



*Turbo
Charge*
equipment training

model

8752/8756

Operator Training



**Main
Quit**

Course Content

The purpose of this training program is to inform operators on the importance of product **safety** and **quality**, while also reducing the number of nuisance service calls generated from innocent operator error. After completion of this program, operators should have a good understanding of the machine's parts, controls, and operational procedures.

Please refer to the Operator's Manual for complete instructions on using and maintaining your Taylor freezer.



Parts

Parts Identification

Drive Shaft

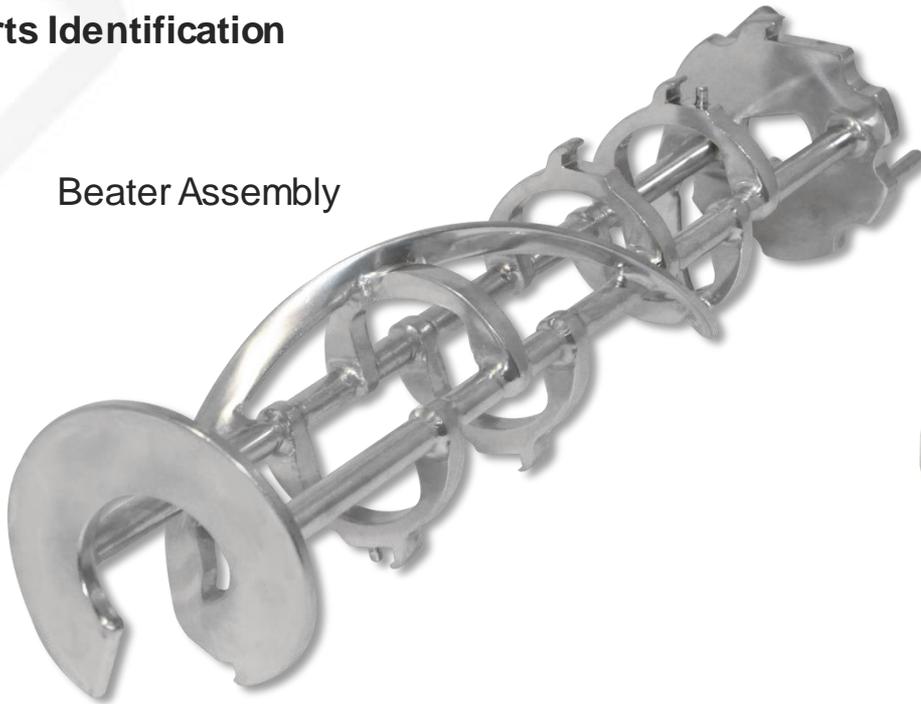


Drive Shaft Seal

Parts

Parts Identification

Beater Assembly



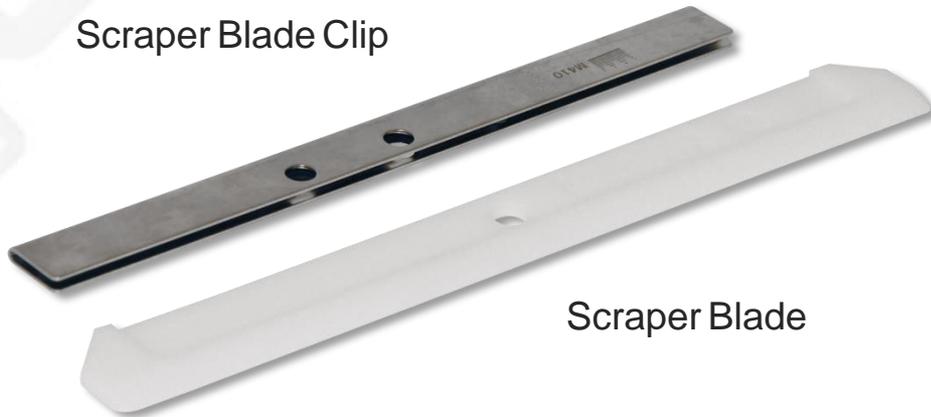
Beater Shoes



Parts

Parts Identification

Scraper Blade Clip



Scraper Blade



Door Gasket



Front Bearing

Parts

Parts Identification

Handscrews (8756)



Freezer Door (8756)



Parts

Parts Identification

Prime Plug



Pivot Pins



Draw Valve



Parts

Parts Identification

Pump Body



Retaining Pin



Pump Collar



Parts

Parts Identification

Piston



Check Ring



Liquid Valve Body



Parts

Parts Identification

Rubber Poppet



Tapered Spring

Mix Inlet Fitting



Pressure Switch Diaphragm



Pressure Switch Cap



Parts

Parts Identification



Pressure Line



Flare Line

Parts

Parts Identification

Suction Line



Mix Probe



Mix Inlet Fitting

Mix Cover Boot



Parts

Parts Identification

Center Mix
Storage Cover



Mix Funnel



Drip Pan



Parts

Parts Identification



Mix Pump
Brush



Double-Ended
Brush



Rear Shell
Bearing Brush



Draw Valve
Brush

Parts

Parts Identification



Brush Set



Pressure
Switch Brush



Long Feed
Tube Brush

Parts

Parts Identification



O-Ring
Removal Tool

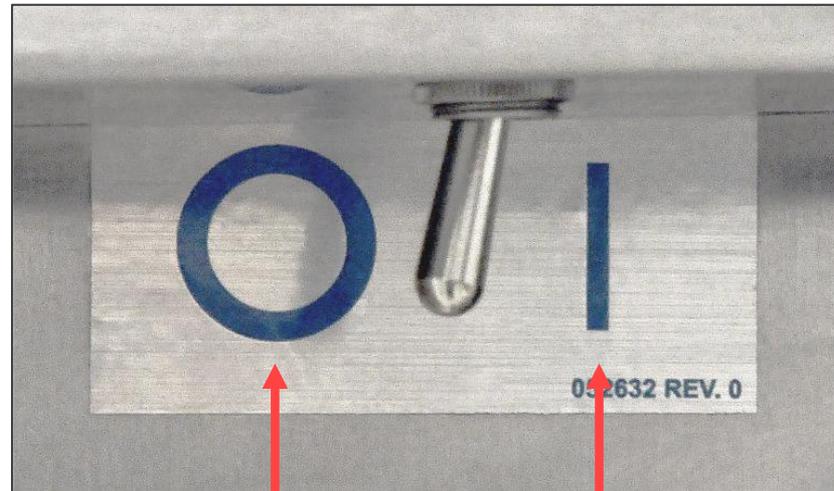


Taylor
Lubricant

Controls

○ | Power Switch

When placed in the ON position, the power switch allows control panel operation.



OFF

ON

Controls

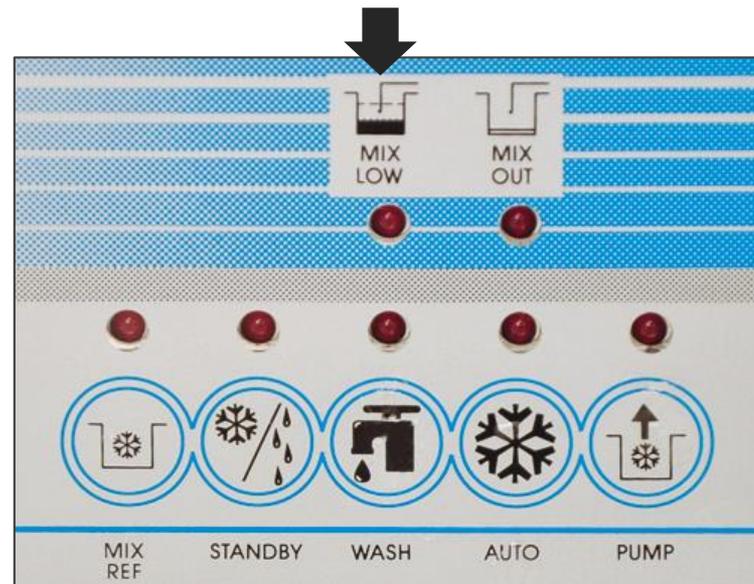


Mix Low Indicator

When the MIX LOW indicator is flashing, the mix tank has a low supply of mix and should be refilled as soon as possible.

Note: Foam in the mix, or on the mix sensors, may create erroneous mix level conditions.

The machine will continue to operate during a MIX LOW condition.



Controls

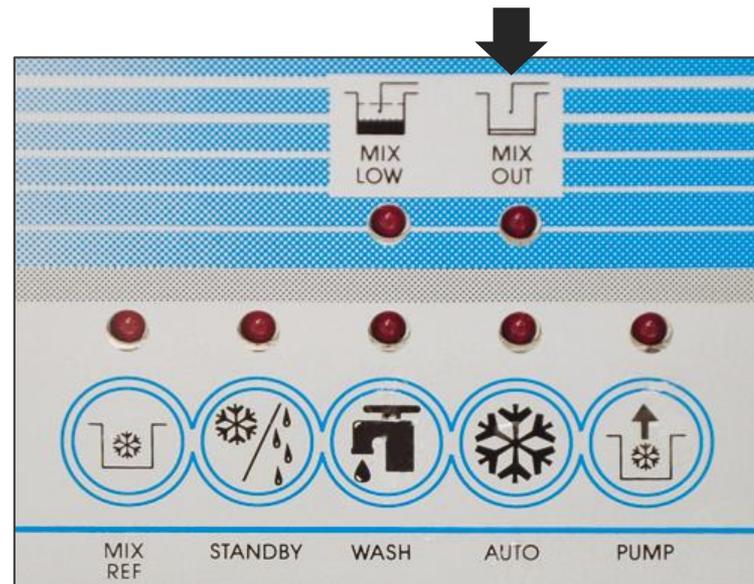


Mix Out Indicator

When the MIX OUT indicator is flashing, the mix tank has an insufficient supply of mix to operate the freezer. The AUTO mode is locked out and the freezer shuts down.

To begin operation, add mix to the tank and press the AUTO key.

Note: Foam in the mix, or on the mix sensors, may create erroneous mix level conditions.



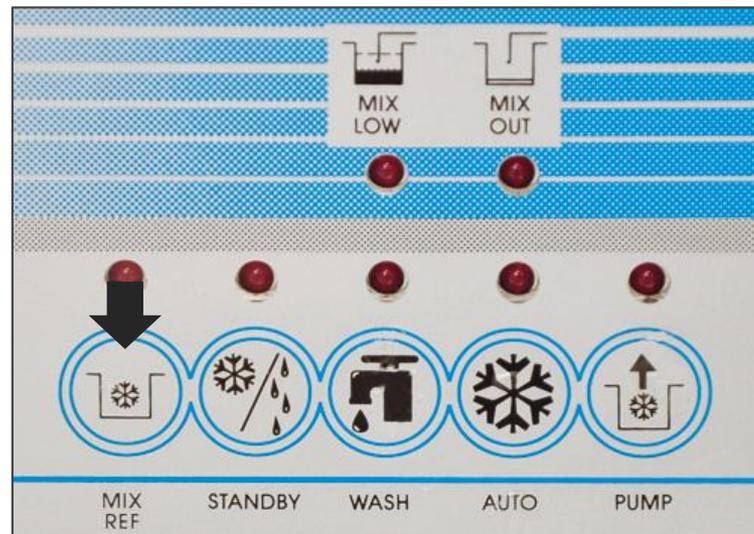
Controls



Mix Refrigeration Key

When selected, the mix cabinet refrigeration system will operate.

