OPERATOR'S MANUAL

Model 793 Chick-fil-A Soft Serve Freezer

Original Operating Instructions

082304CFAM

6/25/13 (Original Publication)
Updated 12/6/13

Complete this page for quick reference when service is required:

Taylor Distributor: _____

Address: _____

Phone: _____

Service: _____

Parts: _____

Date of Installation: _____

Information found on the data label:

Model Number: _____

Serial Number: _____

Electrical Specs: Voltage _____ Cycle _____

Phase _____

Maximum Fuse Size: _____ A

Minimum Wire Ampacity: _____ A

Taylor Company
a division of Carrier Commercial Refrigeration, Inc.
750 N. Blackhawk Blvd.
Rockton, IL 61072

Table of Contents

Note: Continuing research results in steady improvements; therefore, information in this manual is subject to change without notice.

Note: Only instructions originating from the factory or its authorized translation representative(s) are considered to be the original set of instructions.

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Section 1 To the Installer

The following information has been included in the manual as safety and regulatory guidelines. For complete installation instructions, please see the Installation Checklist.

Installer Safety

 In all areas of the world, equipment should be installed in accordance with existing local codes. Please contact your local authorities if you have any questions.

Care should be taken to ensure that all basic safety practices are followed during the installation and servicing activities related to the installation and service of Taylor® equipment.

- Only authorized Taylor service personnel should perform installation, maintenance, and repairs on Taylor equipment.
- Authorized service personnel should consult OSHA Standard 29CFRI910.147 or the applicable code of the local area for the industry standards on lockout/tagout procedures before beginning any installation or repairs.
- Authorized service personnel must ensure that the proper protective equipment (PPE) is available and worn when required during installation and service.
- Authorized service personnel must remove all metal jewelry, rings, and watches before working on electrical equipment.

 The main power supply(s) to the unit must be disconnected prior to performing any installation, maintenance, or repairs. Failure to follow this instruction may result in personal injury or death from electrical shock or hazardous moving parts as well as poor performance or damage to the unit.

 This unit has many sharp edges that can cause severe injuries.

Site Preparation

Review the area where the unit will be installed. Make sure that all possible hazards to the installer, user, and the unit have been addressed.

For Indoor Use Only: This unit is designed to operate indoors, under normal ambient temperatures of 70°-75°F (21°-24°C). The unit has successfully performed in high ambient temperatures of up to 104°F (40°C) at reduced capacities.

 This unit must **NOT** be installed in an area where a water jet or hose can be used. **NEVER** use a water jet or hose to rinse or clean the unit. Failure to follow this instruction may result in electrocution.

 This unit must be installed on a level surface to avoid the hazard of tipping. Extreme care should be taken in moving this unit for any reason. Two or more persons are required to safely move this unit. Failure to comply may result in personal injury or damage to the unit.

The authorized installer should inspect the unit for damage and promptly report any damage to the local authorized Taylor distributor.

This unit is made using USA sizes of hardware. All metric conversions are approximate and vary in size.

Air Cooled Units

DO NOT obstruct the unit's air intake and discharge openings:

A minimum of 3” (76 mm) of air space is required on all sides. Install the deflector provided to prevent recirculation of warm air. Minimum air clearances must be met to assure adequate air flow for optimum performance.

Failure to allow adequate clearance can reduce the refrigeration capacity of the unit and possibly cause permanent damage to the compressor.

Water Connections
(Water Cooled Units Only)

An adequate cold water supply must be provided with a hand shut-off valve. On the underside rear of the base pan, two 3/8" I.P.S. (for single-head units) or two 1/2" I.P.S. (for double-head units) water connections for inlet and outlet have been provided for easy hook-up. 1/2" inside diameter water lines should be connected to the unit. (Flexible lines are recommended, if local codes permit.) Depending on local water conditions, it may be advisable to install a water strainer to prevent foreign substances from clogging the automatic water valve. There will be only one water "in" and one water "out" connection for both single-head and double-head units. DO NOT install a hand shut-off valve on the water "out" line! Water should always flow in this order: first, through the automatic water valve; second, through the condenser; and third, through the outlet fitting to an **open trap drain.**

 **A back flow prevention device is required on the incoming water connection side.** Please refer to the applicable National, State, and local codes for determining the proper configuration.

Electrical Connections

In the United States, this unit is intended to be installed in accordance with the current edition of the National Electrical Code (NEC), ANSI/NFPA 70 which governs the installation of the unit at the local governmental level.

The purpose of the NEC code is the practical safeguarding of persons and property from hazards arising from the use of electricity. This code contains provisions considered necessary for safety.

In all other areas of the world, the unit should be installed in accordance with the existing local codes. Please contact your local authorities.

Each unit requires one power supply for each data label on the unit. Check the data label(s) on the unit for branch circuit overcurrent protection or fuse, circuit ampacity, and other electrical specifications. Refer to the wiring diagram provided inside of the electrical box for proper power connections.

 **FOLLOW YOUR LOCAL ELECTRICAL CODES!**

 **CAUTION: THIS UNIT MUST BE PROPERLY GROUNDED! FAILURE TO DO SO CAN RESULT IN SEVERE PERSONAL INJURY FROM ELECTRICAL SHOCK!**

 An equipotential grounding lug is provided with this unit. Some countries require the grounding lug be properly attached to the rear of the frame by the authorized installer. The installation location is marked by the equipotential bonding symbol (5021 of IEC 60417-1) on both the removable panel and the unit's frame.

- Stationary appliances which are not equipped with a power cord and a plug or another device to disconnect the appliance from the power source must have an all-pole disconnecting device with a contact gap of at least 3 mm installed in the external installation.
- Appliances that are permanently connected to fixed wiring and for which leakage currents may exceed 10 mA, particularly when disconnected or not used for long periods, or during initial installation, shall have protective devices such as a GFI, to protect against the leakage of current, installed by the authorized personnel to the local codes.
- Supply cords used with this unit shall be oil-resistant, sheathed flexible cable not lighter than ordinary polychloroprene or other equivalent synthetic elastomer-sheathed cord (Code designation 60245 IEC 57) installed with the proper cord anchorage to relieve conductors from strain, including twisting, at the terminals and protect the insulation of the conductors from abrasion.

  If the supply cord is damaged, it must be replaced by an authorized Taylor service technician in order to avoid a hazard.

Beater Rotation

 Beater rotation must be clockwise as viewed looking into the freezing cylinder.

To correct the rotation on a three-phase unit, interchange any two incoming power supply lines at unit's main terminal block only.

To correct rotation on a single-phase unit, change the leads inside the beater motor. (Follow the diagram printed on the motor.)

Electrical connections are made directly to the terminal block provided in the main control box located under the upper left side panel on the countertop unit, or behind the service panel on the console units.

It is recommended that beater rotation be performed by an authorized Taylor service technician.

Refrigerant

 In consideration of our environment, Taylor uses only HFC refrigerants. The HFC refrigerant used in this unit is R404A. This refrigerant is generally considered non-toxic and non-flammable, with an Ozone Depleting Potential (ODP) of zero (0).

However, any gas under pressure is potentially hazardous and must be handled with caution.

NEVER fill any refrigerant cylinder completely with liquid. Filling the cylinder to approximately 80% will allow for normal expansion.

 Use only R404A refrigerant that conforms to the AHRI standard 700 specification. The use of any other refrigerant may expose users and operators to unexpected safety hazards.

 Refrigerant liquid sprayed onto the skin may cause serious damage to tissue. Keep eyes and skin protected. If refrigerant burns should occur, flush immediately with cold water. If burns are severe, apply ice packs and contact a physician immediately.

 Taylor reminds technicians to be aware of and in compliance with local government laws regarding refrigerant recovery, recycling, and reclaiming systems. For information regarding applicable local laws, please contact your local authorized Taylor distributor.

 WARNING: R404A refrigerant used in conjunction with polyolester oils is extremely moisture absorbent. When opening a refrigeration system, the maximum time the system is open must not exceed 15 minutes. Cap all open tubing to prevent humid air or water from being absorbed by the oil.

Section 2 To the Operator

The unit you have purchased has been carefully engineered and manufactured to give you dependable operation.

This unit, when properly operated and cared for, will produce a consistent quality product. Like all mechanical products, it will require cleaning and maintenance. A minimum amount of care and attention is necessary if the operating procedures outlined in this manual are followed closely.

 This Operator's Manual should be read before operating or performing any maintenance on the unit.

Your Taylor unit will NOT compensate for and/or correct any errors made during the set-up or filling operations. Thus, the initial assembly, set-up, and priming procedures are of extreme importance. It is strongly recommended that all personnel responsible for the unit's operation, including assembly and disassembly, go through these procedures together in order to be properly trained and to make sure that all understand their role in using and maintaining the unit.

In the event you should require technical assistance, please contact your local authorized Taylor Distributor.

Note: Your Taylor warranty is valid only if the parts are authorized Taylor parts, purchased from the local authorized Taylor Distributor, and only if all required service work is provided by an authorized Taylor service technician. Taylor reserves the right to deny warranty claims on units or parts if non-Taylor approved parts or incorrect refrigerant were installed in the unit, system modifications were performed beyond factory recommendations, or it is determined that the failure was caused by abuse, misuse, neglect, or failure to follow all operating instructions. For full details of your Taylor Warranty, please see the Limited Warranty section in this manual.

 If the crossed out wheeled bin symbol is affixed to this unit, it signifies that this unit is compliant with the EU Directives as well as other similar end of life legislation in effect after August 13, 2005. Therefore, it must be collected separately after its use is completed, and cannot be disposed as unsorted municipal waste.

The user is responsible for returning the unit to the appropriate collection facility, as specified by your local code.

For additional information regarding applicable local disposal laws, please contact the municipal waste facility and/or local authorized Taylor distributor.

Compressor Warranty Disclaimer

The refrigeration compressor(s) on this unit are warranted for the term stated in the Limited Warranty section in this manual. However, due to the Montreal Protocol and the U.S. Clean Air Act Amendments of 1990, many new refrigerants are being tested and developed, thus seeking their way into the service industry. Some of these new refrigerants are being advertised as drop-in replacements for numerous applications. It should be noted that in the event of ordinary service to this unit's refrigeration system, **only the refrigerant specified on the affixed data label should be used**. The unauthorized use of alternate refrigerants will void your Taylor compressor warranty. It is the unit owner's responsibility to make this fact known to any technician he employs.

It should also be noted that Taylor does not warrant the refrigerant used in its equipment. For example, if the refrigerant is lost during the course of ordinary service to this unit, Taylor has no obligation to either supply or provide replacement refrigerant either at billable or unbillable terms. Taylor will recommend a suitable replacement if the original refrigerant is banned, obsoleted, or no longer available during the five (5) year Taylor warranty of the compressor.

From time-to-time Taylor may test new refrigerant alternates. Should a new refrigerant alternate prove, through Taylor's testing, that it would be accepted as a drop-in replacement for this unit, then the disclaimer in this “Compressor Warranty Disclaimer” section will not apply to the use of the alternate refrigerant approved by Taylor.

To find out the current status of an alternate refrigerant as it relates to your compressor warranty, call Taylor or your local authorized Taylor distributor. Be prepared to provide the Model/Serial Number of the unit in question.

Note: Continuing research results in steady improvements; therefore, information in this Operator Manual is subject to change without notice.

Section 3 Safety

We, at Taylor Company, are concerned about the safety of the operator at all times when they are coming in contact with the unit and its parts. Taylor makes every effort to design and manufacture built-in safety features to protect both operators and service technicians.

Installing and servicing refrigeration equipment can be hazardous due to system pressure and electrical components. Only trained and qualified service personnel should install, repair, or service refrigeration equipment. When working on refrigeration equipment, observe precautions noted in the literature, tags and labels attached to the unit, and other safety precautions that may apply. Follow all safety code requirements. Wear safety glasses and work gloves.

 **IMPORTANT - Failure to adhere to the following safety precautions may result in severe personal injury or death. Failure to comply with these warnings may also damage the unit and/or its components. Such damage may result in component replacement and service repair expenses**.

 **DO NOT** operate the unit without reading this entire Operator Manual first. Failure to follow all of these operating instructions may result in damage to the unit, poor performance, health hazards, personal injury, or death.

 This unit is to be used only by trained personnel. It is not intended for use by children or people with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge. Where limited equipment operation is allowed for public use, such as a self-serve application, supervision or instruction concerning the use of the appliance by a person responsible for their safety is required. Children should be supervised to ensure that they do not play with the appliance.

- All repairs should be performed by an authorized Taylor service technician.
- The main power supplies to the unit must be disconnected prior to performing installation, repairs, or maintenance.
- **DO NOT** operate the unit unless it is properly grounded.
- **DO NOT** operate the unit with larger fuses than specified on the unit's data label.
- Units that are permanently connected to fixed wiring and for which leakage currents may exceed 10 mA, particularly when disconnected or not used for long periods, or during initial installation, shall have protective devices such as a GFI, to protect against the leakage of current, installed by the authorized personnel to the local codes.
- Stationary units which are not equipped with a power cord and a plug or another device to disconnect the appliance from the power source must have an all-pole disconnecting device with a contact gap of at least 3 mm installed in the external installation.
- Supply cords used with this unit shall be oil-resistant, sheathed flexible cable not lighter than ordinary polychloroprene or other equivalent synthetic elastomer-sheathed cord (Code designation 60245 IEC 57) installed with the proper cord anchorage to relieve conductors from strain, including twisting, at the terminals and protect the insulation of the conductors from abrasion.

  If the supply cord is damaged, it must be replaced by an authorized Taylor service technician in order to avoid a hazard.

Failure to follow these instructions may result in electrocution. Contact your local authorized Taylor Distributor for service.


