OPERATOR'S MANUAL

Model 383 & 384
Slush Freezer

Original Operating Instructions

053083-M

10/98 (Original Publication)
(Updated 6/18/2019)

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

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.*

TAYLOR®

Taylor Company
750 N. Blackhawk Blvd.
Rockton, IL 61072

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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

IMPORTANT! *In all areas of the world, machines 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® machines.

- *Only Taylor service personnel should perform installation, maintenance, and repairs on Taylor machines.*
- *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 personal 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.*

DANGER! The main power supply(s) to the machine 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 machine.

Note: *All repairs must be performed by a Taylor service technician.*

WARNING! This machine has many sharp edges that can cause severe injuries.

Site Preparation

Review the area the machine is to be installed in before uncrating the machine. Making sure that all possible hazards the user or machine have been addressed.

WARNING! Only install this machine in a location where its use and maintenance is restricted to trained personnel. Failure to comply may result in personal injury.

Air-Cooled Machines

Do not obstruct air intake and discharge openings:

The Models 383 and 384 air-cooled machines requires a minimum of 6 in. (152 mm) of clearance on both sides and 0.0 in. in the rear of the machine. This will allow for adequate air flow across the condenser(s). Failure to allow adequate clearance can reduce the refrigeration capacity of the freezer and possibly cause permanent damage to the compressor.

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

WARNING! This machine 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 machine. Failure to follow this instruction may result in electrocution.

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

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

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

Water Connections

(Water-Cooled Machines Only)

An adequate cold water supply must be provided with a hand shutoff valve. On the underside rear of the base pan, two 3/8 in. IPS (for single-head machines) or two 1/2 in. IPS (for double-head machines) water connections for inlet and outlet have been provided for easy hook-up. Half-inch inside diameter water lines should be connected to the machine. (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 machines. **Do not** install a hand shutoff 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.**

IMPORTANT! *A backflow prevention device is required on the incoming water connection side. Please see the applicable national, state, and local codes for determining the proper configuration.*

Electrical Connections

IMPORTANT! *In the United States, this machine is intended to be installed in accordance with the National Electrical Code (NEC), ANSI/NFPA 701987. 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 machine should be installed in accordance with the existing local codes. Please contact your local authorities if you have any questions.

Each machine requires one power supply for each data label on the machine. Check the data label(s) on the machine for branch circuit overcurrent protection or fuse, circuit ampacity, and other electrical specifications.

See the wiring diagram provided inside the electrical box for proper power connections.

FOLLOW YOUR LOCAL ELECTRICAL CODES.

WARNING! This machine must be properly grounded. Failure to do so can result in severe personal injury from electrical shock.

WARNING! DO NOT operate this freezer with fuses larger than specified on the machine data label. Failure to follow this instruction may result in electrocution or damage to the machine.

IMPORTANT! *An equipotential grounding lug is provided with this machine. Some countries require the grounding lug to 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 machine's frame.*

IMPORTANT!

- *Stationary machines which are not equipped with a power cord and a plug or another device to disconnect the machine from the power source must have an all-pole disconnecting device with a contact gap of at least 0.125 in. (3 mm) in the external installation.*
- *Machines 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 to protect against the leakage of current, such as a GFI, installed by authorized personnel to local codes.*
- *Supply cords used with this machine 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 a Taylor service technician to avoid a hazard.

Beater Rotation

NOTICE! Beater rotation must be counterclockwise as viewed looking into the freezing cylinder.

To correct the rotation on a three-phase machine, interchange any two incoming power supply lines at the freezer main terminal block only. To correct rotation on a single-phase machine, exchange 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 behind the service panel.

It is recommended that beater rotation adjustment be performed by a Taylor service technician.

Refrigerant

CAUTION! This machine contains fluorinated greenhouse gases (F-Gas) to provide refrigeration using a hermetically sealed circuit or within foam insulation. This machine's type of gas, quantity, Global Warming Potential (GWP), and CO_2 tonnes equivalent information is recorded on the machine's data label. The refrigerant used is generally considered nontoxic and nonflammable. 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.

CAUTION! Use only approved refrigerant listed on the machine's data label or authorized through a manufacturer's technical bulletin. The use of any other refrigerant may expose users and operators to unexpected safety hazards.

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

NOTICE! 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.

IMPORTANT! *Refrigerants and their associated lubricants may be 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.*

Notes:

Section 2 To the Operator

The Models 383 and 384 has been carefully engineered and manufactured to give you dependable operation.

These machines, 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.

IMPORTANT! *This manual should be read before operating or performing any maintenance on the machine.*

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

If you 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 a Taylor service technician. Taylor reserves the right to deny warranty claims on machines or parts if unapproved Taylor parts or incorrect refrigerant were installed in the machine, 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.*

IMPORTANT! *If the crossed-out wheeled-bin symbol is affixed to this machine, it signifies that this machine 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 delivering the machine 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 machine 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 machine'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 machine owner's responsibility to make this fact known to any technician he/she employs.

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

Taylor will continue to monitor the industry and test new alternates as they are being developed. Should a new alternate prove, through our testing, that it would be accepted as a drop-in replacement, then the above disclaimer would become null and void. To find out the current status of an alternate refrigerant as it relates to your compressor warranty, call the local Taylor distributor or the Taylor factory. Be prepared to provide the model/serial number of the machine in question.

We at Taylor Company are concerned about the safety of the operator when he or she comes in contact with the freezer and its parts. Taylor has gone to extreme efforts to design and manufacture built-in safety features to protect both the operator and the service technician. As an example, warning labels have been attached to the freezer to further point out safety precautions.

DANGER! 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 machine and/or its components. Such damage may require component replacement and service repair expenses**.**

NOTICE! DO NOT operate this machine without reading this entire manual first. Failure to follow all of these operating instructions may result in damage to the machine, poor performance, health hazards, or personal injury.

IMPORTANT! *This machine 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 machine operation is allowed for public use, such as a self-serve application, supervision or instruction concerning the use of the machine by a person responsible for their safety is required. Children should be supervised to ensure that they do not play with the machine.*

IMPORTANT! *An equipotential grounding lug is provided with this machine. Some countries require the grounding lug to 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 machine's frame.*

WARNING! This machine 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 machine. Failure to follow this instruction may result in electrocution.

WARNING! Avoid injury.

- **DO NOT** operate the machine unless it is properly grounded.
- **DO NOT** operate machine with fuses larger than specified on the data label.
- All repairs must be performed by a Taylor service technician.
- The main power supplies to the machine must be disconnected prior to performing repairs.
- **For Cord-Connected Machines:** Only Taylor service technicians or licensed electricians may install a plug or replacement cord on the machine.
- Stationary machine that are not equipped with a power cord and a plug or another device to disconnect the machine from the power source must have an all-pole disconnecting device with a contact gap of at least 0.125 in. (3 mm) in the external installation.
- Machines 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 to protect against the leakage of current, such as a GFI, installed by authorized personnel to local codes.
- Supply cords used with this machine 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 the manufacturer, service agent, or a similarly qualified person to avoid a hazard.

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

WARNING! Avoid injury.

- **DO NOT** allow untrained personnel to operate this machine.
- **DO NOT** operate the machine unless all service panels and access doors are fastened 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.

WARNING! This machine 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.
- **USE EXTREME CAUTION** when handling the cup/cone dispenser (if supplied with machine). Two people are required to handle the cup/cone dispenser. The appropriate type of protective gloves must be worn and the mounting holes must **NOT** be used to lift or hold the dispenser.

Failure to follow these instructions can result in personal injury or damage to the machine.

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

CAUTION! This machine must be placed on a level surface. Failure to comply may result in personal injury or machine damage.

NOTICE! Cleaning and sanitizing schedules are governed by your federal, state, or local regulatory agencies and must be followed accordingly. Please see the cleaning section of this manual for the proper procedure to clean this machine.

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

Do not obstruct air intake and discharge openings:

The Models 383 and 384 air-cooled machines requires a minimum of 6 in. (152 mm) of clearance on both sides and 0.0 in. at the rear of the machine. This will allow for adequate air flow across the condenser(s). Failure to allow adequate clearance can reduce the refrigeration capacity of the freezer and possibly cause permanent damage to the compressor.

For Indoor Use Only: This machine is designed to operate indoors, under normal ambient temperatures of 70ºF to 75ºF (21ºC to 24ºC). The freezer has successfully performed in high ambient temperatures of 104ºF (40ºC) at reduced capacities.

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

NOISE LEVEL: Airborne noise emission does not exceed 78 dB(A) when measured at a distance of 39 in. (1.0 m) from the surface of the machine and at a height of 62 in. (1.6 m) from the floor.

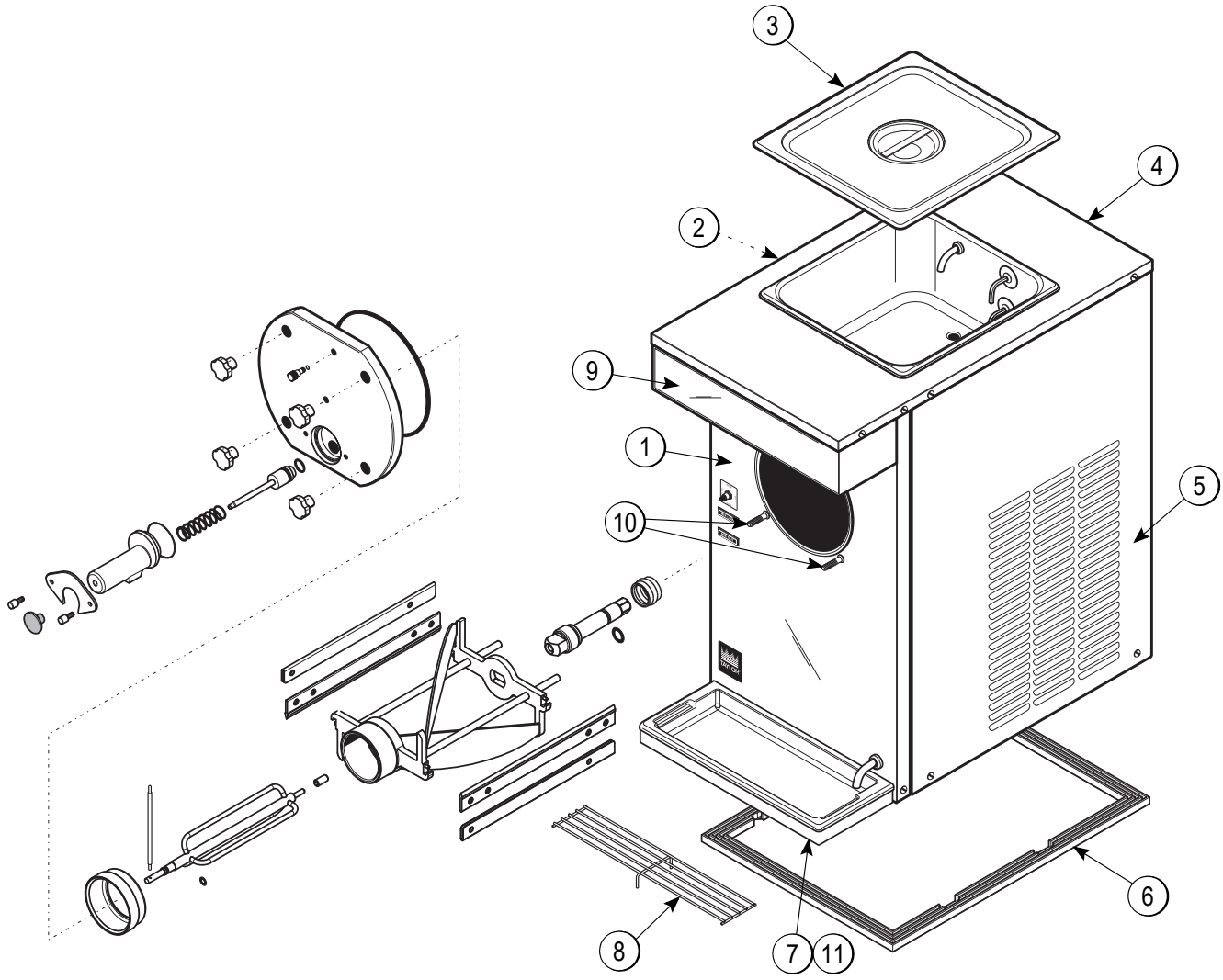


Figure 4-1

Item	Description	Part No.
1	Panel-Front	051090
2	Panel-Side Left	052117
3	Cover-Hopper 12 Qt	045416
4	Panel A.-Rear	X52116
5	Panel-Side Right	051713
6	Gasket-Base Pan	051868

