

RETROFIT INSTALLATION INSTRUCTIONS

WCC1000 / WCF1100 SERIES GEAR MOTOR CONVERSION KIT (631500319)

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.

 **WARNING:**

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.**

The purpose of this kit is to convert a WCC1000 / WCF1100 to the current gear motor assembly. This requires updating some of the exterior panels to accommodate the new, larger motor.

PARTS LIST:

Sl. No.	Part No.	Description
1	01022	Lock Washer (4)
2	02543	3/8-16 Hex Bolt (4)
3	638004441	Lower Spacer (2)
4	638007301-030	Flat Washer 2 in. OD X 1 in. ID
5	638007972-02	Screw #10 x 3/4 in. (2)
6	638036002-01	Front Panel, SS
7	638036004-01	Top Panel, SS
8	638036042	O-Ring, 3/16 in. x 2-3/4 in. ID
9	638090000-001	Gear Motor 230V/50-60Hz
10	638090051	Shaft Seal, 1 in.
11	638090053	E-Ring, Retaining
12	638090315	Mount, Shaft Seal, 3.5 in. D-Drive
13	638090316	Seat, Shaft Seal, 3.5 in. D-Drive
14	638090349	Motor Mounting Bracket
15	631500319INS	Installation Instructions

GEAR MOTOR REMOVAL

1. Remove the top, front, and side panels in that order. Retain the side panels for re-use.
2. Remove the dispense tray cover and pull the auger assembly out of the evaporator. Set the cover and auger assembly aside for reuse.
3. Disconnect the gear motor power transmission cable from the electrical box.
4. Remove the 4 hex head bolts and washers securing the base of the evaporator to the top of the gear motor transmission. Set the 4 bolts and washers aside for reuse. Gently pry the base upward and lift the evaporator off of the gear motor transmission.
5. Remove the 4 bolts holding the gear motor transmission and bracket to the frame, while supporting the weight of the evaporator. Set the 4 bolts and washers aside for reuse.
6. Remove the gear motor and bracket assembly from the unit.

BRACKET AND SEAL ASSEMBLY

1. Assemble the gear motor to auger seals to match the diagram shown in Figure 1.
2. Carefully install the O-ring onto the shaft seal mount, taking care to not cut or score the surface. Coat the O-ring with NSF food grade O-ring lubricant.
3. Place the shaft seal seat and shaft seal mount over the gear motor output shaft and push down until the shaft seal seat and shaft seal mount rest flush on top of the gear motor transmission housing.

4. Place the rubber coated ceramic seal (**IMPORTANT! Ceramic face MUST BE UP!**) over the output shaft and push down until the seal nests in the recess of the shaft seal mount. Lubricate the rubber on the ceramic seal with rubber lubricant.
5. Place the shaft seal with the carbon face down (spring up) over the output shaft and push it gently downward until the seal rests on the carbon face of the output shaft seal.
6. Place the flat washer over the output shaft and let it rest on the output shaft seal. Push down on the washer, compressing the spring on the output shaft seal. While holding the seals down in place, slide the e-ring into the groove on the output shaft.
7. Install the mounting bracket to match the appearance of the one removed.

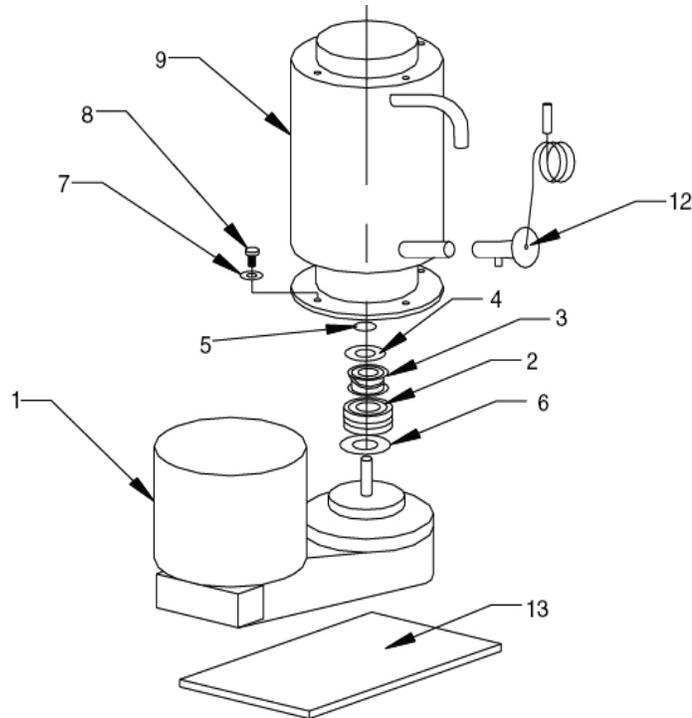


Figure 1. Front end Assembly, 1000 Series

GEAR MOTOR REPLACEMENT

1. Replace the gear motor in the unit, while supporting the weight of the evaporator.
2. Reinstall the 4 bolts holding the gear motor transmission and bracket to the frame.
3. Gently lower the evaporator over the seals and onto the gear motor transmission. Reinstall the 4 hex head bolts securing the base of the evaporator to the top of the gear motor transmission.
4. Make sure the gear motor is secured to the unit and the evaporator is secured to the gear motor.
5. Lower the auger assembly down into the evaporator and make sure the auger engages the gear motor output shaft. Replace the dispense tray cover.
6. Reconnect the gear motor power transmission cable to the electrical box.
7. Reconnect the icemaker to the power and water supplies. Verify all connections are secure.
8. Test the unit for proper operation.
9. Replace existing side covers and then the new top and front covers.