An equipotential grounding lug is provided with this unit. Some countries require the grounding lug be properly attached to the rear of the frame by the authorized installer. The installation location is marked by the equipotential bonding symbol (5021 of IEC 60417-1) on both the removable panel and the unit's frame.


DO NOT use a water jet to clean or rinse the unit. Failure to follow these instructions may result in serious electrical shock.

- **DO NOT** allow untrained personnel to operate this unit.
- **DO NOT** operate the unit unless all service panels and access doors are restrained with screws.
- **DO NOT** remove any internal operating parts (including, but not limited to, freezer door, beater, or scraper blades), unless all control switches are in the OFF position.

Failure to follow these instructions may result in severe personal injury, especially to fingers or hands, from hazardous moving parts.


This unit has many sharp edges that can cause severe injuries.

- **DO NOT** put objects or fingers in the door spout. This may contaminate the product and cause severe personal injury from blade contact.
- **USE EXTREME CAUTION** when removing the beater assembly. The scraper blades are very sharp.


This unit must be placed on a level surface. Extreme care should be taken when moving the unit for any reason. Two or more persons are required to safely move this unit. Failure to comply may result in personal injury or damage to the unit.


Access to the service area of the unit must be restricted to persons having knowledge and practical experience with the unit, in particular as far as safety and hygiene are concerned.


Cleaning and sanitizing schedules are governed by your state or local regulatory agencies and must be followed accordingly. Please refer to the cleaning section of this Operator Manual for the proper procedure to clean this unit.


This unit is designed to maintain product temperature under 41°F (5°C). Any product being added to this unit must be below 41°F (5°C). Failure to follow this instruction may result in health hazards and poor freezer performance.

DO NOT obstruct the unit's air intake and discharge openings:

A minimum of 3” (76 mm) of air space is required on all sides. Install the deflector provided to prevent recirculation of warm air. Minimum air clearances must be met to assure adequate air flow for optimum performance.

Failure to allow adequate clearance can reduce the refrigeration capacity of the unit and possibly cause permanent damage to the compressor.

For Indoor Use Only: This unit is designed to operate indoors, under normal ambient temperatures of 70°-75°F (21°-24°C). The unit has successfully performed in high ambient temperatures of up to 104°F (40°C) at reduced capacities.

DO NOT run the unit without product. Failure to follow this instruction can result in damage to the unit.

NOISE LEVEL: Airborne noise emission does not exceed 78 dB(A) when measured at a distance of 1.0 meter from the surface of the unit and at a height of 1.6 meters from the floor.

Section 4 Operator Parts Identification

Model 793

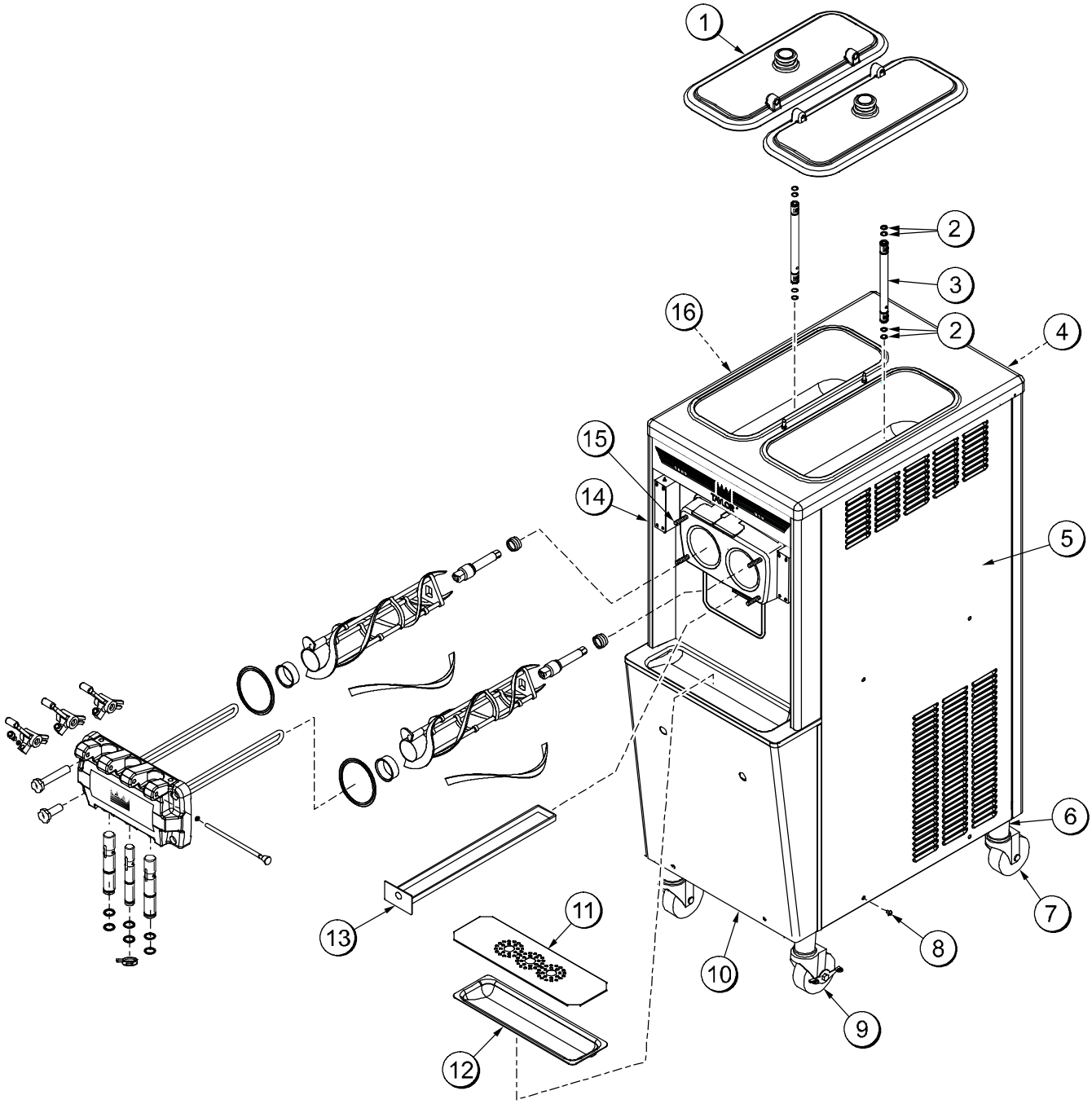


Figure 1

793 Exploded View Parts Identification

ITEM	DESCRIPTION	TAYLOR PART NO.
1	COVER-HOPPER-14 QT-GRAY	041682-GRY
2	O-RING-.643 OD X .077W	018572
3	TUBE-FEED-SS	081718-5
4	PANEL-REAR	041855
5	PANEL A.-SIDE RIGHT	X82285
6	ADAPTOR A.-CASTER	X18915
7	CASTER-4" SWV 5/8 STEM X 1-3/8	018794
8	SCREW-1/4-20X3/8 SLTD ROUND	011694

ITEM	DESCRIPTION	TAYLOR PART NO.
9	CASTER-4" SWV 5/8 STEM W/BRAKE	034081
10	PANEL-SERVICE	064000
11	SHIELD-SPLASH	022765
12	TRAY-DRIP	021057
13	PAN-DRIP 19 1/2 LONG	035034
14	PANEL A.-FRONT	X41820-SP2
15	STUD-NOSE CONE	022822
16	PANEL A.-SIDE LEFT	X82284

Three Spout Door and Beater Assembly

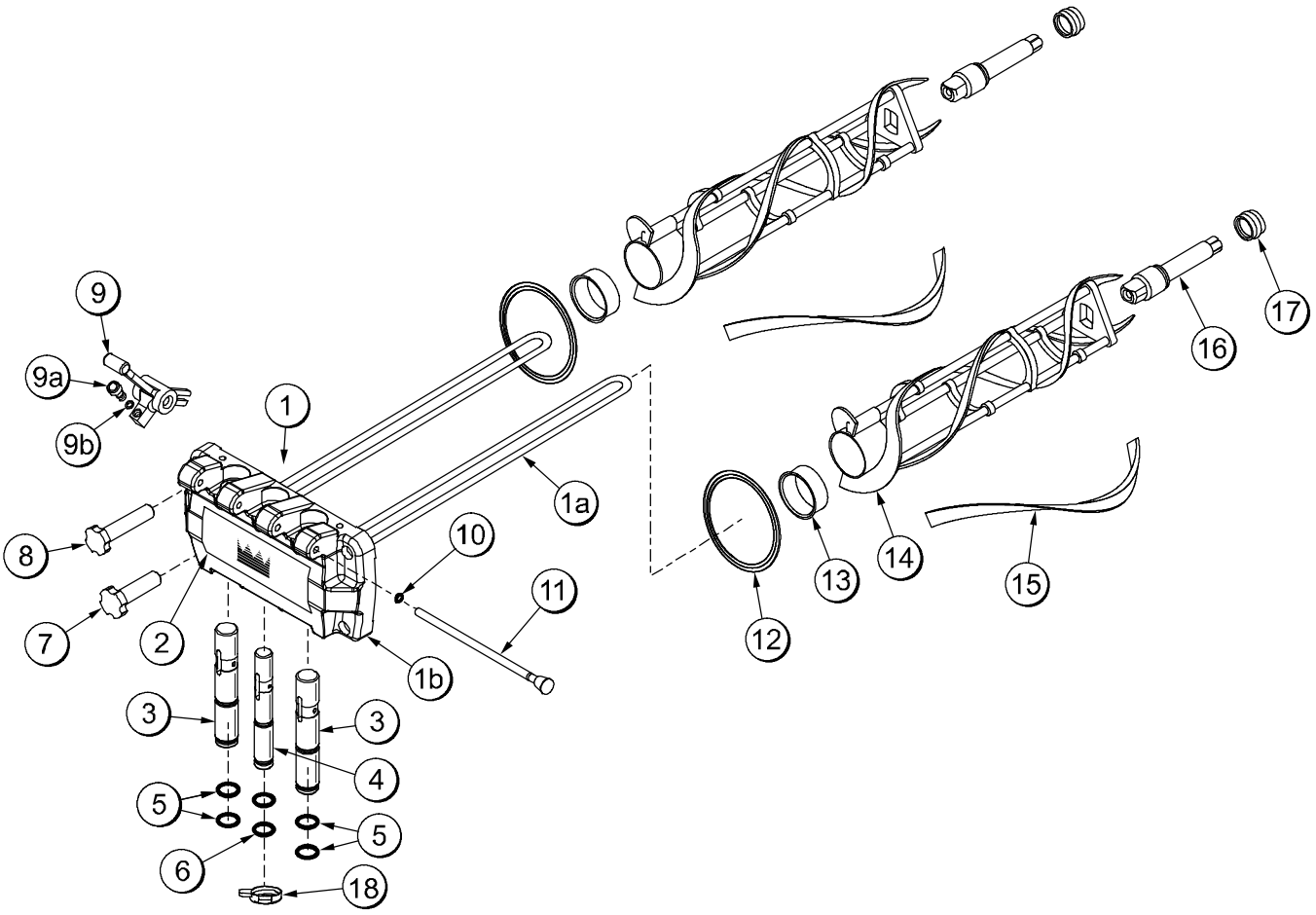


Figure 2

ITEM	DESCRIPTION	TAYLOR PART NO.
1	DOOR A.-3 SPT*794*CHK-FIL-A	X68971-SER
1a	BAFFLE A.	X50882
1b	DOOR A.-3 SPT*794* CFA	X68966
2	DECAL-DOOR-3 SPOUT	021521
3	VALVE A.-DRAW	X68969
4	VALVE A.-DRAW	X69799
5	O-RING-1-1/16 OD X.139W	020571
6	O-RING-13/16 OD X .103W	019330
7	NUT-STUD-SHORT	034383
8	NUT-STUD-LONG	034382
9	HANDLE A.-DRAW NON-ADJ.	X80916

ITEM	DESCRIPTION	TAYLOR PART NO.
9a	SCREW-5/16-24 X .625	069014
9b	O-RING-1/4 OD X .070W 50	015872
10	O-RING 5/16OD X .070W	016272
11	ROD A.- PIVOT	X20683
12	GASKET-DOOR HT 4"-DOUBLE	048926
13	BEARING-FRONT	050216
14	BEATER A.- HELICORE	X31761
15	BLADE- SCRAPER	035174
16	SHAFT-BEATER	032564
17	SEAL-DRIVE SHAFT	032560
18	CAP-DESIGN 1.010"ID-6 POINT	014218