Item	Description	Part No.
7	Tray A.-Drip	X46848
8	Shield-Splash	046851
9	Decal-DEC-Flavor - 4	050703
	Decal-DEC-Taylor	045967
10	Stud-Freezer Door	051950
11	Shelf-Drip Tray	052065

Beater Door Assembly

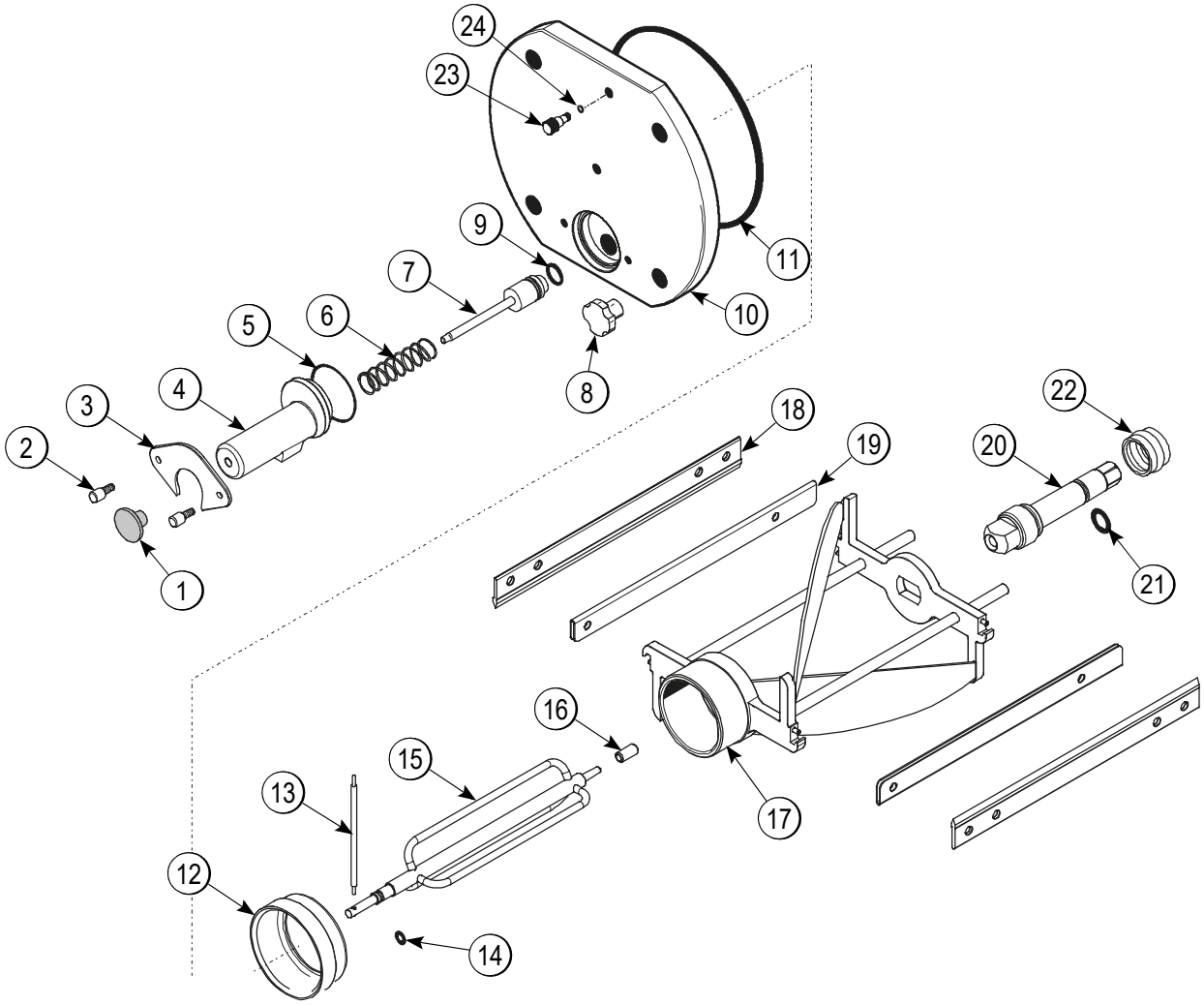


Figure 4-2

Item	Description	Part No.
1	Knob-Draw Valve-Black	047358
2	Screw-1/4-20x9/16 Thumb	047632
3	Plate-Draw Spout Mount	049275
4	Spout-Door Zero Waste	049276-BLA
5	O-ring-2.375 OD X 1/16W	046830
6	Spring-Comp.845x.055x3.5	047357
7	Valve-Draw	047353
8	Nut-Stud	045644
9	O-ring-7/8 OD X .103W	014402
10	Door A.-Partial	X51098
11	O-ring-8-3/8 ODX.105W	027814
12	Bearing-Front-Torque	052005

Item	Description	Part No.
13	Arm-Torque	014500
14	O-ring-.291 ID X .080W	018550
15	Torque A.	X51081
16	Bearing-Guide	014496
17	Beater A.-Torque	X51105
18	Blade-Scraper	051088
19	Clip-Scraper Blade	051978
20	Shaft-Beater	049270
21	O-ring-7/8 OD X .139W	025307
22	Seal-Drive Shaft	032560
23	Plug-Prime *380/1*	046833
24	O-ring-9/32 OD X 1/16 Wall	029751

Accessories

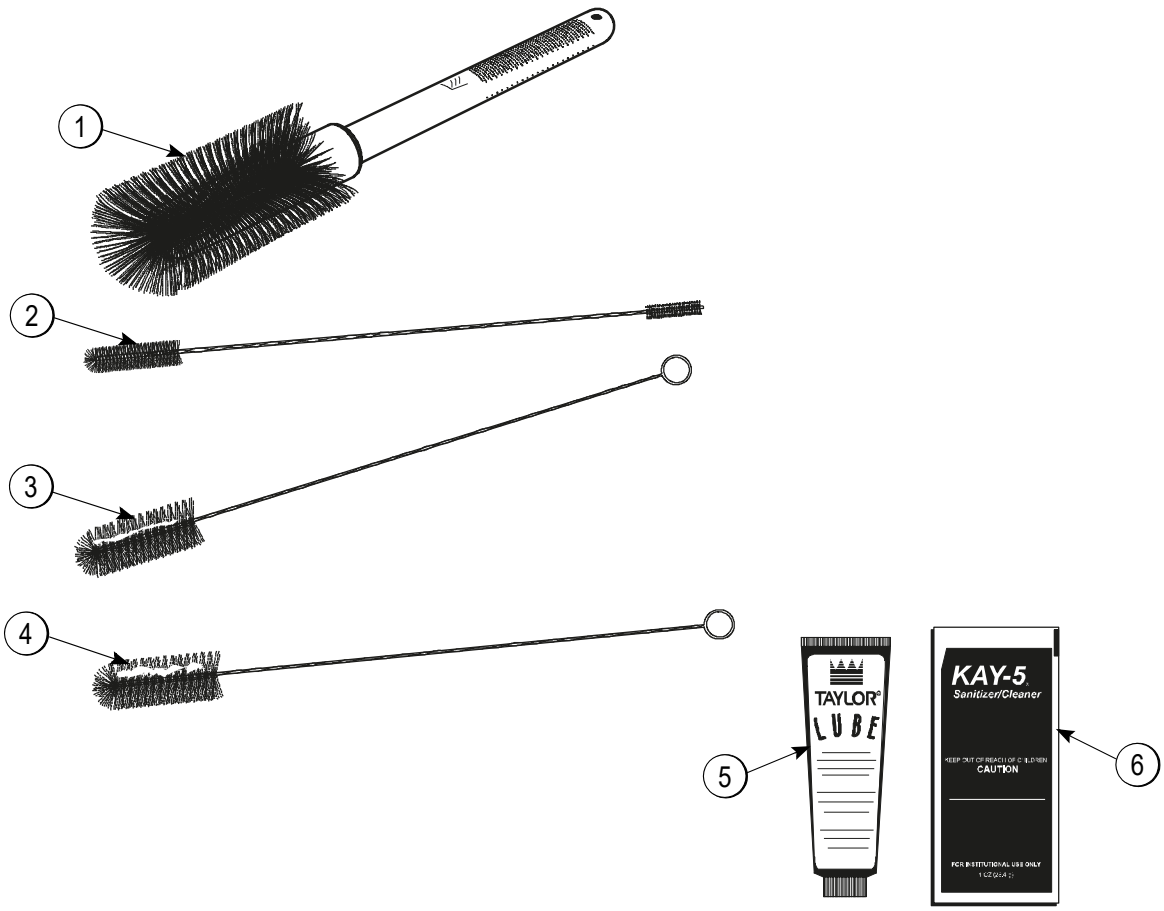


Figure 4-3

Item	Description	Part No.
1	Brush-Mix Pump Body-3”x7”	023316
2	Brush-Draw Valve 1”x2”x17”	013073
3	Brush-Double Ended	013072
4	Brush-Rear BRG 1IN.DX2IN.L	013071

Item	Description	Part No.
5	Lubricant-Taylor Hi PERF-4	048232
6	Sanitizer Kay-5 (Case of 125 Packets	041082

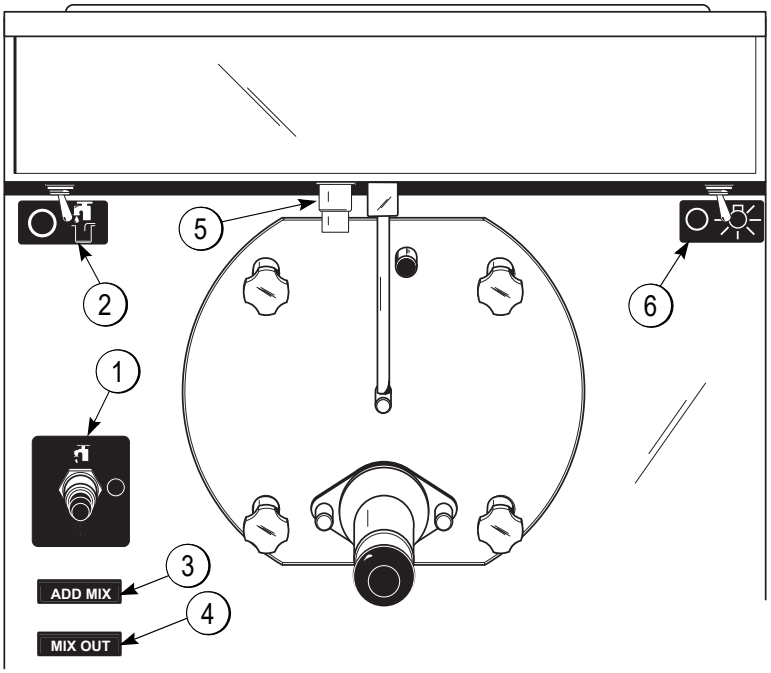


Figure 5-1

Item	Description
1	Control Switch
2	Fill Switch
3	ADD MIX Light
4	MIX OUT Light
5	Viscosity Control
6	Display Light Switch

Symbol Definitions

To better communicate in the international arena, symbols have replaced words on many of our operator switches, function, and fault indicators. Your Taylor machine is designed with these international symbols.

The following chart identifies the symbol definitions:

 = ON/AUTO

 = OFF

 = WASH

 = ADD MIX

 = MIX OUT

Control Switch (Item 1)

The control switch's center position is OFF. The up position is the Wash mode and it activates the beater motor only. The down position is the Auto mode. The Auto mode activates the beater motor and enables refrigeration when the fill switch is in the ON position.