The MIX REF function cannot be cancelled unless the AUTO mode is cancelled first.



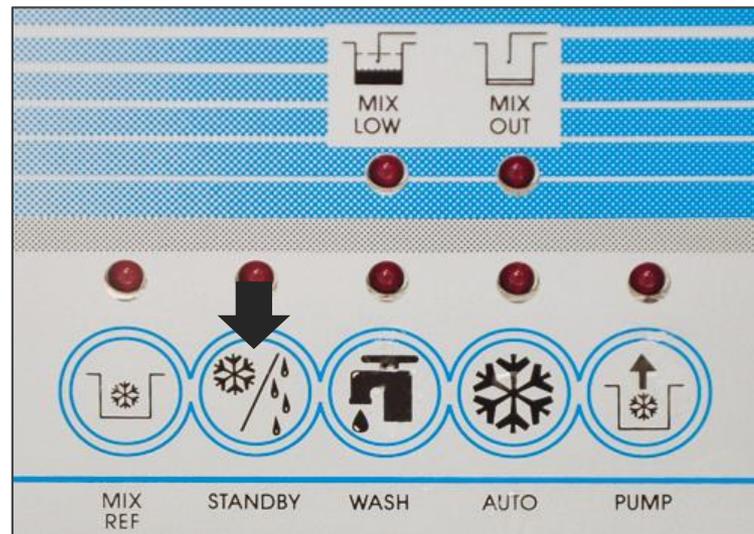
Controls



Standby Key

Pressing the STANDBY key prevents overheating and product breakdown during long “no sale” periods. The product in the freezing cylinder is warmed to approximately 35° to 40°F (1.7° to 4.4°C).

To resume normal operation, press the AUTO key.



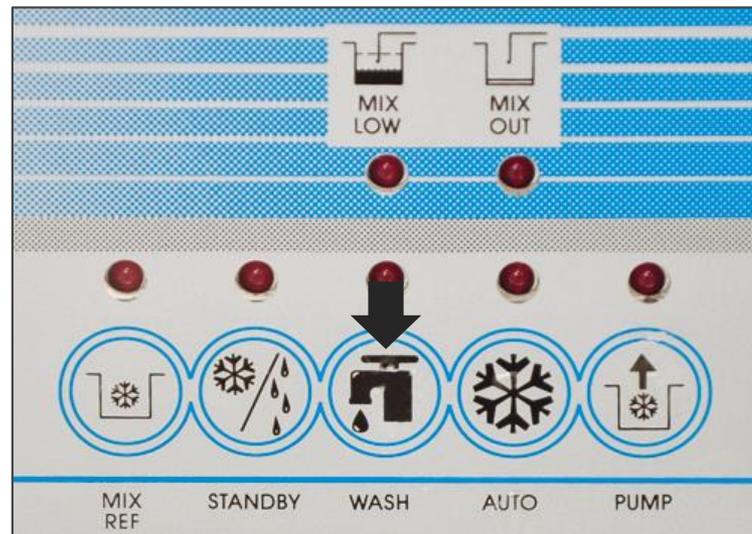
Controls



Wash Key

When selected, the beater motor begins operation. This mode is used during **cleaning/sanitizing** procedures.

The AUTO mode must be cancelled first to activate the WASH mode.



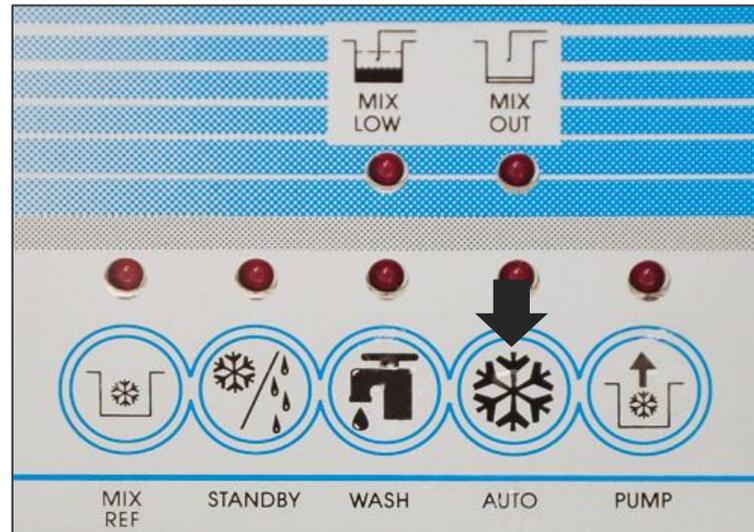
Controls



Auto Key

When selected, the main refrigeration system is activated. This mode is used to **serve product**.

The WASH function is automatically cancelled, and the MIX REF and PUMP functions are locked in.

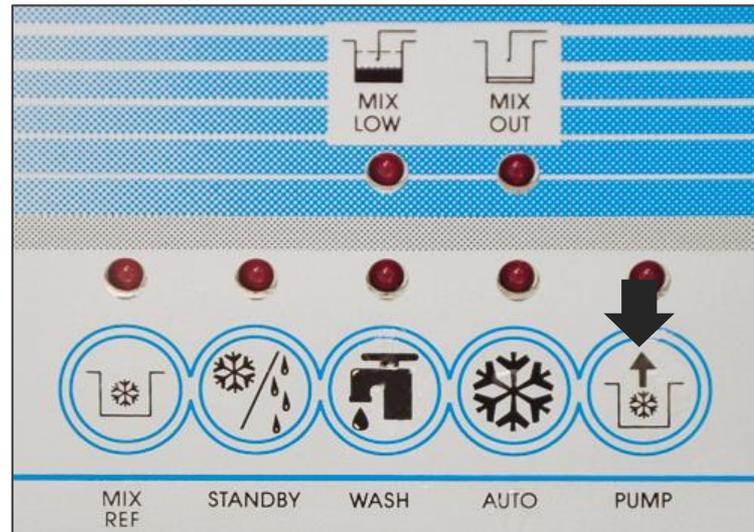


Controls



When selected, the air/mix pump will operate as required.

This mode is used during **cleaning/sanitizing** procedures.



Controls

Reset Button

The reset protects the beater motor from an overload condition.

To properly reset the freezer:

1. Press the AUTO key to cancel the cycle.
2. Turn the power switch to the OFF position.
3. Press the reset button.
4. Turn the power switch to the ON position.
5. Press the WASH key and observe the freezer's performance.
6. Press the AUTO key to resume normal operation.
7. Call for service.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 1

Lubricate the groove on the beater drive shaft and slide the seal into the groove on the shaft. Fill the boot seal (installed ribbed-end out) with lubricant.

Evenly lubricate the flat side of the seal and shaft portion of the drive shaft to prevent metal to metal contact.

DO NOT lubricate the square end of the drive shaft.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 2

Install the drive shaft through the rear shell bearing in the freezing cylinder.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Inspect scraper blades. If any nicks or signs of wear are present, replace both blades. Scraper blades should be replaced every **90 days**.

Check the scraper blade clips to make sure they are **not** bent. Replace any damaged clips.

Scraper blade clips are not included in tune-up kits.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 3

If the blades and clips are in good condition, install the scraper blade clips on the scraper blades.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 4

Place the rear scraper blade over the rear holding pin on the beater.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 5

Slide the beater, with blade, halfway into the freezing cylinder to assist in assembling the front scraper blades and beater shoes.

Install the front scraper blade over the front holding pin.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 6

Install the beater shoes to prevent scoring of the freezing cylinder and damage to the freezer door.

Beater shoes should be replaced every **90 days**.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 7

Slide the beater assembly the rest of the way into the freezing cylinder.

The beater should not protrude beyond the front of the freezing cylinder.

Repeat steps 1 through 7 for the other side of the freezer on the model 8756.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

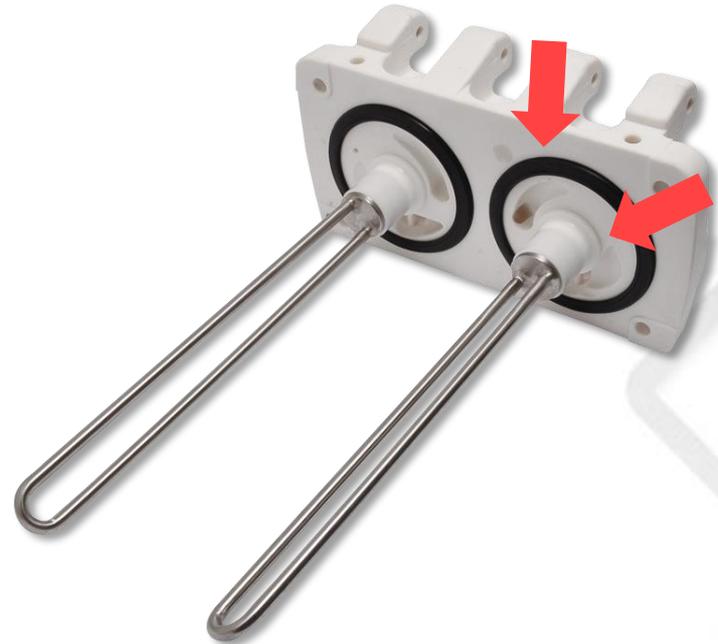
Step 8

Place the large rubber gasket(s) in the groove(s) on the back side of the freezer door.

Slide the white plastic bearing(s) over the baffle rod(s) to prevent damage to the beater assembly and freezer door.

DO NOT lubricate the gasket(s) or front bearing(s).

Gasket(s) and front bearing(s) should be replaced every **90 days**.



Operating Procedures

- Assembly
- Sanitizing
- Priming
- Draining
- Rinsing
- Cleaning
- Disassembly
- Brush Clean

Assembly

Step 9

Slide the o-rings into the grooves on the prime plug(s), and apply an even coat of lubricant to the o-rings and the shaft(s).

Prime plug o-rings should be replaced every **90 days**.



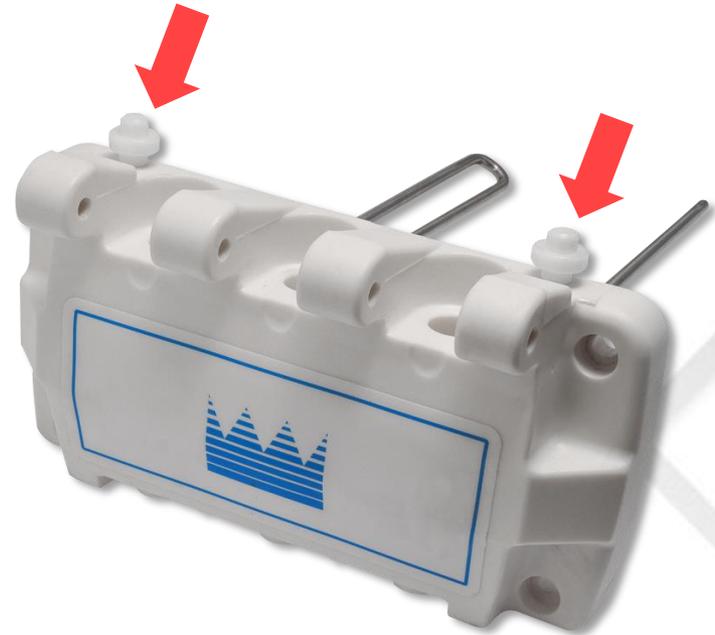
Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 10

Insert the prime plug(s) into the hole(s) at the top of the freezer door and push down.