Accessories

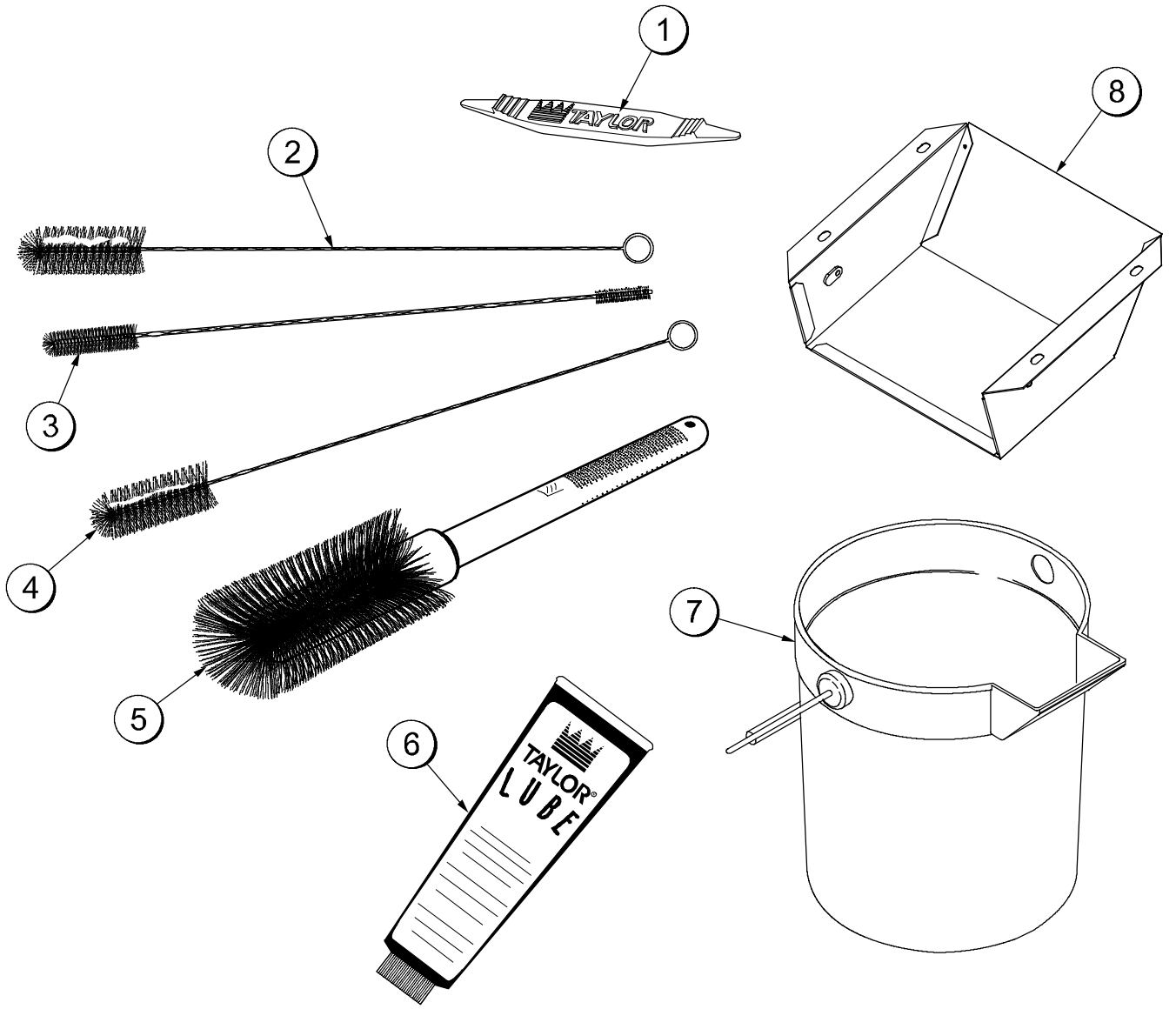


Figure 3

ITEM	DESCRIPTION	TAYLOR PART NO.
1	TOOL-CLEANING O-RING REMOVAL	048260
2	BRUSH-REAR BRG 1" OD X 2" X 14"	013071
3	BRUSH-DOUBLE ENDED	013072
4	BRUSH-DRAW VALVE 1" OD X 2" X17"	013073

ITEM	DESCRIPTION	TAYLOR PART NO.
5	BRUSH-MIX PUMP BODY- 3" X 7" WHITE	023316
6	LUBRICANT-TAYLOR 4 OZ.	047518
7	PAIL-MIX 10 QT.	013163
8	KIT A.-AIR DEFLECTOR	X80777
*	KIT A.-TUNE UP 3 SPOUT CFA	X69492

*NOT SHOWN

Section 5 Important: To the Operator

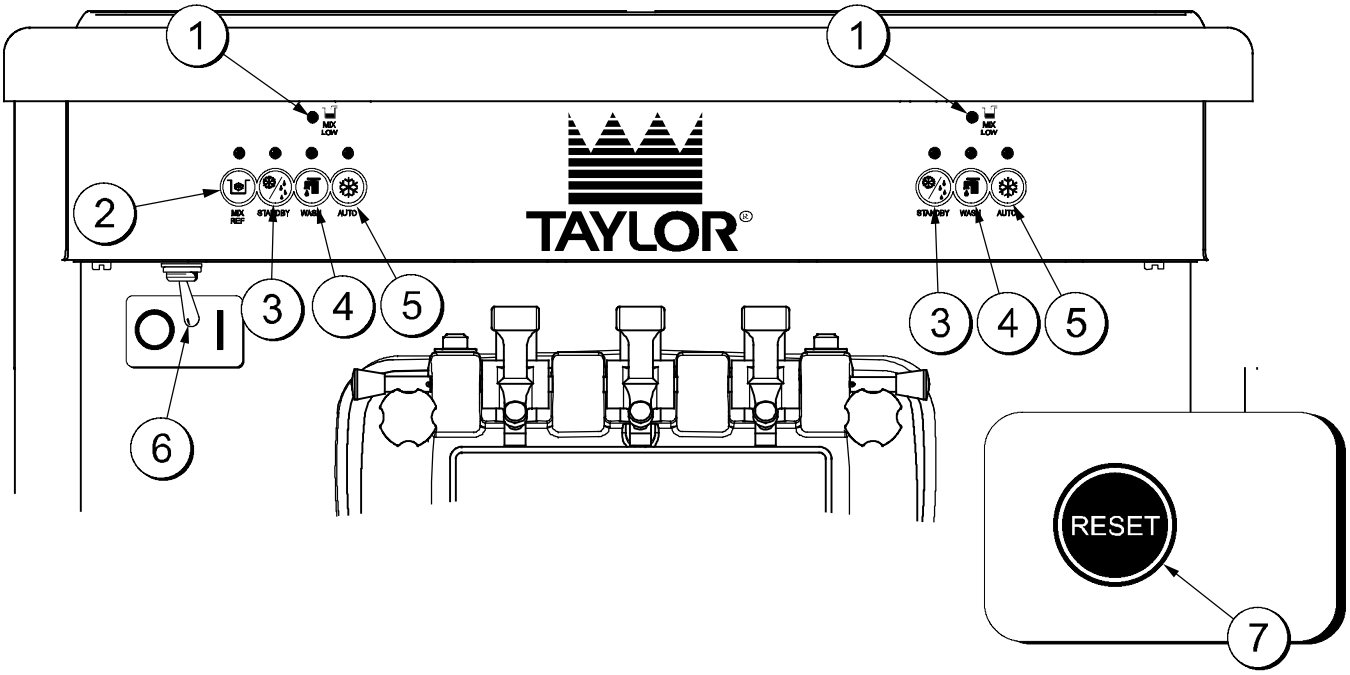


Figure 4

ITEM	DESCRIPTION
1	MIX LOW INDICATOR LIGHT
2	MIX REFRIGERATION KEY
3	STANDBY KEY
4	WASH KEY
5	AUTO KEY
6	POWER ON/OFF TOGGLE
7	RESET BUTTON

Symbol Definitions

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

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

= OFF

= ON

= MIX

= STANDBY

= WASH

= AUTO

Item #1 - MIX LOW Indicator Light

Located on the front of the unit is a mix level indicating light. When the light is flashing, it indicates that the mix hopper has a low supply of mix and should be refilled as soon as possible. Always maintain at least 3” (76 mm) of mix in the hopper. If you neglect to add mix, a freeze-up may occur. This will cause eventual damage to the beater, blades, drive shaft, and freezer door.

Item #2 - MIX REF Key

When the MIX REF key is pressed, the light comes on indicating the mix hopper refrigeration system is operating. The MIX REF is controlled by the left side of the unit as viewed from the operator end. The MIX REF function cannot be cancelled unless the AUTO or STANDBY modes are cancelled first.

Item #3 - STANDBY Mode Key

Per standard Chick-fil-A daily operating procedures, the Standby feature is not used.

Item #4 - WASH Mode Key

When the WASH key is pressed, the light comes on. This indicates beater motor operation. The STANDBY or AUTO modes must be cancelled first to activate the WASH mode.

Note: To cancel a mode of operation function, press the key again. The light and mode of operation will shut off.

Item #5 - AUTO Mode Key

When the AUTO key is pressed, the light comes on. This indicates that the main refrigeration system has been activated. In the AUTO mode, the WASH or STANDBY functions are automatically cancelled. The MIX REF function is automatically locked in to maintain the mix in the mix hopper.

Note: To cancel a mode of operation function, press the key again. The light and mode of operation will shut off.

Item #6 - Power Switch

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

Item #7 - Reset Button

The reset button is located in the service panel. The reset protects the beater motor from an overload condition. If an overload occurs, the reset mechanism will trip. To properly reset the unit, press the AUTO key to cancel the cycle. Place the power switch in the OFF position. After two or three minutes, press the reset button firmly.

Do not use metal objects to press the reset button. Failure to follow this instruction may result in electrocution.

Place the power switch in the ON position. Press the WASH key and observe the unit's performance. If the beater motor is turning properly, press the WASH key to cancel the cycle.

Press the AUTO key on both sides of the unit to resume normal operation. If the unit shuts down again, contact an authorized Taylor service technician.

Air Tube

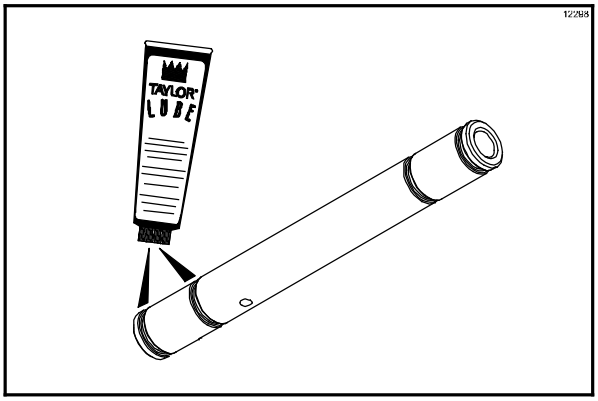


Figure 5

After priming the unit, lubricate the o-rings on the end of the air tube that has the small hole on the side. Install that end of the air tube into the mix inlet hole. Every time the draw handle is raised, new mix and air from the hopper will flow down into the freezing cylinder. This will keep the freezing cylinder properly filled and maintain overrun.

Section 6 Operating Procedures

The Model 793 stores mix in a hopper. The mix flows by gravity through an air tube into the freezing cylinder. The unit has two 3.4 quart (3.2 liter) capacity freezing cylinders and two 14 quart (13.2 liter) mix hoppers.

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.

The opening procedures in this section will show you how to assemble these parts into the unit, sanitize them, and prime the unit with fresh mix in preparation to serve your first portion.

If you are disassembling the unit for the first time or need information to get to this starting point in our instructions, turn to page 22, “Disassembly”, and start there.

Assembly

Note: When lubricating parts, use an approved food grade lubricant (example: Taylor Lube).

MAKE SURE POWER SWITCH IS IN THE “OFF” POSITION! Failure to follow this instruction may result in severe personal injury from hazardous moving parts.

Step 1
Lubricate the groove and shaft portion that comes in contact with the bearing on the beater drive shaft. Slide the seal over the shaft and groove until it snaps into place. **DO NOT** lubricate the hex end of the drive shaft. Fill the inside portion of the seal with 1/4” more lubricant and lubricate the flat side of the seal that fits onto the rear shell bearing.

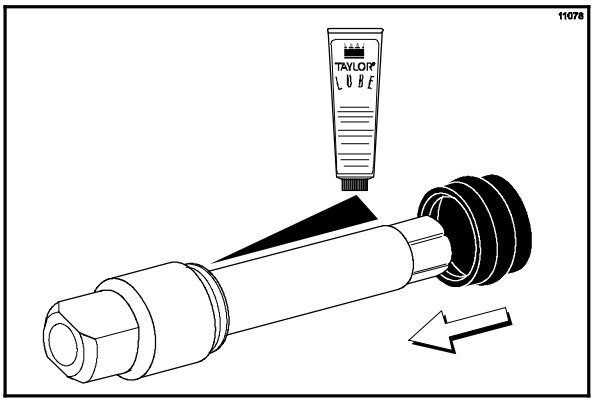


Figure 6

Step 2
Insert the drive shaft into the freezing cylinder, hex end first, and into the rear shell bearing until the seal fits securely over the rear shell bearing. Engage the hex end firmly into the drive coupling. Be sure the drive shaft fits into the drive coupling without binding.

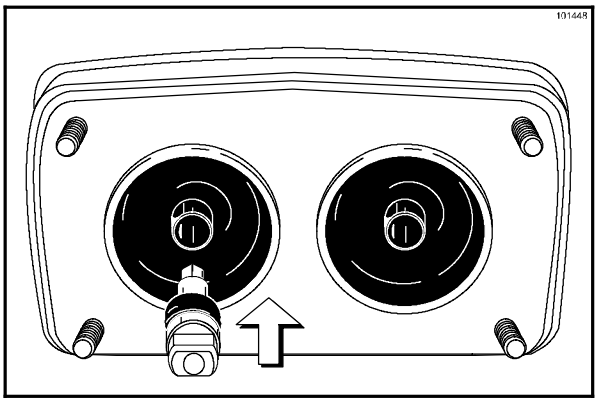


Figure 7

Step 3
Take one of the scraper blades and slip it under the hook at the front of the beater. Wrap the blade around the beater, following the helix and pushing the blade down onto the helix as you wrap. At the back end of the beater, slip the blade under the hook. **Repeat this step** for the second scraper blade.