Fill Switch (Item 2)

The fill switch is located under the control channel. The ON position enables refrigeration when the control switch is in the Auto position. The ON position enables the fill system to replenish and maintain product levels in the freezing cylinder and in the hopper. The OFF position terminates the fill function. The refrigeration system is disabled when the fill switch is in the OFF position.

Add Mix Light (Item 3)

When the ADD MIX light is on, it indicates that the mix supply in the hopper is low and must be replenished.

Mix Out Light (Item 4)

When the MIX OUT light is on, it indicates that the hopper is empty and the mix supply must be replenished. When the indicator lights, refrigeration is automatically disabled to prevent component damage. The beater motor continues to run.

Viscosity Control (Item 5)

The viscosity adjustment screw is located under the control channel. The viscosity (thickness) of the slush can be adjusted by turning the adjustment screw clockwise for a thicker product or counterclockwise for a thinner product.

Standby Switch (Optional)

The standby switch is located under the control channel. To maintain a good quality product during long no sale periods, the standby mode will maintain the product at approximately 38 F° to 40 F° (3.3 C° to 4.4 C°).

To operate the Standby mode, place the power switch in the Auto position. Place the fill switch in the Fill position and the standby switch in the Standby position.

To resume normal operation, leave the power switch in the Auto position and the fill switch in the Fill position. Move the standby switch to the OFF position.

Display Light Switch (Item 6) (Optional)

The display light switch's left position is OFF. The right position is ON, and it activates the display light.

Push-Button Switch

If an overload condition occurs, the freezer will automatically stop operating. To properly reset the freezer, place the toggle switch in the OFF position. Wait 2 or 3 minutes, then press the push-button switch. Place the power switch in the Wash position and observe the freezer's performance; place the power switch in the Auto position.

Note: *If the freezer is unplugged from the wall receptacle, it will be necessary to press the push-button switch for the freezer to operate once power is re-established.*

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

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

If you are disassembling the machine for the first time or need information to get to this starting point in our instructions, turn to "Disassembly" on page 6-7, and start there.

Assembly

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

WARNING! Make sure the power switch is in the OFF position. Failure to follow this instruction may result in severe personal injury from hazardous moving parts.

Install the driveshaft

1. Lubricate the groove and shaft portion that comes in contact with the bearing on the beater driveshaft. Slide the seal over the shaft and groove until it snaps into place. **Do not** lubricate the hex end of the driveshaft.

   Fill the inside portion of the seal with 1/4 in. (6.3 mm) more lubricant and lubricate the flat side of the seal that fits onto the rear shell bearing.

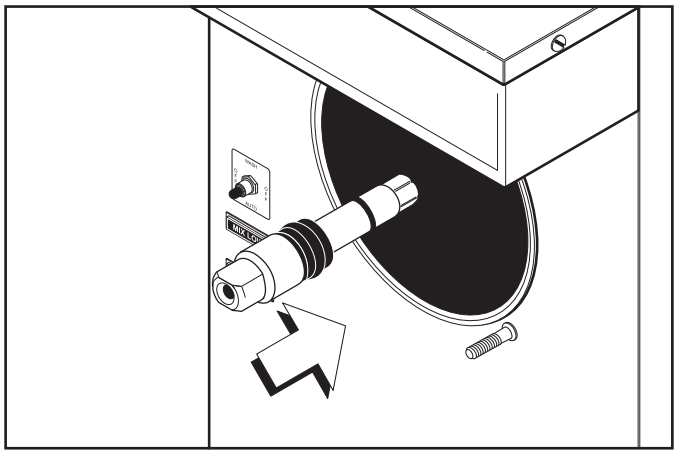


Figure 6-1

Insert the driveshaft 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. Make sure the driveshaft fits into the drive coupling without binding.

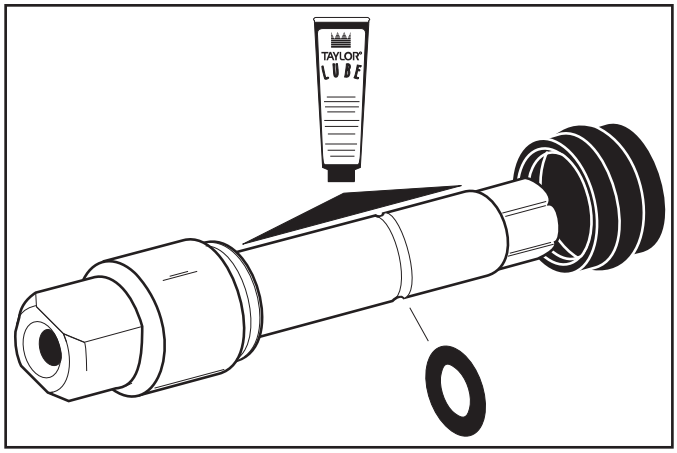


Figure 6-2

WARNING! Use extreme caution when handling the beater assembly. The scraper blades are very sharp and may cause injury.

Install the beater assembly

2. Check scraper blades for any nicks or signs of wear. If any nicks are present or if the blades are worn, replace the blades.

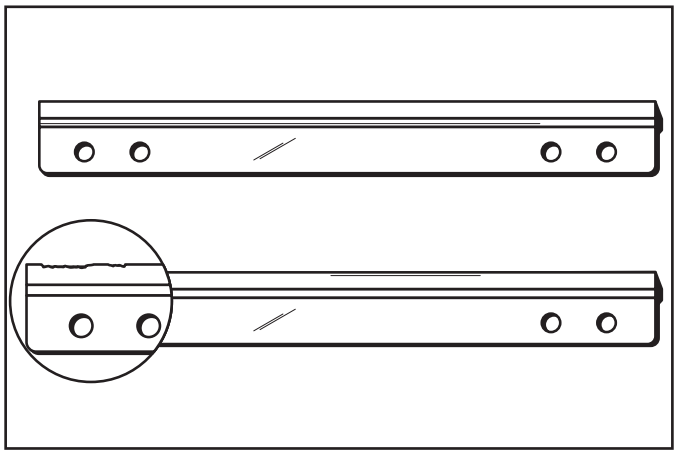


Figure 6-3

If the blades are in good condition, assemble the clips on the blades. Install one scraper blade and clip over the two holding pins on one side of the beater.

Holding the blade and clip on the beater, turn the assembly over and install the second scraper blade and clip.

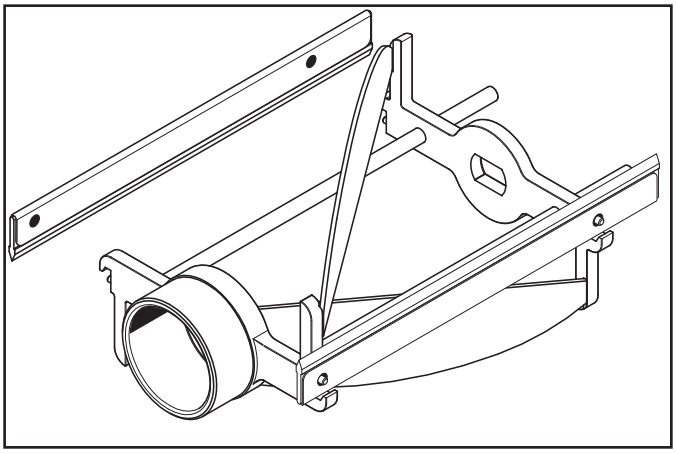


Figure 6-4

Holding the beater securely, slide the beater into the freezing cylinder approximately one-third of the way in. Looking into the freezing cylinder, align the hole at the rear of the beater with the flats on the end of the driveshaft.

Slide the beater the remainder of the way into the freezing cylinder and over the end of the driveshaft. The beater should fit snugly but not so tightly that the beater cannot be turned slightly to engage the driveshaft.

Make sure the beater assembly is in position over the driveshaft. Turn the beater slightly to make sure the beater is properly seated. When in position, the beater bearing hub will protrude beyond the front of the freezing cylinder about 1/4 inch (6.35 mm).

Install the torque rotor

3. Install the plastic guide bearing on the short end of the torque rotor. Slide the O-ring into the groove on the long end of the torque rotor and lubricate the O-ring. Do not lubricate the guide bearing.

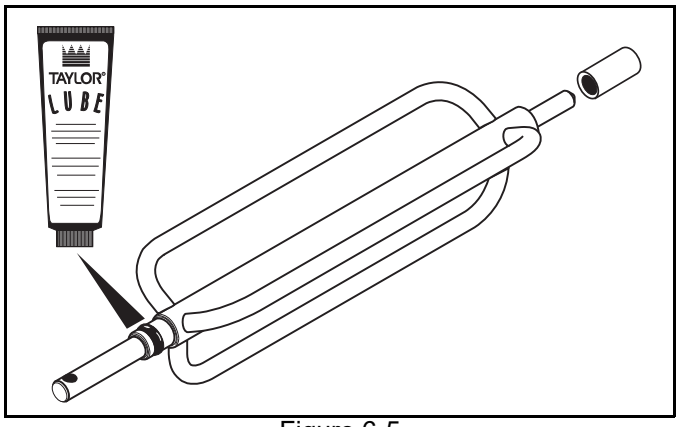


Figure 6-5

Insert the torque rotor (guide bearing end first) into the pilot hole in the center of the driveshaft. The hole in the torque rotor shaft should be rotated to the 12 o'clock position.

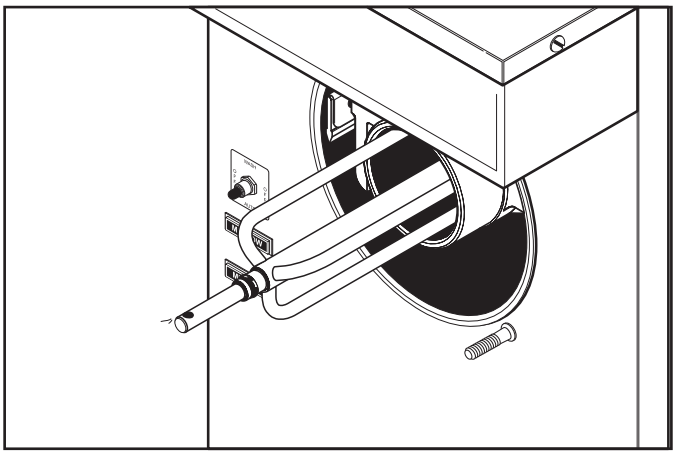


Figure 6-6

Draw valve spout assembly

4. Slide the draw valve O-ring into the groove on the draw valve and lubricate the O-ring.

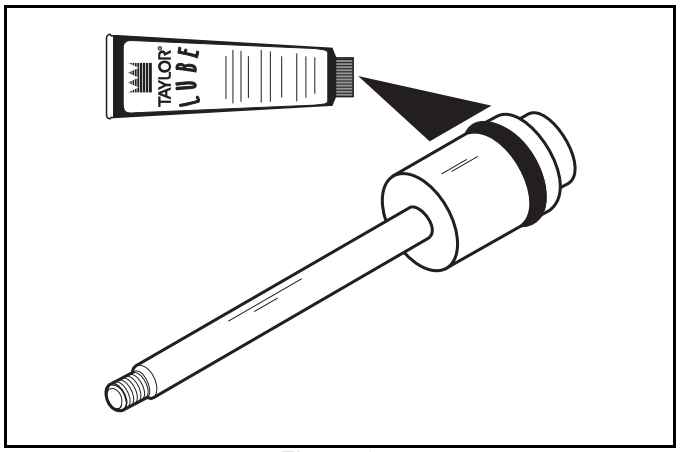


Figure 6-7

Place the draw valve spring over the shaft end on the draw valve.