Operating Procedures

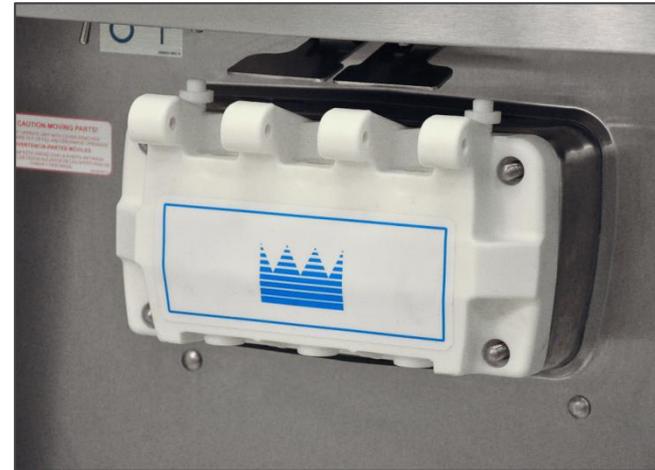
- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 11

Install the freezer door.

Maintain pressure during installation to keep the door gasket(s) from falling off.



Operating Procedures

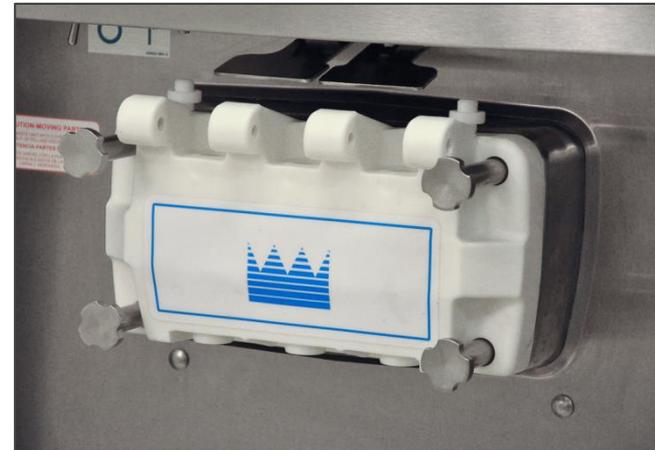
- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 12

Install the handscrews in a criss-cross pattern.

On the 8756, install the **short** handscrews on the **bottom** and the **long** handscrews on the **top**.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 13

Slide the two o-rings into the grooves on the draw valve(s) and lubricate.



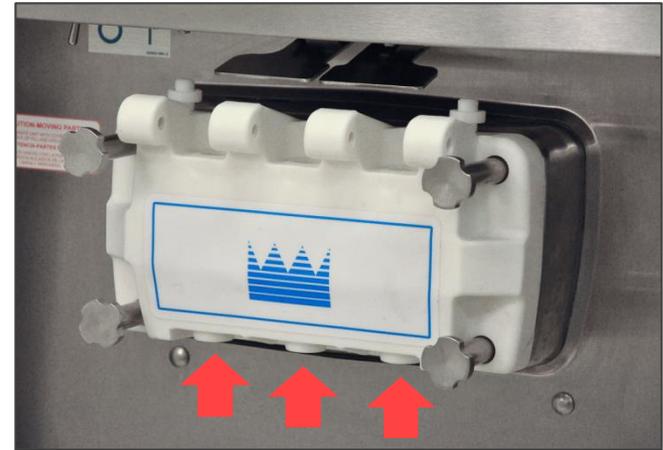
Operating Procedures

- **Assembly**
- **Sanitizing**
- **Priming**
- **Draining**
- **Rinsing**
- **Cleaning**
- **Disassembly**
- **Brush Clean**

Assembly

Step 14

Lubricate the inside of the freezer door spout(s) to prevent damage to draw valve o-rings during assembly.



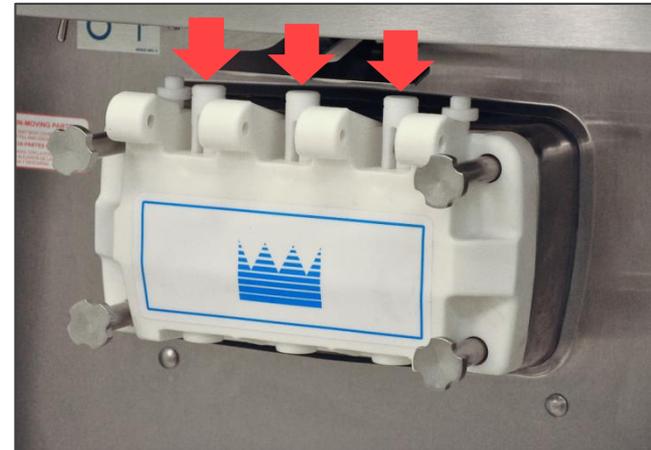
Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 15

Insert the draw valve(s) from the bottom of the door until the slot comes into view.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 16

Slide the o-ring(s) into the groove(s) on the pivot pin(s) and lubricate.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 17

Slide the fork of the draw handle(s) in the slot of the draw valve(s) and secure with pivot pin(s).

On the 8756, slide the long pivot pin through the right and middle draw handles. Secure the left draw handle with the short pivot pin.



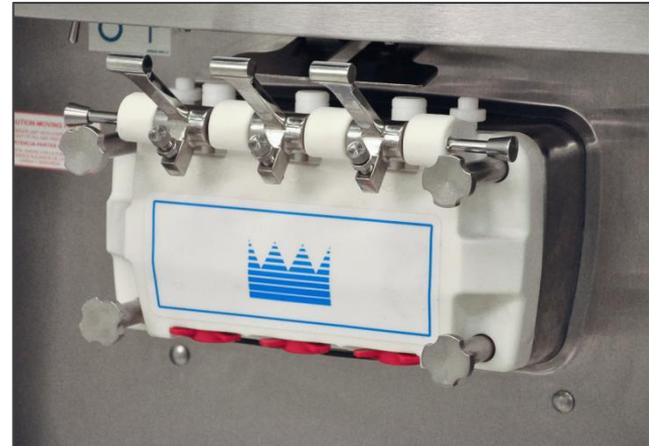
Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 18

Snap the design cap(s) over the bottom of each door spout.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 19

Install the rear drip pan into the hole in the side panel.



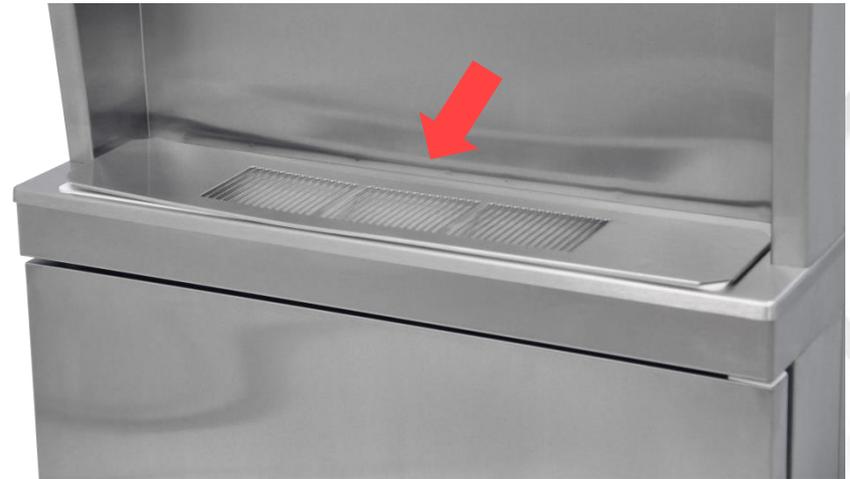
Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Assembly

Step 20

Install the front drip tray and splash shield.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Air/Mix Pump Assembly

Step 1

Inspect check bands and o-rings for any nicks, cuts, or signs of wear. Check bands and o-rings should be replaced every **90 days**.

Slide the o-ring into the groove on the piston.

DO NOT lubricate the o-ring.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Air/Mix Pump Assembly

Step 2

Slide the three check bands (flat side out) and o-rings into the grooves on the liquid valve body.

DO NOT lubricate the check bands or o-rings. Lube on the check bands will cause improper pump operation and loss of overrun.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Air/Mix Pump Assembly

Step 3

Put a small amount of lubricant inside the piston and insert the liquid valve body into the piston.



Operating Procedures

- Assembly
- Sanitizing
- Priming
- Draining
- Rinsing
- Cleaning
- Disassembly
- Brush Clean

Air/Mix Pump Assembly

Step 4

Lightly lubricate the inside of the pump body to prevent damage to the piston o-ring during assembly.

Too much lubricant will affect check band operation.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Air/Mix Pump Assembly

Step 5

Insert the piston and liquid valve body into the pump cylinder and push upward.

Align the steel button at the base of the liquid valve body with the cut-out groove at the bottom of the pump cylinder.



Operating Procedures

- Assembly
- Sanitizing
- Priming
- Draining
- Rinsing
- Cleaning
- Disassembly
- Brush Clean

Air/Mix Pump Assembly

Step 6

Slide the o-ring into the groove on the mix inlet fitting. Lubricate the o-ring to prevent air from being sucked into the mix.

O-rings must be replaced every **90 days**.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Air/Mix Pump Assembly

Step 7

Attach the spring and poppet to the end of the mix inlet fitting.

The spring must be securely fastened and not allowed to float freely.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Air/Mix Pump Assembly

Step 8

Insert the mix inlet fitting into the hole in the base of the liquid valve body and secure with retaining pin.



Operating Procedures

- Assembly
- Sanitizing
- Priming
- Draining
- Rinsing
- Cleaning
- Disassembly
- Brush Clean

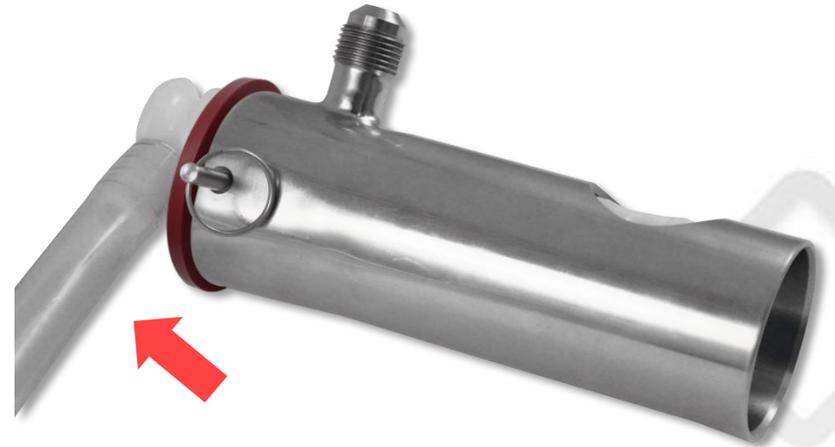
Air/Mix Pump Assembly

Step 9

Inspect the suction line for cracks or holes.