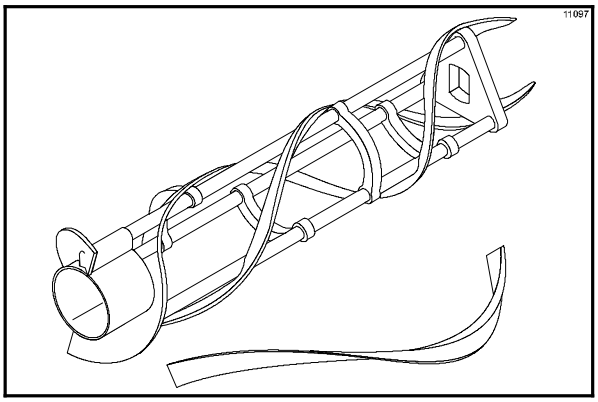


Figure 8

Step 4
Holding the beater securely, slide the beater one third of the way into the freezing cylinder. Looking into the freezing cylinder, align the hole at the rear of the beater with the flats on the end of the drive shaft.

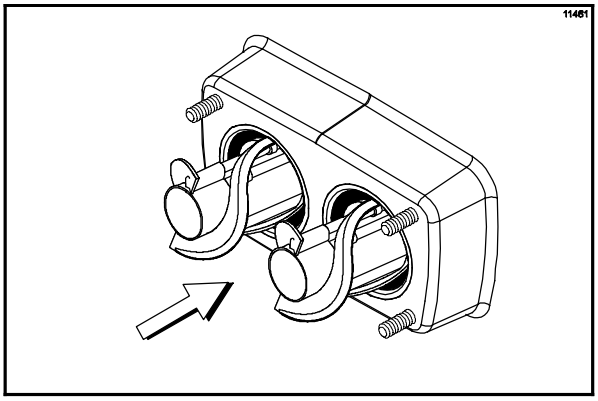


Figure 9

Step 5
Slide the beater the remainder of the way into the freezing cylinder and over the end of the drive shaft. The beater should fit snugly, but not so tightly that the beater cannot be turned slightly to engage the drive shaft. If the beater slides in too easily with little or no resistance, there will not be enough force against the beater to hold the blades in place. If this is the case, contact your authorized Taylor service technician.

Repeat steps 1 - 5 for the other side of the unit.

Step 6
Place the large rubber gaskets into the grooves on the back side of the freezer door.

Step 7
Slide the white plastic front bearings over the baffle rods onto the bearing hubs, making certain that the flanged end of the bearing is resting against the freezer door.

Note: Do not lubricate the gaskets or the front bearings.

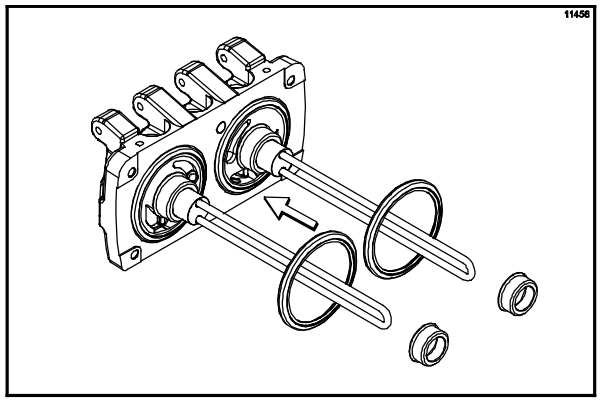


Figure 10

Step 8
Insert the baffle rods through the opening in the beaters and seat the door flush with the freezing cylinder. With the door seated on the freezer studs, install the handscrews. The short handscrews go on the bottom and the long handscrews go on the top. Tighten equally in a crisscross pattern to ensure the door is snug.

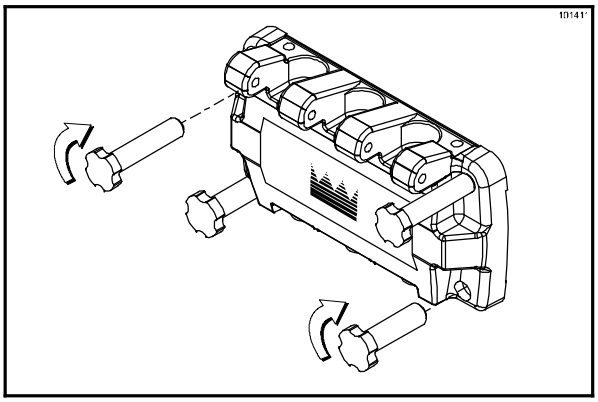


Figure 11

Step 9
Install the draw valves. Slide the two o-rings into the grooves on the draw valves and lubricate.

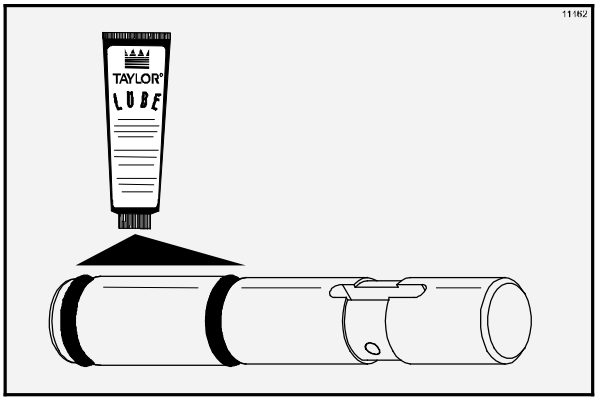


Figure 12

Step 10
Lubricate the inside of the freezer door spouts, top and bottom. Insert the draw valves from the **bottom** until the slot in the draw valves comes into view.

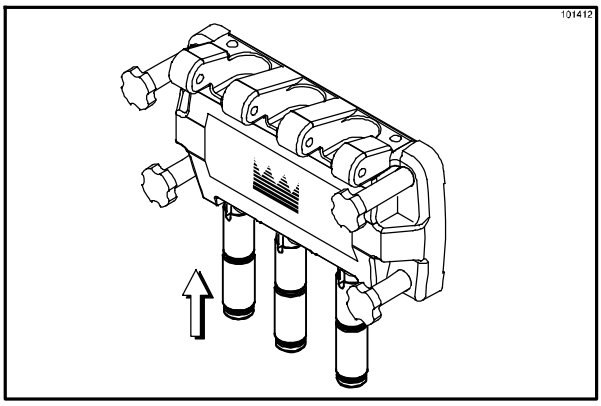


Figure 13

Step 11
Install the adjustable draw handles. Slide the o-ring into the groove on the pivot pin and lubricate.

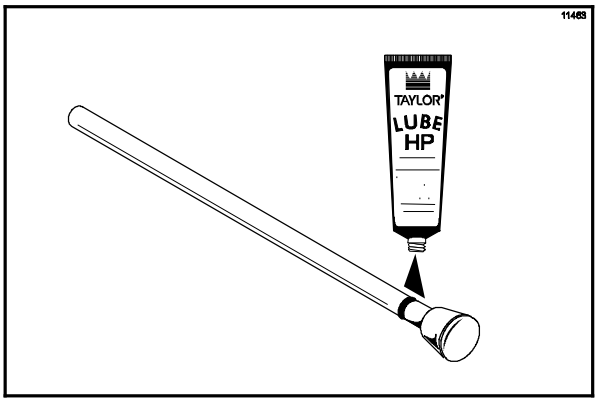


Figure 14

Step 12
Slide the fork of the draw handle into the slot of the draw valve, starting from the right. Slide the pivot pin through each draw handle as you insert them into the draw valves. Secure with pivot pin.

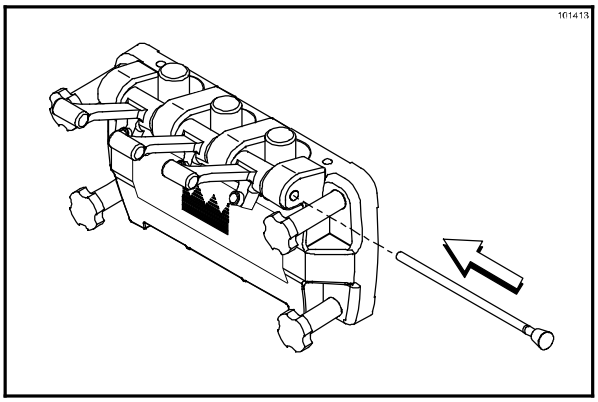


Figure 15

Step 13
Snap the design cap over the end of the center door spout.

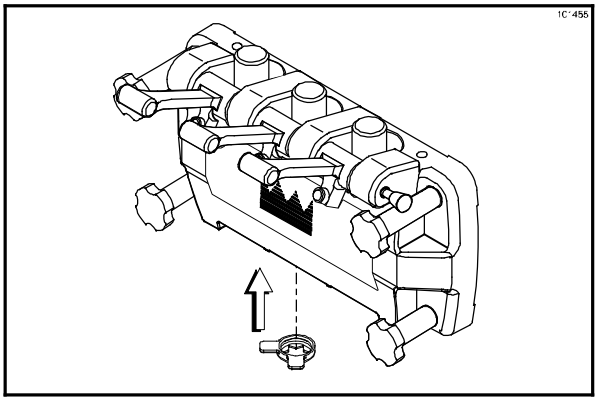


Figure 16

Step 14
Install the front drip tray and the splash shield under the door spouts.

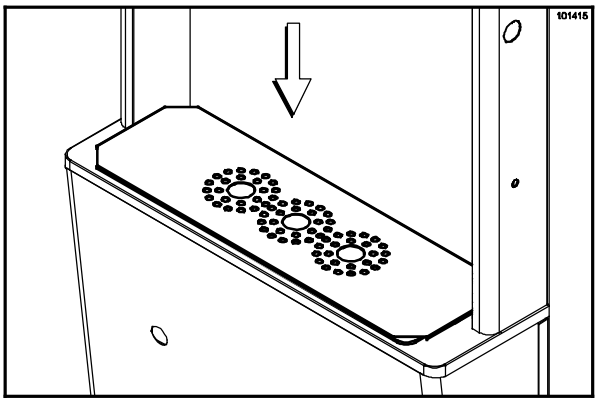


Figure 17

Step 15
Install the drip pan.

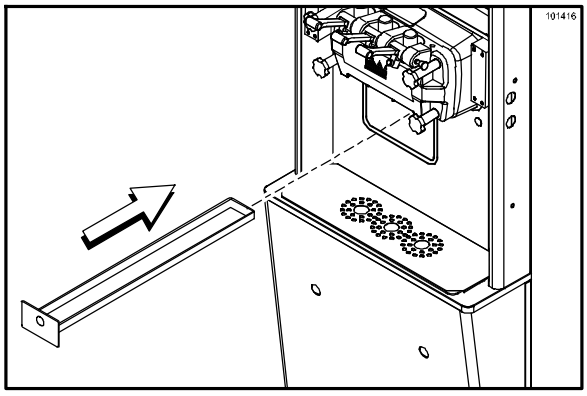


Figure 18

Step 16
Slide two o-rings on one end of the air tube. Slide two o-rings on the other end of the air tube.

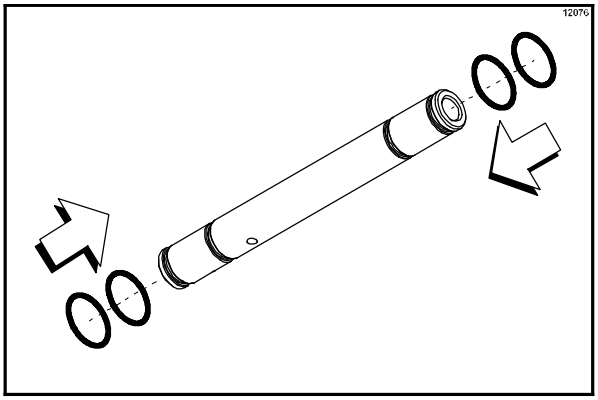


Figure 19

Step 17
Lay the air tube in the bottom of the mix hopper for sanitizing.

Repeat steps 16 - 17 for the other side of the unit.

CAUTION: Do not run the unit without product. Failure to follow this instruction can result in damage to the unit.

Sanitizing

Step 1
Prepare a 2-1/2 gallon (9.5 liter) pail of a cleaning/sanitizing solution with an active chlorine concentrate of 100 - 200 PPM (parts per million), approved for use by your company. Use warm water and follow the cleaning/sanitizing solution manufacturer's specifications for dilution.

Step 2
Pour the sanitizing solution into the hopper and allow it to flow into the freezing cylinder.

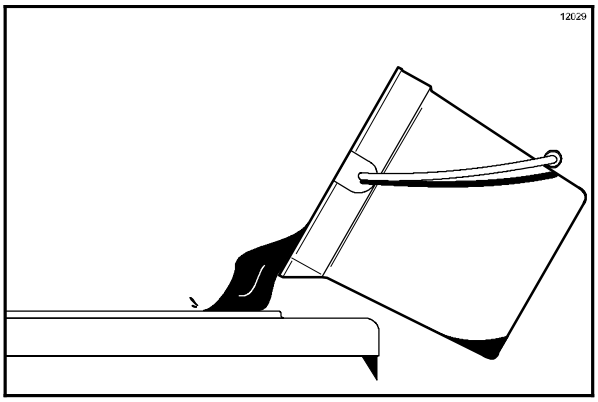


Figure 20

Step 3
While the solution is flowing into the freezing cylinder, brush clean the mix hopper. When cleaning the hopper, take particular care in brushing the mix level sensing probe on the rear wall of the hopper, the mix inlet hole, and the air tube.