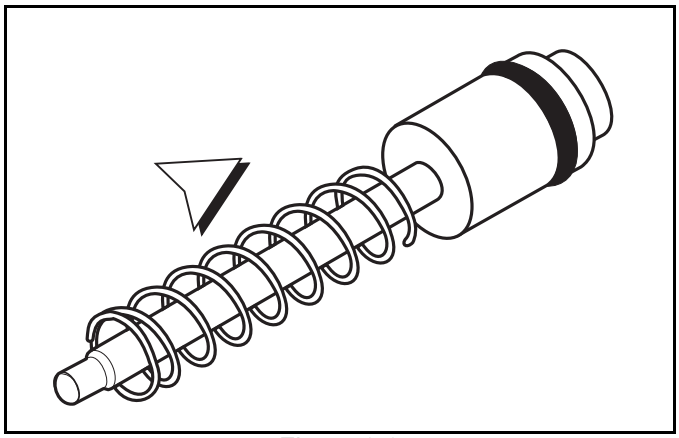


Figure 6-8

Insert the draw valve and spring into the door spout until the threaded end of the shaft passes through the hole in the end of the door spout. Thread the draw valve knob onto the end of the draw valve shaft.

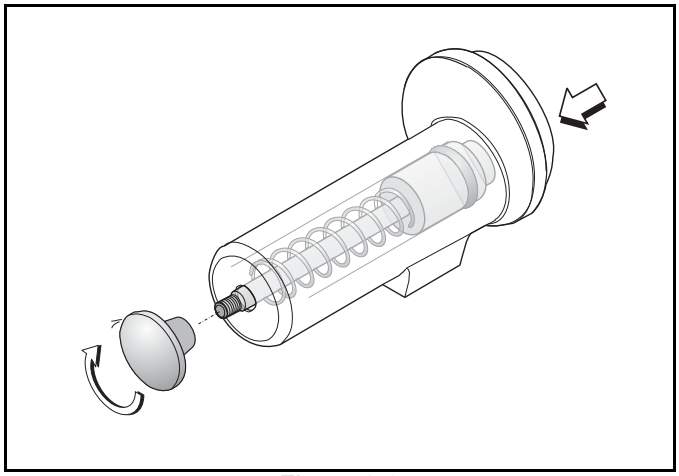


Figure 6-9

Place the door spout seal O-ring into the groove in the door and lubricate the components.

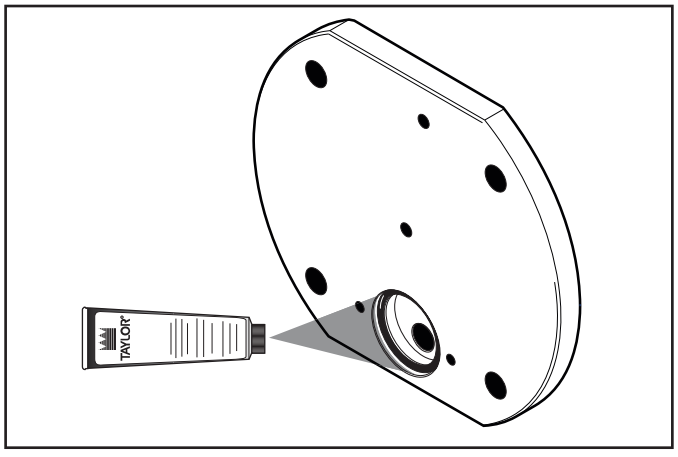


Figure 6-10

Align the draw spout assembly with the door. Place the draw spout mounting plate over the draw spout assembly and align the holes.

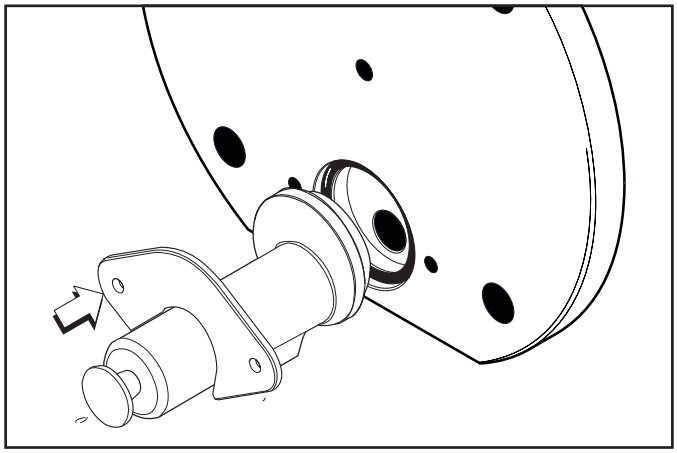


Figure 6-11

Using the thumbscrews, fasten the draw spout assembly and draw spout mounting plate to the door.

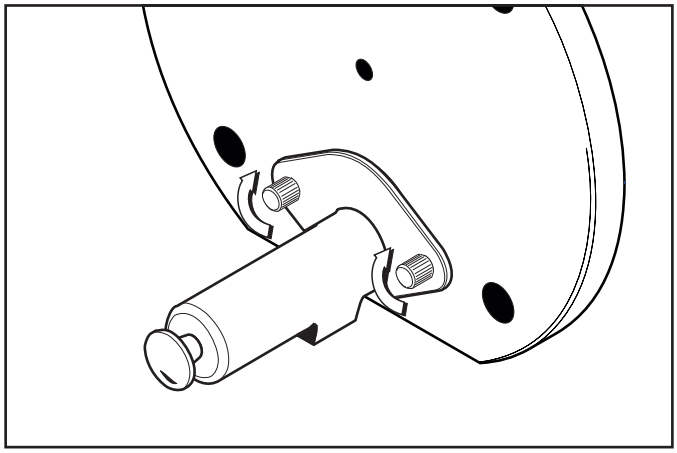


Figure 6-12

Slide the O-ring into the groove on the prime plug. Apply an even coat of lubricant to the O-ring and shaft.

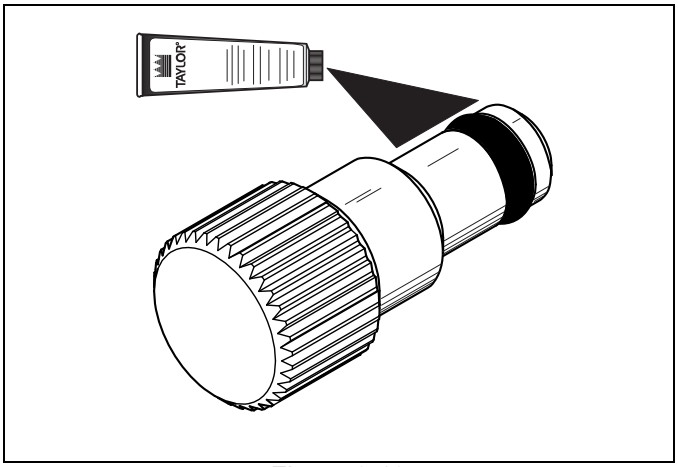


Figure 6-13

6

Install the prime plug into the bleed port in the top of the freezer door. Do not overtighten the prime plug.

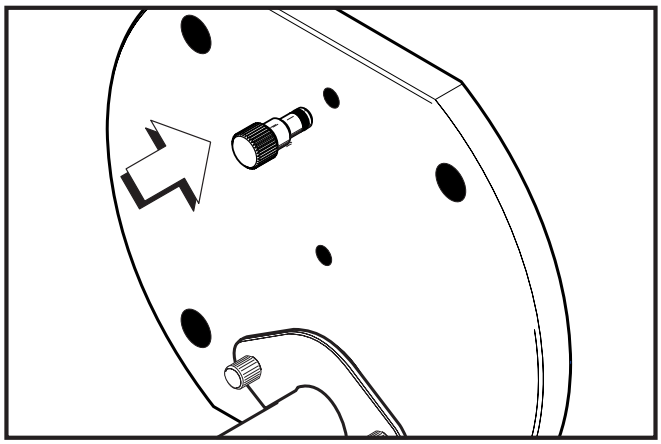


Figure 6-14

Place the large O-ring into the groove on the back side of the door and lubricate the installed O-ring.

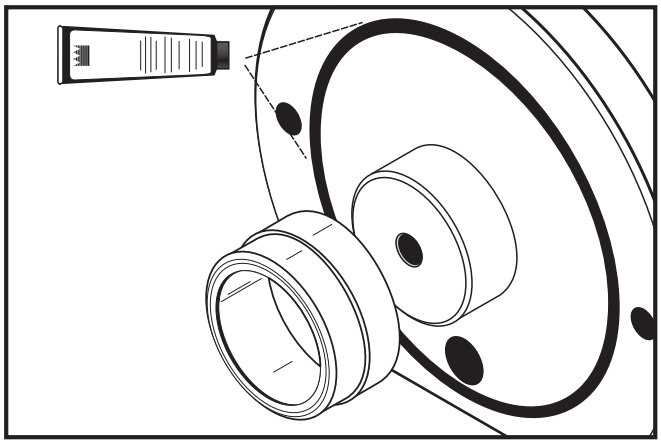


Figure 6-15

Place the door bearing into the back side of the door.

Note: *Do not lubricate the door bearing.*

Install the freezer door

5. Position the torque rotor into the hole in the center of the door. Install the door on the four studs on the front of the freezing cylinder. Firmly push the door into place.

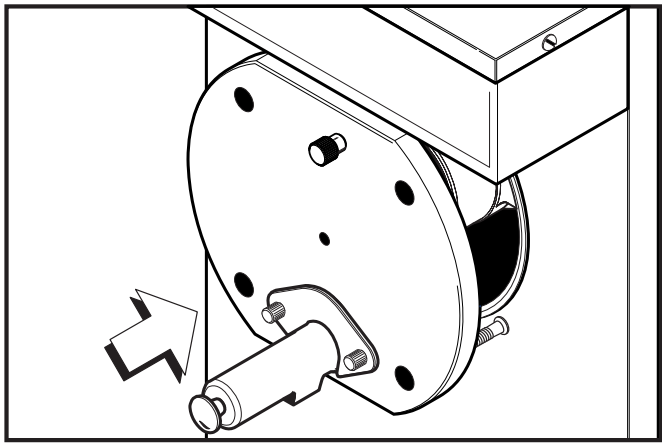


Figure 6-16

6. Install the four handscrews on the studs. Finger-tighten the screws equally in a crisscross pattern to ensure the door is secure. Do not overtighten the handscrews.

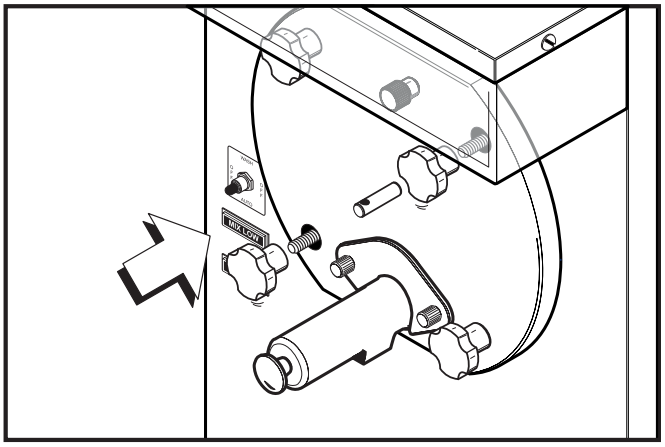


Figure 6-17

7. Install the torque arm.

   Position the torque arm by inserting it through the slot in the torque switch arm and down into the hole in the torque rotor which protrudes from the door. Verify proper installation by moving the torque rotor back and forth to make sure it moves freely and easily.

8. Install the front drip tray and the splash shield under the door spout.

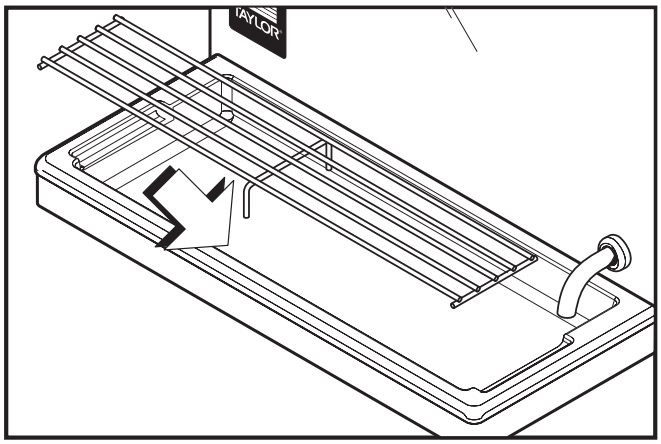


Figure 6-18

Sanitizing

1. Prepare an approved 100 PPM sanitizing solution (examples: 2-1/2 gal. [9.5 liters] of Kay-5® or 2 gal. [7.6 liters] of Stera-Sheen®).

