




Figure 1

ITEM	DESCRIPTION
1	Power Switch
2	Indicator Light - MIX LOW
3	Standby Switch

The following chart identifies the symbol definitions used on the operator switches.

-  = On/Auto Freeze (Far Right Position)
-  = Off (Middle Position)
-  = Wash (Far Left Position)

## Symbol Definitions

To better communicate in the International arena, the words on many of our operator switches and buttons have symbols to indicate their functions. Your Taylor equipment is designed with these International symbols.

## Power Switch

The center position is the OFF position. The left position is WASH which activates the beater motor only. The right position is the AUTO position, which activates the beater motor and the refrigeration.

### Guide to Using Ice Cream Machine

1. Sanitize before using according to directions supplied (page 4)
2. Prime the machine according to directions supplied (page 5)
3. When finished drain the machine according to directions supplied (page 6)
4. Rinse the machine according to directions supplied (page 6)
5. Sanitize the machine as you did in step 1 (page 4)

### Items Customer needs to have in order to Use Ice Cream Machine

- Bucket/Container that holds at least 2 gallons
- Soft Serve Mix– Appert’s Food Service is one supplier 320-251-5450 call for choices
- Container to drain left over ice cream out of machine into when done.

**PLEASE KEEP MACHINE UPRIGHT EVEN WHILE TRANSPORTING**

# Operator

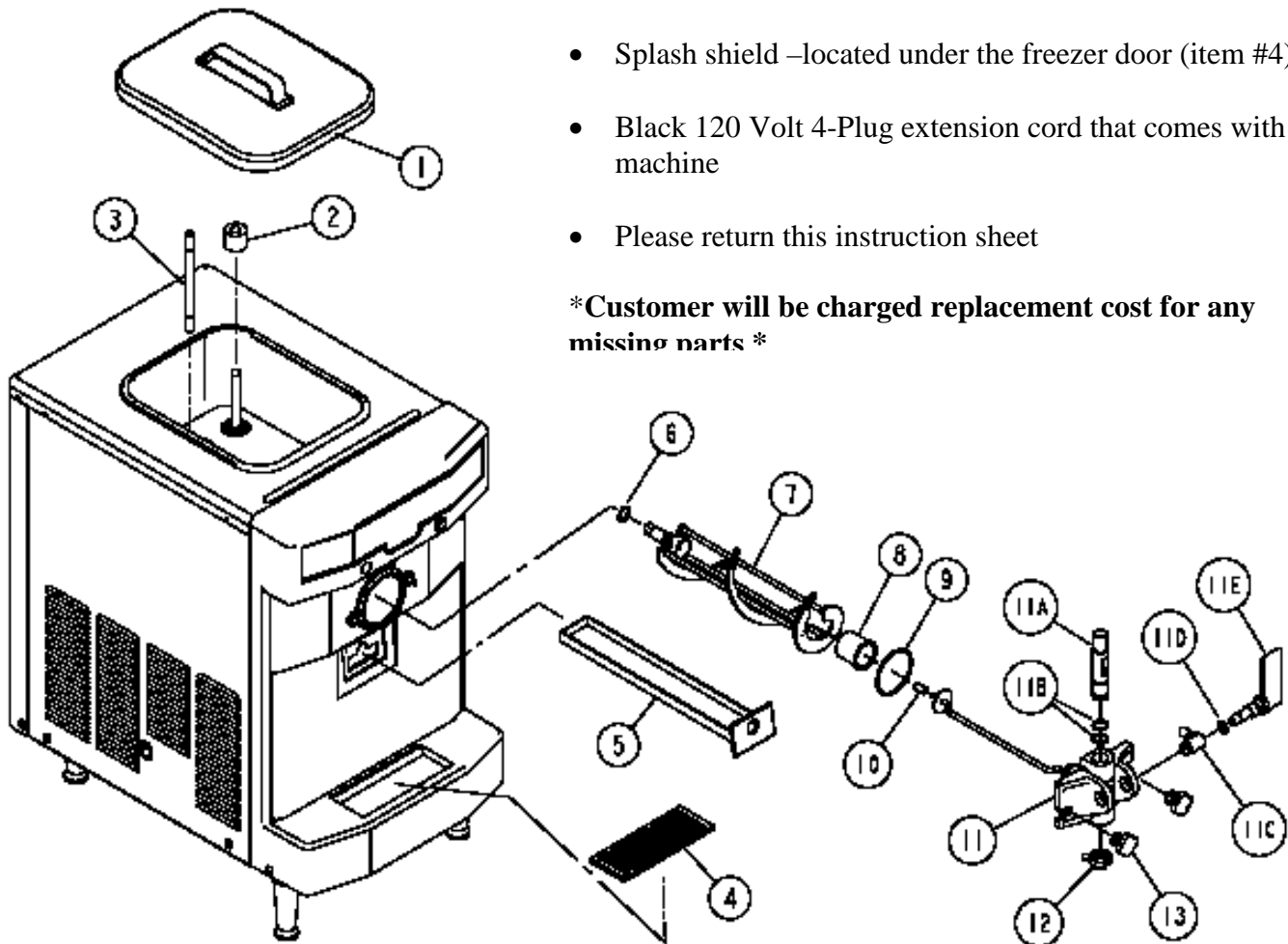
## Parts Identification

### Check List of Items

#### to be sure are returned with Ice Cream Machine

- Stainless Feed Tube that goes in the hopper (item #3)
- White Plastic Float Mix Level that goes on mix level float stem in the hopper (item #2)
- Splash shield –located under the freezer door (item #4)
- Black 120 Volt 4-Plug extension cord that comes with machine
- Please return this instruction sheet

**\*Customer will be charged replacement cost for any missing parts \***



ITEM	DESCRIPTION	PART NO.
1	Hopper Cover	X49633
2	Float-Mix Level	X39690
3	Feed Tube	035819
4	Splash Shield	039444
5	Drip Pan	X43474
6	O-Ring	021278
7	Beater	X24689
8	Front Bearing	023262
9	O-Ring 2-3/4 OD x .139W	019998

ITEM	DESCRIPTION	PART NO.