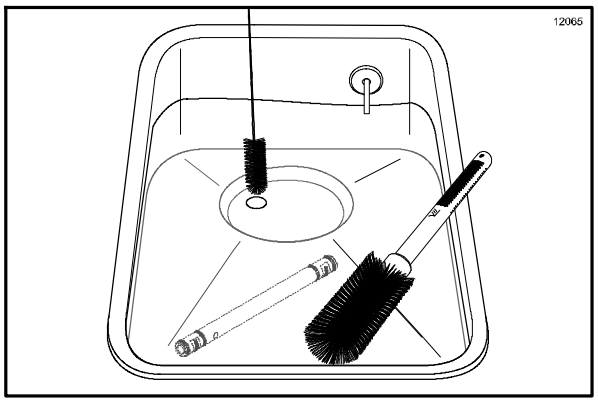


Figure 21

Step 4
Thoroughly clean the inside of the air tube.

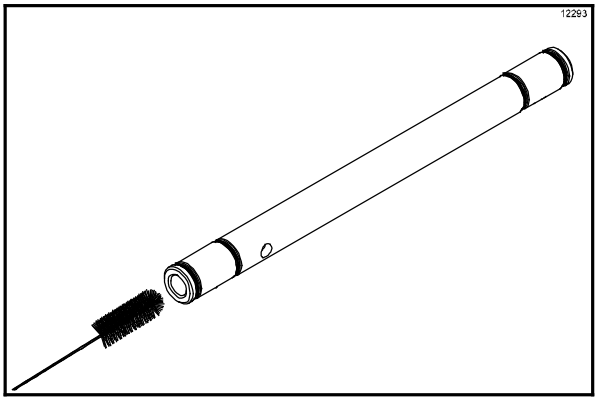


Figure 22

Step 5
Place the power switch in the ON position.

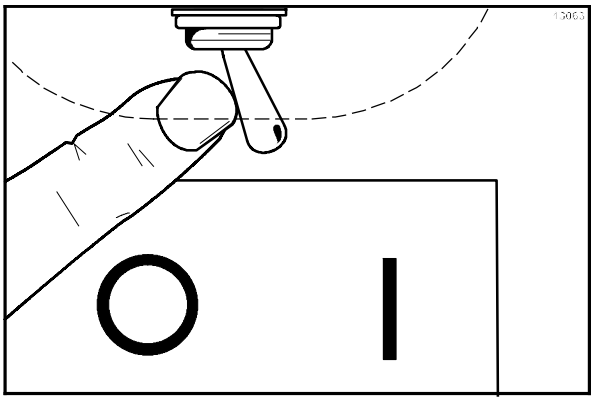


Figure 23

Step 6
Press the WASH key. This will cause the sanitizing solution in the freezing cylinder to agitate. Allow it to agitate for five minutes.

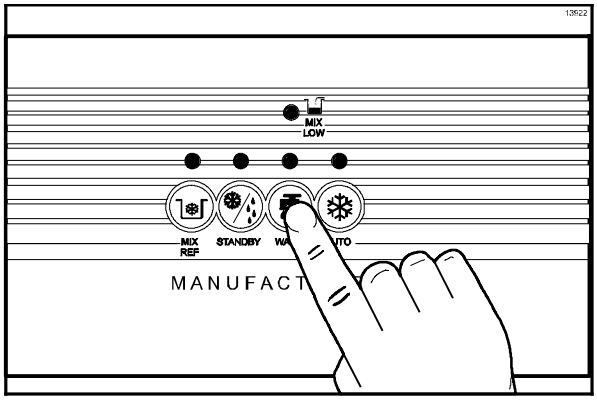


Figure 24

Step 7
Place an empty pail beneath the door spouts.

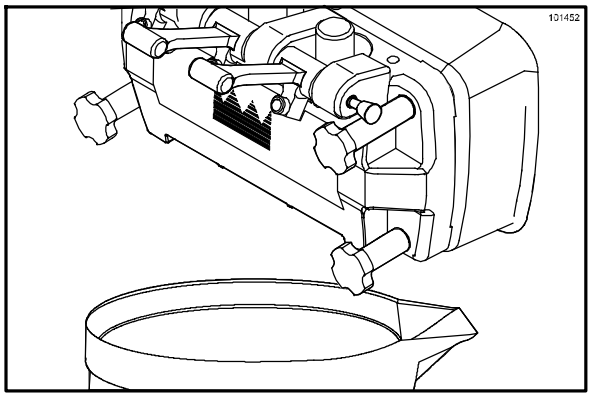
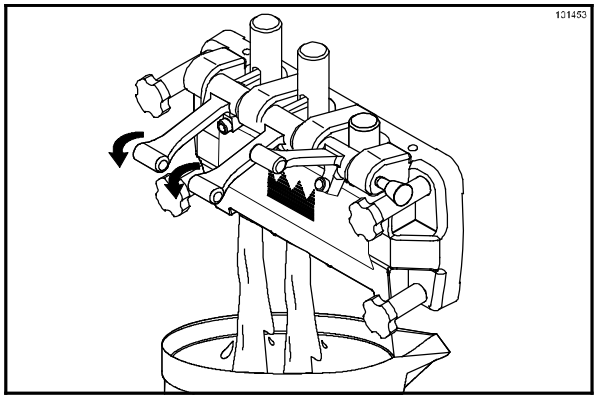


Figure 25

Step 8
Open the center and side draw valve. Draw off all the sanitizing solution.



Step 9
Once the sanitizer stops flowing from the door spouts, raise the draw handles and press the WASH key, cancelling the beater motor operation.

Repeat steps 1 - 9 for the other side of the unit.

Note: You have just sanitized the unit. **Be sure your hands are sanitized** before continuing these instructions.

Priming

Step 1
With a pail beneath the door spouts, lower the center and side draw handle. Pour two gallons (7.6 liters) of fresh mix into the mix hopper 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 spouts, raise the draw handles.

Note: Use only **fresh** mix when priming the freezing cylinder.

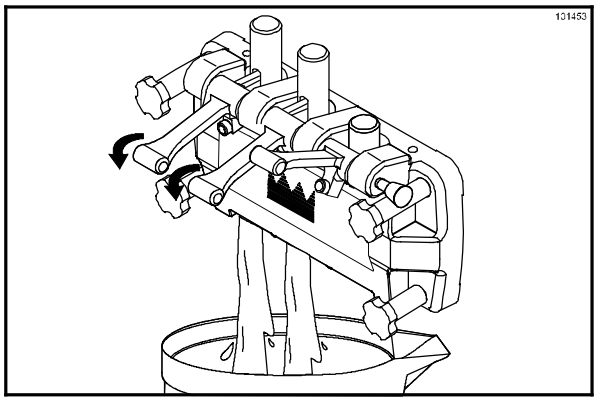


Figure 26

Step 2
Lubricate the o-rings on the end of the air tube that has a small hole on the side.

Step 3
Install the air tube (end with hole on the side) into the mix inlet hole in the mix hopper.

Step 4
Press the AUTO key. The AUTO light will come on indicating that the main refrigeration system is operating. When the unit cycles off, the product will be at serving viscosity. The MIX REF light will come on, indicating the mix refrigeration system is operating to maintain the mix in the mix hopper.

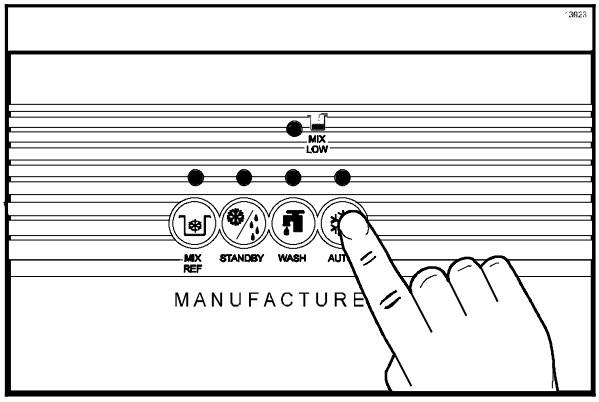


Figure 27

Step 5
Fill the hopper with mix. As the mix level comes in contact with the mix level sensing probe on the rear wall of the hopper, the MIX LOW light will shut off.

Step 6
Place the mix hopper cover in position over the mix hopper.

Repeat steps 1 - 6 for the other side of the unit.

Closing Procedure

At the close of business, all product must be drained from the mix hoppers and the freezing cylinders and the unit must be rinsed, cleaned, disassembled, and brush cleaned. The following items will be needed:

- Two cleaning pails
- Sanitized stainless steel rerun can with lid
- Necessary brushes provided with unit (see page 11)
- Approved cleaning/sanitizing solution with active chlorine concentrate of 100 - 200 PPM
- Single service towels

Draining Product From The Freezing Cylinder

Step 1
Press the AUTO key, cancelling compressor and beater motor operation.

Step 2
Press the MIX REF key, cancelling the mix hopper refrigeration system.

Step 3
Remove the hopper cover and air tube. Take these parts to the sink for cleaning.

Step 4
If local health codes permit the reuse of product mix (rerun), place a sanitized, National Science Foundation (NSF) approved stainless steel rerun container beneath the door spout. Press the WASH key and lower the draw handle. Drain the remaining product from the freezing cylinder and mix hopper. When the flow of product stops, press the WASH key and raise the draw handle. Place the sanitized lid on the rerun container and place it in a refrigerator or walk-in cooler.

Note: If local health codes DO NOT permit the use of rerun, the product must be discarded. Drain the product into a mix pail and properly discard it.

Repeat steps 1 - 4 for the other side of the unit.

ALWAYS FOLLOW LOCAL HEALTH CODES.

Rinsing

Step 1
Pour two gallons (7.6 liters) of cool, clean water into the mix hopper. With the brushes provided, scrub the mix hopper, mix inlet hole and mix level sensing probe.

Step 2
Place a pail beneath the door spouts and press the WASH key.

Step 3
Lower the center and side draw handles. After the rinse water drains from the freezing cylinder, raise the draw handles and press the WASH key, cancelling the WASH mode.

Repeat steps 1 - 3 for the other side of the unit.

Cleaning

Step 1
Prepare a 2-1/2 gallon (9.5 liter) pail of a cleaning/sanitizing solution with an active chlorine concentrate of 100 - 200 PPM (parts per million), approved for use by your company. Use warm water and follow the cleaning/sanitizing solution manufacturer's specifications for dilution.

Step 2
Pour the cleaning solution into the mix hopper.

Step 3
While the solution is flowing into the freezing cylinder, brush clean the mix hopper, mix level sensing probe, and the mix inlet hole.

Step 4
Press the WASH key. This will cause the cleaning solution in the freezing cylinder to agitate. Allow the solution to agitate for five minutes.

Step 5
Place an empty pail beneath the door spouts.

Step 6
Lower the center and side draw handle and draw off all the solution.

Step 7
Once the cleaner stops flowing from the door spouts, raise the draw handles and press the WASH key, cancelling the WASH mode.

Repeat steps 1 - 7 for the other side of the unit.

Disassembly

MAKE SURE POWER SWITCH IS IN THE "OFF" POSITION! Failure to follow this instruction may result in severe personal injury from hazardous moving parts.

Step 1
Remove the handscrews, freezer doors, beaters, scraper blades, and drive shafts from the freezing cylinders. Take these parts to the sink for cleaning.

Step 2
Remove the front drip tray and the splash shield.

Brush Cleaning

Step 1
Prepare a sink of a cleaning/sanitizing solution with an active chlorine concentrate of 100 - 200 PPM, approved for use by your company. Use warm water and follow the cleaning/sanitizing solution manufacturer's specifications for dilution.

IMPORTANT: Follow the label directions. Too STRONG of a solution can cause parts damage, while too MILD of a solution will not provide adequate cleaning. Make sure all brushes provided with the unit are available for brush cleaning.

Step 2
Remove the seals from the drive shafts.

Step 3
From the freezer doors remove:

- gaskets
- front bearings
- pivot pins
- adjustable draw handles
- design caps
- draw valves
- all o-rings

Note: To remove o-rings, use a single service towel to grasp the o-ring. Apply pressure in an upward direction until the o-ring pops out of its groove. With the other hand, push the top of the o-ring forward and it will roll out of the groove and can be easily removed. If there is more than one o-ring to be removed, always remove the rear o-ring first. This will allow the o-ring to slide over the forward rings without falling into the open grooves.

Step 4
Remove the o-rings from the air tubes.

Step 5
Return to the unit with a generous amount of cleaning solution. Brush clean the rear shell bearings at the back of the freezing cylinders with the black bristle brush.

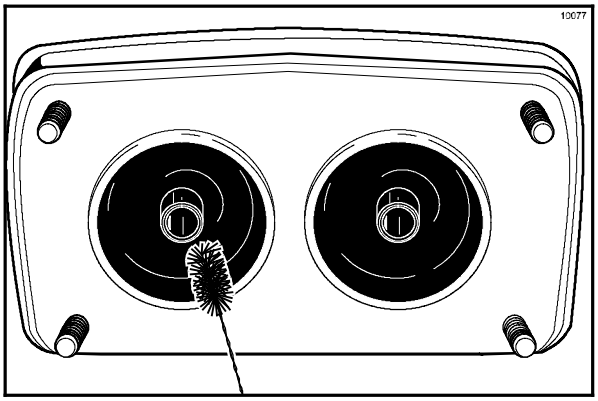


Figure 28

Step 6
Remove the drip pan and take it to the sink for cleaning.

Note: If the drip pan is filled with an excessive amount of mix, refer to the Troubleshooting Guide.

Step 7
Thoroughly brush clean all disassembled parts in the cleaning solution, making sure all lubricant and mix film is removed. Take particular care to brush clean the draw valve cores in the freezer door. Place all cleaned parts on a clean, dry surface to air dry overnight.

Step 8
Wipe clean all exterior surfaces of the unit.