   Important! *Use warm water and follow the manufacturer's specifications.*

2. Pour the sanitizing solution over all the parts in the bottom of the mix hopper and allow it to flow into the freezing cylinder.

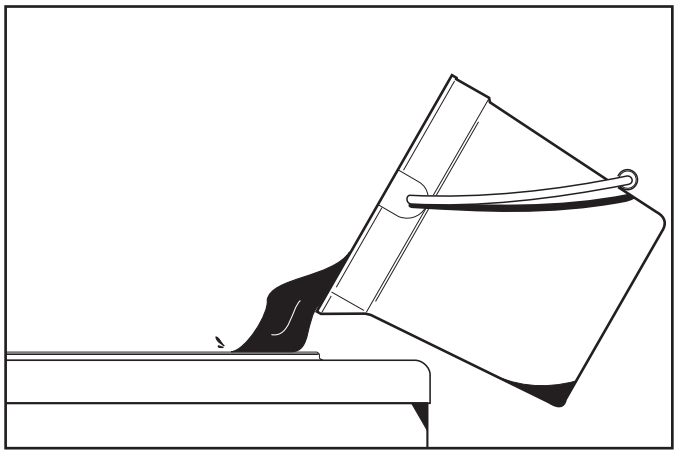


Figure 6-19

Note: *You have just sanitized the mix hopper and parts; therefore, make sure your hands are clean and sanitized before continuing with these instructions.*

3. While the solution is flowing into the freezing cylinder, take particular care to brush-clean the mix-level sensing probe on the front wall and the bottom of the hopper, mix hopper, and mix inlet hole.
4. Remove the prime plug and allow all of the solution to flow into the freezing cylinder. Re-install the prime plug.
5. Place the control switch in the Wash position. This will cause the sanitizing solution in the freezing cylinder to be agitated. Allow the solution to agitate for 5 minutes.

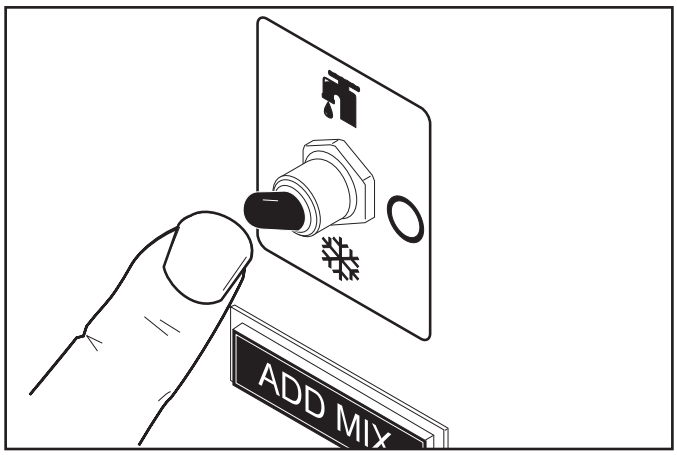


Figure 6-20

6. Place the control switch in the OFF position. Place an empty pail beneath the door spout. Open the draw valve and draw off all of the sanitizing solution. When the sanitizer stops flowing from the door spout, close the draw valve.

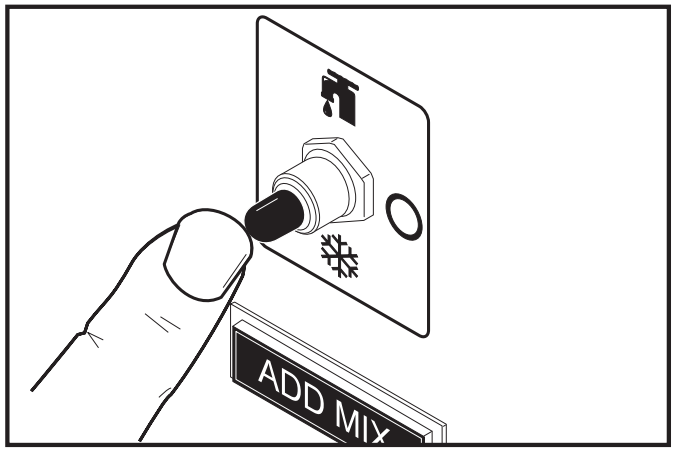


Figure 6-21

Priming

1. Remove the prime plug from the bleed port. With a pail beneath the door spout, open the draw valve. Fill the hopper with **fresh** product 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.*

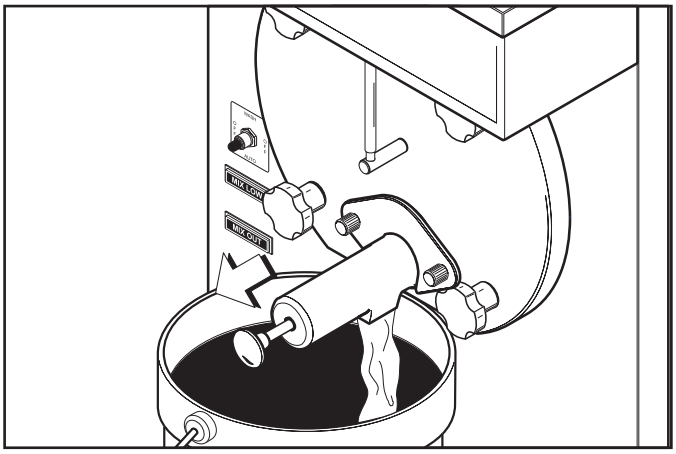


Figure 6-22

2. When product rises to the bleed port, re-install the prime plug. Fill the hopper with **fresh** mix.
3. Place the hopper cover in position.

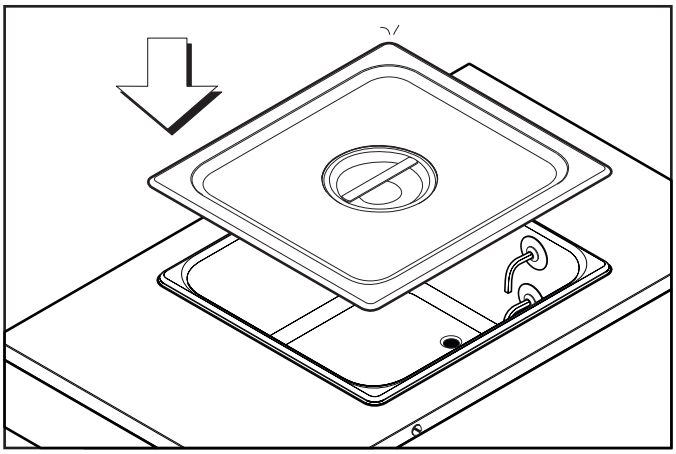


Figure 6-23

Closing Procedure

To disassemble this machine, the following items will be needed:

- Two cleaning pails
- Cleaning brushes (provided with freezer)
- Cleaner
- Single-service towels

Rinsing

1. Draw all remaining product from the freezer.
2. Remove the hopper cover.
3. Pour cool, clean water into the mix hopper and allow it to flow into the freezing cylinder. With the brushes provided, scrub the mix hopper, the mix inlet hole, and the mix-level sensing probe.

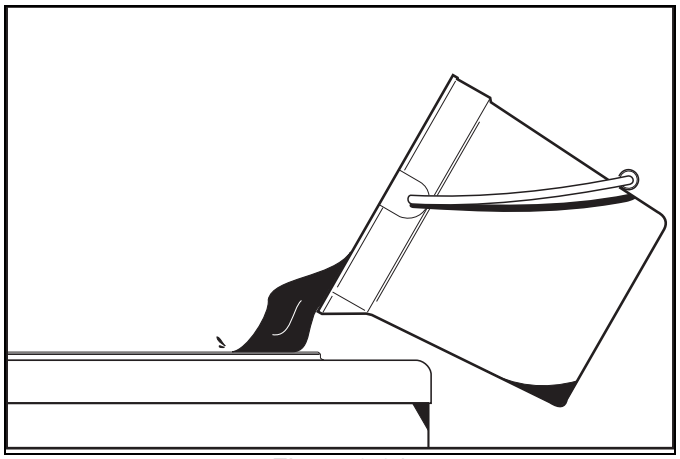


Figure 6-24

4. Place the control switch in the Wash position. With a pail beneath the door spout, 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 control switch in the OFF position.

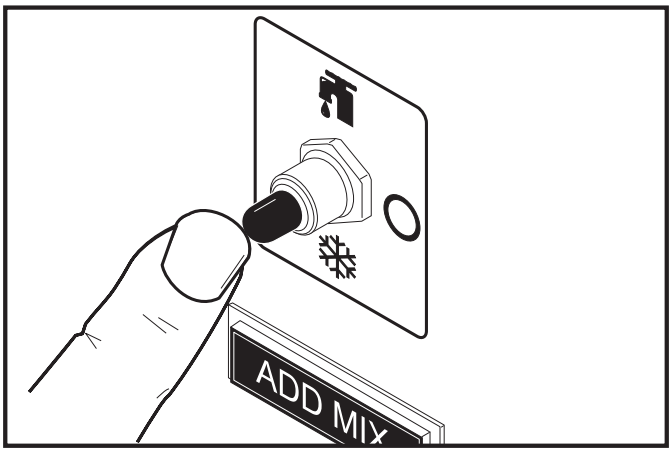


Figure 6-25

Cleaning

1. Prepare an approved 100 PPM cleaning solution (examples: 2-1/2 gal. [9.5 liters] of Kay-5® or 2 gal. [7.6 liters] of Stera-Sheen®).

   Important! *Use warm water and follow the manufacturer's specifications.*

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

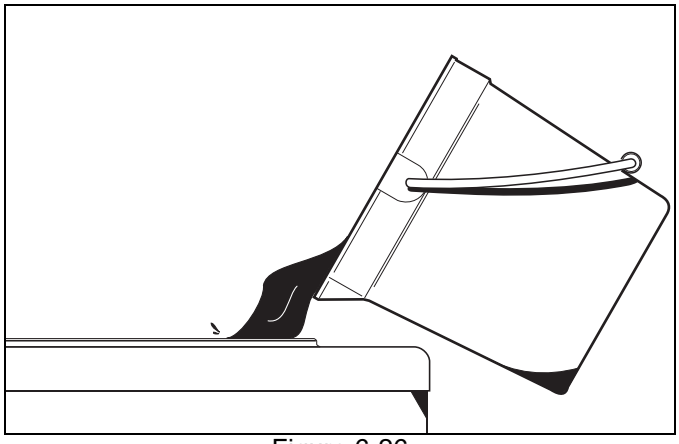


Figure 6-26

3. While the solution is flowing into the freezing cylinder, brush-clean the mix hopper, mix-level sensing probes and the mix inlet hole.
4. Place the control switch in the Wash position. This will cause the cleaning solution in the freezing cylinder to be agitated. Allow the solution to agitate for 5 minutes.

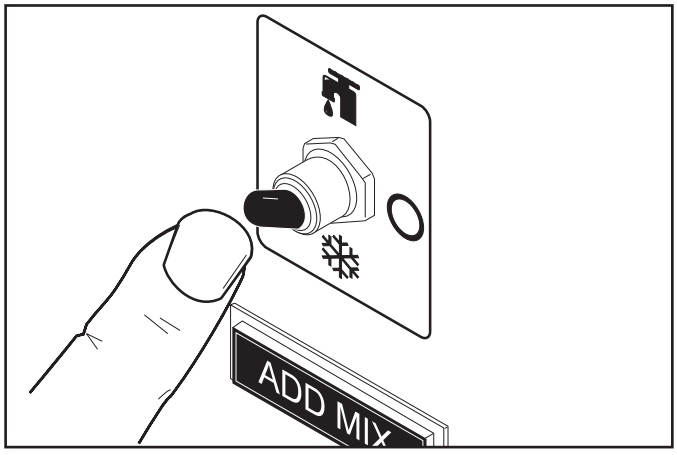


Figure 6-27

5. Place the control switch in the OFF position. Place an empty pail beneath the door spout. Open the draw valve and draw off all of the cleaning solution. When the solution stops flowing from the door spout, close the draw valve.