10	Bearing Guide	014496
11	Door A.-1 Spout	X38959-SER
11A	Draw Valve	024763
11B	O-Ring 7/8 OD x .103W	014402
11C	Valve Lifter Arm	024761
11D	O-Ring 3/4 OD x .103	015835
11E	Door Handle	024762
12	Design Cap	014218
13	Stud Nut	034829

## Indicator Light - MIX LOW

A mix level indicating light is located on the front of the machine. When the light is on, it indicates that the mix hopper has a low supply of mix. The hopper should be refilled immediately. Always maintain at least 2" (5.1 cm.) of mix in the hopper. If mix is not added to the hopper, the freezing cylinder may freeze. This will cause damage to the beater assembly and to the freezer door.

## Standby Switch

This push button switch determines which mode of operation the freezing cylinder is operating in. If the center button of this switch is in the "OUT" position and it is not illuminated, the unit will operate in the normal product dispensing mode when the toggle switch is placed in the AUTO position.

If the center button of the standby switch is in the "IN" position and is illuminated, the machine will operate in the STANDBY mode when the toggle switch is placed in the AUTO position.

## Reset Mechanism

Should an overload condition occur, the freezer will automatically shut down. To properly reset the freezer, place the toggle switch in the OFF position. Wait two or three minutes; then press the reset button located in the side panel. Place the toggle switch in the WASH position and observe the freezer's performance; return the toggle switch to the AUTO position.

## Temperature Adjustments

Temperature adjustments should be performed only by an authorized Taylor Service Representative.

## Feed Tube

The feed tube meters a combination of mix and air into the freezing cylinder. If mix is not added to the hopper, the freezing cylinder may freeze. This will cause damage to the beater assembly and to the freezer door. Depending upon the product being run, you may wish to contact your local authorized Taylor Distributor to make a slight adjustment in the feed tube.

When the unit is operating in the AUTO mode, the metering hole should be placed in the downward position. When the unit is placed in the STANDBY mode, the tube should be inverted.