Attach the suction line to the barbed end of the mix inlet fitting, and allow the weighted end to hang freely.

Be sure the suction line fits **tightly** onto the mix inlet fitting.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

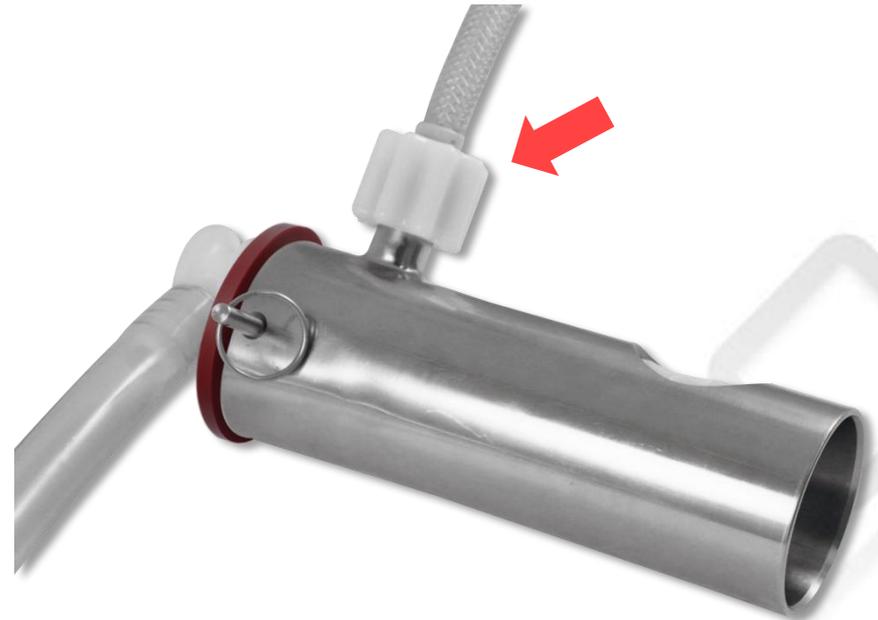
Air/Mix Pump Assembly

Step 10

Attach one end of the flare line to the threaded fitting on the lower side of the pump cylinder.

Lubricate the hose on the flare line fitting to avoid twisting when tightening.

Allow the other end of the flare line to hang freely.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Air/Mix Pump Assembly

Step 11

Place the pump collar over the pump cylinder.

Align the drive hole in the piston to the ball crank of the motor reducer, while aligning the locating pin on the face plate.

Slide the pump collar upward into the grooves on the side of the face plate, and secure the pump with the retaining pin.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Air/Mix Pump Assembly

Step 12

Lubricate both sides of the pressure switch diaphragm.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Air/Mix Pump Assembly

Step 13

Place the diaphragm onto the pressure switch.

The Taylor lube will hold the diaphragm onto the pressure switch and provide a liquid seal.

Do **NOT** install the diaphragm into the pressure switch cap.



Operating Procedures

- **Assembly**
- Sanitizing**
- Priming**
- Draining**
- Rinsing**
- Cleaning**
- Disassembly**
- Brush Clean**

Air/Mix Pump Assembly

Step 14

Screw the cap securely onto the housing.

Repeat the air/mix pump assembly procedures for the other side of the freezer on the model 8756.



Operating Procedures

Assembly

• Sanitizing

Priming

Draining

Rinsing

Cleaning

Disassembly

Brush Clean

Sanitizing

Step 1

Prepare a pail of sanitizing solution and place it inside the mix cabinet.



Operating Procedures

Assembly

• Sanitizing

Priming

Draining

Rinsing

Cleaning

Disassembly

Brush Clean

Sanitizing

Step 2

Brush clean the mix inlet tube with the long brush and sanitizing solution.



Operating Procedures

Assembly

• Sanitizing

Priming

Draining

Rinsing

Cleaning

Disassembly

Brush Clean

Sanitizing

Step 3

Connect the free end of the flare line to the threaded fitting on the mix inlet tube.

Lubricate the hose on the flare line fitting to avoid twisting when tightening.



Operating Procedures

Assembly

• Sanitizing

Priming

Draining

Rinsing

Cleaning

Disassembly

Brush Clean

Sanitizing

Step 4

Attach the quick disconnect fitting of the pressure line to the other fitting on the mix inlet tube. Allow the other end to hang free.

Lightly pull on the pressure line to make sure it is properly installed.



Operating Procedures

Assembly

• Sanitizing

Priming

Draining

Rinsing

Cleaning

Disassembly

Brush Clean

Sanitizing

Step 5

Insert the free end of the suction line and the pressure line into the pail of sanitizing solution.

Be sure the suction tube counterweight is tight and installed properly.



Operating Procedures

Assembly

• Sanitizing

Priming

Draining

Rinsing

Cleaning

Disassembly

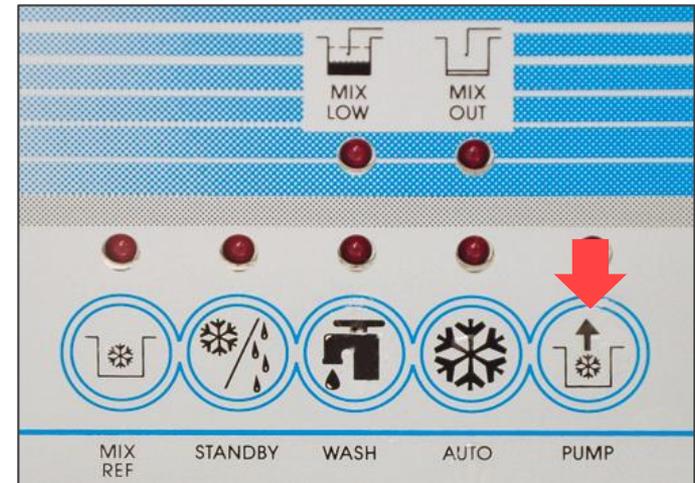
Brush Clean

Sanitizing

Step 6

Place the power switch in the ON position, then press the PUMP key. This will sanitize the air/mix pump and pressure line.

After **15 seconds**, press the PUMP key to stop pump operation.



Operating Procedures

Assembly

• Sanitizing

Priming

Draining

Rinsing

Cleaning

Disassembly

Brush Clean

Sanitizing

Step 7

Connect the free end of the pressure line to the pressure switch.



Operating Procedures

Assembly

• Sanitizing

Priming

Draining

Rinsing

Cleaning

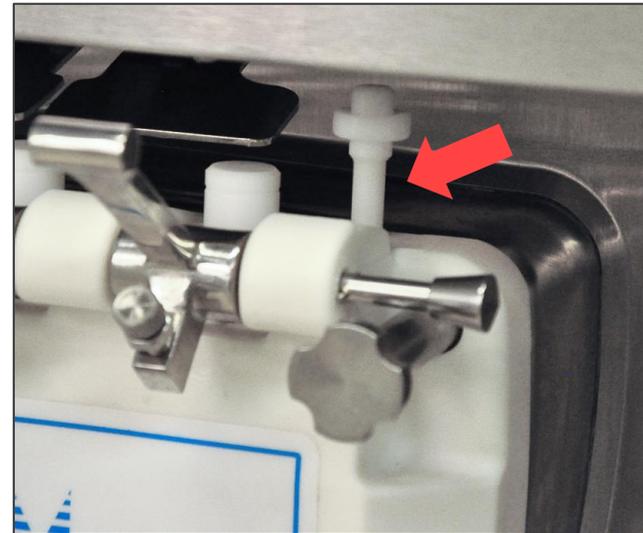
Disassembly

Brush Clean

Sanitizing

Step 8

Place an empty pail beneath the door spout, then raise the prime plug.



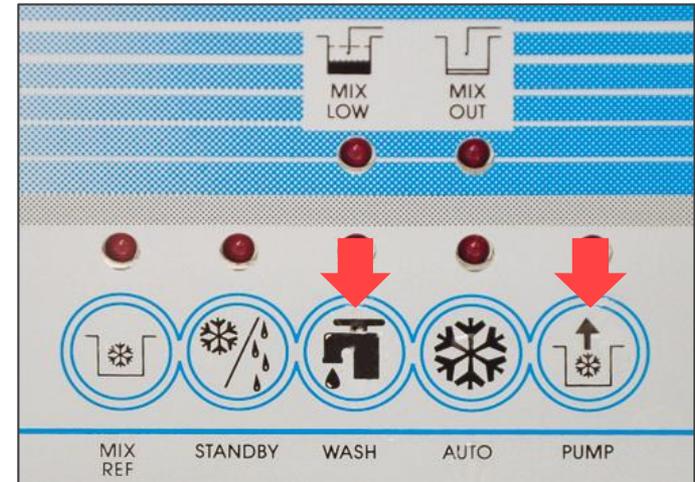
Operating Procedures

[Assembly](#)[Sanitizing](#)[Priming](#)[Draining](#)[Rinsing](#)[Cleaning](#)[Disassembly](#)[Brush Clean](#)

Sanitizing

Step 9

Press the WASH and PUMP keys to sanitize the inside of the pump and freezing cylinder.



Operating Procedures

Assembly

• Sanitizing

Priming

Draining

Rinsing

Cleaning

Disassembly

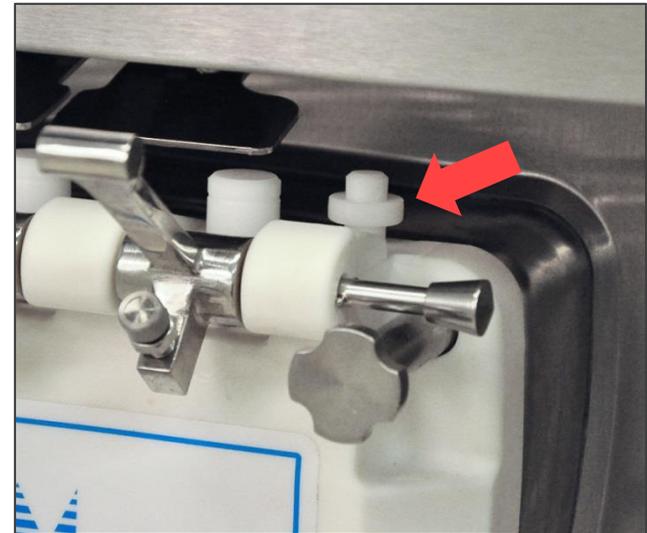
Brush Clean

Sanitizing

Step 10

When a steady stream of sanitizing solution is flowing from the prime plug hole in the bottom of the freezer door, press the PUMP key to deactivate pump operation.

Push down the prime plug and allow beater to agitate for at least **5 minutes** for complete sanitation.



