

# RETROFIT INSTRUCTIONS

## WCC700 SERIES EVAPORATOR CONVERSION KIT (P/N 631500317)

The purpose of this kit is to convert a WCC700 Series icemaker from the non-reinforced evaporator assembly to the reinforced (collared) evaporator assembly. This conversion will require replacing the evaporator assembly, the dispense tray assembly and clamp, and the extruder head assembly.

### SAFETY

 **WARNING:**

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

**Failure to comply could result in serious injury, death or damage to the equipment.**

### QUALIFIED SERVICE PERSONNEL

 **WARNING:**

Only trained and certified electrical, plumbing and refrigeration technicians should service this unit.

**All wiring and plumbing must conform to national and local codes. Failure to comply could result in serious injury, death or equipment damage.**

### SAFETY PRECAUTIONS

This unit has been specifically designed to provide protection against personal injury. To ensure continued protection observe the following:

 **WARNING:**

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

**Failure to comply could result in serious injury, death or damage to the equipment.**

 **CAUTION:**

Always be sure to keep area around the unit clean and free of clutter.

**Failure to keep this area clean may result in injury or equipment damage.**

## Parts List

SI. No.	Part Number	Description
1	630000651	Evaporator Assembly
2	630001255	Dispense Tray Assembly
3	638036087	Clamp
4	630900608	Extruder Head Assembly
5	638090219	Nylon Bearing
6	638090220	Delrin Bearing
7	638004393	Dryer, 1/4"
8	168833000	Lock Washer (4)
9	161179001	Bolt (4)
10	630460331INS	Installation Instructions

## REPLACEMENT INSTRUCTIONS

1. Remove the top, front, and side panels in that order.
2. Recover the refrigerant from the icemaker using appropriate recovery techniques.
3. Drain the water from the evaporator by disconnecting the water feed line at the bottom of the evaporator.
4. Remove the dispense tray cover and pull the augur assembly out of the evaporator. Set the cover and assembly aside.
5. Remove the dispense tray assembly by loosening the screw clamp and pulling the tray off of the evaporator. Discard this assembly.
6. Remove the insulation from the refrigerant lines at the expansion valve, at the inlet side of the evaporator and the suction line, and at the outlet side of the evaporator, exposing the solder joints. If the insulation is dry and undamaged, it can be re-used.
7. Protect the expansion valve from excessive heat by wrapping it with a cold wet rag or a commercial heat protection product. Heat the joint between the valve and the evaporator inlet until it is hot enough to separate, and then remove the expansion valve from the evaporator inlet. Separate the suction line from the evaporator outlet in a similar manner.
8. Heat and remove the refrigerant filter dryer from the liquid line. Do not install the new dryer until after the new evaporator assembly is installed.
9. Use a 7/16" wrench to un-bolt the base of the evaporator from the gear motor. Gently pry the base upward and lift the evaporator off of the gear motor. Dispose of the evaporator per the current warranty procedure.
10. Inspect the gear motor shaft seal for signs of leakage or damage. Replace as required. Lubricate the shaft seal rubber with a food grade lubricant.
11. Place the new evaporator on the gear motor shaft seal. Carefully rotate the evaporator until the inlet and outlet tubes are in the same location as they were with the previous evaporator. Apply anti-seize (Loctite Silver Grade Anti-seize #76764) on the bolt threads, install the lock washer, and bolt the evaporator to the gear motor.
12. Clean and braze the refrigeration connections at the evaporator inlet and outlet using silver brazing solder. Be careful to protect the expansion valve with a cold wet rag or a commercial heat protection product.
13. Install the new ¼" dryer in the liquid line.
14. Pressure test the system for leaks with dry nitrogen.

**IMPORTANT: Do not exceed the nameplate pressure ratings!**

15. Evacuate the system to at least 500 microns.
16. Re-charge the system using a refrigerant scale or a Dial-a-Charge to the exact nameplate specifications.



17. Re-insulate the refrigeration lines.
18. Install the new dispense tray assembly with the new clamp and re-connect the water feed line.
19. Disassemble the auger assembly and install the new extruder head and the new bearings on the assembly. Discard the old extruder head and the bearings. Place the auger assembly into the evaporator and replace the dispense tray cover.
20. Restore the water supply and check for any leaks. Ensure that the evaporator fills to the correct level. Adjust the float mechanism as required. Confirm that the float mechanism shuts off completely once the correct water level is achieved.
21. Restore the power supply and ensure that the incoming voltage is within the nameplate ratings. Confirm that the gear motor amp draw is within its nameplate rating. Refrigerant suction pressure should settle at approximately 28 psig (R404-A).
22. Confirm that the icemaker is operating properly and replace the exterior panels.