Section 7 Important: Operator Checklist

During Cleaning and Sanitizing

Cleaning and sanitizing schedules are governed by federal, state, or local regulatory agencies, and must be followed accordingly. If the unit has a "Standby mode", it must not be used in lieu of the proper cleaning and sanitizing procedures and frequencies set forth by the ruling health authority. The following check points should be stressed during the cleaning and sanitizing operations.

 **CLEANING AND SANITIZING MUST BE PERFORMED DAILY.**

 **ALWAYS FOLLOW LOCAL HEALTH CODES.**

Troubleshooting Bacterial Count

☐ 1. Thoroughly clean and sanitize the unit daily, including complete disassembly and brush cleaning.

☐ 2. Use all brushes supplied for thorough cleaning. The brushes are specially designed to reach all mix passageways.

☐ 3. Use the white bristle brush to clean the mix inlet hole which extends from the mix hopper down to the rear of the freezing cylinder.

☐ 4. Use the black bristle brush to thoroughly clean the rear shell bearing located at the rear of the freezing cylinder. Be sure to have a generous amount of cleaning solution on the brush.

☐ 5. **If local health codes permit the use of rerun,** make sure the mix rerun is stored in a sanitized, covered stainless steel container and used the following day. **IMPORTANT: The unit must be primed with FRESH mix.** Afterward, during the day's operation, rerun can be combined with fresh mix in a ratio of 50/50. Before using rerun, skim off the foam and discard.

☐ 6. The bacteria cycle must be broken every seven (7) days. On a designated day of the week, run the mix as low as feasible and discard it after closing. This will break the rerun cycle and reduce the possibility of high bacteria and coliform counts.

☐ 7. Properly prepare the approved cleaning and sanitizing solutions. Read and follow label directions carefully. Too strong of a solution may damage the parts and too weak of a solution will not do an adequate job of cleaning or sanitizing.

☐ 8. The temperature of the mix in the mix hopper and walk-in cooler should be below 40°F (4.4°C).

Regular Maintenance Checks

☐ 1. Replace scraper blades that are nicked or damaged. Before installing the beater assembly, be certain that the scraper blades are properly attached to the helix.

☐ 2. Check the rear shell bearing for signs of wear (excessive mix leakage in drip pan) and be certain it is properly cleaned.

☐ 3. Using a generous amount of cleaning solution and the black bristle brush, brush clean the rear shell bearings and hex drive couplings at the back of the freezing cylinders to keep them clean and free of lubricant and mix deposits.

☐ 4. Dispose of o-rings and seals if they are worn, torn, or fit too loosely, and replace with new ones.

☐ 5. Follow all lubricating procedures as outlined in the "Assembly" section.

☐ 6. If your unit is air cooled, check the condensers for an accumulation of dirt and lint. Dirty condensers will reduce the efficiency and capacity of the unit. Condensers should be cleaned at least once a month with a soft brush. **Never use screwdrivers or other metal probes to clean between the condenser fins.** Failure to follow this instruction may result in electrocution.

Note: For units equipped with an air filter, it will be necessary to vacuum the filters clean at least once a month.

 **Caution: Always disconnect electrical power prior to cleaning the condenser.** Failure to follow this instruction may result in electrocution.

☐ 7. If your unit is equipped with an auxiliary refrigeration system, check the auxiliary condenser for accumulation of dirt and lint. Dirty condensers will reduce the refrigeration capacity of the mix hopper. Condensers must be cleaned monthly with a soft brush. **Never use screwdrivers or other metal probes to clean between the fins.** Failure to follow this instruction may result in electrocution.

 **Caution: Always disconnect electrical power prior to cleaning the condenser.** Failure to follow this instruction may result in electrocution.

☐ 8. If your unit is water cooled, check the water lines for kinks or leaks. Kinks can occur when the unit is moved back and forth for cleaning or maintenance purposes. Deteriorated or cracked water lines should be replaced only by an authorized Taylor service technician.

Winter Storage

If the place of business is to be closed during the winter months or for any extended period of time, it is important to protect the unit by taking certain precautions, particularly if the building is to be left unheated and subject to freezing conditions.

Disconnect the unit from the main power source to prevent possible electrical damage.

On water cooled units, disconnect the water supply. Relieve pressure on the spring in the water valve. Use air pressure on the outlet side to blow out any water remaining in the condenser. **This is extremely important.** Failure to follow this procedure may cause severe and costly damage to the refrigeration system.

Your local authorized Taylor distributor can perform this service for you.

Wrap detachable parts of the unit with plastic wrap or shrink wrap, including, but not limited to, the beater, blades, drive shaft, and freezer door. Place those parts in a protected, dry place. Rubber trim parts and gaskets can be protected by wrapping with moisture-proof paper. Before such storage, all parts should be thoroughly cleaned of dried mix or lubrication accumulations which attract mice and other vermin.

Section 8 Troubleshooting Guide

PROBLEM	POSSIBLE CAUSE	REMEDY	PAGE REF.
1. No product is being dispensed with draw valve open and the unit in the AUTO mode.	a. There is inadequate mix in the mix hopper.	a. Fill the mix hopper with mix.	20
	b. Beater motor out on reset.	b. Reset the unit.	13
	c. The circuit breaker is off or the fuse is blown.	c. Turn the breaker on / replace the fuse.	- - -
	d. Freeze-up in mix inlet hole.	d. Call authorized service technician to adjust the mix hopper temperature.	- - -
	e. The beater is rotating counterclockwise from the operator end.	e. Contact authorized service technician to correct rotation to clockwise from operator end.	- - -
2. The product is too stiff.	a. The viscosity needs adjustment.	a. Contact authorized service technician.	- - -
3. The product is too soft.	a. Mix is out of date.	a. Use only fresh mix.	- - -
	b. Worn scraper blades.	b. Replace regularly.	28
	c. Not enough air space around unit (air cooled units).	c. Allow for adequate air flow across the condenser.	7
	d. Dirty condenser (air cooled units).	d. Clean monthly.	24
	e. Loss of water (water cooled units).	e. Locate cause of water loss and correct.	24
	f. Viscosity needs adjustment.	f. Contact authorized service technician.	- - -
4. The mix in the mix hopper is too cold.	a. The temperature is out of adjustment.	a. Call authorized service technician to adjust the mix hopper temperature.	- - -

PROBLEM	POSSIBLE CAUSE	REMEDY	PAGE REF.
5. The mix in the mix hopper is too warm.	a. The mix hopper cover is not in position.	a. Place the cover in position.	20
	b. The MIX REF light is not lit.	b. Press the MIX REF key.	13
	c. The temperature is out of adjustment.	c. Call authorized service technician to adjust the mix hopper temperature.	- - -
6. The drive shaft is stuck in the drive coupling.	a. Mix and lubricant have collected in the drive coupling.	a. Brush clean the rear shell bearing area regularly.	22
	b. Rounded corners of drive shaft, coupling, or both.	b. Call authorized service technician to correct the cause, and to replace the necessary components. Do not lubricate the hex end of the drive shaft.	- - -
7. The freezing cylinder walls are scored.	a. The front bearing is missing or worn on the freezer door.	a. Install or replace the front bearing.	15
	b. The beater assembly is bent.	b. Call authorized service technician to repair or replace the beater and to correct the cause of insufficient mix in the freezing cylinder.	- - -
8. Excessive mix leakage into the drip pan.	a. Missing or worn drive shaft seal on drive shaft.	a. Install or replace regularly.	14 / 28
	b. The rear shell bearing is worn.	b. Call authorized service technician to replace rear shell bearing.	- - -
9. Excessive mix leakage from door spout.	a. Missing or worn draw valve o-rings.	a. Install or replace regularly.	16 / 28
	b. Inadequate lubrication of draw valve o-rings.	b. Lubricate properly.	16
	c. Wrong type of lubricant is being used (example: petroleum base lubricant).	c. Use the proper lubricant (example: Taylor Lube).	14
10. No freezer operation after pressing the AUTO key.	a. The beater motor is out on reset.	a. Reset the unit.	13
	b. Unit is unplugged.	b. Plug into wall receptacle.	- - -
	c. The circuit breaker is off or the fuse is blown.	c. Turn the breaker on, or replace the fuse.	- - -

PROBLEM	POSSIBLE CAUSE	REMEDY	PAGE REF.
11. Product is not feeding into the freezing cylinder.	a. Inadequate level of mix in the mix hopper.	a. Fill the mix hopper with mix.	20
	b. The air tube is installed incorrectly.	b. Make sure the end of the air tube with the small hole in the side is installed in the mix inlet hole.	20
	c. The mix inlet hole is frozen up.	c. The mix hopper temperature needs adjustment. Call authorized service technician.	- - -

Section 9 Parts Replacement Schedule

The following wear items should be replaced by the operator per the schedule below.

PART DESCRIPTION	EVERY 3 MONTHS	EVERY 6 MONTHS	ANNUALLY
Drive Shaft Seal	X		
Scraper Blade	X		
Freezer Door Gasket	X		
Front Bearing	X		
Draw Valve O- Ring	X		
Pivot Pin O- Ring	X		
Air Tube O- Ring	X		
White Bristle Brush, 3” x 7”		Inspect & Replace if Necessary	Minimum
White Bristle Brush, 1” x 2”		Inspect & Replace if Necessary	Minimum
Black Bristle Brush, 1” x 2”		Inspect & Replace if Necessary	Minimum
Double- Ended Brush		Inspect & Replace if Necessary	Minimum

Refer to Parts List on page 34 when ordering the above parts.

Section 10 Limited Warranty on Equipment

TAYLOR COMPANY LIMITED WARRANTY ON FREEZERS

Taylor Company, a division of Carrier Commercial Refrigeration, Inc. ("Taylor") is pleased to provide this limited warranty on new Taylor-branded freezer equipment available from Taylor to the market generally (the "Product") to the original purchaser only.

LIMITED WARRANTY

Taylor warrants the Product against failure due to defect in materials or workmanship under normal use and service as follows. All warranty periods begin on the date of original Product installation. If a part fails due to defect during the applicable warranty period, Taylor, through an authorized Taylor distributor or service agency, will provide a new or re-manufactured part, at Taylor's option, to replace the failed defective part at no charge for the part. Except as otherwise stated herein, these are Taylor's exclusive obligations under this limited warranty for a Product failure. This limited warranty is subject to all provisions, conditions, limitations and exclusions listed below and on the reverse (if any) of this document.

Product	Part	Limited Warranty Period
Soft Serve	Insulated shell assembly	Five (5) years
Frozen Yogurt Shakes	Refrigeration compressor (except service valve)	Five (5) years
Smoothies	Beater motors	Two (2) years
Frozen Beverage	Beater drive gear	Two (2) years
Batch Desserts	Printed circuit boards and Softech controls beginning with serial number H8024200	Two (2) years
	Parts not otherwise listed in this table or excluded below	One (1) year

LIMITED WARRANTY CONDITIONS

1. If the date of original installation of the Product cannot be verified, then the limited warranty period begins ninety (90) days from the date of Product manufacture (as indicated by the Product serial number). Proof of purchase may be required at time of service.
2. This limited warranty is valid only if the Product is installed and all required service work on the Product is performed by an authorized Taylor distributor or service agency, and only if genuine, new Taylor parts are used.
3. Installation, use, care, and maintenance must be normal and in accordance with all instructions contained in the Taylor Operator's Manual.
4. Defective parts must be returned to the authorized Taylor distributor or service agency for credit.
5. The use of any refrigerant other than that specified on the Product's data label will void this limited warranty.

LIMITED WARRANTY EXCEPTIONS

This limited warranty does **not** cover:

1. Labor or other costs incurred for diagnosing, repairing, removing, installing, shipping, servicing or handling of defective parts, replacement parts, or new Products.
2. Normal maintenance, cleaning and lubrication as outlined in the Taylor Operator's Manual, including cleaning of condensers.

3. Replacement of wear items designated as Class “000” parts in the Taylor Operator’s Manual.
4. External hoses, electrical power supplies, and machine grounding.
5. Parts not supplied or designated by Taylor, or damages resulting from their use.
6. Return trips or waiting time required because a service technician is prevented from beginning warranty service work promptly upon arrival.
7. Failure, damage or repairs due to faulty installation, misapplication, abuse, no or improper servicing, unauthorized alteration or improper operation or use as indicated in the Taylor Operator’s Manual, including but not limited to the failure to use proper assembly and cleaning techniques, tools, or approved cleaning supplies.
8. Failure, damage or repairs due to theft, vandalism, wind, rain, flood, high water, water, lightning, earthquake or any other natural disaster, fire, corrosive environments, insect or rodent infestation, or other casualty, accident or condition beyond the reasonable control of Taylor; operation above or below the electrical or water supply specification of the Product; or components repaired or altered in any way so as, in the judgment of the Manufacturer, to adversely affect performance, or normal wear or deterioration.
9. Any Product purchased over the Internet.
10. Failure to start due to voltage conditions, blown fuses, open circuit breakers, or damages due to the inadequacy or interruption of electrical service.
11. Electricity or fuel costs, or increases in electricity or fuel costs from any reason whatsoever.
12. Damages resulting from the use of any refrigerant other than that specified on the Product’s data label will void this limited warranty.
13. Any cost to replace, refill or dispose of refrigerant, including the cost of refrigerant.
14. **ANY SPECIAL, INDIRECT OR CONSEQUENTIAL PROPERTY OR COMMERCIAL DAMAGE OF ANY NATURE WHATSOEVER.** Some jurisdictions do not allow the exclusion of incidental or consequential damages, so this limitation may not apply to you.

This limited warranty gives you specific legal rights, and you may also have other rights which vary from jurisdiction to jurisdiction.