Operating Procedures

Assembly

• Sanitizing

Priming

Draining

Rinsing

Cleaning

Disassembly

Brush Clean

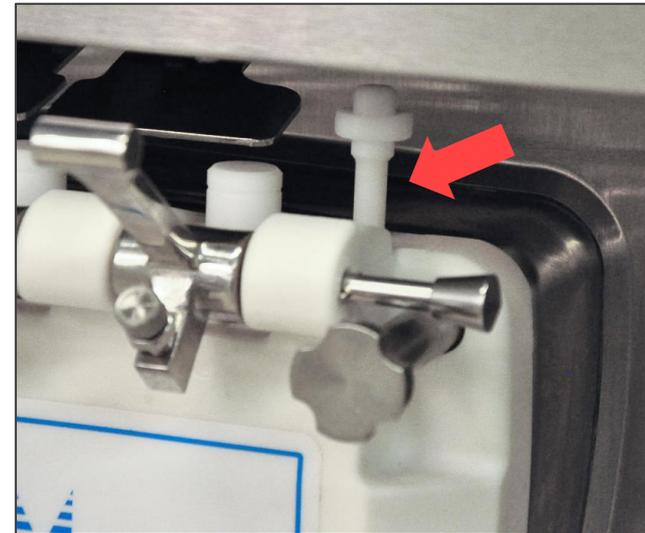
Sanitizing

Step 11

Open the draw valve to release the pressure, then press the PUMP key to start pump operation.

Releasing pressure allows sanitizer to flow into the freezing cylinder.

Close the draw valve and open the prime plug.



Operating Procedures

Assembly

• Sanitizing

Priming

Draining

Rinsing

Cleaning

Disassembly

Brush Clean

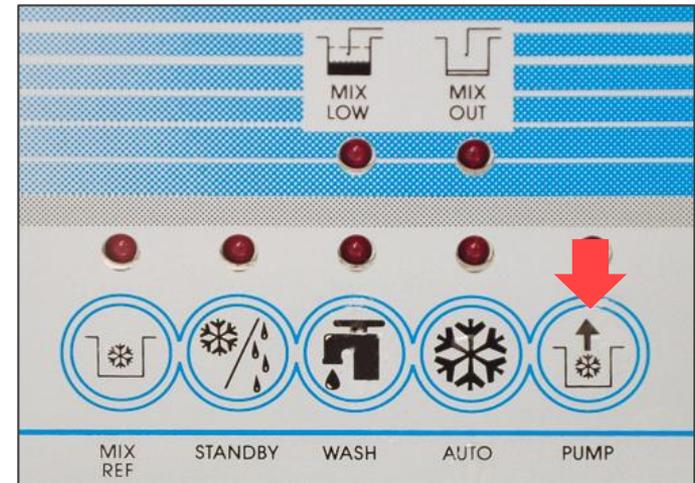
Sanitizing

Step 12

When a steady stream of water flows through the prime plug hole, press the PUMP key to stop operation.

After one minute, open the draw valve again to release the pressure.

Follow steps 8-12 until the bucket of sanitizer is empty.



Operating Procedures

Assembly

• Sanitizing

Priming

Draining

Rinsing

Cleaning

Disassembly

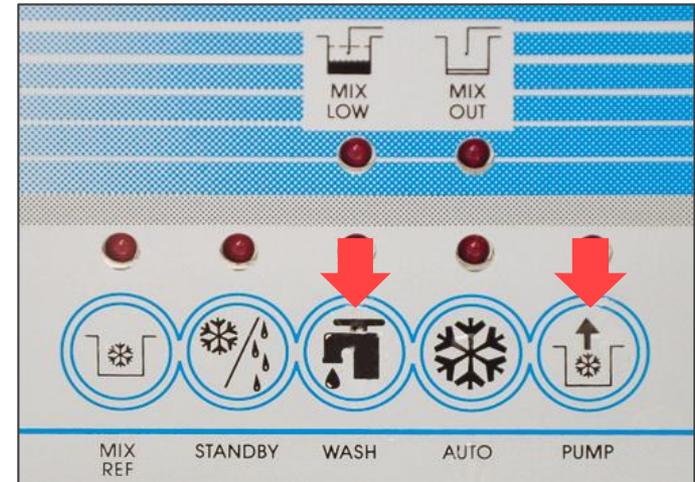
Brush Clean

Sanitizing

Step 13

Press the WASH and PUMP keys to stop operation. The draw valve should be left open to allow the remaining sanitizer to flow out.

Be sure to stop PUMP operation, or pressure will continue to build in the freezing cylinder.



Operating Procedures

Assembly

• Sanitizing

Priming

Draining

Rinsing

Cleaning

Disassembly

Brush Clean

Sanitizing

Step 14

Disconnect the pressure line from the pressure switch, drain the sanitizer, then reconnect.

Repeat sanitizing procedures for the second freezing cylinder on the model 8756.

Prepare **fresh** mix for priming the machine.



Operating Procedures

Assembly

Sanitizing

• Priming

Draining

Rinsing

Cleaning

Disassembly

Brush Clean

Priming

Step 1

Sanitize the mix tank, mix tank cover, mix storage cover, and funnel.

Place the mix tank and the cover in the mix cabinet.

Failure to install the mix covers will cause foaming and ice formation of the cabinet evaporator, and mix contamination.



Operating Procedures

Assembly

Sanitizing

• Priming

Draining

Rinsing

Cleaning

Disassembly

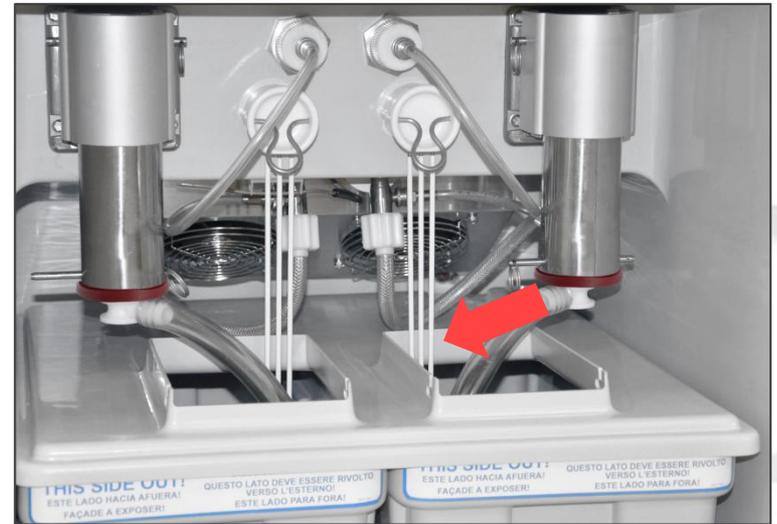
Brush Clean

Priming

Step 2

Insert the prongs of the mix probe inside the mix tank and connect the mix probe in the socket receptacle.

Place the free end of the suction line into the mix tank.



Operating Procedures

Assembly

Sanitizing

• Priming

Draining

Rinsing

Cleaning

Disassembly

Brush Clean

Priming

Step 3

Install the funnel. Fill the mix tank with **fresh** mix.



Operating Procedures

Assembly

Sanitizing

• Priming

Draining

Rinsing

Cleaning

Disassembly

Brush Clean

Priming

Step 4

Remove the funnel and install the mix storage cover and mix cover boot. Close the mix cabinet door.

Note: Keep the mix cabinet door **closed** (unless filling the mix tank or during cleaning/sanitizing procedures) to maintain the cabinet's temperature. Leaving the door open will impair the mix cabinet refrigeration.

Be sure the mix cabinet door gasket is in good condition.



Operating Procedures

Assembly

Sanitizing

• Priming

Draining

Rinsing

Cleaning

Disassembly

Brush Clean

Priming

Step 5

Place an empty pail beneath the door spout and open the draw valve.

With the prime plug raised, press the PUMP key. Mix will be pumped through the freezing cylinder and force out any remaining sanitizer through the open draw valves.

When full strength mix is flowing from the door spout, close the draw valve.



Operating Procedures

Assembly

Sanitizing

• Priming

Draining

Rinsing

Cleaning

Disassembly

Brush Clean

Priming

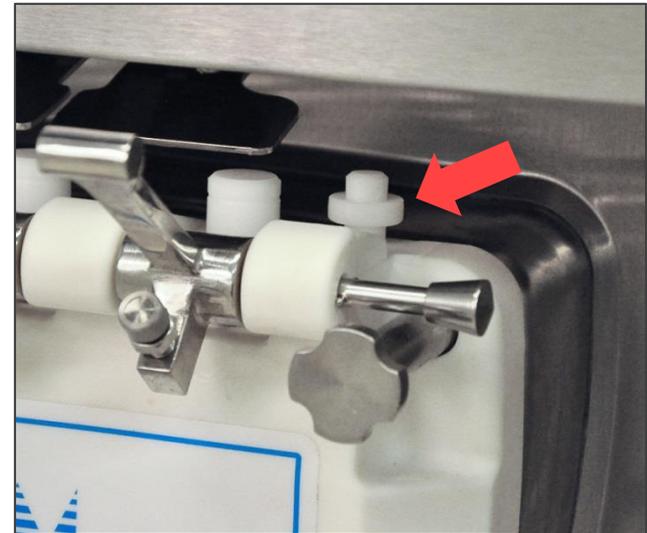
Step 6

When a steady stream of mix is flowing from the prime plug hole, press the PUMP key to stop operation.

Once mix stops flowing from the prime plug hole, push down the prime plug. This ensures proper air to mix ratio for the initial freeze-down.

Rinse the prime plug hole area with water.

Remove the pail and discard the mix and sanitizer.



Operating Procedures

Assembly

Sanitizing

• Priming

Draining

Rinsing

Cleaning

Disassembly

Brush Clean

Priming

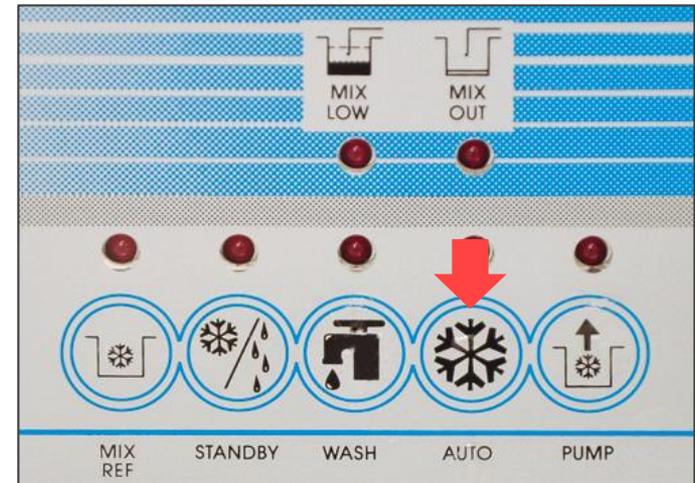
Step 7

Press the AUTO key.

Repeat priming procedures for the other side of the freezer on the model 8756.

When the unit cycles off (approximately 7 minutes), the product is ready to be served.

The recommended serving temperature for soft serve ice cream is **16° to 18°F (-7.8° to -8.8°C)**.



