. The lift arm turns the ice maker on and off. Engage the lift arm in the front and through the fill cup bearing in the back. While looking across the ice-mold from the rear of the ice maker you will see a white round recess with a slot in it. The offset on the lift arm will push into this slot and lock. After locking the lift arm in place, put the lift arm in the down position to turn on the ice maker.

Do not adjust the ice maker! The ice maker will need to cool down to 3°F before it will add water. If water has not filled the ice-mold, after the freezer has cooled to 3°F and 24 hours has past. See troubleshooting guide.

\* If you have the wrong ice maker, contact the company that sold you the ice maker to return this ice maker for the correct ice maker. If there is a problem, after allowing 24 hours for the ice maker to cool to 3°F and following the attached troubleshooting guide, then contact [Techsupport@supco.com](mailto:Techsupport@supco.com) for assistance.



## Diagnosing and Checking Procedures for the Modular Icemaker

Complaint	Probable Cause	Corrective Action
<b>No Ice</b>	1. Freezer not cold enough. Ice maker will not make ice or even add water unless freezer is 3° or colder	1. Allow several hours for freezer to cool down to 3° F. If freezer does not cool down to 3° F, adjust thermostat to colder temperature or repair freezer.
	2. Arm is in up [OFF] position	2. Depending on model; Free arm and/or lower arm. Replace ice bin.
	3. No power to the ice maker	3.1 Loose wire in the connectors, replace wiring harness. 3.2 Thermal fuse bad in harness. Replace wiring harness.
	4. No water in ice maker.	4.1 Make sure freezer is cold enough, water will not flow into icemaker if freezer is not 3°F or colder. 4.2 Water supply is off, turn on water supply. 4.3 Check water supply saddle valve, replace if reduced flow. 4.4 Check water valve on the freezer, replace if needed. 4.5 Replace modular head
	5. Ice maker fails to complete a cycle.	5.1 Check mold heater if bad replace icemaker 5.2 Replace modular head
<b>Low Ice</b>	1. Freezer not cold enough.	1. Allow several hours for freezer to cool down to 3° F. If freezer does not cool down to 3° F, adjust thermostat to colder temp. or repair freezer.
	2. Arm operation intermittent	2.1 Arm is not installed properly, align arm and click into place. 2.2 Arm is blocked by something [ice build up or other item in freezer. Free arm and turn icemaker on [Arm down]
	3. Water supply problem.	3.1 Check water valve for adequate pressure [20 PSI or better]. Also check flow rate [130cc to 150cc in 8 seconds]. 3.2 Check water supply saddle valve, replace if reduced flow. 3.3 Water not staying on for 8 seconds, incomplete fill. It is very unusual to need to adjust the water fill. It typically only needs to be adjusted if there was a new water valve installed with a non-standard flow rate. To adjust turn screw clock-wise up to one turn to decrease water amount. [1/2 turn equals 20cc or 1.2 seconds] Counter-clockwise to add water. DO Not adjust the water flow more than one turn this will damage the main module. Changing this setting will not make water flow into the ice maker see no ice procedure if no water flows.
<b>Too Much Ice</b>	1. Arm stuck in down position or not moving	1.1 Arm is not installed properly, align arm and click into place. 1.2 Arm is blocked by something [ice build up or other item in freezer. Free arm and turn ice maker on [Arm down]
	2. Broken shut off activator [in modular head]	2.1 Replace ice maker or module
	3. Too much water	3.1 Check water valve, if fill tube freezes up or continues to drip replace water valve. If water flows too long check to see if valve is shutting off. 3.2 Water is staying on for more than 8 seconds and overflowing. It is very unusual to need to adjust the water fill. It typically only needs to be adjusted if there was a new water valve installed with a non-standard flow rate. To adjust turn screw clock-wise up to one turn to decrease water amount. [1/2 turn equals 20cc or 1.2 seconds] Counter-clockwise to add water. DO Not adjust the water flow more than one turn this will damage the main module. Changing this setting will not make water flow into the ice maker, see no ice procedure if no water flows.
	4. Ice maker fails to stop at the end of cycle or stop[s] mid cycle	4.1 Check modular head and replace if needed. 4.2 Harvest thermostat is short cycling replace ice maker.