

# INSTRUCTIONS FOR REPLACING THE ICE MAKER ASSEMBLY IN RARITAN ICER-ETTE (AUTOMATIC ICE MAKERS)

**WARNING:** *Raritan Engineering Company, Inc. recommends that only a qualified technician install, troubleshoot or repair this product. Equipment damage, injury to personnel or death could result from improper installation. Raritan Engineering Company, Inc. accepts no responsibility or liability from damage to equipment, or injury or death to personnel that may result from improper installation of this product.*

**WARNING:** Refrigeration Equipment contains refrigerant fluids under very HIGH PRESSURE. Danger of sudden pressure release resulting in injury, death, or severe frostbite may result from not following instructions

**CAUTIONS:** DO NOT plug a 115/120 volt unit into a 220/240 volt power source.  
DO NOT plug a 220/240 volt unit into a 115/120 volt power source.  
DO NOT use a transformer to step down 220/240 volt 50 HZ power supply to 115/120 volt. Equipment designed for 60 HZ may run slow on 50 HZ, resulting in inferior operation and possible overheating of the motor(s).

## IMPORTANT INFORMATION

Units Manufactured prior to September of 2007 (see Fig. 1) contain a unique evaporator that provides the best possible contact between the ice maker assembly and the evaporator shelf. For this reason, **the ice maker assembly may only be changed by following all instructions completely.** These instructions call for refrigerant removal and recovery, evacuation and recharging of the refrigeration system. **Failure to evacuate the system with unique evaporators will result in damage to the unit.**

**Units Manufactured after September of 2007** do not have an evaporator that requires evacuation and will skip Step 4 under Removal of Icemaker Assembly and Steps 7 & 8 under Installation of Icemaker Assembly.

Be sure that removing the ice maker assembly is necessary; it should only require removal if the ice mold heater stops functioning or if the one-time limit switch molded into the wiring harness (#I44A/I44A220) has tripped. **All other servicing can be done without removing the ice maker assembly.**

To identify parts, etc., refer to the Icer-ette Owner's manual included with the ICER-ETTE unit.

**Tools required:** Thin blade flat screw driver; 5/16" nut driver, Torx tamper-proof bit #T-15, "Alumilastic" thermal transfer caulk, refrigeration recovery equipment: vacuum pump, charging manifold, cylinder of refrigerant R12 or R134A. Units manufactured before January 1993 require a saddle-type line tap refrigeration service valve.

Fig. 1



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Icer-ette Automatic Icemaker  
Model: 85B515-1 Serial # 123456 **0313**  
AC Volts: 115 60HZ 1 Phase  
1/8 HP 2.5Amp 2.4Oz R-134A

Manufactured Date = MMY in this example  
unit was manufactured in March of 2013

## REMOVAL OF ICEMAKER ASSEMBLY

Read and understand all instructions before proceeding.

### WARNINGS:

- Always wear eye protection. **DO NOT** mix refrigerants.
- **DO NOT** discharge refrigerants into the atmosphere. In accordance with Federal law removal of refrigerants can only be done by a certified technician with proper refrigerant recovery equipment.
- Disconnect power to the unit by unplugging the power cord or by turning off the circuit breaker. Turning "OFF" the on-off switch **DOES NOT** disconnect the Icer-Ette from the power source and the danger of electrical shock will remain.
- **DO NOT** remove the Ice Maker Assembly until the refrigerant has been removed.

## REMOVAL OF ICEMAKER ASSEMBLY

**SKIP STEP #4 if unit Manufactured after 0907**

1. Unplug unit/turn off circuit breaker.
2. Remove plastic cover (#I34A) from front of ice maker assembly.
3. Disconnect orange wire by separating the plug in the middle of the wire.
4. Recover refrigerant from system. In accordance with Federal law, this may only be done by a certified refrigeration technician. Refrigerant service line is located on the compressor. On models 83 and 85 the service line can be accessed by removing the front grill. On models 82 and 84 the enclosure cover, on the back of the unit, will have to be removed.

**Note: early units had a sealed system; these will require that a saddle-type line tap valve be installed before the refrigerant may be recovered. Units manufactured after January 1993 have a Shraeder-type valve installed to facilitate this process. Recover the refrigerant using certified recovery equipment. Do not vent the CFC refrigerant into the atmosphere - this is a violation of Federal law. The refrigerant, R12, is a recognized ozone-depleting agent.**

5. Using a 5/16" nut driver, remove the two mounting screws on the left side of the mold, attaching the ice maker assembly to the evaporator.
6. Using a #T-15 tamper-proof Torx bit, or flat blade screwdriver remove the three screws from the bottom of the icemaker assembly. Set aluminum plate and gasket aside.
7. Carefully slide ice maker assembly about 3/4" to the right.
8. Using thin, flat screw driver, depress tab on wiring harness plug (left side of module portion of ice maker assembly) and remove wiring harness from rear of module portion of ice maker assembly.
9. Ice maker assembly should now be able to be removed. It may seem to be "stuck" to evaporator shelf. Carefully wiggle it a bit, then remove it.

## INSTALLATION OF ICE MAKER ASSEMBLY

**SKIP STEPS #7&8 if unit Manufactured after 0907**

1. Spread Alumilastic conservatively over bottom of ice maker assembly in area where it will make contact with the evaporator shelf.
2. Set ice maker assembly on evaporator mold shelf and plug wire harness into left rear of module portion of the ice maker assembly. Be sure wire harness plug snaps into position in the ice maker assembly.
3. Reconnect orange wire by joining plug - be sure it is plugged all the way in.
4. Reposition 1/4" aluminum plate and gasket on bottom of evaporator shelf and start screws. (Note: gasket goes between evaporator shelf and aluminum plate.
5. Position plastic clamps on cold control probe and align holes on left side of mold with corresponding holes in left wall of evaporator. Replace screws and tighten.
6. Tighten three Torx screws on bottom of ice maker assembly.
7. Evacuate refrigeration system to 29 in/hg or better. Allow system to set in a vacuum condition for several minutes to determine if any leaks are present. If leaks are present, repair them and re-evacuate system.
8. Recharge system with refrigerant stated on nameplate or label to the charge specifications.
9. Plug unit in/turn on circuit breaker.
10. Reinstall ice maker unit in its normal location. Turn on water line if it had been turned off. Models 82 and 84: be sure to replace the cover over the rear mechanism before re-commissioning the unit; it will not work properly unless rear cover has been put back on.
11. Check ice production. First ice harvest should take place approximately 60 minutes after water enters ice mold.



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