Operating Procedures

Assembly

Sanitizing

Priming

• Draining

Rinsing

Cleaning

Disassembly

Brush Clean

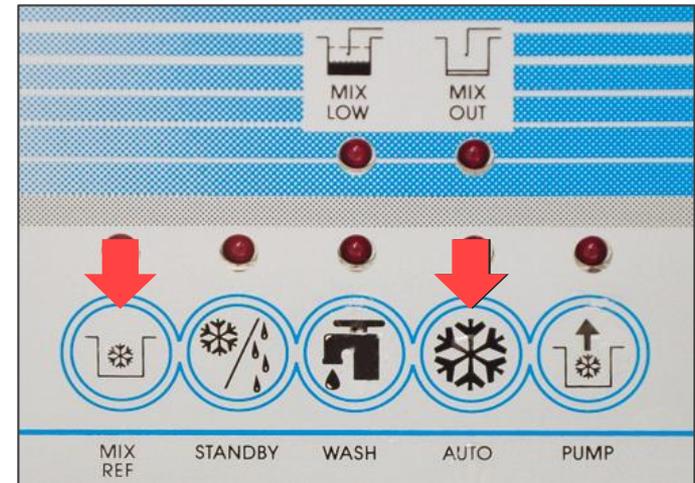
Draining Product

Step 1

Press the AUTO and MIX REF keys to cancel freezer operation.

Open the mix cabinet door and remove the mix storage cover(s), mix tank cover(s), mix tank(s), mix probe(s), and mix cover boot(s).

Place the suction line in an empty pail in the mix cabinet.



Operating Procedures

Assembly

Sanitizing

Priming

• Draining

Rinsing

Cleaning

Disassembly

Brush Clean

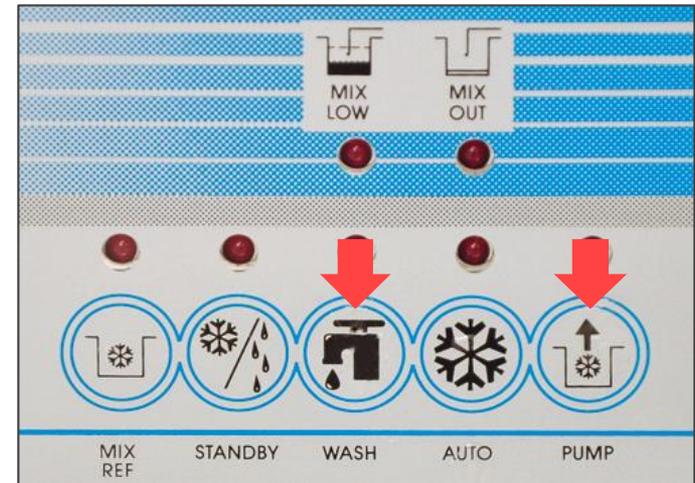
Draining Product

Step 2

Place an empty pail beneath the door spout.

Press the WASH and PUMP keys, and draw the product from the freezing cylinder. When the freezing cylinder becomes empty, press the WASH and PUMP keys to stop operation.

Close the draw valve. Discard the drained mix.



Operating Procedures

Assembly

Sanitizing

Priming

● Draining

Rinsing

Cleaning

Disassembly

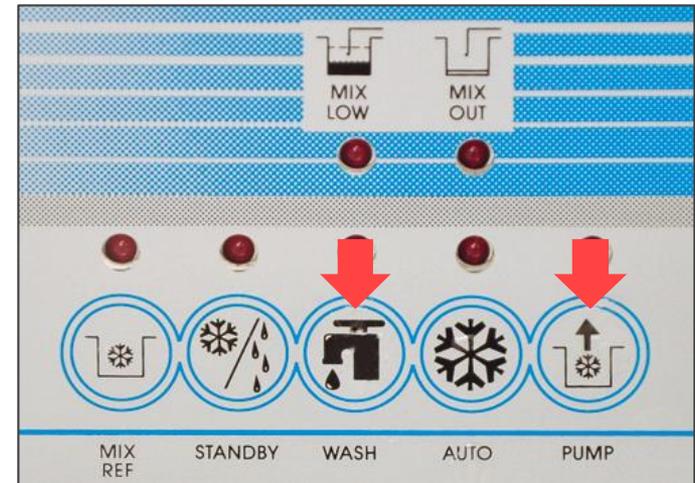
Brush Clean

Draining Product

Step 3

If local health codes permit the use of rerun, place an approved, sanitized container beneath the door spout and follow draining instructions. Place the covered container in the walk-in cooler.

Repeat draining procedures for the second freezing cylinder on the model 8756.



Operating Procedures

Assembly

Sanitizing

Priming

Draining

• Rinsing

Cleaning

Disassembly

Brush Clean

Rinsing

Step 1

Fill the empty pail in the mix cabinet with 2 gallons (7.6 liters) of **cool**, clean water.

Place the free end of the suction line in the water.

Disconnect the pressure line from the pressure switch and place it in the water.



Operating Procedures

Assembly

Sanitizing

Priming

Draining

• Rinsing

Cleaning

Disassembly

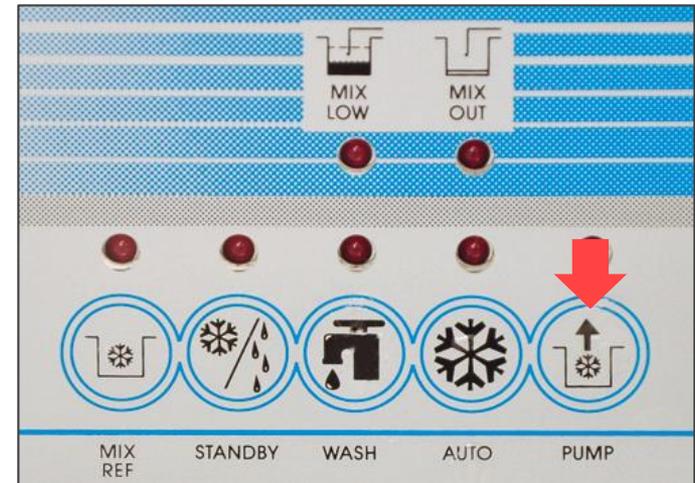
Brush Clean

Rinsing

Step 2

Press the PUMP key. Water will be pumped through the air/mix pump and out through the pressure line.

After **15 seconds**, press the PUMP key to stop pump operation.



Operating Procedures

[Assembly](#)[Sanitizing](#)[Priming](#)[Draining](#)[• Rinsing](#)[Cleaning](#)[Disassembly](#)[Brush Clean](#)

Rinsing

Step 3

Drain and connect the free end of the pressure line to the pressure switch.



Operating Procedures

Assembly

Sanitizing

Priming

Draining

• Rinsing

Cleaning

Disassembly

Brush Clean

Rinsing

Step 3

Place an empty pail beneath the door spout. Raise the prime plug and press the WASH and PUMP keys.

When a steady stream of rinse water is flowing from the prime plug hole, open the draw valve and drain all of the rinse water.

Once rinse water stops flowing from the door spout, close the draw valve and press the WASH and PUMP keys to stop operation.



Operating Procedures

Assembly

Sanitizing

Priming

Draining

• Rinsing

Cleaning

Disassembly

Brush Clean

Rinsing

Step 4

Disconnect the pressure line from the pressure switch. Drain the water, and then reconnect.

Repeat rinsing procedures using clean, warm water, until the discharged water is clear.

Repeat rinsing procedures for the second freezing cylinder on the model 8756.



Operating Procedures

Assembly

Sanitizing

Priming

Draining

Rinsing

• Cleaning

Disassembly

Brush Clean

Cleaning

Step 1

Prepare a pail of cleaning solution, and place it inside the mix cabinet. Place the suction line in the water.

Disconnect the pressure line from the pressure switch and place it in the cleaning solution.



Operating Procedures

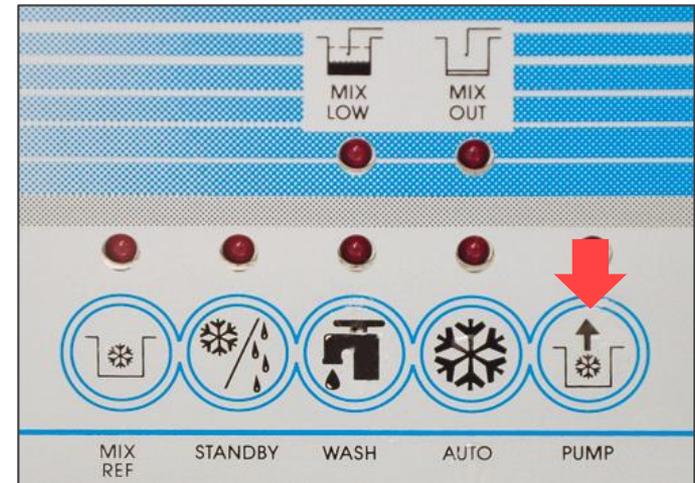
[Assembly](#)[Sanitizing](#)[Priming](#)[Draining](#)[Rinsing](#)[● Cleaning](#)[Disassembly](#)[Brush Clean](#)

Cleaning

Step 2

Press the PUMP key. Cleaning solution will be pumped through the air/mix pump and out through the pressure line.

After **15 seconds**, press the PUMP key to stop operation.



Operating Procedures

[Assembly](#)[Sanitizing](#)[Priming](#)[Draining](#)[Rinsing](#)[● Cleaning](#)[Disassembly](#)[Brush Clean](#)

Cleaning

Step 3

Drain and connect the free end of the pressure line to the pressure switch.



Operating Procedures

Assembly

Sanitizing

Priming

Draining

Rinsing

• Cleaning

Disassembly

Brush Clean

Cleaning

Step 4

Place an empty pail beneath the door spout, raise the prime plug, and press the WASH and PUMP keys.

When a steady stream of solution is flowing from the prime plug hole, pull down the draw handle and draw off the remaining solution.



Operating Procedures

Assembly

Sanitizing

Priming

Draining

Rinsing

• Cleaning

Disassembly

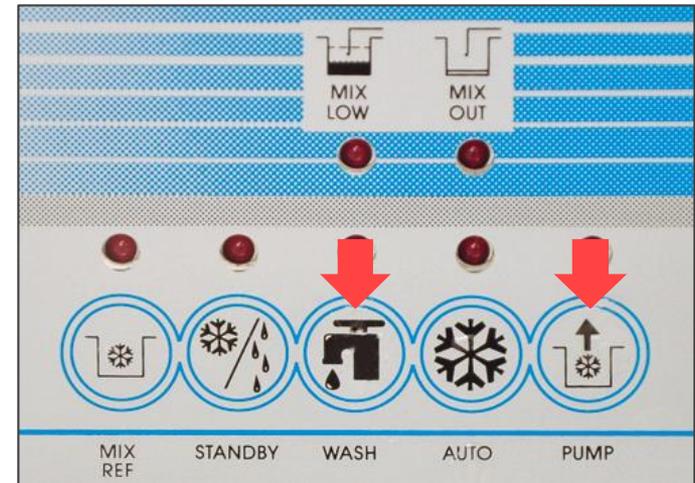
Brush Clean

Cleaning

Step 5

Once solution stops flowing from the door spout, close the draw valve and press the WASH and PUMP keys to stop operation.

Repeat cleaning procedures for the other side of the freezer on the model 8756.