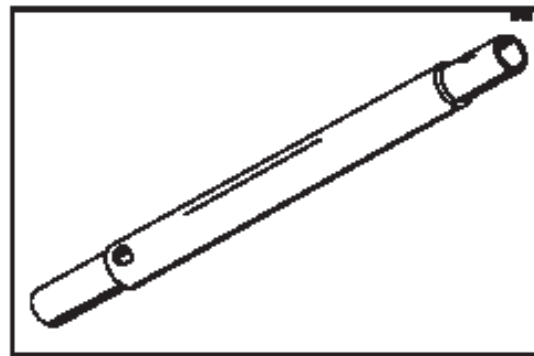


Figure 2

## How to Sanitize Ice Cream Machine

**(This needs to be done before you use the machine & again after you have rinsed the machine when you are done using it.)**

1. Prepare one gallon of sanitizing solution as follows:  
In a clean 2 gallon or larger container, mix one pre-measured packet of sanitizing powder with **2 gallons of WARM water**.
2. Pour the 2 gallons of sanitizing solution into the mix hopper and allow it to flow into the freezing cylinder – it will flow in faster if you take the feed tube out – leave it set in the hopper it needs to be sanitized.
3. Place the toggle switch in the WASH position (move switch to the left). This will cause the cleaning solution in the freezing cylinder to be agitated.
4. Place an empty pail beneath the door spout and open the draw valve. Draw off all of the cleaning solution. When the solution stops flowing from the door spout, close the draw valve and place the toggle switch in the off/middle position. (stop here if you are done using the machine)

If you are just getting started using the machine remove the feed tube from the hopper. (Be sure your hands are sanitized) Be sure the mix level float is on the mix level float stem. (Figure 21)

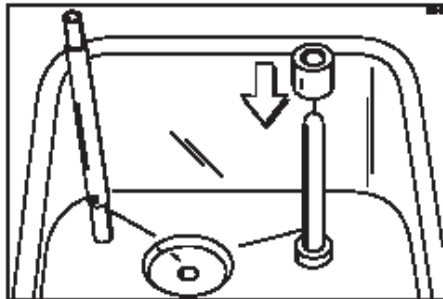


Figure 21

5. Move onto Priming Instructions. Prepare your soft serve mix according to manufacturer's directions.

## Priming

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

### Step 1

With a pail beneath the door spout, open the draw valve. Fill the mix hopper with FRESH mix and allow it to flow into the freezing cylinder. This will force out any remaining sanitizing solution. When full strength mix is flowing from the door spout, close the draw valve.

**Note:** Use only fresh mix when priming the freezer.

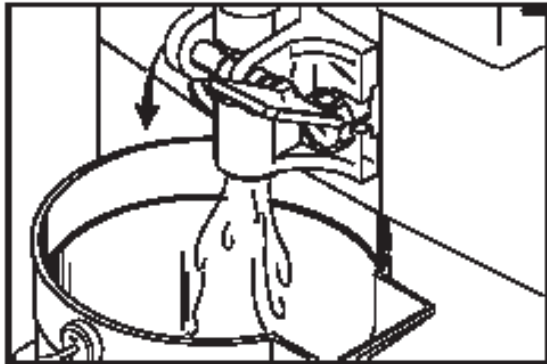


Figure 22

### Step 2

When the mix has stopped bubbling down into the freezing cylinder, install the feed tube in the mix inlet hole.

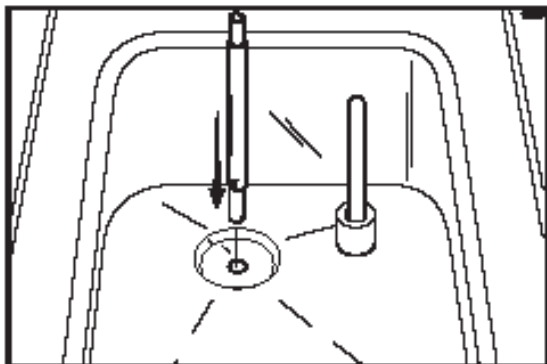


Figure 23

### Step 3

Place the toggle switch in the AUTO position. When the unit cycles off, the product will be ready to serve.

### Step 4

Place the mix hopper cover in position.

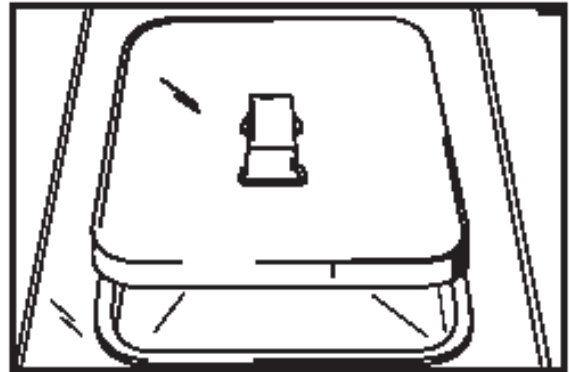


Figure 24

### Step 5

Install the splash shield under the freezer door.

