Installation Instructions for RIM943 Replacement Automatic Icemaker Kit

Disconnect power before servicing equipment.

For Best Service

- Make sure freezer is set to 3°F or colder. Allow ice maker to cool down to 3°F. The ice maker will not add water or cycle until it is 3°F.
- Water pressure must be between 15 psi to 125 psi.
- Make sure to level the ice maker to get even size cubes.
- Throw away the first 2 or 3 trays of ice. This ensure that any stagnant water from the water line is cleared away.

If you are not replacing an existing ice maker, you need a different installation kit. See dealer for the correct kit.

Instructions

1. Remove defective ice maker from the freezer. Unplug harness. Check harnesses supplied with new kit to make sure you have the correct harness. Contact dealer if your harness type is not in the kit. *See Figure 1*
2. If the existing ice maker has a mounting plate, save the old plate and hardware for reuse. Note: Mounting plates vary by brand and model.
3. Plug in existing cable to ice maker head or use the cable provided. Existing harness may be round or flat. Round harness may have spacers.
4. Install replacement ice maker. Use old hardware and mounting plate (if required). Note: If old ice maker was mounted on square mounting holes, you will need to use the two stainless clips provided.
5. Check position of water inlet fill tube and align it with the fill tray. Use a sharp knife to remove the prescored cut out that matches your old ice maker.
6. Sensor arm must be in the down position. Note: Down to make ice and up to turn off ice maker.
7. Raise and lower sensor arm to make sure the ice bin or auger bucket does not interfere with the motion of the arm. The shut off arm may be reshaped if necessary, as illustrated in *Figure 2*, or remove shut off arm from old ice maker and install on the new ice maker.
8. Reconnect power and turn on ice maker by lowering sensor arm.
9. Allow ice maker to cycle for 24 hours, discarding any ice made in that day.

Figure 1

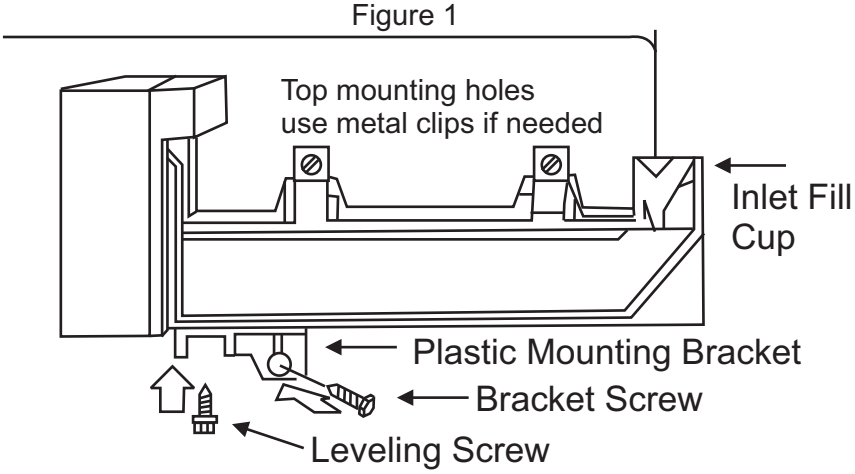
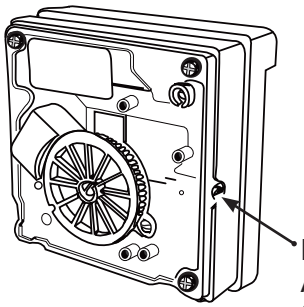


Figure 2 (Sensor Arm)

This procedure is for technicians only.



Remove cover (pull straight forward) When facing the level adjustment screw, make a 1/2 turn clockwise to decrease the water flow by 20 cc's. Turning the adjustment screw counter clockwise will increase water flow.

Diagnosing and Checking Procedures for the Modular Icemaker

Complaint	Probable Cause	Corrective Action
No Ice	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 ice maker if freezer & ice maker are 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
Low Ice	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 ice maker 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.
		4.1 Harvest thermostat is short cycling replace ice maker.
Too Much Ice	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. Check modular head and replace if needed.