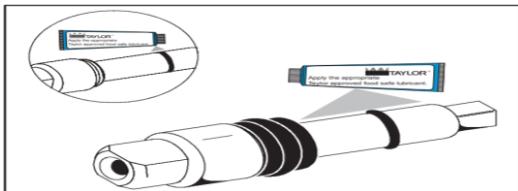


[See Operating Manual for More in Depth Instructions](#)

Opening Procedures

We begin our instructions at the point where we enter the store in the morning and find the parts disassembled and laid out to air dry from the previous night's cleaning.

1. Lubricate both grooves on the drive shaft and slide the O-ring in place.
2. Lubricate the O-ring and shaft portion that comes in contact with the bearing. **Do not** lubricate the square end of the drive shaft.



3. Lubricate the boot seal groove and slide the boot seal over the shaft and groove until it snaps into place.
4. Fill the inside portion of the seal with 1/4 in. more lubricant and evenly lubricate the end of the seal that fits onto the rear shell bearing. Install the drive shaft.
5. Insert the beater drive shaft into the rear shell bearing and engage the square end firmly into the socket of the drive unit. Make sure that the drive shaft fits into the drive coupling without binding.
6. Before installing the beater assembly, check the scraper blades for any signs of wear or damage. If a scraper blade is nicked or worn, replace both blades. **Be cautious when handling as the blades are sharp.**
7. If the blade is in good condition, place the blade on the beater assembly. Make sure the holes in the blade are securely positioned over the beater pin.
8. Holding the beater securely, slide the beater into the freezing cylinder, and align the hole at the rear of the beater with the flats on the end of the drive shaft.
9. Slide the beater the remainder of the way into the freezing cylinder and over the end of the drive shaft. The beater assembly will not protrude beyond the front of the freezing cylinder.
10. Install the white plastic guide bearing on the short end of the torque rotor.
11. Slide the O-ring into the groove on the long end of the torque rotor and lubricate the O-ring. **Do not** lubricate the guide bearing.
12. Insert the torque rotor end with the guide bearing into the pilot hole in the center of the drive shaft. The hole in the torque rotor shaft should be rotated to the 12 o'clock position.
13. Before assembling the freezer door, check the following for any nicks, cracks, or signs of wear: front bearing, door gasket, draw valve, O-rings, and all sides of the door assembly, including the inside of the draw valve bore.
14. Replace any damaged parts.
15. Assemble the freezer door with the ice buster (door spout clearing device). To assemble the door with the ice buster, install the O-rings on the draw valve and lubricate.
16. Insert the draw valve into the door, leaving approximately 1/2 in. of the valve sticking out the top of the door.
17. Rotate the draw valve so the flats on the top of the draw valve are perpendicular to the door face.
18. Insert the ice buster through the door spout and into the slot located just above the lower O-ring.

19. With the ice buster in place, rotate the draw valve to allow installation of the draw handle. This will lock the ice buster in place. Install the draw handle pin and close the draw valve by moving the handle to the left.
20. Place the large rubber gasket into the groove on the back side of the freezer door. Slide the white, plastic front bearing onto the bearing hub, making certain that the flanged end of the bearing is resting against the freezer door. **Do not** lubricate the door gasket or front bearing.
21. Position the torque arm by inserting it through the slot in the torque switch arm and down into the hole in the torque rotor which protrudes from the door. Verify proper installation by moving the torque rotor back and forth to be sure it moves freely and easily.
22. Install the front drip pan. Slide the long drip pan into the hole in the front panel.
23. Install the front drip tray and splash shield beneath the door spout.
24. Lay the air/mix feed tube in the bottom of the mix hopper.

Cleaning and Sanitizing

Prepare an approved 100 PPM sanitizing solution (examples: 2 gal. of Stera-Sheen®). **Use warm water and follow the manufacturer's specifications.**

1. Pour the sanitizing solution into the hopper and allow the solution to flow into the freezing cylinder.
2. While the solution is flowing into the freezing cylinder, brush clean the mix hopper, air/mix feed tube (optional), and mix inlet hole.
3. Place power switch in the ON position.
4. Press the WASH key to allow the solution to agitate for five minutes.
5. Place an empty pail beneath the door spout and move the draw handle to the right. Open the draw valve to remove all of the sanitizing solution. When the sanitizer stops flowing from the door spouts, close the draw valves. Press the WASH key to cancel the wash mode.
6. With sanitized hands, stand the feed tube with air orifice in the corner of the mix hopper. **Do not insert into hopper.**

Priming

Prime the machine as close as possible to the time of first product draw.