LIMITATION OF WARRANTY

THIS LIMITED WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, CONDITIONS AND/OR REMEDIES UNDER THE LAW, INCLUDING ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE ORIGINAL OWNER'S SOLE REMEDY WITH RESPECT TO ANY PRODUCTS SHALL BE REPAIR OR REPLACEMENT OF DEFECTIVE COMPONENTS UNDER THE TERMS OF THIS LIMITED WARRANTY. ALL RIGHTS TO CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING CLAIMS FOR LOST SALES, LOST PROFITS, PRODUCT LOSS, PROPERTY DAMAGES OR SERVICE EXPENSES) ARE EXPRESSLY EXCLUDED. THE EXPRESS WARRANTIES MADE IN THIS LIMITED WARRANTY MAY NOT BE ALTERED, ENLARGED, OR CHANGED BY ANY DISTRIBUTOR, DEALER, OR OTHER PERSON, WHATSOEVER.

LEGAL REMEDIES

The owner **must** notify Taylor in writing, by certified or registered letter to the following address, of any defect or complaint with the Product, stating the defect or complaint and a specific request for repair, replacement, or other correction of the Product under warranty, mailed at least thirty (30) days before pursuing any legal rights or remedies.

Taylor Company
a division of Carrier Commercial Refrigeration, Inc.
750 N. Blackhawk Blvd.
Rockton, IL 61072, U.S.A.

Section 11 Limited Warranty on Parts

TAYLOR COMPANY LIMITED WARRANTY ON TAYLOR GENUINE PARTS

Taylor Company, a division of Carrier Commercial Refrigeration, Inc. (“Taylor”) is pleased to provide this limited warranty on new Taylor genuine replacement components and parts available from Taylor to the market generally (the “Parts”) to the original purchaser only.

LIMITED WARRANTY

Taylor warrants the Parts against failure due to defect in materials or workmanship under normal use and service as follows. All warranty periods begin on the date of original installation of the Part in the Taylor unit. If a Part fails due to defect during the applicable warranty period, Taylor, through an authorized Taylor distributor or service agency, will provide a new or re-manufactured Part, at Taylor’s option, to replace the failed defective Part at no charge for the Part. Except as otherwise stated herein, these are Taylor’s exclusive obligations under this limited warranty for a Part failure. This limited warranty is subject to all provisions, conditions, limitations and exclusions listed below and on the reverse (if any) of this document.

Part's Warranty Class Code or Part	Limited Warranty Period
Class 103 Parts[1]	Three (3) months
Class 212 Parts[2]	Twelve (12) months
Class 512 Parts	Twelve (12) months
Class 000 Parts	No warranty
Taylor Part #072454 (Motor-24VDC *C832/C842*)	Four (4) years

LIMITED WARRANTY CONDITIONS

1. If the date of original installation of the Part cannot be otherwise verified, proof of purchase may be required at time of service.
2. This limited warranty is valid only if the Part is installed and all required service work in connection with the Part is performed by an authorized Taylor distributor or service agency.
3. The limited warranty applies only to Parts remaining in use by their original owner at their original installation location in the unit of original installation.
4. Installation, use, care, and maintenance must be normal and in accordance with all instructions contained in the Taylor Operator’s Manual.
5. Defective Parts must be returned to the authorized Taylor distributor or service agency for credit.
6. This warranty is not intended to shorten the length of any warranty coverage provided pursuant to a separate Taylor Limited Warranty on freezer or grill equipment.
7. The use of any refrigerant other than that specified for the unit in which the Part is installed will void this limited warranty.

[1, 2] Except that Taylor Part #032129SER2 (Compressor-Air-230V SERV) and Taylor Part #075506SER1 (Compressor-Air-115V 60HZ) shall have a limited warranty period of twelve (12) months when used in Taylor freezer equipment and a limited warranty period of two (2) years when used in Taylor grill equipment.

LIMITED WARRANTY EXCEPTIONS

This limited warranty does **not** cover:

1. Labor or other costs incurred for diagnosing, repairing, removing, installing, shipping, servicing or handling of defective Parts, replacement Parts, or new Parts.
2. Normal maintenance, cleaning and lubrication as outlined in the Taylor Operator's Manual, including cleaning of condensers or carbon and grease buildup.
3. Required service, whether cleaning or general repairs, to return the cooking surface assemblies, including the upper platen and lower plate, to an operational condition to achieve proper cooking or allow proper assembly of release sheets and clips as a result of grease build-up on the cooking surfaces, including but not limited to the platen and plate, sides of the shroud or top of the shroud.
4. Replacement of cooking surfaces, including the upper platen and lower plate, due to pitting or corrosion (or in the case of the upper platen, due to loss of plating) as a result of damage due to the impact of spatulas or other small wares used during the cooking process or as a result of the use of cleaners, cleaning materials or cleaning processes not approved for use by Taylor.
5. Replacement of wear items designated as Class "000" Parts in the Taylor Operator's Manual, as well as any release sheets and clips for the Product's upper platen assembly.
6. External hoses, electrical power supplies, and machine grounding.
7. Parts not supplied or designated by Taylor, or damages resulting from their use.
8. Return trips or waiting time required because a service technician is prevented from beginning warranty service work promptly upon arrival.
9. Failure, damage or repairs due to faulty installation, misapplication, abuse, no or improper servicing, unauthorized alteration or improper operation or use as indicated in the Taylor Operator's Manual, including but not limited to the failure to use proper assembly and cleaning techniques, tools, or approved cleaning supplies.
10. Failure, damage or repairs due to theft, vandalism, wind, rain, flood, high water, water, lightning, earthquake or any other natural disaster, fire, corrosive environments, insect or rodent infestation, or other casualty, accident or condition beyond the reasonable control of Taylor; operation above or below the gas, electrical or water supply specification of the unit in which a part is installed; or Parts or the units in which they are installed repaired or altered in any way so as, in the judgment of Taylor, to adversely affect performance, or normal wear or deterioration.
11. Any Part purchased over the Internet.
12. Failure to start due to voltage conditions, blown fuses, open circuit breakers, or damages due to the inadequacy or interruption of electrical service.
13. Electricity, gas or other fuel costs, or increases in electricity or fuel costs from any reason whatsoever.
14. Damages resulting from the use of any refrigerant other than that specified for the unit in which the Part is installed will void this limited warranty.
15. Any cost to replace, refill or dispose of refrigerant, including the cost of refrigerant.
16. **ANY SPECIAL, INDIRECT OR CONSEQUENTIAL PROPERTY OR COMMERCIAL DAMAGE OF ANY NATURE WHATSOEVER.** Some jurisdictions do not allow the exclusion of incidental or consequential damages, so this limitation may not apply to you.

This limited warranty gives you specific legal rights, and you may also have other rights which vary from jurisdiction to jurisdiction.

LIMITATION OF WARRANTY

THIS LIMITED WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, CONDITIONS AND/OR REMEDIES UNDER THE LAW, INCLUDING ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE ORIGINAL OWNER'S SOLE REMEDY WITH RESPECT TO ANY PRODUCTS SHALL BE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS UNDER THE TERMS OF THIS LIMITED WARRANTY. ALL RIGHTS TO CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING CLAIMS FOR LOST SALES, LOST PROFITS, PRODUCT LOSS, PROPERTY DAMAGES OR SERVICE EXPENSES) ARE EXPRESSLY EXCLUDED. THE EXPRESS WARRANTIES MADE IN THIS LIMITED WARRANTY MAY NOT BE ALTERED, ENLARGED, OR CHANGED BY ANY DISTRIBUTOR, DEALER, OR OTHER PERSON, WHATSOEVER.

LEGAL REMEDIES

The owner **must** notify Taylor in writing, by certified or registered letter to the following address, of any defect or complaint with the Part, stating the defect or complaint and a specific request for repair, replacement, or other correction of the Part under warranty, mailed at least thirty (30) days before pursuing any legal rights or remedies.

Taylor Company
a division of Carrier Commercial Refrigeration, Inc.
750 N. Blackhawk Blvd.
Rockton, IL 61072, U.S.A.

MODEL 793 - 079333FNDC 208-230V 60HZ 3PH - 3 WIRE A/C-BRISTOL-(R404A)

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
ADAPTOR A.-CASTER	X18915	4	103	
BEAD-RUBBER	010613-6	1	000	
BEARING-FRONT	050216	2	000	
BEARING-REAR SHELL	031324	2	000	
+GUIDE-DRIP SEAL	028992	2	000	
+NUT-BEARING	028991	2	000	
+WASHER-BEARING LOCK	012864	2	000	
BEATER ASSEMBLY	X31761	2	103	
+BLADE-SCRAPER	035174	4	000	
BELT-AX31	041575	4	000	
BLOCK-TERMINAL-3 P	039423	2	103	
+SCREW-8X1 1/4 PHLP HD RD B S	039420	4	000	
BLOWER ASSEMBLY	X53725-27	1	103	
MOTOR-BLOWER	053481-27	1	103	
CAPACITOR-RUN 7.5UF/370V	034749	1	103	
BOOT-CAPACITOR-INSULATING	031314	1	000	
BOARD-LOGIC-GEN 2.11-W/CHIME	X38523SER2	2	212	
+SWITCH-MEMBRANE-5 POSITION	043217	2	000	
BOARD-POWER-GEN 1 & 2	X69574-SER	1	212	
BOX A.-SPINNER MOTOR *L	X82079	1	103	
BOX A.-SPIN'R MTR MT	X82122	1	103	
HARNESS-WIRE*C793*SPINNER BOX	082081	1	103	
LABEL-WARN-ELEC-SGL-SMALL	032717	1	000	
NUT-8-32 HEX M/S NUT SMALL	000969	1	000	
PLATE-COVER-SPINNER BOX	065689	1	103	
SCREW-10-32X3/8 SLTD ROUND	006749	4	000	
WASHER-#8 EXTERNAL TOOTH LOC	000964	1	000	

+ Available Separately

+ Available Separately

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
BOX A.-SPINNER MOTOR *R	X82080	1	103	
BOX A.-SPIN'R MTR MT	X82122	1	103	
HARNESS-WIRE*C793*SPINNER BOX	082081	1	103	
LABEL-WARN-ELEC-SGL-SMALL	032717	1	000	
NUT-8-32 HEX M/S NUT SMALL	000969	1	000	
PLATE-COVER-SPINNER BOX	065689	1	103	
SCREW-10-32X3/8 SLTD ROUND	006749	4	000	
WASHER-#8 EXTERNAL TOOTH LOCK	000964	1	000	
BRUSH-BLACK (1" X 2")	013071	1	000	
BRUSH-DOUBLE END	013072	1	000	
BRUSH-WHITE (1" X 2")	013073	1	000	
BRUSH-WHITE (3" X 7")	023316	1	000	
BUSHING-PANEL	013289	4	103	
BUSHING-PANEL	013289	2	103	
BUSHING-RUBBER MOUNT	012258	4	103	
BUSHING-SNAP 11/16 ID X 7/8	010548	2	103	
BUSHING-SNAP 15/16 ID X 1-3/	023396	2	103	
BUSHING-SPLIT .500ID X .625O	072207	2	103	
CABLE-RIBBON-PWR/RELAY	069473-60	2	103	
CAP-DESIGN	014218	1	000	
CAPACITOR-RUN 7.5UF/370V	034749	1	103	
CAPACITOR-START 60UF-220/275	047703	1	103	
CASTER-SWIVEL	018794	2	103	
CASTER-4" SWV 5/8 STEM W/BRA	034081	2	103	
COLLAR-HOLDING .730DX.109	019481	12	103	
COMPRESSOR L63A113DBLA	048259-33	2	512	
COMPRESSOR-AUXILIARY	047701-27	1	512	

+ Available Separately

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
+CAPACITOR-START	047703	1	103	
+RELAY-START	047702-27	1	103	
+COVER-TERMINAL-COMPRESSOR	047739	1	103	
+KIT-MOUNTING-COMPRESSOR	047704	1	000	
CONDENSER-AUXILIARY	027155	1	103	
CONDENSER-MAIN	048233	2	103	
COUPLING-DRIVE	012721	2	103	
CORD-POWER 250V 30A *794C	080659-33	1	103	
CORD-POWER 250V 20A *794C	080660-33	1	103	
+SHIELD-POWER CORD	082163	2	000	
COVER-MIX HOPPER	041682-GRY	2	103	
DECAL-DEC-TAYLOR	045812-CF	2	000	
DECAL-DOOR-3 SPOUT-TWIN TWIST	021521	1	000	
DECAL-INST-CLN HPR	019029	1	000	
DECAL-TROUBLESHOOT	038374	1	000	
DEFLECTOR A.-EXHAUST	X68702	1	103	
+SCREW-10-32X1/2 SERRATED HWH	020982	2	000	
DIAGRAM-WIRING *793*	082065-33	1	000	
DOOR A.-3 SPT*794*CHK-FIL-A	X68971-SER	1	103	
DOOR A.-3 SPT*794* CHK-FIL-A	X68966	1	103	
BAFFLE A.-LONG 4 IN W/RAD TH	X50882	2	103	
BEARING-FRONT	050216	2	000	
DECAL-DOOR-3 SPOUT-TWIN TWIST	021521	1	000	
GASKET-DOOR HT 4"-DOUBLE	048926	2	000	
HANDLE A.-DRAW NONADJUSTABLE	X80916	3	103	
SCREW-ADJUSTMENT-5/16-24X0.6	069014	1	000	
O-RING-1/4 OD X .070W 50 DUR	015872	1	000	