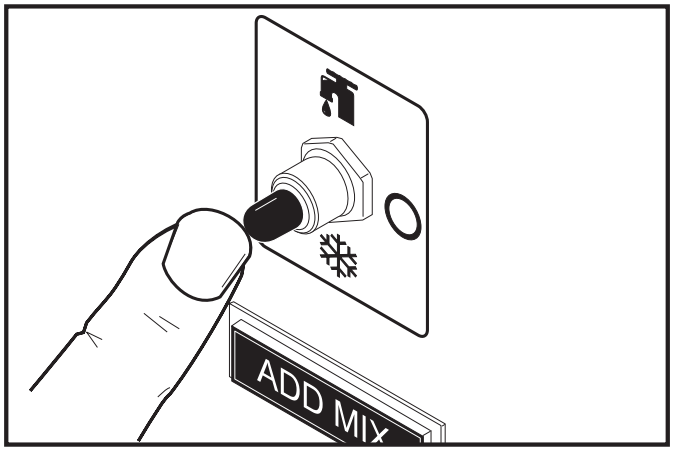


Figure 6-28

Disassembly

WARNING! Make sure the power switch is in the OFF position before installing/removing any parts. Failure to follow this instruction may result in severe personal injury or electrocution.

1. Make sure the power switch is in the OFF position. Make sure no lights are lit on the control panel.
2. Remove the torque arm, handscrews, freezer door, beater assembly, scraper blades and clips, torque rotor, and driveshaft. Take these parts to the sink for cleaning.
3. Remove the front drip tray and splash shield and take them to the sink for cleaning.

Brush-cleaning

1. Prepare a sink with an approved cleaning solution (examples: Kay-5® or Stera-Sheen®).

   Note: *Use warm water and follow the manufacturer's specifications. If another approved cleaner is used, dilute according to label instructions.*

   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 freezer are available for brush-cleaning.*

2. Remove the:
   - Seal from the driveshaft.
   - O-ring and front bearing from the freezer door.
   - Door spout from the freezer door.
   - Draw valve and spring from the door spout.
   - O-ring from the draw valve.
   - O-ring and guide bearing from the torque rotor.
   - Prime plug and prime plug O-ring.

   Note: *To remove the O-rings, use a single-service towel to grasp the O-ring. Apply pressure upward 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.*

3. Thoroughly brush-clean all disassembled parts in the cleaning solution making sure all lubricant and mix film is removed. Place all the cleaned parts on a clean, dry surface to air-dry.
4. Return to the freezer with a small amount of cleaning solution. Brush-clean the rear shell bearing with the black bristle brush.

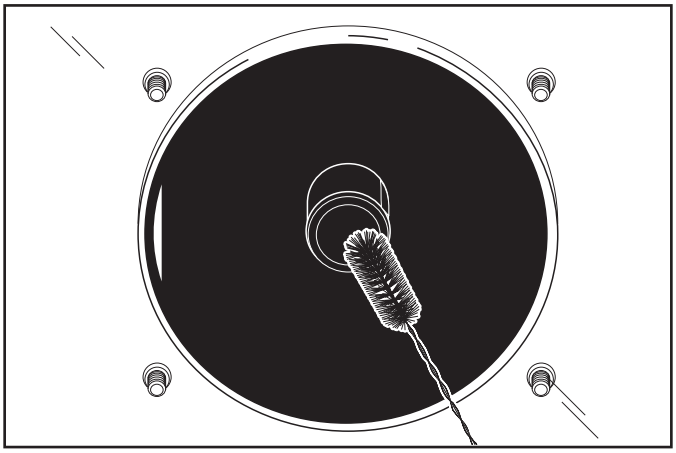


Figure 6-29

5. Wipe clean all exterior surfaces of the freezer.

During Cleaning and Sanitizing

ALWAYS FOLLOW LOCAL HEALTH CODES.

Cleaning and sanitizing schedules are governed by your state or local regulatory agencies, and must be followed accordingly. The following checkpoints should be stressed during cleaning and sanitizing operations.

Important! *Cleaning and sanitizing must be performed daily.*

Troubleshooting Bacterial Count

- ☐ Thoroughly clean and sanitize machine regularly, including complete disassembly and brush-cleaning.
- ☐ Use all brushes supplied for thorough cleaning. The brushes are specially designed to reach all mix passageways.
- ☐ 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.
- ☐ Use the black bristle brush to thoroughly clean the rear shell bearing at the rear of the freezing cylinder. Use a generous amount of cleaning solution on the brush.
- ☐ Using a screwdriver and cloth towel, keep the drive socket and rear shell bearing clean and free of lubricant and product deposits.
- ☐ Properly prepare the 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.

Regular Maintenance Checks

- ☐ Replace scraper blades that are nicked or damaged.
- ☐ Before installing the beater assembly, make sure the scraper blades are properly attached over the pins.
- ☐ Check the rear shell bearing for signs of wear (excessive mix leakage in rear drip pan) and make sure it is properly cleaned.
- ☐ Dispose of O-rings and seals if they are worn, torn, or fit too loosely, and replace with new ones.
- ☐ Follow all lubricating procedures as outlined in "Assembly" on page 6-1.
- ☐ If your machine is air-cooled, check the condenser(s) for dirt and lint. Dirty condensers will reduce the efficiency and capacity of the machine. Condensers should be cleaned monthly. Use a soft brush to clean between the fins. Never use screwdrivers or other metal probes to clean between the fins.
  Note: *For machines equipped with an air filter, it will be necessary to vacuum clean the filters on a monthly schedule.*

Winter Storage

If the place of business is to be closed during the winter months, it is important to protect the freezer by following certain precautions, particularly if the building is subject to freezing conditions.

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

On water-cooled freezers, 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 Taylor distributor can perform this winter storage service for you.

Wrap detachable parts of the freezer (such as beater, blades, driveshaft, and freezer door) and place them in a protected dry place. Rubber trim parts and gaskets can be protected by wrapping them with moisture-proof paper. All parts should be thoroughly cleaned of dried mix or lubrication which can attract mice and other vermin.

Table 8-1

Problem	Probable Cause	Remedy	Page Ref.
1. No product is being dispensed with draw valve open.	a. Product freeze-up due to improper product mixing.	a. Follow directions for mixing product carefully.	
	b. The torque arm is not installed.	b. Install the torque arm.	6-4
	c. The beater is rotating counterclockwise from the operator end.	c. Contact service technician to correct rotation to clockwise from operator end.	1-3
	d. Bent or improperly installed torque rotor.	d. Replace the bent rotor or follow proper assembly procedures.	6-2
2. The product is too thin.	a. Improper mixing of product.	a. Follow directions for mixing product carefully.	
	b. Missing, incorrectly installed, or worn scraper blades.	b. Replace or install the blades correctly.	6-1
	c. The viscosity adjustment screw needs to be adjusted.	c. Adjust the screw accordingly.	5-2
	d. The torque rotor is bound, leaving the torque arm in the cold position. Therefore, the compressor will not run.	d. Free the torque rotor.	
3. The product is too stiff.	a. The torque rotor is bound, leaving the torque arm in the warm position. Therefore, the compressor continually runs.	a. Free the torque rotor.	
	b. The torque arm is missing or bent.	b. Install or replace the torque arm.	6-4
	c. The viscosity adjustment screw needs to be adjusted.	c. Adjust the screw accordingly.	5-2
	d. Improper mixing of product.	d. Follow directions for mixing product carefully.	
4. The freezing cylinder walls are scored.	a. Broken beater pins.	a. Repair or replace the beater assembly.	6-1
	b. The bearing unit is out of alignment.	b. Contact a service technician.	
	c. The beater assembly is bent.	c. Repair or replace the beater assembly.	6-1
	d. The front bearing is missing or worn on the freezer door.	d. Install or replace the front bearing.	6-4
5. Unable to remove the driveshaft.	a. There is lubrication on the hex end of the driveshaft.	a. Do not lubricate the hex end of the driveshaft. Contact a service technician for drive shaft removal.	6-1
	b. Rounded corners of the drive shaft, drive coupling or both components.	b. Replace the driveshaft, drive coupling, or both components.	6-1

Problem	Probable Cause	Remedy	Page Ref.
6. Excessive mix leakage into the rear drip pan.	a. Improper or inadequate lubrication on the driveshaft O-ring or seal. b. Worn or missing O-ring or seal on the driveshaft. c. The rear shell bearing is worn.	a. Use the correct lubricant (Taylor Lube) and follow proper lubrication procedures. b. Replace rubber parts every 3 months. c. Call service technician to replace rear shell bearing.	
7. No freezer operation with the machine while the control switch is in the Auto position.	a. The machine is unplugged. b. The beater motor has tripped the reset mechanism. c. The circuit breaker tripped or the fuse has blown.	a. Plug the power cord into the wall receptacle. b. Place the control switch in the OFF position. Allow the motor to cool, then press the reset button and resume normal operation. Contact a service technician if the problem continues. b. Reset the circuit breaker or replace the blown fuse.	6-2
8. .The machine is not freezing product when placed in the Auto mode.	a. The torque rotor is bound, leaving the torque arm in the cold position. Therefore the compressor will not run. b. The torque arm is bent. c. The condensers are dirty. d. There is a mix out condition. e. The circuit breaker has tripped or the fuse has blown.	a. Free the torque rotor. b. Replace the torque arm. c. Clean the condensers monthly. d. Refill the mix system. e. Reset the circuit breaker or replace the blown fuse.	6-4 7-1
9. The guide bearing is missing.	a. The guide bearing is stuck in the driveshaft.	a. Remove the guide bearing from the hole in the driveshaft.	6-2, 6-1
10.Excessive mix leakage from door spout.	a. Missing or worn draw valve O-rings. b. Inadequate lubrication of draw valve O-rings. c. Wrong type of lubricant is being used (example: petroleum-based lubricant).	a. Install or replace regularly. b. Lubricate properly. c. Use the proper lubricant (example: Taylor Lube).	6-1
11. The door is not easily installed.	a. Position of the beater assembly.	a. Position the beater so that the scraper blades are in the 12:00 o'clock and 6:00 o'clock positions.	6-1

8

Section 9 Parts Replacement Schedule

Table 9-1

Part Description	Every 3 Months	Every 6 Months	Annually
Scraper Blade		Inspect and replace if necessary.	Minimum
Driveshaft Seal	X		
Freezer Door O-ring	X		
Door Port O-ring	X		
Front Bearing	X		
Door Spout O-ring	X		
Drive Shaft O-ring	X		
Torque Arm O-ring	X		
Brushes		Inspect and replace if necessary.	Minimum

Notes:

Section 10 Limited Warranty on Equipment

TAYLOR COMPANY LIMITED WARRANTY ON FREEZERS

Taylor Company 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 remanufactured 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.

Table 10-1

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) years

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
750 N. Blackhawk Blvd.
Rockton, IL 61072, U.S.A.

Notes:

Section 11 Limited Warranty on Parts

TAYLOR COMPANY LIMITED WARRANTY ON TAYLOR GENUINE PARTS

Taylor Company 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 remanufactured 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.

Table 11-1

Parts 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 buildup 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
750 N. Blackhawk Blvd.
Rockton, IL 61072, U.S.A.