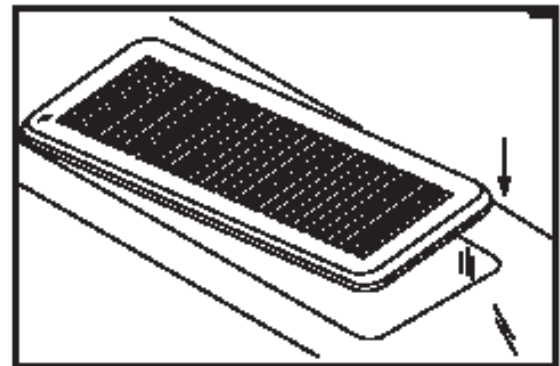


Figure 25

### Step 6

Slide the rear drip pan into the hole in the front panel.

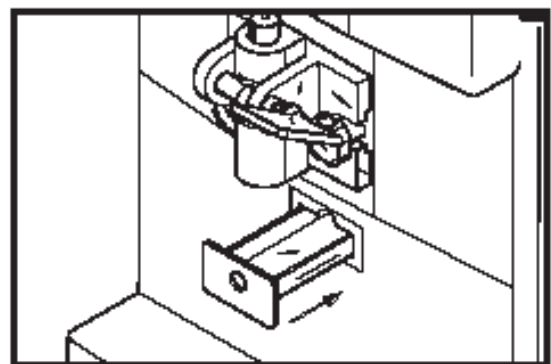


Figure 26

## Standby

This unit is equipped with a STANDBY feature. If product is not dispensed for long periods of time (i.e.; early morning hours), the STANDBY feature will maintain the hopper and freezing cylinder product at safe temperatures, and prevent product breakdown.

To use the standby feature, perform the following steps:

### Step 1

Verify that the hopper is adequately filled with mix, and invert the feed tube.

### Step 2

Place the power switch in the AUTO position, and press the STANDBY button. The button will light, indicating that the unit is operating as a refrigerator for product in the hopper and freezing cylinder.

### Step 3

To remove the unit from the STANDBY mode, place the power switch in the AUTO position, and press the standby button. The light will extinguish, indicating that the unit has resumed the normal operating mode.

### Step 4

When the unit cycles off, remove the hopper cover, and place the feed tube in its original position.

### Step 5

Replace the hopper cover.



**IMPORTANT:** The STANDBY mode must *not* be used in lieu of daily disassembly, cleaning, and sanitizing.

## Draining Product From the Freezing Cylinder

### Step 1

Place the toggle switch in the OFF position as far ahead of cleaning time as possible to allow frozen product to soften for easier cleaning.

### Step 2

Lift the hopper cover, remove the feed tube and the mix level float. Take these parts to the sink for cleaning.

### Step 3

With a sanitized pail beneath the door spout, place the toggle switch in the WASH position and open the draw valve. When all the product stops flowing from the door spout, close the draw valve. Place the toggle switch in the OFF position. If local health codes permit, empty the rerun into a sanitized stainless steel rerun can. Cover the container and place it in the refrigerator or cooler.



**ALWAYS FOLLOW LOCAL HEALTH CODES.**

## Rinsing

### Step 1

Pour one gallon (3.8 liters) of cool, clean water into the mix hopper. With the brushes provided, scrub the mix hopper, mix level float stem and mix inlet hole.

### Step 2

With a pail beneath the door spout, place the toggle switch in the WASH position and open the draw valve. Drain all the rinse water from the freezing cylinder. When the rinse water stops flowing from the door spout, close the draw valve and place the toggle switch in the OFF position.

Repeat this procedure until the rinse water being drawn from the freezing cylinder is clear.