Operating Procedures

[Assembly](#)[Sanitizing](#)[Priming](#)[Draining](#)[Rinsing](#)[● Cleaning](#)[Disassembly](#)[Brush Clean](#)

Cleaning

Step 6

Place the power switch in the **OFF** position before disassembling the machine.



Operating Procedures

[Assembly](#)[Sanitizing](#)[Priming](#)[Draining](#)[Rinsing](#)[Cleaning](#)[• Disassembly](#)[Brush Clean](#)

Disassembly

Step 1

Always **open draw valves** to relieve pressure before disassembly.

Remove the handscrews, freezer door, beater(s), shoes, scraper blades, and drive shaft(s). Take these parts to the sink for cleaning.

Remove the air/mix pump. Unscrew the flare line and disengage the pressure line. Pull out the retaining pin and slide the pump collar down.

Take the entire air/mix pump assembly to the sink for further disassembly and brush cleaning.



Operating Procedures

[Assembly](#)[Sanitizing](#)[Priming](#)[Draining](#)[Rinsing](#)[Cleaning](#)[• Disassembly](#)[Brush Clean](#)

Disassembly

Step 2

Remove the pressure switch cap from the mix cabinet.

Remove the diaphragm from the cap **or** pressure switch – the diaphragm may or may not be in the pressure switch cap.

Repeat disassembly procedures for the other side of the freezer on the model 8756.



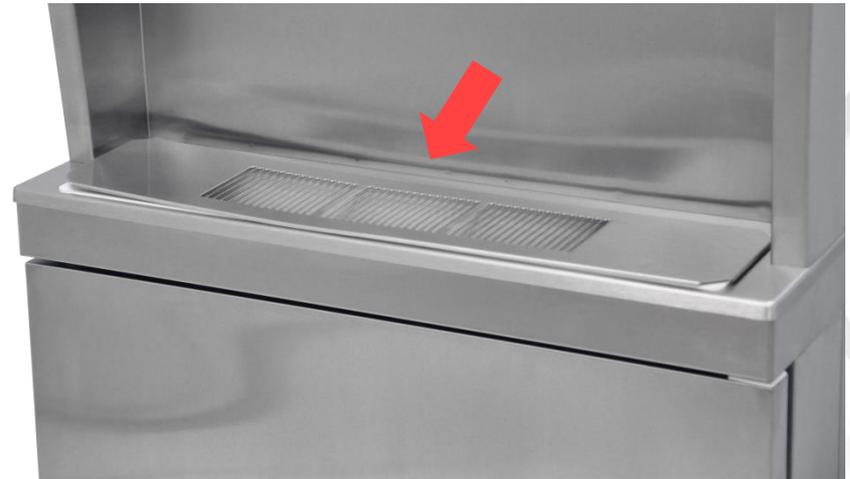
Operating Procedures

[Assembly](#)[Sanitizing](#)[Priming](#)[Draining](#)[Rinsing](#)[Cleaning](#)[● Disassembly](#)[Brush Clean](#)

Disassembly

Step 3

Remove the front drip tray and splash shield.



Operating Procedures

[Assembly](#)[Sanitizing](#)[Priming](#)[Draining](#)[Rinsing](#)[Cleaning](#)[Disassembly](#)[• Brush Clean](#)

Brush Cleaning

Step 1

Prepare a sink with cleaning solution.

Remove the seal(s) from the drive shaft(s).



Operating Procedures

[Assembly](#)[Sanitizing](#)[Priming](#)[Draining](#)[Rinsing](#)[Cleaning](#)[Disassembly](#)[● Brush Clean](#)

Brush Cleaning

Step 2

Remove the scraper blade clips from the scraper blades.



Operating Procedures

Assembly

Sanitizing

Priming

Draining

Rinsing

Cleaning

Disassembly

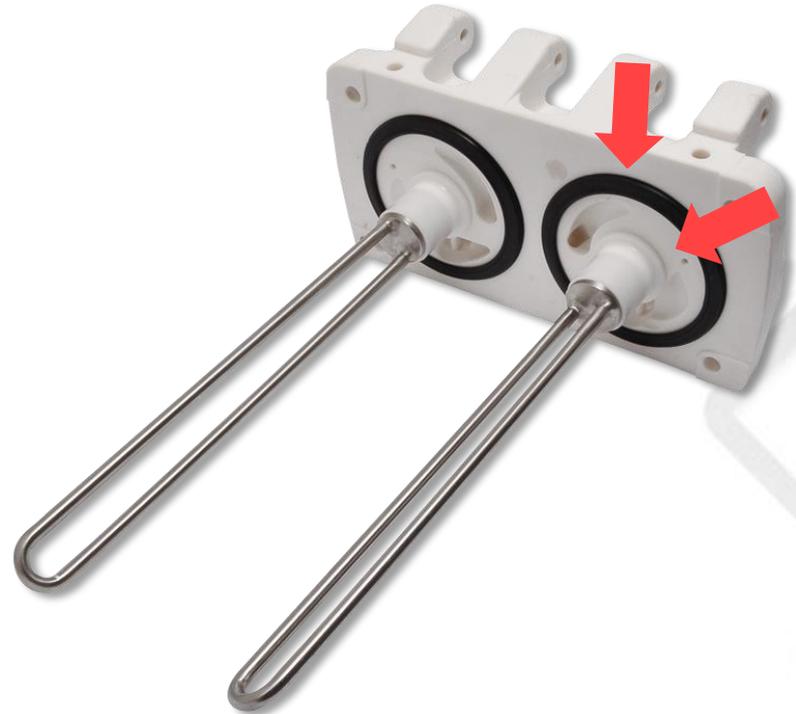
• **Brush Clean**

Brush Cleaning

Step 3

From the freezer door, remove the gasket(s), front bearing(s), pivot pin(s), draw handle(s), draw valve(s), prime plug(s), and design cap(s).

Remove all o-rings.



Operating Procedures

Assembly

Sanitizing

Priming

Draining

Rinsing

Cleaning

Disassembly

• **Brush Clean**

Brush Cleaning

Step 4

Remove the flare line(s), suction line(s), retaining pin(s), mix inlet fitting(s), and liquid valve body(ies) from the pump cylinder(s).

Remove the piston(s) from the pump cylinder(s).

Remove all o-rings and check bands using the o-ring removal tool to prevent damage to parts.



Operating Procedures

[Assembly](#)[Sanitizing](#)[Priming](#)[Draining](#)[Rinsing](#)[Cleaning](#)[Disassembly](#)[● Brush Clean](#)

Brush Cleaning

Step 5

Using the black bristle brush, clean the rear shell bearing(s) at the back of the freezing cylinder(s) with a small amount of cleaning solution.



Operating Procedures

[Assembly](#)[Sanitizing](#)[Priming](#)[Draining](#)[Rinsing](#)[Cleaning](#)[Disassembly](#)[● Brush Clean](#)

Brush Cleaning

Step 6

Using the long, flexible brush and cleaning solution, clean the mix inlet tube(s) in the mix cabinet.

Thoroughly clean the tube(s) all the way up to the freezing cylinder.

This area needs special attention because bacteria and milkstone can build up here.

Note: Mix inlet tubes and suction lines must be brush cleaned **twice daily** (opening/closing).



Operating Procedures

[Assembly](#)[Sanitizing](#)[Priming](#)[Draining](#)[Rinsing](#)[Cleaning](#)[Disassembly](#)[• Brush Clean](#)

Brush Cleaning

Step 7

Remove the rear drip pan from the side panel and take it to the sink for cleaning.

Inspect the drip pan for leaks daily. If mix is present, be sure assembly and lubrication procedures are being followed correctly.



Operating Procedures

Assembly

Sanitizing

Priming

Draining

Rinsing

Cleaning

Disassembly

• **Brush Clean**

Brush Cleaning

Step 8

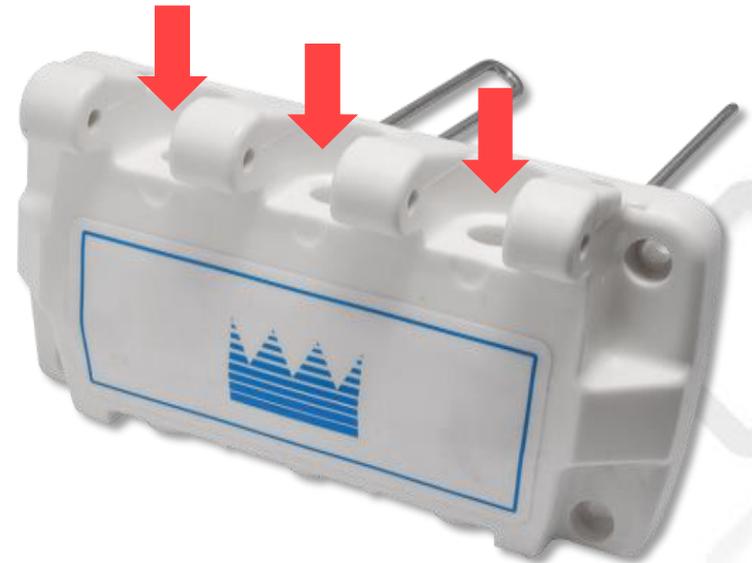
Brush clean all disassembled parts in the cleaning solution.

Make sure all lubricant and mix film is removed.

Brush clean the draw valve core(s) in the freezer door.

Place all cleaned parts on a clean, dry surface to air dry overnight.

Wipe clean all exterior surface and mix cabinet.



Troubleshooting

Product is too soft.

Cause: Worn scraper blades.

Remedy: Replace blades regularly.

Cause: Dirty condensers or air filters on air cooled units.

Remedy: Clean monthly.

Cause: Inadequate air space around air cooled units.

Remedy: Allow adequate room for air flow across condensers. Minimum of 3" (7.6 cm) clearance on all sides. Do not obstruct air discharge on top. There should be 12" (30.5 cm) clearance on top of freezer.

Cause: Inadequate water supply on water cooled units.

Remedy: Check the water supply. Check water lines for leaks or kinks.

Cause: Draw rate is set too fast.

Remedy: Adjust the draw rate to 5 to 7½ oz. of product every 10 seconds. Check that the restrictive bar on the draw handle is assembled on the bottom.

Cause: Viscosity control is set too warm.

Remedy: Contact an authorized service technician.

Troubleshooting

Product is too stiff.

Cause: Out-of-date mix.

Remedy: Use fresh mix. When using rerun, skim off the foam and mix 50% rerun with 50% fresh mix during heavy draw periods.

Cause: Insufficient mix in the freezing cylinder.

Remedy: Refer to “Insufficient mix in the freezing cylinder” section of troubleshooting.

Cause: Improper priming procedures.

Remedy: Drain the freezing cylinder and re-prime the machine.

Cause: Viscosity control is set too cold.

Remedy: Call an authorized service technician.

The drive shaft is stuck in the gear box coupling.

Cause: The gear box is out of alignment.

Remedy: Call an authorized service technician.

Cause: Rounded corners on hex end of drive shaft or gear coupling.

Remedy: Replace damaged component.

Troubleshooting

Freezing cylinder walls are scored.

Cause: The front bearing is missing or worn.

Remedy: Install or replace the front bearing on the back of the freezer door.

Cause: The scraper blades and/or blade clips are damaged.

Remedy: Replace the scraper blades and/or clips.