Notes:

Description	Part Number	383 Qty.	384 Qty.	Warr. Class	Remarks	Parts Update
Accumulator-Copper 2” DIA 10”	047062	1		103		
Arm-Torque	014500	1	1	103		
Bearing-Front-Torque*382-384*	052005	1	1	000		
Bearing-Guide	014496	1	1	000		
Bearing-Shell-Rear	051099	1	1	000		
+Guide-Drip Seal	028992	1	1	000		
+Nut-Brass Bearing	028991	1	1	000		
+O-ring-1/2OD X .070W	024278	2	2	000		
+Washer-Bearing Lock	012864	1	1	000		
Bearing-Unit Rear	025629	1	1	103		
Beater A.-Torque *382-384*	X51105	1	1	103		
+Blade-Scraper *382*	051088	2	2	000		
+Clip-Scraper Blade*11-21/32*	051978	2	2	000		
Belt-Poly V-510J10	047049	1	1	000		
Brush-Double Ended-Pump & Feed Tube	013072	1	1	000		
Brush-Draw Valve 1”ODX2”X17”L	013073	1	1	000		
Brush-Mix Pump Body-3”X7”White	023316	1	1	000		
Brush-Rear BRG 1IN.DX2IN.LGX14	013071	1	1	000		
Compressor AKA9462ZXA-AK172BT	049302-12	1		512	115/60/1	
+Capacitor-Run- 25UF/370VAC	023739	1		103	115/60/1	
+Capacitor-Start- 72-88UF/250V	039557-27	1		103	115/60/1	
+Relay-Start-Compressor	045432-12	1		103	115/60/1	
Compressor AKA9462ZXD-AK172ET	049302-27	1		512	208-230/60/1	
+Capacitor-Run- 15UF/370V	027087	1		103		
+Capacitor-Start-72-88UF/330V	039567	1		103		

Description	Part Number	383 Qty.	384 Qty.	Warr. Class	Remarks	Parts Update
+Relay-Start-Compressor	048150	1		103		
Compressor M51B143BBCA	036880-27		1	512	208-230/60/1	
+Capacitor-Run- 25 UF/440V	037431		1	103		
+Capacitor-Start-161-193UF/250V	031790		1	103		
+Relay-Start-Compressor	037430		1	103		
Condenser-AC-12LX16HX2.5T3ROW	048935-SP	1		103		
Condenser-WC-10-1/4DX5-7/8H	018278		1	103		
Cord-Power-230V-15A Plug-75”L	025340-27	1		103	208-230/60/1	
Cord-Power-125V-NEMA 5-20P-6'L	085093	1		103	115/60/1	
Cord-Power-250V-NEMA 6-20P-8'L	046088		1	103	208-230/60/1	
Cover-Hopper-12 Qt	045416	1	1	103		
DEC A.-Plate *382-384*	X51131	1	1	103		
Decal-Clean Inst.-Hopper	019029	1	1	000		
Decal-DEC-380-Flavor Set of 4	050703	1	1	000		
Decal-DEC-Taylor 380*RD30	045967	1	1	000		
Decal-Power Switch-Symbols	046089	1	1	000		
Decal-Troubleshooting	038374	1	1	000		
Diagram-Wiring *383-384*	051948-	1	1	000		
Door A.-Partial *382*	X51098	1	1	103		
+O-ring-8-3/8 ODX.105W	027814	1	1	000	Gasket	
+Knob-Draw Valve-Black Plastic	047358	1	1	103		
+Plate-Draw Spout Mounting	049275	1	1	103		
+Screw-1/4-20X9/16 Thumb-300	047632	2	2	103		
+Plug-Prime *380/1*	046833	1	1	103		
+O-ring-9/32 OD X 1/16 Wall	029751	1	1	000		

Description	Part Number	383 Qty.	384 Qty.	Warr. Class	Remarks	Parts Update
+Spout-Door Zero Waste	049276-BLA	1	1	103		
+O-ring-2.375 OD X 1/16W	046830	1	1	000		
+Spring-Comp.845X.055X3.5-SS	047357	1	1	103		
+Valve-Draw *380/1*Zero Waste	047353	1	1	103		
+O-ring-7/8 OD X .103W	014402	1	1	000		
Dryer-Filter 3/8 X 1/4 Solder	045866		1	000		
Dryer-Filter-HP62-3/8 X 1/4S	048901	1		000		
Gasket-Base Pan *382-384*	051868	1	1	000		
Kit A.-Tune Up *382*	X51255	1	1	000		
Bearing-Front-Torque*382-384	052005	1	1	000		
Bearing-Guide	014496	1	1	000		
O-ring-.291 ID X .080W	018550	1	1	000	Torque Assembly	
O-ring-2.375 OD X 1/16W	046830	1	1	000	Door Spout	
O-ring-7/8 OD X .103W	014402	2	2	000	Draw Valve	
O-ring-8-3/8 ODX.105W	027814	1	1	000	Door Gasket	
O-ring-9/32 OD X 1/16 Wall	029751	1	1	000	Prime Plug	
O-ring-7/8 O.D. X .139W	025307	1	1	000	Drive Shaft	
Seal-Drive Shaft	032560	1	1	000		
Label-Door Caution	032749	1	1	000		
Label-Switch-Power-INT'L SYM	046089-BLA	1	1	000		
Label-Warn-Elec-SGL-ENG/SPN	024313	2	2	000		
Label-Warn-Moving Parts-ENG/SP	024315		3	000		
Label-Warning-Cover	051433	5	5	000		
Label-Warning-Panel-Move Parts	036529	3		000		
Lens-Light *382-384*	051129	1	1	103		

+ Available Separately

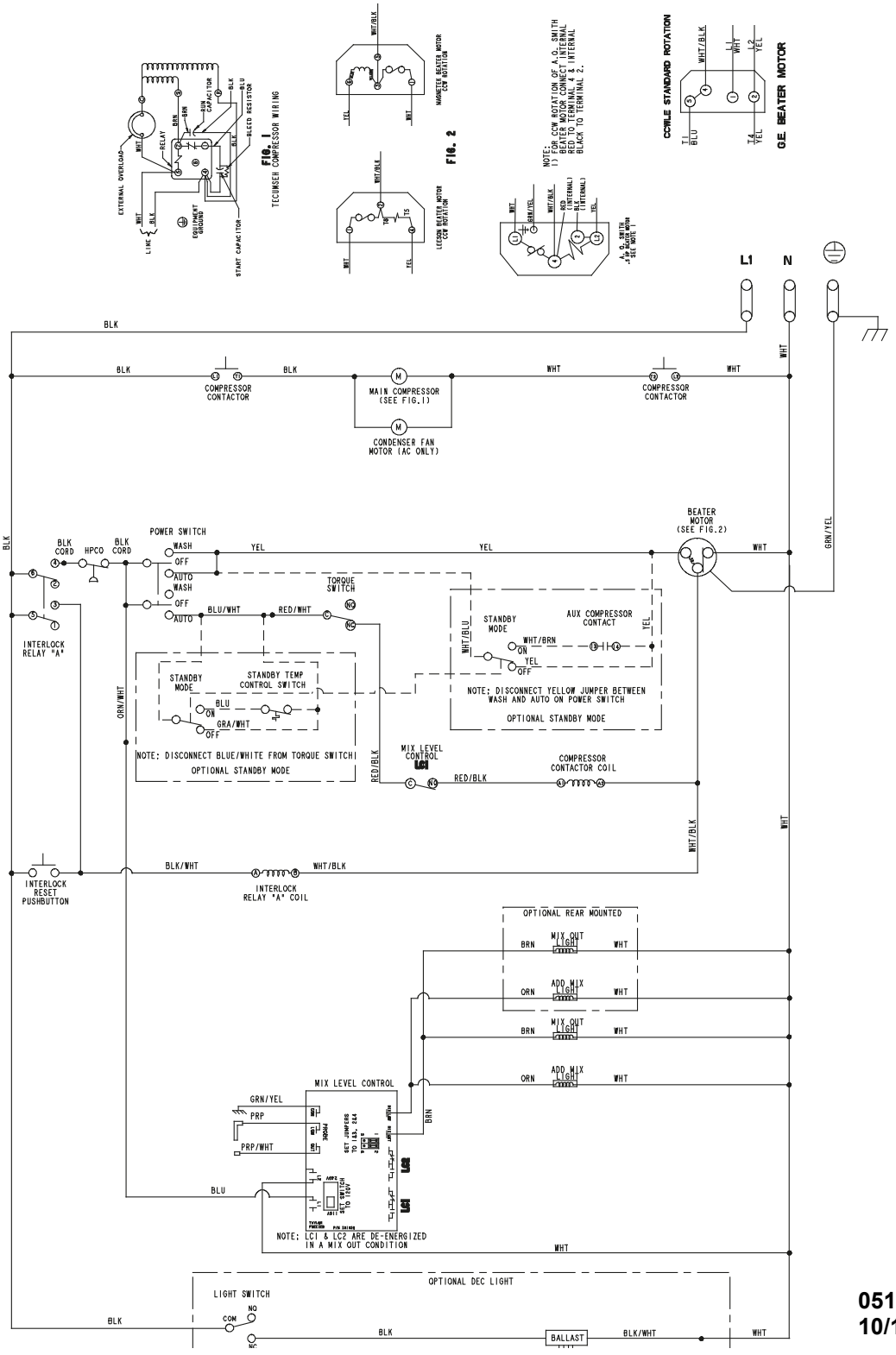
Description	Part Number	383 Qty.	384 Qty.	Warr. Class	Remarks	Parts Update
+Bracket-Light *382-384*	051870	1	1	103		
Light A.-Add Mix-Amber	X47218-	1	1	103		129
Light-Amber-Rectangular-250VAC	047141-	1	1	103	*Add Mix*	
Terminals	026962	2	2	000		
Light-Amber-Rect-Mix Out	050036-	1	1	103	*Mix Low*	
Lubricant-Taylor Hi PERF-4 oz	048232	1	1	000		
Man-Oper 383/384	053083-M	1	1	000		
Motor-1/2 HP	024839-	1	1	212		
Motor-Fan 35W-40”Leads	027817-	1		103		
+Fan-5 Blade 11 ” Push 24DEG CW	035966	1		103		
Nut-Stud *380*RD30*	045644	4	4	103	Handscrews	
Pan-Drip *380/1*	046852	1	1	103		
+Tube-Vinyl 3/8 ID X 9/16 OD	020943-30	1	1	000	Drain	
Panel A.-Front *382*	X51097	1	1	103		
Panel A.-Rear*383-384*	X52116	1	1	103	Includes 2-021106 Nutserts	
Panel-Side *382-3-4*Right	051713	1	1	103		
+Clip-Spring-Side Panel	050877	2	2	103		
Panel-Side Left	052117	1	1	103		
+Clip-Spring-Side Panel	050877	2	2	103		
PCB A.-Dual Mix LVL/CONT. Fill	X41420-SER	1	1	212		
Probe A.-Mix *Square*	X30922	1	1	103		
Probe A.-Mix Out-Square Hole	X41348	1	1	103		
Pulley-10J- 1.125PD-5/8BORE	028857	1	1	103		
Pulley-10J-11”PD-5/8BORE	025570	1	1	103		
Relay-3 Pole-20A-208/240 50/60	012725-	1	1	103		

Description	Part Number	383 Qty.	384 Qty.	Warr. Class	Remarks	Parts Update
Relay-DPDT-20 A-230 V	026581-	1	1	103		
Sanitizer Kay-5 125 Packets	041082	1	1	000		
Shaft-Beater w/Baffle Guide	049270	1	1	103	Added Groove - 7/15/98	133
+O-ring 7/8 O.D. X .139W	025307	1	1	000		133
+Seal-Drive Shaft	032560	1	1	000		
Shelf-Drip Tray*382-384*	052065	1	1	103		
Shell A.-Insulated *382*TORQ	X51112	1	1	512		
+Stud-Freezer Door *383-384*	051950	4	4	103		
Shield-Splash *380/1*	046851	1	1	103		
Switch A.-Torque *382*	X51100	1	1	103		
Arm-Switch-Torque *382*	051101	1	1	103		
Bracket-Torque Control *382*	051086	1	1	103		
Bushing A.-Torque	X50399	1	1	103		
Bushing-Arm-Torque	049737	1	1	103		
Bushing-Pivot-Torque Arm	049739	1	1	103		
Spring-Torque*Black*	015007	1	1	103		
Switch-Lever-SPDT-20A-125-48	027026	1	1	103		
Switch-Pressure 350 psi-Solder	048231		1	103	W/C	
Switch-Pressure 440 psi-Solder	048230	1		103	A/C	
Switch-Pushbutton-SPST	016530	1	1	103		
Switch-Toggle-DPDT*On-Off-On	014464	1	1	103		
+Boot-Toggle Switch	043398	1	1	000		
Torque A. *382*	X51081	1	1	103		
O-ring-Torque	018550	1	1	000		
Tray A.-Drip *380*	X46848	1	1	103		