+ Available Separately

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
ROD A.-PIVOT	X20683	1	103	
O-RING-5/16 OD X .070W	016272	1	000	
VALVE A.-DRAW	X68969	2	103	
O-RING-1-1/16 OD X.139W	020571	4	000	
VALVE A.-DRAW	X69799	1	103	
O-RING-13/16 OD X .103W	019330	2	000	
DRYER-CAPILLARY	047699	1	000	
DRYER-FILTER	048901	2	000	
DVD-OPS-TRAIN-SS-SOFTECH	038047-DVD	1	000	
EYELET-RESET BUTTON	013739	2	103	
FILTER-EMI 115/250V 50/60	064173-1	1	000	
GASKET-FREEZER DOOR	048926	2	000	
GEAR-REDUCER	021286-SER	2	212	
GUIDE A.-DRIP PAN	X45691	1	103	
HANDLE-PULL *794*	080701	1	103	
+BOLT-EYE 1/4-20 X 3/4 ID	080702	2	000	
+NUT-LOCK ELEC 3/4"	081053	2	000	
+WASHER-1/4 MEDIUM SPLIT LOCK	018954	2	000	
+WASHER-1/4 USS FLAT CR3	000655	2	000	
HARNESS-WIRE-DANFOSS *794*	067147-27	1	103	
HARNESS-WIRE-BLOWER AC *794*	068646	1	103	
HARNESS-WIRE-BEATER MTR*C71	066440-33G	2	103	
HARNESS-WIRE-COMPRESSOR*794*	068644-33	2	103	
HARNESS-WIRE-CNTRL SWITCH*79	068645	1	103	
KIT A.-AIR DEFLECTOR	X80777	1	103	
DEFLECTOR A.-EXHAUST	X68702	1	103	
SCREW-10-32X1/2 SERRATED HWH	020982	2	000	

+ Available Separately

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
INSTRUCTION-DEFLECTOR	068702-INS	1	000	
CLAMP-LOOP-3/4 O.D. GALVANIZ	070846	2	000	
KIT A.-TUNE UP-3 SPOUT-CFA	X69492	1	000	
BEARING-FRONT	050216	2	000	
CAP-DESIGN 1.010"ID-6 POINT	014218	1	000	
GASKET-DOOR HT 4"-DOUBLE	048926	2	000	
O-RING-.643 OD X .077W	018572	8	000	
O-RING-1-1/16 OD X.139W	020571	4	000	
O-RING-13/16 OD X .103W	019330	2	000	
O-RING-5/16 OD X .070W	016272	1	000	
SEAL-DRAW VALVE	034698	1	000	
SEAL-DRIVE SHAFT	032560	2	000	
TOOL-O-RING REMOVAL-FREEZER	048260	1	000	
KIT-MOUNTING-COMPRESSOR	047704	1	000	
LABEL-ATTN SVC ENG	015068	2	000	
LABEL-CAUTION-GRD-CORD	032165	2	000	
LABEL-CK MTR ROTATE-CW-ENG/SPN	020090	1	000	
LABEL-FLAVOR	036693	2	000	
LABEL-WARN-CONDENSER-SHARP	059287	3	000	
LABEL-WARN-COVER	051433	4	000	
LABEL-WARN-ELEC-SGL-SMALL	032717	2	000	
LABEL-WARN-ELEC-TW-SMALL	032718	1	000	
LABEL-SWITCH-POWER-OFF/ON SYMBOLS	052632	1	000	
LIP-DRIP-NOSE CONE-TWIN	036434	1	000	
LUBRICANT-TAYLOR 4 OZ.	047518	1	000	
MAN-OPER	082304CFAM	1	000	
MOTOR-1.5 HP	021522-33	2	212	

+ Available Separately

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
MOTOR A.-FAN	X69411-27	1	103	
MOTOR-BLOWER	053481-27	1	103	
+CAPACITOR-RUN 7.5UF/370V	034749	1	103	
+BOOT-CAPACITOR-INSULATING	031314	1	000	
MOTOR-FAN 95.3 CFM 2700 RPM (CONDENSER)	062253-27	1	103	
+HARNESS-WIRE-DANFOSS *794*	067147-27	1	103	
+SHROUD-DANFOSS	027386	1	103	
STUD-NOSE CONE	022822	4	103	
NUT-STUD (LONG)	034382	2	103	
NUT-STUD (SHORT)	034383	2	103	
PAIL	013163	1	000	
PAN-DRIP	035034	1	103	
PAN A.-HINGED DRIP	X41844	1	103	
PANEL A.-FRONT *794*	X41820-SP2	1	103	
PANEL A.-SIDE *794* LEFT	X82284	1	103	
PANEL A.-SIDE *794* RIGHT	X82285	1	103	
PANEL-REAR *794*	041855	1	103	
PANEL-SERVICE	064000	1	103	
PLATE-DEC-794*	041854-CF	1	103	
PLUG-HOLE 7/8 DIA. BLACK	010077	6	000	
PLUG-HOLE 1-3/4 DIA.	027132	1	000	
PLUG-HOLE 1 DIA-BLK PLASTIC	027143	2	000	
PROBE A.-MIX	X30922	2	103	
+DISC	030965	2	103	
+SPACER	030966	2	103	
PROBE A.-THERMISTOR - BARREL	X31602	2	103	
PROBE A.-THERMISTOR - HOPPER	X50717	1	103	

+ Available Separately

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
PULLEY (BEATER MOTOR)	016403	2	103	
PULLEY (GEAR)	027822	2	103	
RELAY-3 POLE-20A-208/240 50/60	066795-33	2	103	
RELAY-DPDT 100UA TO 7A 1/8HP	052111-03	1	103	
RELAY-SPDT-30A-240V (A/C)	032607-27	1	103	
SCREW-10-32X1-1/4 SLTD OVAL	066934	12	000	
SHAFT-BEATER DRIVE	032564	2	103	
+SEAL-DRIVE SHAFT	032560	2	000	
SHELL A.-INSULATED*794*MIX OUT	X68678SSP4	1	512	
STUD-NOSE CONE	022822	4	103	
SHIELD-SPLASH	022765	1	103	
SHROUD-CONDENSER-REAR	068693	1	000	
SHROUD-CONDENSER-FRONT	068694	1	000	
SHROUD-CONDENSER-TOP	068695	1	000	
STANDOFF-COLLAR	066928	12	000	
+SCREW-10-32X1-1/4 SLTD OV	066934	12	000	
STARTER-3 PHASE 4 TO 6.5 AMP	066794-33J	2	103	
OVERLOAD-THERMAL-3P-4.0/6.5A	067461-3J	2	103	
STUD-NOSE CONE	022822	4	103	
SWITCH-LEVER-SPDT-11A-125-27	039252	2	103	
SWITCH-PRESSURE 440 PSI (A/C)	048230	2	103	
SWITCH-REED*DOOR INTERLOCK*6	056771	1	103	
SWITCH-TOGGLE (POWER SWITCH)	037394	1	103	
SWITCH A.-DRAW *SELF CLOSING*	X69821	1	103	
ARM-DRAW SWITCH-LEFT	069166	1	103	
ARM-DRAW SWITCH-RIGHT	069167	1	103	
BRACKET A.-SPRING-RETURN	X69481	1	103	

+ Available Separately

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
BRACKET A.-SWITCH *338/39/75	X69388	1	103	
E-RING 1/4 BLACK PHOS	032190	3	000	
PIN-PIVOT-DRAW SWITCH	038484	1	103	
ROD-SPRING RETAINER	038254-SP	1	103	
SCREW-8-32X3/8 SLOT HEX WASH	039267	2	000	
SCREW-ADJUSTMENT-DRAW PADDLE	069374	2	000	
SPRING-EXTENSION.467X.062X1.	069392	2	103	
SPRING-RETURN-LEFT-TWIN TWIS	038923	1	103	
SPRING-RETURN-RIGHT-TWIN TWI	038924	1	103	
SWITCH A.-DRAW-TWIN TWIST	X39269	1	103	
BRACKET-SWITCH-DRAW-TWIN	039264	1	103	
SCREW-4-40X1/2 HEX HEAD-3/16	042604	4	000	
SWITCH-LEVER-SPDT-11A-125-27	039252	2	103	
SWITCH A.-REED INTERLOCK DOOR	X65658	1	103	
SWITCH-REED*DOOR INTERLOCK*6	056771	1	103	
SPRING-INTERLOCK DOOR	065409	1	000	
TRAY-FRONT DRIP	020157	1	103	
TRIM-CORNER-REAR-R	068689-SP2	1	103	
TRIM-CORNER-REAR-L	068690-SP2	1	103	
TUBE-FEED-SS	081718-5	2	103	
+O-RING	018572	8	000	
VALVE-ACCESS-1/4 MFLX1/4 S-90	047016	3	103	
VALVE-ACCESS-1/4FL X 1/4SOLDER	044404	1	103	
VALVE-ACCESS-1/4FL X 3/8SOLDER	043232	2	103	
VALVE-EPR 1/4S	022665	1	103	
VALVE-EXP-AUTO-1/4S X1/4 FPT	046365	2	103	
+BOOT-EXPANSION VALVE	050900	2	000	

+ Available Separately

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
WATER COOLED - 079333RNDC 208-230V 60HZ 3PH - 3 WIRE W/C-BRISTOL-(R404A)				
BLOWER-100 CFM	012796-27	1	103	
+GUARD-BLOWER	022505	1	103	
CONDENSER-WC-COAX	048287	2	103	
FITTING A.-WATER OUTLET	X69476	1	103	
PIPE TEE 3/8-WATER VALVE	032953	1	103	
PLUG-HOLE 1-3/8 DIA.-BLACK	053361	2	000	
SWITCH-PRESSURE 350 PSI-S	048231	2	103	
VALVE-WATER 3/8 REG/HEAD	046686	2	103	

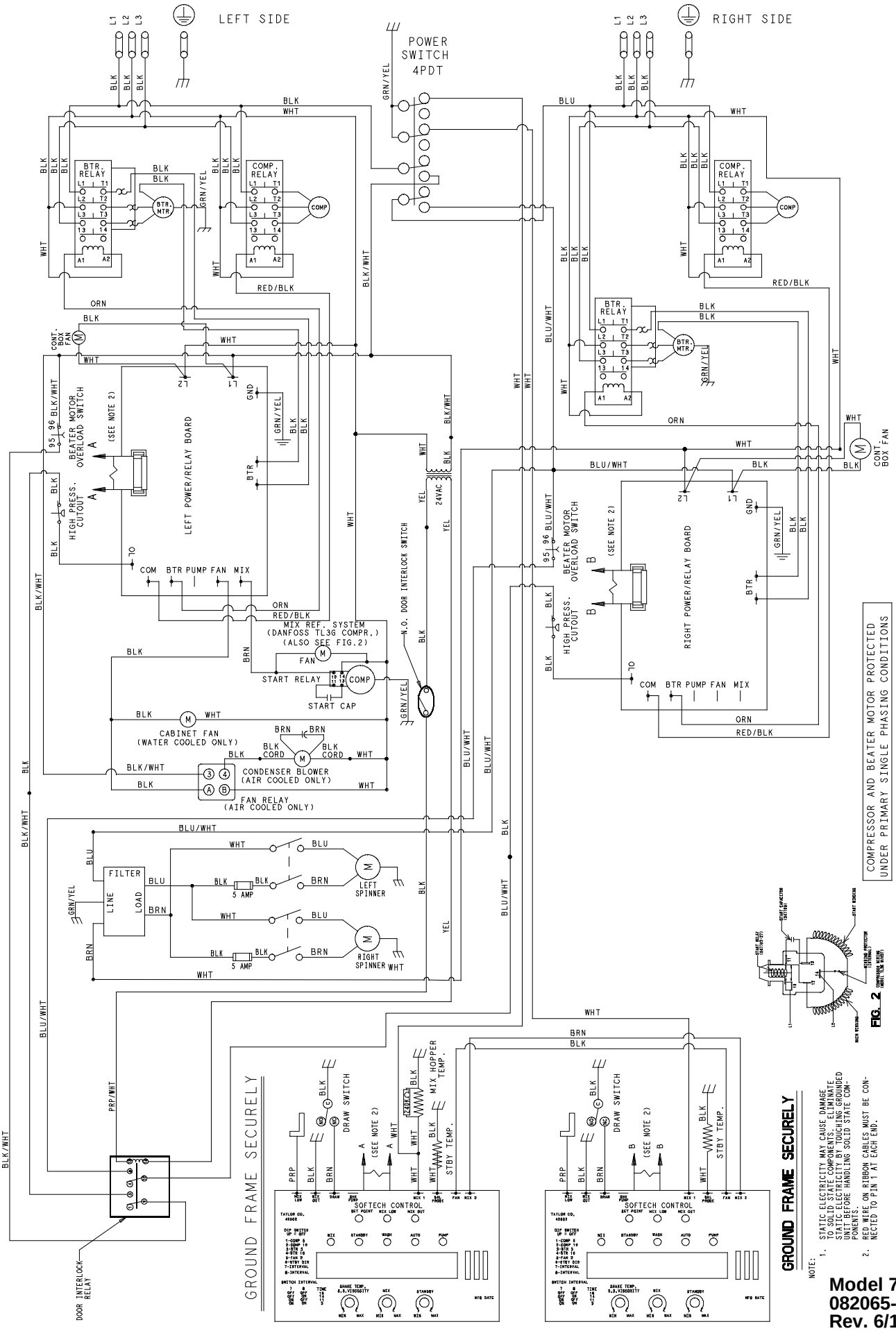


FIG. 2

NOTE:
1. STATIC ELECTRICITY MAY CAUSE DAMAGE TO SOLID STATE COMPONENTS. ELIMINATE STATIC ELECTRICITY BY TOUCHING GROUNDED METAL BEFORE HANDLING SOLID STATE COMPONENTS
2. RED WIRE ON RIBBON CABLES MUST BE CONNECTED TO PIN 1 AT EACH END.

Model 793
082065-33
Rev. 6/13