Cause: Unit was placed in AUTO before all sanitizing solution was removed from freezing cylinder.

Remedy: Place unit in AUTO only after priming is complete and all sanitizing solution is removed.

Cause: Broken pins on beater assembly.

Remedy: Repair or replace the beater assembly. Be sure the scraper blades are properly seated on pins.

Cause: The beater assembly is bent.

Remedy: Repair or replace the beater assembly. Contact an authorized service technician to correct the cause of insufficient mix in the freezing cylinder.

Troubleshooting

Insufficient mix in the freezing cylinder.

Cause: Suction line is not fully submerged in the mix.

Remedy: Arrange the suction line so the weighted end is fully submerged.

Cause: Worn or defective check bands or o-rings in air/mix pump assembly.

Remedy: Replace regularly. Never lubricate check bands.

Cause: Missing, defective, or no lubrication on the mix inlet fitting o-ring.

Remedy: Replace or evenly lubricate the o-ring on the mix inlet fitting.

Cause: The mix pump is pumping foam.

Remedy: Incorrect handling of rerun. Remove all foam.

Cause: Pressure switch diaphragm installed incorrectly, or missing.

Remedy: Diaphragm must be correctly installed in the pressure switch cap or the housing.

Cause: The pump motor is not activated.

Remedy: Place the power switch in the OFF position. Push the reset button on the pump drive motor. Return the power switch to the ON position. Press the AUTO key.

Troubleshooting

Insufficient mix in the freezing cylinder (continued).

Cause: Improper seal of suction line to the mix inlet fitting.

Remedy: Remove the suction line from the mix inlet fitting. Place under hot running water, allow tubing to swell, then cool. Connect suction line to barbed fitting. Eventual replacement will be necessary.

Cause: The mix inlet tube is frozen or clogged.

Remedy: Use the long, flexible brush and sanitizing solution to clear the restriction in the mix inlet tube. Contact an authorized service technician to correct the cause of over-refrigeration in the mix cabinet.

Cause: Defective air/mix pump pressure switch.

Remedy: Contact an authorized service technician to replace the pressure switch.

Cause: The mix pump ball crank is broken.

Remedy: Contact an authorized service technician to replace the ball crank.

Troubleshooting

Mix in the mix cabinet is too warm.

Cause: Warm mix was placed in the tank.

Remedy: Mix added to the mix tank should be below 40°F (4.4°C).

Cause: The mix cabinet door was left open.

Remedy: The door must be kept closed.

Cause: The mix cabinet door gasket is not sealing.

Remedy: Repair or replace the gasket.

Cause: Dirty mix cabinet condenser or air filter.

Remedy: Clean monthly.

Cause: The mix cabinet refrigeration system needs adjustment.

Remedy: Call an authorized service technician.

Mix in the mix cabinet is too cold.

Cause: The mix cabinet refrigeration system needs adjustment.

Remedy: Call an authorized service technician.

Cause: No use of mix tank covers.

Remedy: Install original mix containers and covers provided with freezer.

Troubleshooting

The machine will not operate in the AUTO mode.

Cause: The machine is unplugged.

Remedy: Plug the machine into the wall receptacle.

Cause: The power switch is in the OFF position.

Remedy: Place the power switch in the ON position.

Cause: The circuit breaker is off or the fuse is blown.

Remedy: Turn the breaker on or replace the fuse.

Cause: Low on mix. The MIX OUT light is flashing.

Remedy: Add mix to the mix tank and press the AUTO key.

Cause: The mix probe is not installed properly or is damaged.

Remedy: Check the mix probe installation.

Cause: The beater motor is out on reset.

Remedy: Reset the freezer.

Cause: The unit is off on high head pressure.

Remedy: Clean the condenser (air cooled) or check the water supply (water cooled). Contact an authorized service technician.

Troubleshooting

No product is being dispensed.

Cause: Machine is unplugged.

Remedy: Plug machine into the wall receptacle.

Cause: The power switch is in the OFF position.

Remedy: Place the power switch in the ON position and press the AUTO key.

Cause: Low on mix. The MIX OUT light is on.

Remedy: Add mix to the mix tank and press the AUTO key.

Cause: The beater motor is out on reset.

Remedy: Reset the freezer.

Cause: Circuit breaker is off or the fuse is blown.

Remedy: Turn the breaker on or replace the fuse.

Cause: The mix probe was not installed properly, or is damaged.

Remedy: Check the mix probe installation.

Cause: Restriction in the door spout.

Remedy: Disassemble and clean the freezer. Never put objects or fingers in the door spout.

Cause: Insufficient mix in the freezing cylinder.

Remedy: Refer to "Insufficient mix in the freezing cylinder" section of troubleshooting.

Cause: The beater assembly is rotating counterclockwise.

Remedy: Contact an authorized service technician to correct the rotation (clockwise).

Troubleshooting

Excessive mix leakage from the bottom of the door spout.

Cause: Worn, missing, or incorrect o-ring is on the draw valve.

Remedy: Check the o-rings (replace every 3 months).

Cause: Improper lubrication on the draw valve o-rings.

Remedy: Lubricate properly.

Excessive mix leakage into the rear drip pan.

Cause: Worn or missing drive shaft seal.

Remedy: Install or replace the seal.

Cause: Improper lubrication of the drive shaft.

Remedy: Lubricate properly.

Cause: Worn rear shell bearing.

Remedy: Call an authorized service technician to replace the rear shell bearing.

Cause: The gear box is out of alignment.

Remedy: Call an authorized service technician to align the gear box.

Troubleshooting

The air/mix pump does not operate.

Cause: The pressure switch diaphragm was installed incorrectly or was missing.

Remedy: The diaphragm must be correctly installed in the pressure switch cap or the housing.

Cause: The pump motor is not activated.

Remedy: Place the power switch in the OFF position. Push the reset button on the pump drive motor. Return the power switch to the ON position.

Cause: Defective air/mix pump pressure switch.

Remedy: Call an authorized service technician.

8752/8756

Quiz

Instructions:

This quiz is intended to reemphasize some of the information provided in this program, but should not be used as a formal evaluation. Click on the box with the best answer. Wrong answers are indicated in red. The quiz will advance to the next question when the correct answer is selected.

[Start](#) | [Exit Quiz](#)

#1

How often should scraper blades and o-rings be replaced?

A

Never

B

Every 4 months

C

Every 3 months

D

None of the above

#1

How often should scraper blades and o-rings be replaced?

A

Never



B

Every 4 months

C

Every 3 months

D

None of the above

#1

How often should scraper blades and o-rings be replaced?

A

Never

B

Every 4 months



C

Every 3 months

D

None of the above

#1

How often should scraper blades and o-rings be replaced?

A

Never

B

Every 4 months

C

Every 3 months

D

None of the above



#1

How often should scraper blades and o-rings be replaced?

A

Never

B

Every 4 months

C

Every 3 months



D

None of the above

#2

What is the serving temperature of soft serve ice cream?

A

13° to 15°F
(-10.6° to -9.4°C)

B

16° to 18°F
(-8.9° to -7.8°C)

C

20° to 22°F
(-6.7° to -6.1°C)

D

None of the above

#2

What is the serving temperature of soft serve ice cream?

A

13° to 15°F
(-10.6° to -9.4°C)



B

16° to 18°F
(-8.9° to -7.8°C)

C

20° to 22°F
(-6.7° to -6.1°C)

D

None of the above

#2

What is the serving temperature of soft serve ice cream?

A

13° to 15°F
(-10.6° to -9.4°C)

B

16° to 18°F
(-8.9° to -7.8°C)

C

20° to 22°F
(-6.7° to -6.1°C)



D

None of the above

#2

What is the serving temperature of soft serve ice cream?

A

13° to 15°F
(-10.6° to -9.4°C)

B

16° to 18°F
(-8.9° to -7.8°C)

C

20° to 22°F
(-6.7° to -6.1°C)

D

None of the above



#2

What is the serving temperature of soft serve ice cream?

A

13° to 15°F
(-10.6° to -9.4°C)

B

16° to 18°F
(-8.9° to -7.8°C)



C

20° to 22°F
(-6.7° to -6.1°C)

D

None of the above

#3

When priming the machine, only use:

A**Fresh mix****B****Day old mix****C****Rerun****D****None of the above**

#3

When priming the machine, only use:

A

Fresh mix

B

Day old mix



C

Rerun

D

None of the above

#3

When priming the machine, only use:

A

Fresh mix

B

Day old mix

C

Rerun

D

None of the above



#3

When priming the machine, only use:

A

Fresh mix

B

Day old mix

C

Rerun

D

None of the above



#3

When priming the machine, only use:

A

Fresh mix



B

Day old mix

C

Rerun

D

None of the above

#4

The draw rate should be adjusted to deliver:

A

5 - 7.5 oz. (142 - 213 g.)
of product per second

B

5 - 7.5 oz. (142 - 213 g.)
of product in 10 seconds

C

7 - 10 oz. (198 - 233 g.)
of product in 10 seconds

D

8 - 15oz. (227 - 425 g.)
of product in 10 seconds

#4

The draw rate should be adjusted to deliver:

A

5 - 7.5 oz. (142 - 213 g.)
of product per second

**B**

5 - 7.5 oz. (142 - 213 g.)
of product in 10 seconds

C

7 - 10 oz. (198 - 233 g.)
of product in 10 seconds

D

8 - 15oz. (227 - 425 g.)
of product in 10 seconds

#4

The draw rate should be adjusted to deliver:

A

5 - 7.5 oz. (142 - 213 g.)
of product per second

B

5 - 7.5 oz. (142 - 213 g.)
of product in 10 seconds

C

7 - 10 oz. (198 - 233 g.)
of product in 10 seconds

**D**

8 - 15oz. (227 - 425 g.)
of product in 10 seconds

#4

The draw rate should be adjusted to deliver:

A

5 - 7.5 oz. (142 - 213 g.)
of product per second

B

5 - 7.5 oz. (142 - 213 g.)
of product in 10 seconds

C

7 - 10 oz. (198 - 233 g.)
of product in 10 seconds

D

8 - 15oz. (227 - 425 g.)
of product in 10 seconds



#4

The draw rate should be adjusted to deliver:

A

5 - 7.5 oz. (142 - 213 g.)
of product per second

B

5 - 7.5 oz. (142 - 213 g.)
of product in 10 seconds ✓

C

7 - 10 oz. (198 - 233 g.)
of product in 10 seconds

D

8 - 15oz. (227 - 425 g.)
of product in 10 seconds

#5

Before installing scraper blades,
operators should inspect the blades for:

A

Nicks

B

Cracks

C

Signs of wear

D

All of the above

#5

Before installing scraper blades,
operators should inspect the blades for:

A

Nicks



B

Cracks

C

Signs of wear

D

All of the above

#5

Before installing scraper blades,
operators should inspect the blades for:

A

Nicks

B

Cracks



C

Signs of wear

D

All of the above

#5

Before installing scraper blades,
operators should inspect the blades for:

A

Nicks

B

Cracks

C

Signs of wear

D

All of the above



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Congratulations!

You now have a great understanding of your Taylor 8752/8756 freezer. With this knowledge, you'll be able to keep it running at its optimum level.

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