# Trouble Shooting Guide

PROBLEM	PROBABLE CAUSE	REMEDY
<p>1. No product being dispensed.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p><b>RESET is on the left side of the machine.</b></p> </div>	<p>a. Toggle switch in OFF position.</p> <p>b. Inadequate level of mix in mix hopper.</p> <p>c. Beater motor overloaded.</p>	<p>a. Place toggle switch in the AUTO position.</p> <p>b. Fill mix hopper with mix.</p> <p>c. Place the toggle switch in the OFF position. Allow the motor to cool. Reset beater motor. Place the toggle switch in the AUTO position.</p>
	<p>d. Unit unplugged at wall receptacle.</p> <p>e. Tripped circuit breaker or blown fuse.</p> <p>f. Freezer door was assembled incorrectly.</p> <p>g. Product is being drawn off far in excess of freezer's capacity.</p> <p>h. Feed tube incorrectly installed.</p>	<p>d. Plug in power cord.</p> <p>e. Place the circuit breaker in the ON position or replace fuse.</p> <p>f. See "Operating Procedures" for proper installation.</p> <p>g. Stop drawing product and allow unit to recover.</p> <p>h. Install feed tube according to instructions in this manual.</p>
<p>2. Machine will not operate in the AUTO position.</p>	<p>a. Unit unplugged.</p> <p>b. Circuit breaker tripped or fuse blown.</p> <p>c. Beater motor overloaded, causing a loss of power to the toggle switch.</p>	<p>a. Plug in power cord.</p> <p>b. Place the circuit breaker in the ON position or replace fuse.</p> <p>c. Place the toggle switch in the OFF position. Allow the motor to cool. Reset beater motor. Place toggle switch in the AUTO position.</p>
<p>3. Product is too stiff.</p>	<p>a. The temperature control is set too cold.</p>	<p>a. Call service technician.</p>

PROBLEM	PROBABLE CAUSE	REMEDY
4. Product is too soft.	<ul style="list-style-type: none"> <li>a. The temperature control is set too warm.</li> <li>b. The feed tube is not installed.</li> <li>c. Out-drawing the freezer's capacity.</li> </ul>	<ul style="list-style-type: none"> <li>a. Call service technician.</li> <li>b. Install the feed tube in mix inlet hole at bottom of the mix hopper. (The metering hole should be at the bottom of the tube.)</li> <li>c. Two 4 oz. (113.4 gram) servings in one minute.</li> </ul>
5. The freezing cylinder walls are scored.	<ul style="list-style-type: none"> <li>a. Operating freezer without front bearing on freezer door.</li> <li>b. Rear bearing unit is out of alignment.</li> </ul>	<ul style="list-style-type: none"> <li>a. Install front bearing on freezer door.</li> <li>b. Contact service technician.</li> </ul>
6. Excessive leakage in rear drip pan.	<ul style="list-style-type: none"> <li>a. Worn or defective o-ring on beater drive shaft.</li> <li>b. Worn rear shell bearing.</li> <li>c. Incorrect lubricant.</li> <li>d. Inadequate lubrication of beater drive shaft.</li> </ul>	<ul style="list-style-type: none"> <li>a. Replace every 3 months.</li> <li>b. Contact service technician.</li> <li>c. Use food grade lubricant (example: Taylor Lube).</li> <li>d. Lubricate properly.</li> </ul>
7. Draw valve leaking.	<ul style="list-style-type: none"> <li>a. Incorrect lubricant.</li> <li>b. Worn or defective o-rings on draw valve.</li> <li>c. Inadequate lubrication of draw valve.</li> </ul>	<ul style="list-style-type: none"> <li>a. Use food grade lubricant (example: Taylor Lube).</li> <li>b. Replace every 3 months.</li> <li>c. Lubricate properly.</li> </ul>
8. Product not feeding into freezing cylinder.	<ul style="list-style-type: none"> <li>a. Inadequate level of mix in mix hopper.</li> <li>b. Mix inlet hole frozen up.</li> <li>c. Feed tube incorrectly installed.</li> </ul>	<ul style="list-style-type: none"> <li>a. Fill mix hopper with mix.</li> <li>b. Call service technician.</li> <li>c. Place feed hole at the bottom.</li> </ul>
9. Unit goes out on overload excessively.	<ul style="list-style-type: none"> <li>a. Too many appliances plugged into the circuit.</li> <li>b. Extension cord placed between power cord and wall receptacle.</li> </ul>	<ul style="list-style-type: none"> <li>a. A separate 15 amp. circuit is needed for the freezer to operate properly.</li> <li>b. If extension cord is used, it must match the power cord in size of wire ampacity.</li> </ul>