1. With a pail beneath the door spout, move the draw handle to the right. Fill fresh mix into the hopper and allow the mix to flow into the freezing cylinder. This forces out any remaining sanitizing solution. When full-strength mix is flowing from the door spout, move the draw handle to the left to close the draw valves.

NOTE: Use only fresh mix when priming the machine. Rerun product can only be used in the hopper.

2. When the mix has stopped bubbling down into the freezing cylinder, install the feed tube and air orifice in the mix inlet hole with the hole side down.
3. Place the power switch in the AUTO position. When the unit cycles off, the product is at serving viscosity (thickness).

[See Operating Manual for More in Depth Instructions](#)

Closing Procedure

To disassemble these units, the following items will be needed:

1. Two cleaning pails
2. Necessary brushes (provided with freezer)
3. Cleaner
4. Single-service towels
5. Sanitized stainless steel rerun can with lid

Draining Product from the Freezing Cylinder

1. Press the AUTO key to cancel the operation. Place the MIX REF in the off position to cancel hopper refrigeration. Do this as far ahead of cleaning time as possible to allow frozen product to soften for easier cleaning.
2. Remove mix hopper cover and feed tube from machine. Take them to the sink for cleaning.
3. If local health codes permit the use of rerun, place a sanitized, NSF-approved stainless-steel rerun container beneath the door spout. Place the power switch in the WASH position and move the draw handle to the right. When all the product stops flowing from the door spout, move the draw handle to the left and press the WASH key to cancel. Place the sanitized lid on the rerun container and place it in the walk-in cooler.

Rinsing

1. Pour 2 gal. (7.6 L) of cool, clean water into the mix hopper. With the brushes provided, scrub the mix hopper and the mix inlet hole.
2. With a pail beneath the door spout, place the power switch in the WASH position and move the draw handle to the right.
3. Drain all the rinse water from the freezing cylinder.
4. When the rinse water stops flowing from the door spout, move the draw handle to the left and press the WASH key to cancel.
5. Repeat this procedure until the rinse water being drawn from the freezing cylinder is clear.

Cleaning

*****See Cleaning and Sanitizing section on the Opening Procedure instructions*****

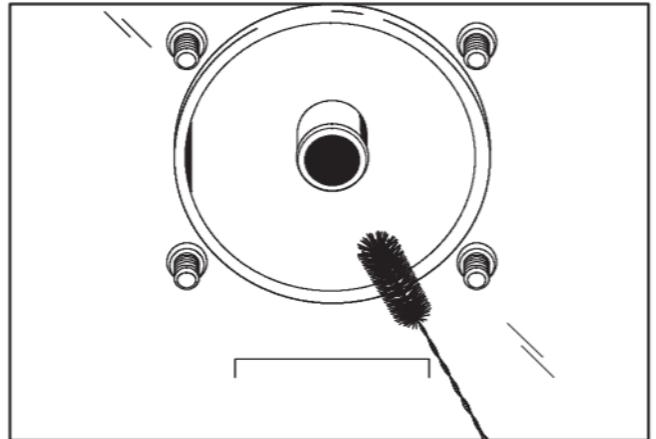
Disassembly

1. Make sure the control switch is in the off position.
2. Remove the handscrews, freezer door, beater assembly, torque rotor, scraper blade, and drive shaft from the freezing cylinder. Take these parts to the sink for cleaning.
3. Remove the front-drip tray and splash shield. Take these parts to the sink for cleaning.
4. Remove the rear drip pan from the front panel.

Brush Cleaning

1. Prepare a sink with a cleaning solution (for example, Stera-Sheen®). Use warm water and following the manufacturer's specifications.
2. Remove the O-ring and seal from the drive shaft and remove the bearing from the torque rotor.
3. Remove the draw valve, ice buster, front bearing, and gasket from the freezer door. Remove all O-rings.
4. Thoroughly brush-clean all disassembled parts in the cleaning solution, making sure all lubricant and mix film is removed. Place all the cleaned parts on a clean, dry surface to air dry.

5. Return to the freezer with a small amount of cleaning solution. Brush-clean the rear shell bearing at the back of the freezing cylinder with the black bristle brush.



6. Wipe clean all exterior surfaces of the freezer.