Description	Part Number	383 Qty.	384 Qty.	Warr. Class	Remarks	Parts Update
Tube A.-Fill *340*Cont. Fill	X43081	1	1	103	Front Panel Drain	
+Washer-Fill Tube .531”IDX7/8OD	043135	1	1	103		
Tube-Capillary .021ID X 9 FT	020059	1	1	103		
Valve-Access 1/4 X 3/8 Solder	029406		2	103		
Valve-Access 1/4FL X 1/4SOLD	044404	1	1	103		
Valve-Access 1/4FL X 3/8SDR-90	044455	1	1	103		
Valve-Access-1/4 MFLX1/4 S-90	047016	1	1	103		
Valve-EPR 1/4S	022665	1	1	103		
Valve-EXP-Thermo-1/4S X 1/4F	051578	1	1	103		
+Boot-Expansion Valve	050900	1	1	000		
Valve-Water 3/8 Reg/Head Press	046686		1	103		
Continous Fill						
Diagram-Wiring *383-4*CONT.FIL	051949-	1	1	000		
Label-Switch-Off/Fill-INTL SYM	051971-BLA	1	1	000		
Probe A.-Mix Low-Hopper	X51804	1	1	103		
Relay-DPDT-20 A-230 V	026581-27		3	103	208-240/60/1	
Resistor A.-Delay Timer*383-4*	X52008-	1	1	103		
Shell A.-INS.*383-384*Torque	X51112-SP	1	1	512		
Switch-Toggle-DPST	075772	1	1	103		
Timer A.-Delay On Make-2 Min.	X49541-	1	1	103		
Tube A.-Fill *340*Cont. Fill	X43081	1	1	103		
Valve A.-Solenoid*383-384*C/F	X52011-	1	1	103		
Adaptor-1/4MPT X 1/4BARB-NYL	021630	1	1	103		
Clamp-Hose	010031	1	1	000		
Armaflex-5/8 ID X 3/8WALL	032650-16	1	1	000		

Description	Part Number	383 Qty.	384 Qty.	Warr. Class	Remarks	Parts Update
Elbow-1/4MP X 3/8BARB-Plastic	016487	1	1	000		
Hose-Beverage-3/8 ID X 5/8 O	020565-16	1	1	000		
Valve-Solenoid Syrup	051396-	1	1	103		
Varistor A.-130VAC	X49300	1		103	115/60/1	
Varistor A.-280VAC	X34664	1	1	103	208-240/60/1	
Generic Decals						
Panel A.-Front *382-384*	X51097-GEN	1	1	103		
Panel-Side *382-384*Right	051713-GEN	1	1	103		
Panel-Side L.*382-384*Generic	052117-GEN	1	1	103		
Water-Cooled						
Condenser-WC-Coax	048287	1	1	103		
Hose-Rubber 1/2”ID X 7/8”OD	R50200	4Ft	4Ft	000		
Receiver A. *383*WC*HP62*	X51452	1	1	103		
Switch-Pressure 350 psi-Solder	048231	1	1	103		
Valve-Water 3/8 Reg/Head Press	046686	1	1	103		
(384 is available as a water-cooled unit only)						
50 Hz						
Compressor AKA9462ZXC-AK172JT	049302-40	1		512	220-240/50/1	
+Capacitor-Run- 15UF/370V	027087	1		103		
+Capacitor-Start- 72-88UF/330V	039567	1		103		
+Relay-Start-Compressor	041064	1		103		
Compressor M51B143BBKA	036880-34		1	512	220-240/50/1	
+Capacitor-Run- 20UF/440V	012906		1	103		
+Capacitor-Start-124-149UF/250V	047069		1	103		
+Relay-Start-Compressor	038146		1	103		

Description	Part Number	383 Qty.	384 Qty.	Warr. Class	Remarks	Parts Update
Diagram-Wiring *383-384*	051948-40	1	1	000		
Motor-1/2 HP	024839-34	1	1	212		
Motor-Fan 23.2 Watt	027817-34	1	1	103		



051948-12
10/12

Figure 11-1

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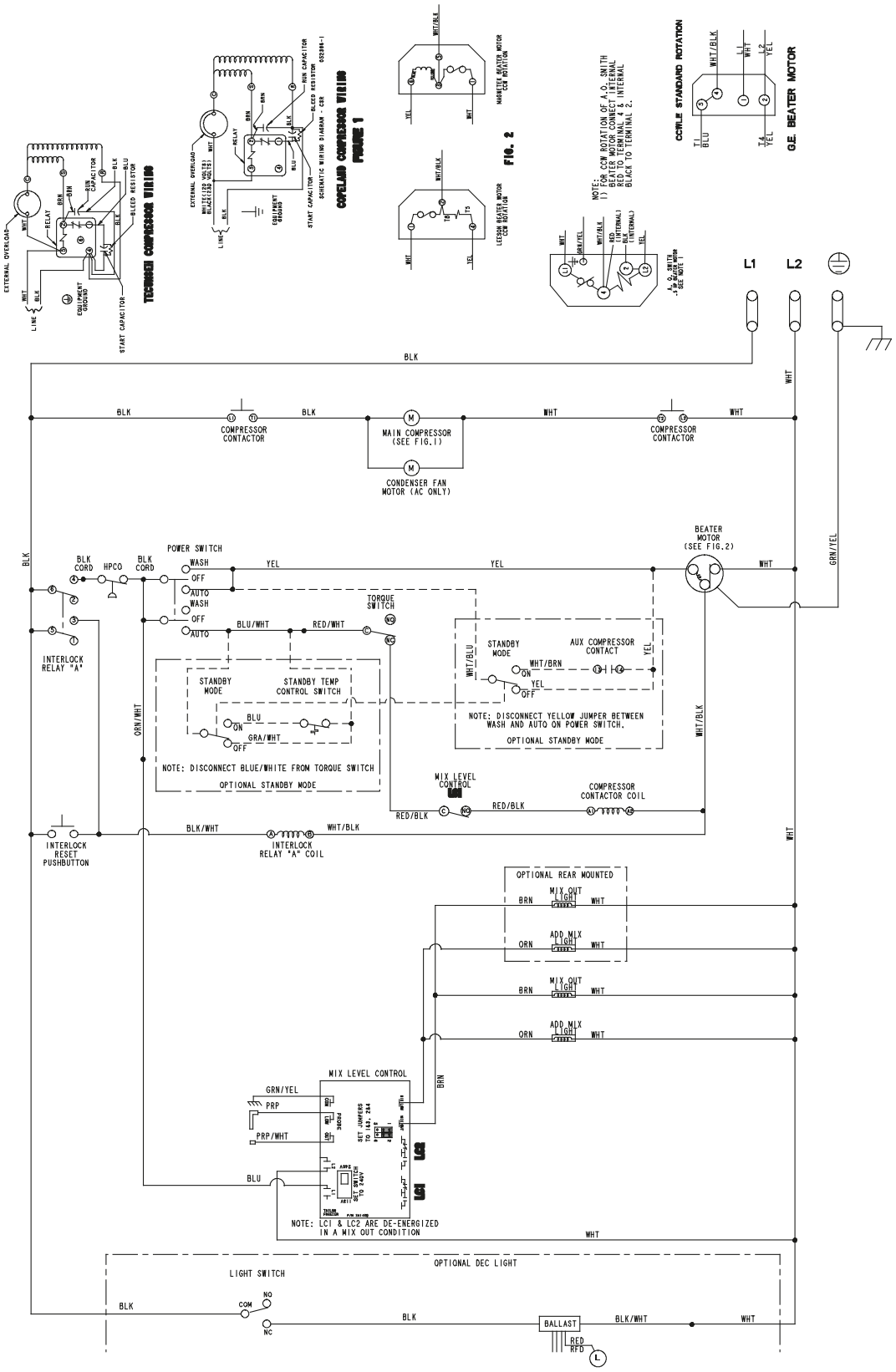

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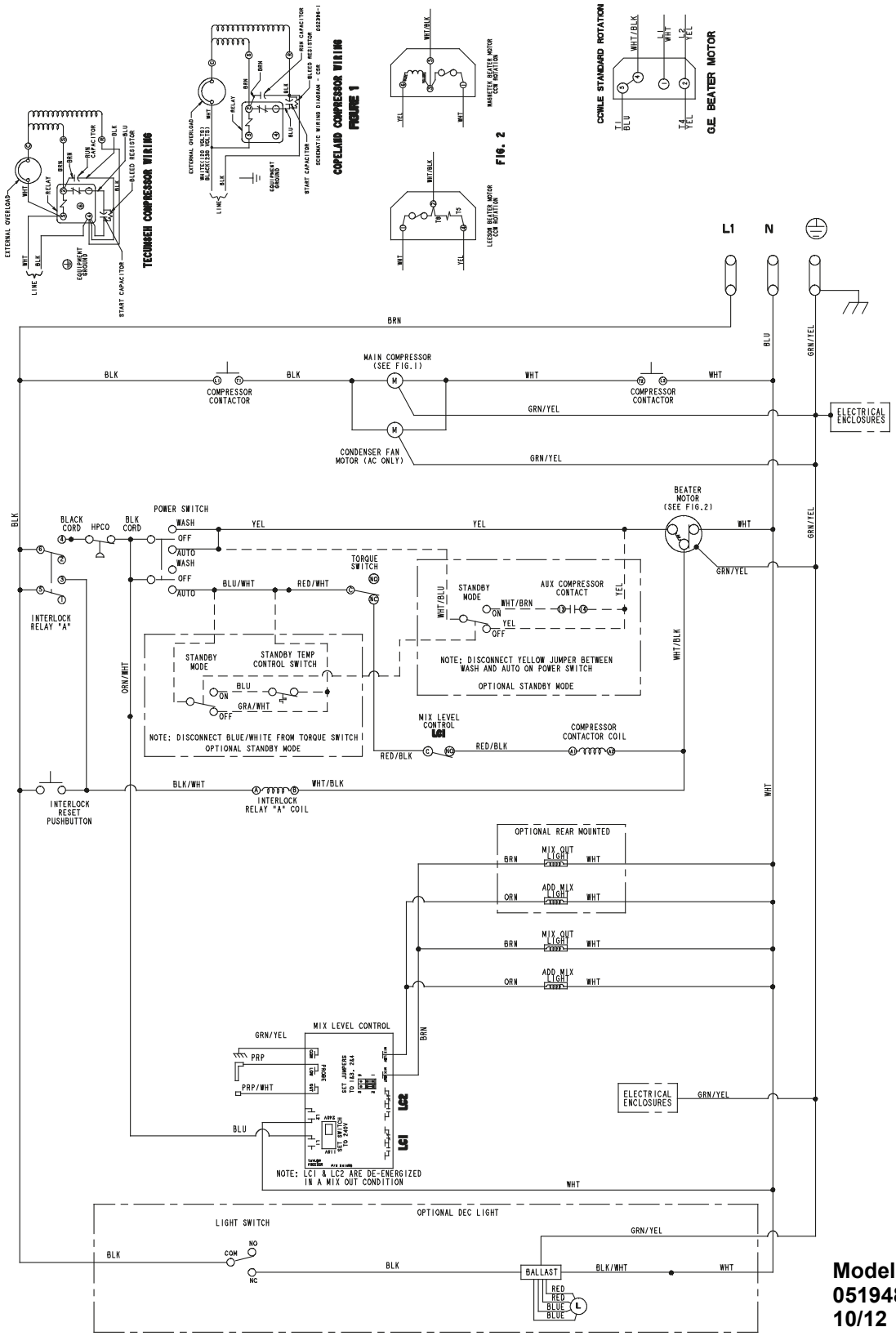
Figure 11-2



Models 383/384
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Figure 11-3

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Notes: