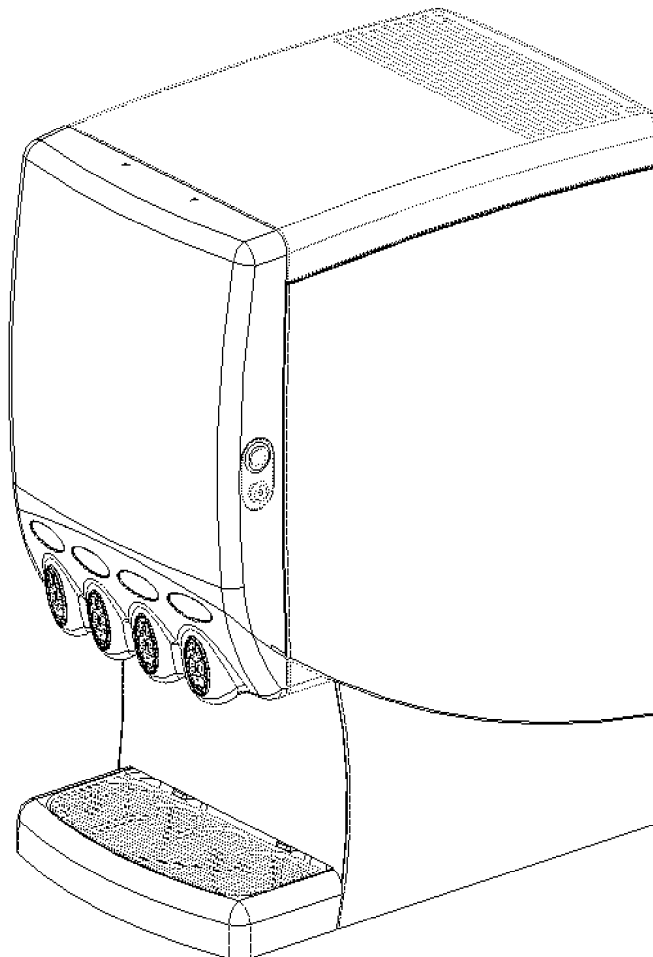


INSTALLATION & SERVICE MANUAL

MODEL QST 4000

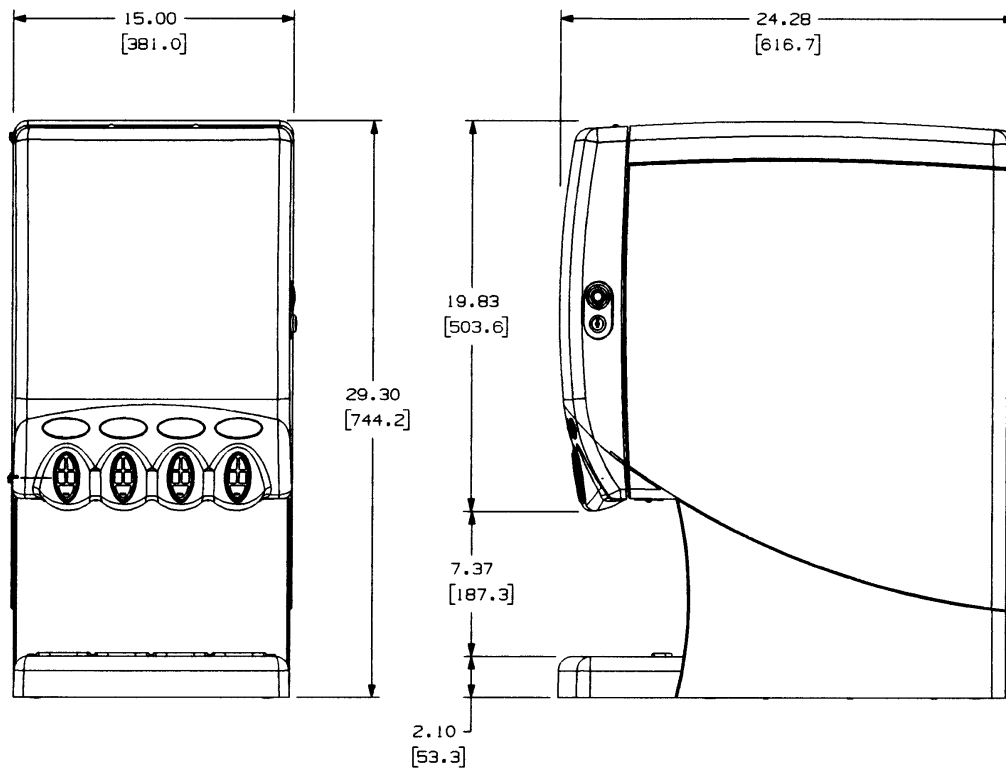


IMI CORNELIUS FOODSERVICE GROUP
One Cornelius Place
Anoka, MN 55303
Tel: 1-888-248-5568 / 630-539-5050
Fax: 1-800-344-3801 / 630-539-6960
Part No. 720506904 Rev. B
Revision - April 15, 2002

Table of Contents

UNIT SPECIFICATIONS	1
Installation	2
Receiving	2
Unpacking	2
Counter Location	2
Filling the Ice Bath	2
Connecting Water Supply	3
Electrical	3
Priming/Flushing Water System	3
Programming the Portion Control	3
Cancel/Pour Button	4
Concentrate Handling & Loading	5
Loading Concentrate	5
Changing Concentrate Containers:	5
Brixing Procedure	6
Supplies	6
Checking/Adjusting the Brix Setting	6
Planned Maintenance Schedule	8
Daily	8
Weekly	8
Semi-Annual	9
Annually	10
Trouble-Shooting Guide	12
Diagrams and Final Assemblies	16
Recommended Spare Parts List 115V	41
Recommended Spare Parts List 230V	42
Warranty	43

UNIT SPECIFICATIONS



Nameplate Data: Model QST 4000, 115 VAC, 4.5 amps, 1 phase 60 hertz, 6.25 oz. (177g) R-134a refrigerant. Test press: High side 400 psi (27.6 bar). Low side 100 psi (6.9 bar).
Model QST 4000, 230VAC, 3 amps, 1 phase 50 hertz, 6.25 oz. (177g) R-134a refrigerant. Test press: High side 400 psi (27.6 bar). Low side 100 psi (6.9 bar).

Concentrate Storage: Four 0.8 gallon (3.0 liter) disposable bottles.

Clearance Recommended: 12" (30.48 cm) on top and 4" (10.16 cm) required in back for air circulation.

Electrical Connection: 6 ft. long (1.83 m) power cord with 3-prong plug attached to dispenser. Export models have line cord less plug.

Power Supply: 15 amps at 120 volts dedicated power supply.
10 amps at 230 volts dedicated power supply.

Water Connection: 3/8 in. (0.95 cm) SAE male flare fitting on dispenser.

Water Supply Requirements: 100 psi (7 bar) maximum static pressure. 20 psi (1.4 bar) minimum dynamic pressure; i.e., flowing pressure measured at dispenser water inlet with 3.0 ounces (88.7 ml) per second water flow.

Ice Bank/Pull Down: Weight 11-12 lbs. (4.1-4.5 kg.). Pull Down: 3 hours at 75°F (24°C)

Drink Capacity: 143 drinks at (3) 12 oz. drinks per minute not exceeding 45°F (7°C), 75°F ambient/75°F water (24°C/24°C)
88 drinks at (3) 12 oz. drinks per minute not exceeding 45°F (7°C), 90°F ambient/90°F water (32°C/32°C)

INSTALLATION

RECEIVING

Each unit is completely tested and inspected before shipment. At time of shipment, the carrier accepts the unit and any claim for damage must be made with the carrier.

Upon receiving from the carrier, please inspect the carton for visible damage. If damage exists, have the carrier make a note on the bill of lading and file a claim with the carrier.

UNPACKING

- Remove staples securing carton to pallet.
- Lift carton up and off of unit.
- Remove inserts and shipping bag.
- Open upper cabinet door and remove installation kit.
- Remove bolts securing unit to pallet.
- Lift unit off of pallet.

NOTE: Do not lay the unit on sides or on the back. This may cause vital oils to drain from the compressor resulting in damage during start-up and consequently voiding the warranty.

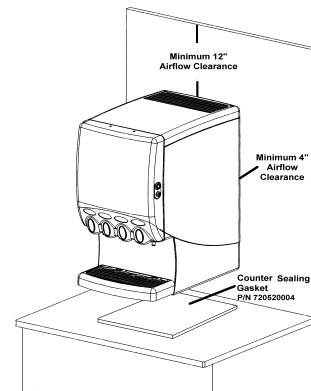
COUNTER LOCATION

Select a location in a well ventilated area, close to a grounded electrical outlet. If possible do not place the unit close to hot and/or steaming machines.

The minimum airflow clearance is: 4" (10.16 cm) in back and 12" (30.48 cm) on top and open to the front.

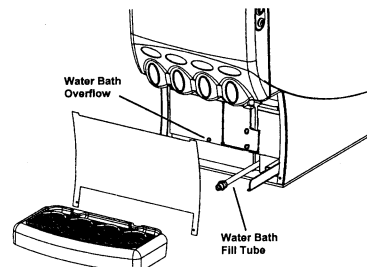
IMPORTANT: Condenser air is drawn in from the bottom of the rear panel and discharged out the top of the rear panel. Failure to maintain clearance space will reduce capacity of the unit and cause premature compressor failure.

Typically the dispenser is placed directly on the counter and a food grade silicone sealant applied around the base. However, 4" legs that screw into the base of the unit are provided. This eliminates the need to seal the unit to the counter.



FILLING THE ICE BATH

The ice bath holds approximately 3 gallons (11.4 liter) of water. The fill tube is located behind the front splash plate and capped with a 3/8" (0.95 cm) male flare connector. Prior to attaching the water supply line to the dispenser, use it to fill the ice bath by attaching it to the connector on the fill tube.



Slowly open the water shut off valve and fill the ice bath until water trickles from the overflow. This is the quickest and easiest way to fill the ice bath.

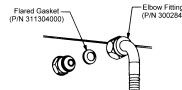
Once the ice bath is full, store the fill tube in the vertically recessed holder. The fill tube can now be used as a “sight glass” to monitor the water level in the ice bath.

CONNECTING WATER SUPPLY

The QST series Juice Dispenser is designed to dispense juice at a high flow rate. It is very important that the incoming water line be dedicated for use by the dispenser only and does not have other machines connected which could cause a water surge, (i.e., a dishwasher, coffee maker, etc.).

IMPORTANT: The water supply should be consistent with proper water quality standards (neutral pH of 7.0 to 8.0), and should not be connected to a water softener. It is the installers responsibility to ensure that all water connections to the dispenser are sized, installed, and maintained according to Federal, State, and Local Laws.

1. Secure the 3/8" (0.95 cm) swivel nut on the flexible supply tubing to the water inlet located at the rear of the dispenser. Make sure that the flared gasket is used (tubing and flared gasket are included with the installation kit).
2. When securing flare nut, use a backup wrench on the male side of the inlet fitting (unit side) to prevent twisting of the copper tube inside the unit and/or possible damage to the water strainer/solenoid. A water shut off outside the unit is recommended.

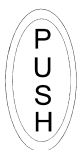
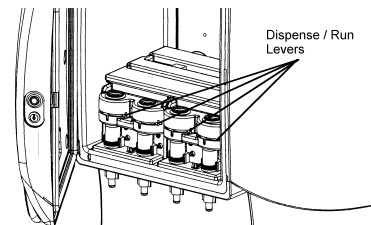


ELECTRICAL

A minimum of 15 amps electrical service is needed for 120VAC power supply.

PRIMING/FLUSHING WATER SYSTEM

To properly prime the unit with water and remove air pockets in the system, open the cabinet door and make sure that all the valve levers are in the “Dispense” position.



Close the door and press the dispense button for a few seconds. Repeat until a steady flow of water is observed flowing from all dispense valves.

NOTE: Water splashing may occur during this purge cycle.

PROGRAMMING THE PORTION CONTROL

If your dispenser has optional portion controls, they have been pre-programmed from the factory to pour 7, 12, and 16 ounce drinks. The “extra large” (pitcher icon) size has also been pre-programmed to pour 16 ounces. To change the pour sizes, please follow the instructions below:

1. Simultaneously, press and hold “small” and “extra large” push button switches on the Portion Control Module until the “Refill” light starts blinking. Release the switches. The blinking Refill light indicates the programming mode is active.
2. Place the cup under the dispense nozzle and push the selected size button (small, medium, large, or extra large). Hold the button in until the cup fills to the desired portion, then release the button. Repeat the above procedure for the remaining sizes.



3. After programming all the drink sizes, press and release the “cancel/pour” switch to return the Portion Control to the operational mode. The blinking REFILL light will go out.



If at a future date it is decided to change the portion size of the drinks, the individual sizes can be adjusted by the above procedure. It is not necessary to reprogram every size. Additionally the portion control has full memory retention in case of a power failure.

CANCEL/POUR BUTTON



To pour a drink without using a pre-programmed portion control size, simply push and hold the Cancel/Pour button. Release when the glass is full.

CONCENTRATE HANDLING & LOADING

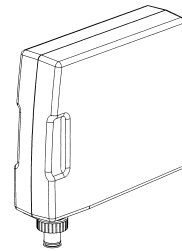
It is recommended that the concentrate be thawed in a refrigerated 35°F-40°F (1.6°C-4.4°C) compartment for a minimum of 48 hours prior to loading into the Quest Juice Dispenser.



WARNING: Concentrate must be completely thawed and within the temperature range of 35°F-40°F (1.6°C-4.4°C) prior to loading. Failing to supply concentrate inside the recommended temperature range, especially below 35°F (1.6°C), will cause an out of brix drink (refer to the Brixing Procedure section for details).

LOADING CONCENTRATE

The Quest Juice Dispenser is designed to use either disposable juice concentrate containers or the optional Cornelius generic refillable container sold separately.



1. Thoroughly shake concentrate prior to use.
2. Place concentrate containers on the dispensing platform shelf inside the refrigerated cabinet.
3. Engage the concentrate container by pressing it downward into the bottle adapter opening on the dispensing platform.

NOTE: Be sure to lubricate the o-ring seal on the container nozzle. This will ensure a good seal and allow the pumps to draw concentrated from the containers more easily. Failure to create a good seal at this connection may result in weak drinks and/or seepage of concentrate.

4. Prime each pump by closing the cabinet door and press each dispense button until concentrate flows from the dispense nozzles.

CHANGING CONCENTRATE CONTAINERS:

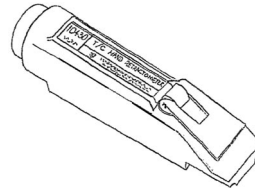
1. Open the cabinet door and move the valve handle from "Dispense" to "Flush"
2. Close the door. Depress and hold the dispense button until clear water flows from the dispense nozzle.
3. Open the cabinet door and return the handle to "Dispense".
4. Depress and hold the dispense button for 1-2 seconds. This will relieve water pressure from the concentrate pump system.
5. Load concentrate container (see *Loading Concentrate*).

BRIXING PROCEDURE

NOTE: If concentrate is not properly thawed, it will adversely affect the amount of concentrate dispensed. Thawed product should be between 35°F/1.6°C to 40°F/4.4°C.

SUPPLIES

- 1-Small 12 oz. cup (354.8 ml)
- 1-Large 21 oz. cup (621.1 ml)
- 1-Straw
- Paper Toweling
- 1-Thermometer
- 1-Refractometer



You will also need a flat blade screwdriver to turn a screw if brix adjustments are required.

NOTE: The refractometer shown above, P/N 511004000, is available through your local Cornelius Distributor.

CHECKING/ADJUSTING THE BRIX SETTING

The following instructions are for use with a refractometer.

1. Dispense approximately 8 oz. (236 ml) of drink and discard. Now draw a second 8 oz. drink.
2. Check drink temperature with a reliable thermometer (target is 35-45°F, or 1.6-7.2°C). Discard this drink after checking temperature.

NOTE: If drink temperature is not within the target range, refer to the basic troubleshooting section.

3. Dispense a 12 oz (354.8 ml) drink sample into a clean, dry cup. Thoroughly stir the sample using a straw.
4. Using a straw, transfer a small sample of finished drink to the refractometer lens (refer to operating instructions supplied with your refractometer). Check the brix reading against the brix chart below.

Note: The following brix chart is generic and intended for reference use only. Contact your frozen concentrate supplier for specific brix readings.

Brix Reference Chart		
Flavor	Ratio	Brix
Orange Juice	4+1	11.8
Grapefruit Juice	5+1	10.6
Cranberry Cocktail	4+1	13.5
Apple Juice	5+1	12.0
Grape	5+1	13.0
Lemonade	5+1	10.5
Tropical Punch	5+1	11.8
Sweetened Iced Tea	7+1	6.0
Pineapple Juice	4+1	12.8
Prune Juice	2+1	16.0

5. To change the brix setting, simply readjust the water flow rate. Located on each of the valve assemblies inside the refrigerated compartment are the adjusting screws for the water flow rate (one per valve).

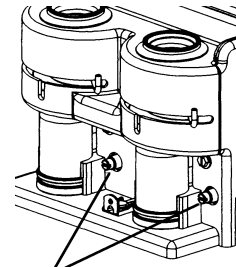
If the brix reading is too high or low, rotate the appropriate water flow control according to the diagram below. Repeat steps 1-5 until the brix setting is achieved.



Lowens Brix by increasing water



Raises Brix by reducing water



Water Flow Controls

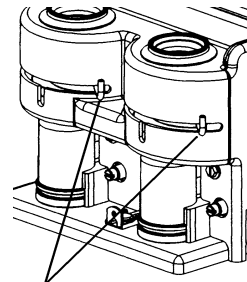
IMPORTANT: When making changes to the water flow control, do not rotate more than 1/4 turn per adjustment. Additionally, prior to taking your next brix reading, “tap” the corresponding dispense button several times prior to drawing a sample. This will clear remnant drink from the dispense nozzle AND help move the flow control to its new setting.

PLANNED MAINTENANCE SCHEDULE

DAILY

Flush System:

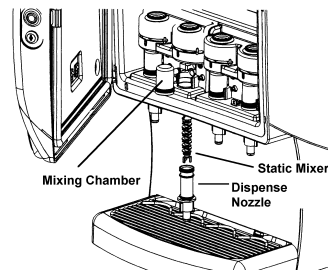
1. Move Dispense/Flush levers located on the platform assembly in the refrigerated cabinet to the "Flush" position. Place an empty cup on the drip tray below each dispense nozzle.
2. Close the door and depress each dispense button for 2-3 seconds or until clear water flows from each dispense nozzle.
3. Return the Dispense/Flush levers to the "Dispense" position.
4. Press each dispense button for 1-2 seconds to release the water pressure present in the concentrate pump system.



Dispense / Flush Lever

Clean Splash Zones & Dispense Nozzles:

1. On a daily basis, clean the external cabinet and splash areas using a clean damp cloth. Remove and wash the cup rest and drip tray using a mild dish soap.
2. Remove the dispense nozzles and static mixers by rotating each 90° and pulling down. Remove the mixing chambers by pulling straight forward. Wash using a mild dish soap.



IMPORTANT: DO NOT wash nozzles, static mixers, or mixing chambers in a dish washer. This will distort the plastic and damage the o-rings. Additionally, do not soak them in sanitizing solution longer than 2 minutes.

WEEKLY

Check concentrate to water brix ratio (refer to the Brixing Procedure in this manual).

Sanitize the Juice Dispenser:

STEP 1 - RINSE WITH HOT WATER

1. Prepare two 2 oz. packets of Stera-Sheen[®] Green Label sanitizing solution (or similar brand) by dissolving each packet in 1 gallon (3.8L) of potable water to insure 200 ppm of available chlorine.

IMPORTANT: Use potable water at 80°F-100°F (26.7°C-37.8°C). Water above this range will breakdown the chlorine count and minimize sanitation.

2. Remove the juice concentrate containers and place them in separate refrigerated compartment.
3. "Flush" the system by following the instructions in the Daily Section.

4. Fill a clean empty concentrate container with one quart of extremely hot tap water, approximately 140°F (60°C) and place into unit. Dispense all of the hot water into a large container. Repeat for the remaining dispense valves.
5. Remove the mixing chambers, nozzles, and static mixers. Rinse in hot water to remove excess pulp and concentrate.
6. Place the mixing chambers, nozzles, and static mixers in a separate container of sanitizing solution and agitate vigorously. Allow the parts to soak for two minutes. Rinse thoroughly with fresh tap water.
7. Reinstall the static mixer, nozzles, and mixing chambers.

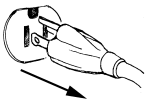
STEP 2 - SANITIZE PUMP SYSTEM

8. Fill a clean concentrate container with 2 quarts (1.9L) of fresh sanitizing solution.
9. Place handles in the “dispense” position and close the door.
10. Press and hold the dispense button for 90 seconds then stop. Allow sanitizing solution to remain in the lines for 5 minutes.
11. After 5 minutes, dispense the remaining sanitizing solution.

STEP 3 - PREPARE DISPENSER FOR USE

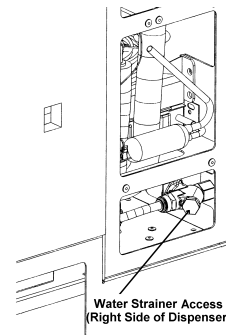
12. Replace sanitizing solution container with a concentrate container and close the door.
13. Press and hold the dispense button until juice appears from the nozzle. Next dispense and discard at least two 8 oz. (236.6ML) cups of juice in order to prime the system and prepare it for operation.

SEMI-ANNUAL

	CAUTION: The following procedures require removal of the dispenser side panel(s). Disconnect the power cord from the receptacle prior to proceeding.	
---	---	---

Clean Water Inlet Strainer:

1. Remove the right side panel from the dispenser.
2. Turn off the water supply to the dispenser.
3. Remove the access port from the “Y” shaped water inlet solenoid located on the right side of the dispenser.
4. Clean and reinstall the stainless steel water strainer.



Clean Chassis Interior:

1. Clean the condenser cooling fins.
2. Clean the air inlet grilles located on the rear and top panels of the dispenser.
3. Clean the interior base.
4. Wipe the fan blade clean.
5. Reinstall the right side panel, turn on the water supply, and plug the dispenser into the power receptacle.

Check and Top-Off Water Ice Bath:

1. Remove the drip tray and lower splash panel.
2. If the Ice bath level is below the "Full" indicator, top it off with water. Refer to the Filling the Ice Bath procedure in the Installation section of this manual.

ANNUALLY

Replace Pump Tubing:

A replacement pump tubing kit, part#45098, is available. The kit consists of one pre-cut length of pump tubing, two white plastic hose clamps, and instructions.

Removing Pump Platform(s):

1. Remove the concentrate containers from the dispenser and place them in a refrigerator.
2. Remove the cabinet shelf that the concentrate containers sit on.
3. Flush the system prior to removing the pump platform (refer to the Daily section located at the beginning of the Planned Maintenance Schedule). Remove the dispense nozzles and static mixers.
4. Unplug the water line quick disconnect by pressing the gray button (see Fig. 1&2).
5. Slide the locking latch forward. Lift the platform slightly and pull forward to gain access to the electrical connector (see Fig.1).
6. Unplug the electrical connector by squeezing the locking tabs on either side and pulling out the connector. Lift and remove the pump platform (see Fig.1).

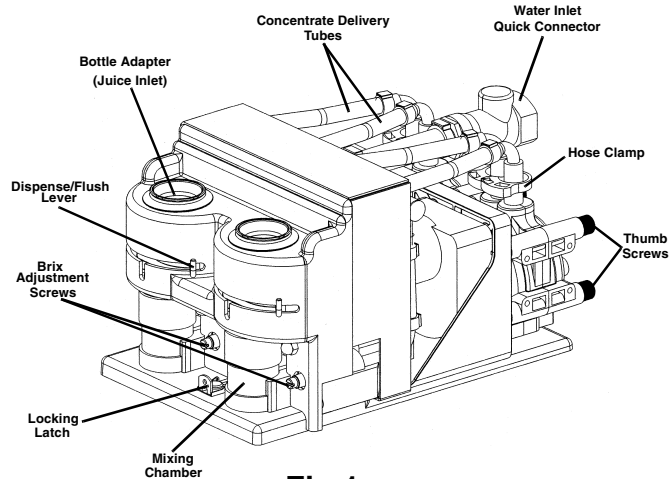


Fig.1

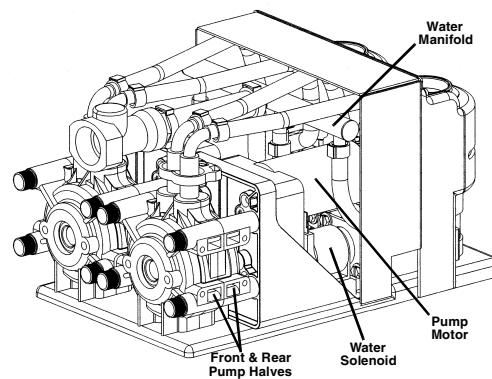
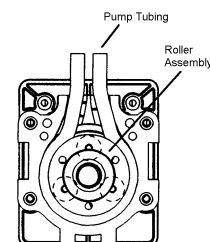


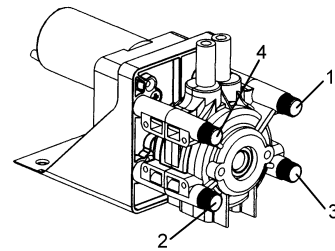
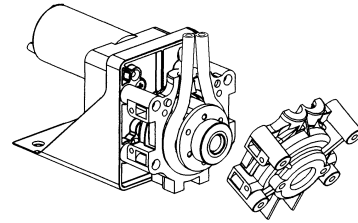
Fig.2

Replacing Pump Tubing:

1. Remove pump platform (refer to the Removing Pump Platform(s) procedure located earlier in this section).
2. Remove the two white plastic hose clamps from the pump tube connections (see Fig. 1&2). Remove the concentrate delivery tubes from the hose ends.
3. Loosen and remove the four thumb screws from the pump body.
4. Remove the rear pump body half **only** to reveal the pump tube and rollers.



5. Remove the old pump tube from the pump body. If the roller assembly comes out with the tubing, place it back into the pump housing being sure to align the roller assembly shaft keyway to the motor shaft so that the two interlock.
6. Firmly press the new hose into the pump body around the roller assembly, being sure to keep the protruding ends even with each other.
7. Once the tubing is in place, hold the tubing with one hand, capture the lower part of the tubing with the outer housing, then proceed to capture the shaft of the roller assembly and push the rear pump housing into place. Make sure to capture the tubing within the body and not pinch it between the halves. Do not use any tool other than your finger tips to manipulate the tubing into the housing or you may damage the tube.
8. While holding the pump halves together with your hand, re-insert the four thumb screws and tighten using a criss-cross pattern as shown. The thumb screws should be tightened about 1/4 turn beyond snug.
9. Insert the two concentrate delivery tubes into the pump tubing ends and secure them using the new hose clamps supplied in the kit. Be sure to use pliers to squeeze and tighten the hose clamps.



TROUBLE-SHOOTING GUIDE

The following pages contain trouble-shooting information intended to aid an experienced service person in diagnosing operational problems that may occur. For further assistance, contact the IMI Cornelius Technical Services department at 1-888-248-5568 (630-539-6850 outside the United States) between the hours of 7:30A.M. and 5:00P.M. Central Standard Time. You must have the model and serial number (Located on the right side of the dispenser) prior to calling.

PROBLEM	PROBABLE CAUSE	REMEDY
Totally Inoperative	<ul style="list-style-type: none"> No power to dispenser due to tripped circuit breaker Loose or broken power supply connection inside dispenser. 	<ul style="list-style-type: none"> Reset circuit breaker. Confirm that breaker is correct size and no other equipment is operating on the same circuit. Also confirm that supply voltage is +/- 10% of nameplate specifications. Repair connection.
No cooling	<ul style="list-style-type: none"> Line voltage is not within +/- 10% of nameplate specifications causing compressor overload to trip No water in water ice bath or water level extremely low exposing the ice bank sensing probe Defective Ice Bank Control or sensing probe Cabinet fan is inoperative resulting in warm concentrate (water continues to cool) Compressor short cycles on overload Compressor starts but hums and trips overload Defective compressor overload or start capacitor Compressor starts but does not switch off of start winding Refrigerant leak 	<ul style="list-style-type: none"> Contact an electrician Fill ice bath to proper water level Replace Replace Excessively high discharge pressure due to restricted condenser or inoperative condenser fan motor Seized or shorted compressor, replace Test and replace Relay or compressor is defective. Test and replace faulty item Repair leak, evacuate and recharge system
No water dispensed, concentrate only	<ul style="list-style-type: none"> No water to dispenser Water supply line inside refrigerated cabinet disconnected from pump platform 	<ul style="list-style-type: none"> Restore Water Reconnect

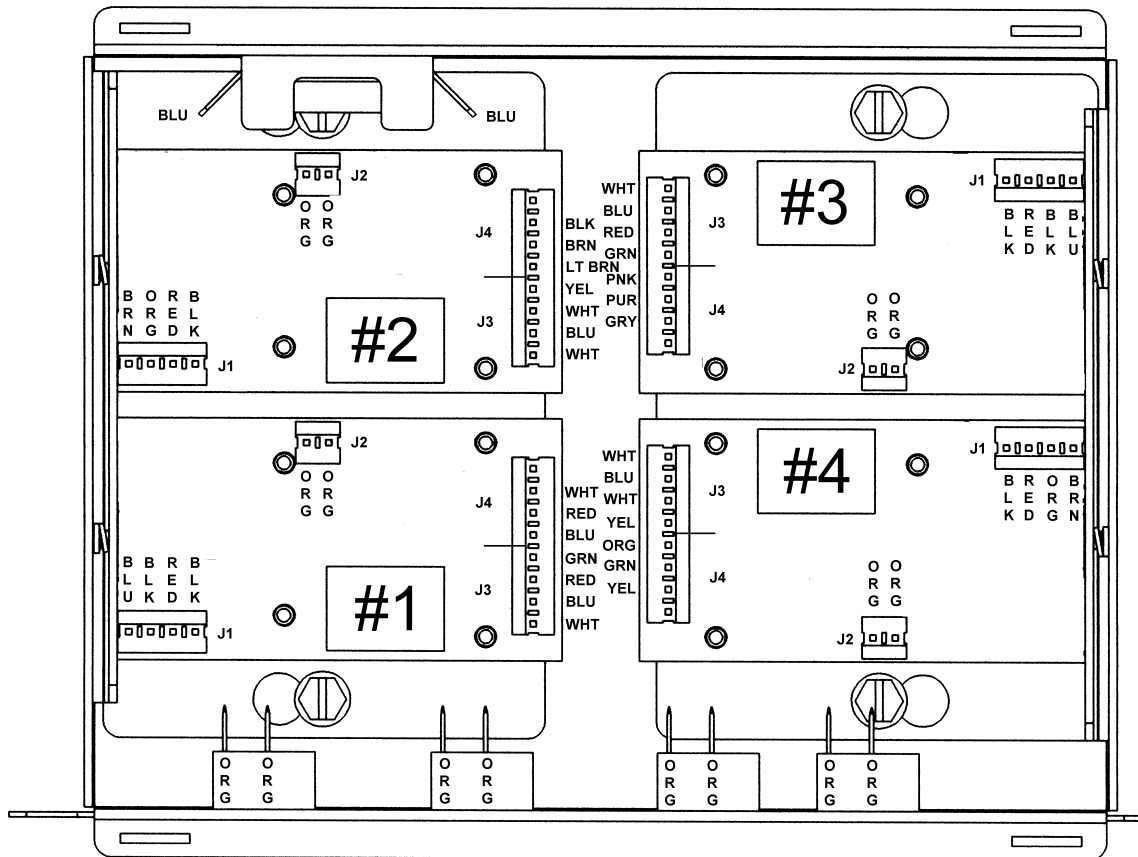
PROBLEM	PROBABLE CAUSE	REMEDY
No water dispensed, concentrate only (continued)	<ul style="list-style-type: none"> Water solenoid located on pump platform clogged or defective Main water solenoid/strainer located at the rear of dispenser is clogged, binding or defective Water supply pressure is greater than 100 psi (7 bar) forcing the brix flow control closed Freeze-up of water coil in ice bath 	<ul style="list-style-type: none"> Disassemble and clean solenoid. Replace if necessary. Remove and clean strainer. Confirm 28VDC is present at solenoid during dispense. Confirm solenoid coil is not open. Disassemble and clean solenoid. Add external regulator and lower pressure to 40 psi (3 bar) Unplug dispenser and allow 2-4 hours to thaw. Check operation of agitator motor and ice bank control. Refrigeration system may be low on charge resulting in a deformed ice bank and freeze-up of the water coil in the ice bath.
No water and no concentrate, refrigeration is working	<ul style="list-style-type: none"> Black service switch located on the rear of the cabinet door in OFF position White door switch open 6.25 amp fuse inside front electrical box blown No output from Transformer Defective voltage regulator board (VRB) located inside front electrical box Defective dispense push button or portion control board 	<ul style="list-style-type: none"> Turn on switch Door switch must be closed in order to dispense. Check switch operation and replace if necessary. Replace with 6.25, 250VAC slow blow fuse and test Confirm transformer output by of 26VAC +/- 2. Replace transformer if necessary. Measure across the VDC output of the board. There should be 28VDC present when the dispense button is pressed. Replaced VRB if necessary. Test and replace if necessary
No concentrate dispensed, water only	<ul style="list-style-type: none"> Concentrate container not fully engaged into receptacle on pump platform Dispense/Flush lever in FLUSH position Concentrate too cold, not properly thawed Defective pump motor 	<ul style="list-style-type: none"> Refer to Concentrate Loading section of this manual Move lever to DISPENSE position Concentrate should be 35-40°F (1.7-4.5°C) prior to loading Replace pump motor

PROBLEM	PROBABLE CAUSE	REMEDY
Warm Drink	<ul style="list-style-type: none"> Ambient air around dispenser is too warm Excessive demand on dispenser Dirty condenser coil Inoperative condenser fan Defective Ice Bank Control Loss of refrigerant charge due to leak in system 	<ul style="list-style-type: none"> Relocate dispenser Add water pre-cooler or second dispenser Clean condenser coil Replace condenser fan motor Test and replace if necessary Repair leak and recharge system
Water continuously drips from nozzle when in OFF mode	<ul style="list-style-type: none"> Main water solenoid at base of unit or water solenoid on pump platform not shutting off tightly 	<ul style="list-style-type: none"> Clean solenoid(s), replace parts as necessary (refer to the Planned Maintenance Section)
Concentrate warm, water cold	<ul style="list-style-type: none"> Cabinet fan inoperable Agitator motor/pump inoperable or restricted Loss of refrigerant charge due to leak in system 	<ul style="list-style-type: none"> Check/replace fan Check/replace agitator motor Repair leak and recharge system
Brix Problem	<ul style="list-style-type: none"> Water supply pressure too low, less than 20 psi (1.4 bar) flowing water pressure fluctuates sharply Water flow control binding or spring is defective Improperly thawed concentrate. Brix changes as the concentrate temperature changes (concentrate becomes thinner as temperature rises) 	<ul style="list-style-type: none"> Correct water supply problem to ensure a constant 40 psi (3 bar) flowing to the dispenser Clean and/or replace parts as necessary Concentrate should be 35-40°F (1.7-4.5°C) prior to loading
Pump Inoperative	<ul style="list-style-type: none"> Pump motor defective No power to transformer or no 28VAC output from transformer Defective voltage regulator board (VRB) located inside front electrical box Defective dispense control board (Push button or portion control) 	<ul style="list-style-type: none"> 28VDC should be present at pump motor during dispense. If voltage is present and motor does not start, replace pump motor Confirm transformer has line voltage present on primary side. If no 28VAC output from the secondary replace transformer Confirm board produces 28VDC present when the dispense button is pressed (refer to the Electrical Box Wiring Diagram for VDC output location). Replace VRB if necessary Test and replace if necessary

PROBLEM	PROBABLE CAUSE	REMEDY
Machine continues to dispense after dispense button is released or dispenses without operator input	<ul style="list-style-type: none"> • Push button or portion control pad stuck in on position • Relay on voltage regulator board (VRB) stuck on. 	<ul style="list-style-type: none"> • Disconnect the wire harness from the rear of the portion control and close the door. If unit does not dispense on its own the dispense control board is bad (stuck on) • Disconnect the 4-wire harness from the lower right corner of the VRB. If the unit continues to dispense on its own the VRB is defective (relay stuck on)



Main Electrical Box Wiring Diagram



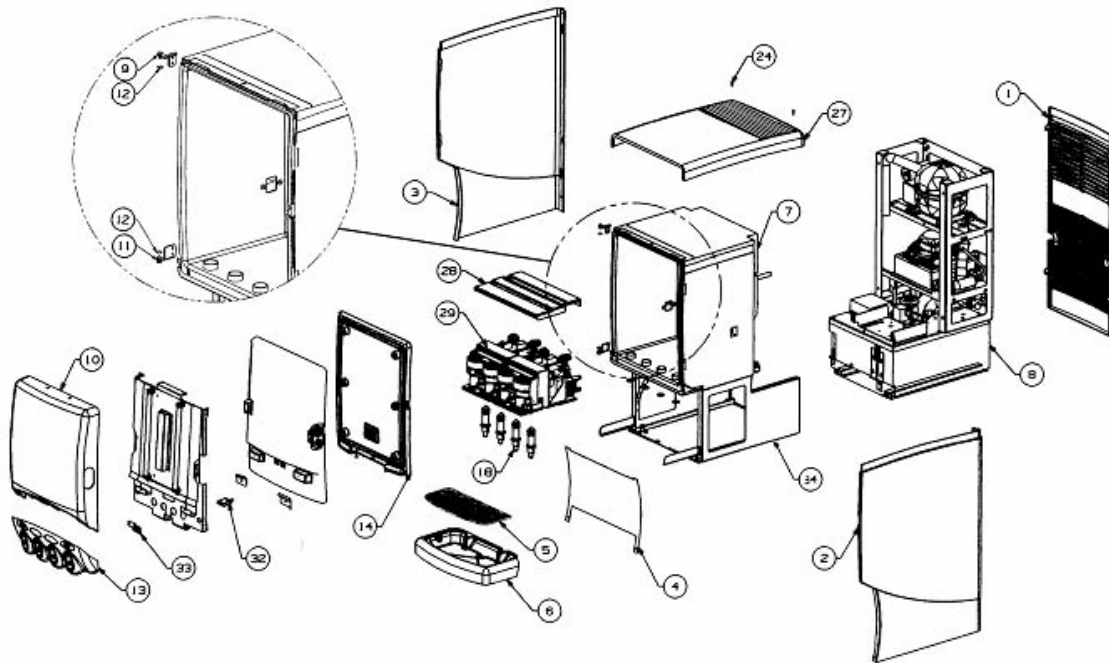
Final Assembly
P/N 721544101 (115VAC)

Item Number	Part Number	Description
1	720500204	Rear Panel
2	720500301	Right Side Panel
3	720500302	Left Side Panel
4	720500504	Splash Panel
5	720500014	Grill, Drip Tray
6	720500104	Drip Tray
7	720505204	Cabinet Assembly (115VAC)
8	720500804	Refrigeration Chassis Assembly (115VAC)
9	720702702	Pin, Threaded Hinge
10	720401301	Merchandiser, Generic Graphics
11	720703402	Hinge, Bracket Assembly
12	720500763	Washer, Nylon, 0.437 OD X 0.195 ID
13	720508704	Lower Door Assembly, Push Button
14	720500704	Door Assembly
15	720506804	Kit, Literature Package
16	720506904	Installation Manual
17	720507004	Flavor Strip
18	720507101	Nozzle Static Mixer (Includes O-ring, nozzle, & static mixer)
*	720507103	Static Mixer Only
*	31525037	Nozzle O-ring
23*	720511299	Kit, Flavor Strip, Magnetic Receptacle
24	0704105	Screw, #8-32 X 1/2" Lg., THMS
25*	720511201	Kit, Flavor Strip
26*	720507201	NPLT
27	720500404	Top Panel
28	720507304	Shelf, Cabinet
29	720506402	Platform Assembly
32	720500713	Switch, Cutout, 10 A
33	720500726	Bracket, Reset Switch
34	720504904	Base Frame Assembly

**Final Assembly
P/N 721544102 (230VAC)**

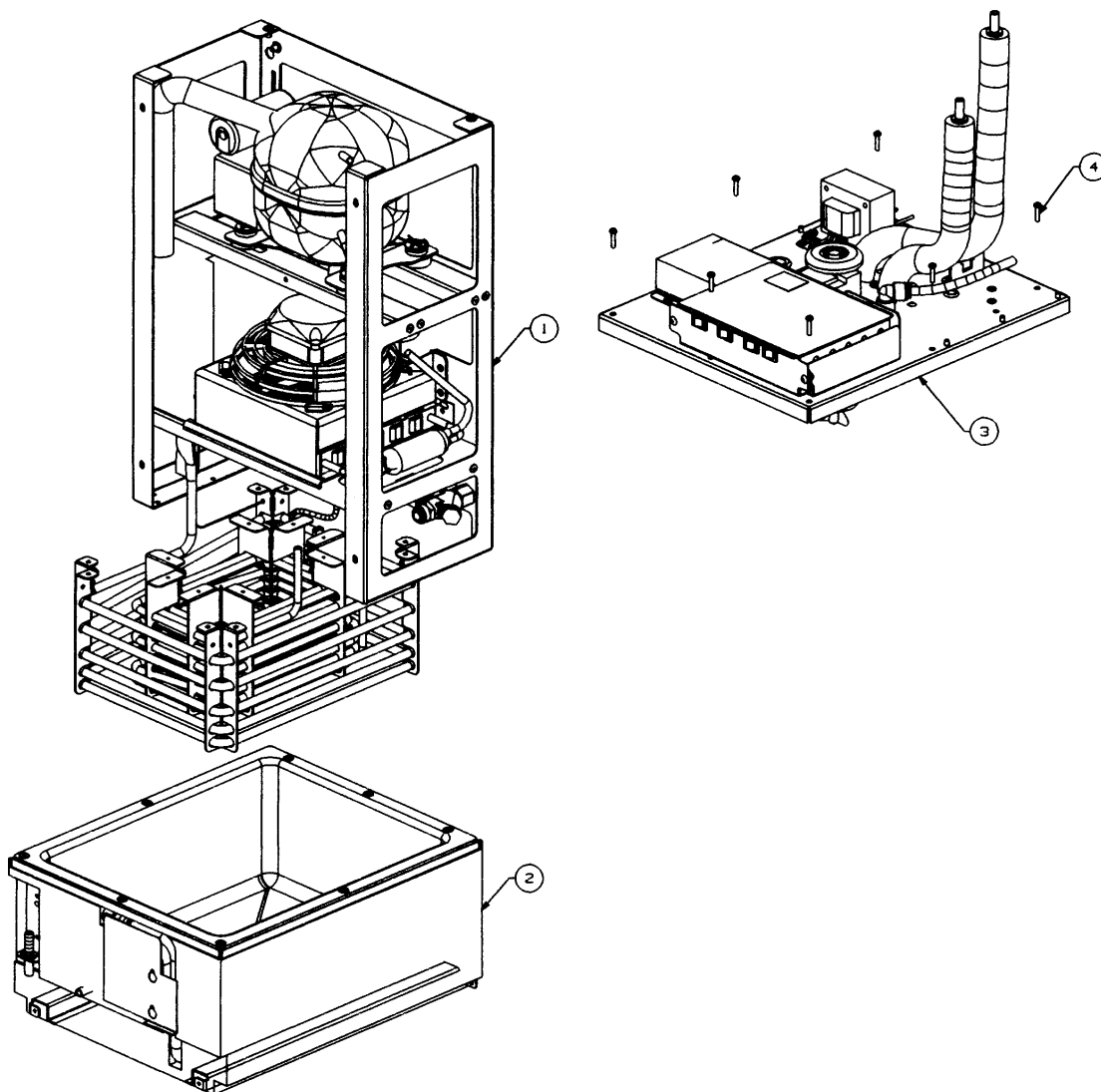
Item Number	Part Number	Description
1	720500204	Rear Panel
2	720500301	Right Side Panel
3	720500302	Left Side Panel
4	720500504	Splash Panel
5	720500014	Grill, Drip Tray
6	720500104	Drip Tray
7	720505205	Cabinet Assembly (230VAC)
8	720500805	Refrigeration Chassis Assembly (230VAC)
9	720702702	Pin, Threaded Hinge
10	720401301	Merchandiser, Generic Graphics
11	720703402	Hinge, Bracket Assembly
12	720500763	Washer, Nylon, 0.437 OD X 0.195 ID
13	720508704	Lower Door Assembly, Pushbutton
14	720500704	Door Assembly
15	720506804	Kit, Literature Package
16	720506904	Installation Manual
17	720507004	Flavor Strip
18	720507101	Nozzle Static Mixer (Includes O-ring, nozzle, & static mixer)
*	720507103	Static Mixer Only
*	31525037	Nozzle O-ring
23*	720511299	Kit, Flavor Strip, Magnetic Receptacle
24	0704105	Screw, #8-32 X 1/2" Lg., THMS
25*	720511201	Kit, Flavor Strip
26*	720507201	NPLT
27	720500404	Top Panel
28	720507304	Shelf, Cabinet
29	720506402	Platform Assembly
32	720500713	Switch, Cutout, 10 A
33	720500726	Bracket, Reset Switch
34	720504904	Base Frame Assembly

Final Assembly
P/N 721544101 (115VAC)
P/N 721544102 (230VAC)



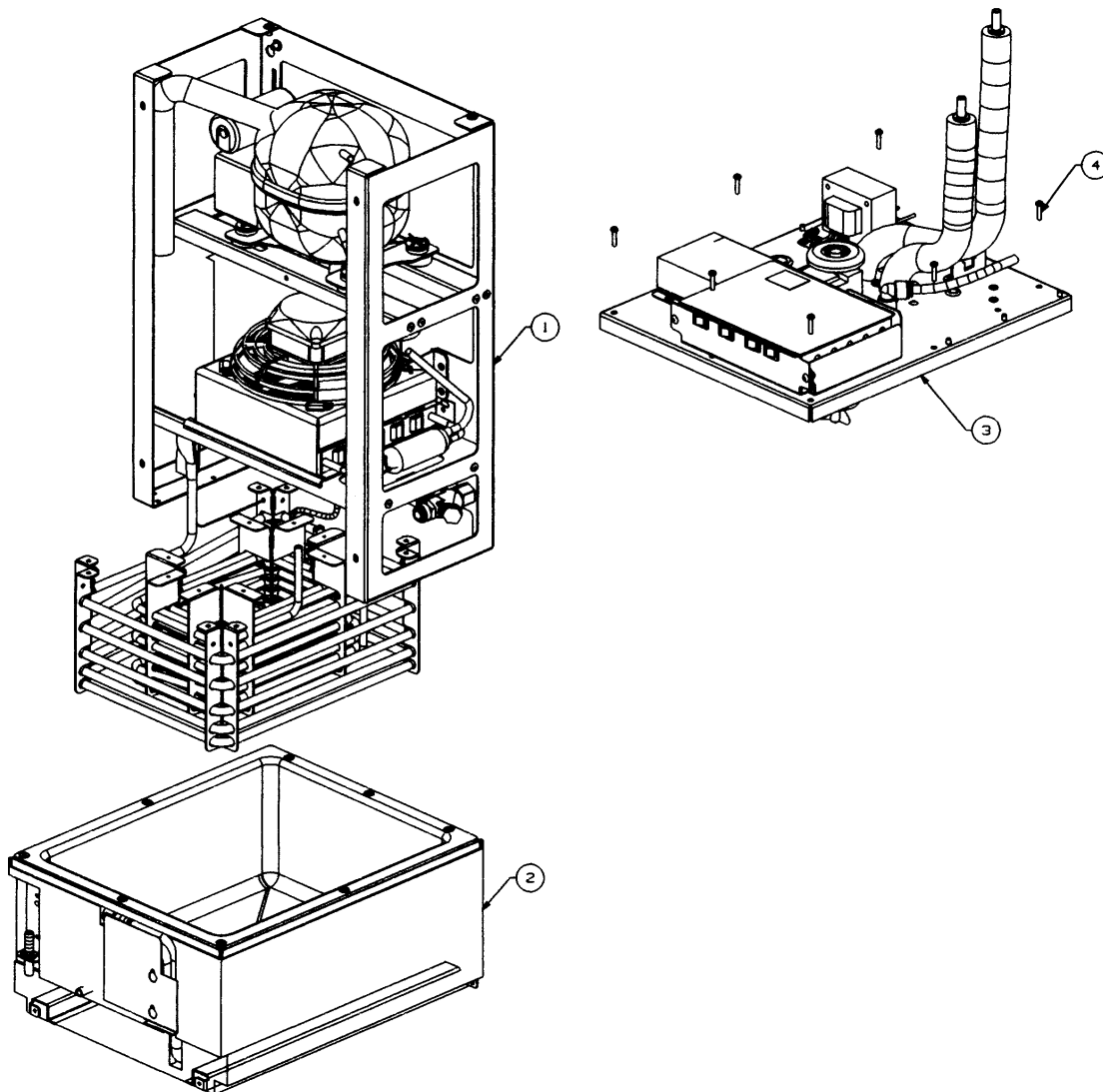
Refrigeration Chassis Assembly P/N 720500804 (115VAC)

Item Number	Part Number	Description
1	720501304	Frame Assembly, Refrigeration (115VAC)
2	720500904	Foamed Water Bath Tank Assembly
3	720504004	Tank Cover Assembly (115VAC)
4	0702609	Screw, #8-32 BHMS, 3/4" Lg.



Refrigeration Chassis Assembly P/N 720500805 (230VAC)

Item Number	Part Number	Description
1	720501305	Frame Assembly, Refrigeration (230VAC)
2	720500904	Foamed Water Bath Tank Assembly
3	720504005	Tank Cover Assembly (230VAC)
4	0702609	Screw, #8-32 BHMS, 3/4" Lg.



Refrigeration Frame Assembly P/N 720501304 (115VAC)

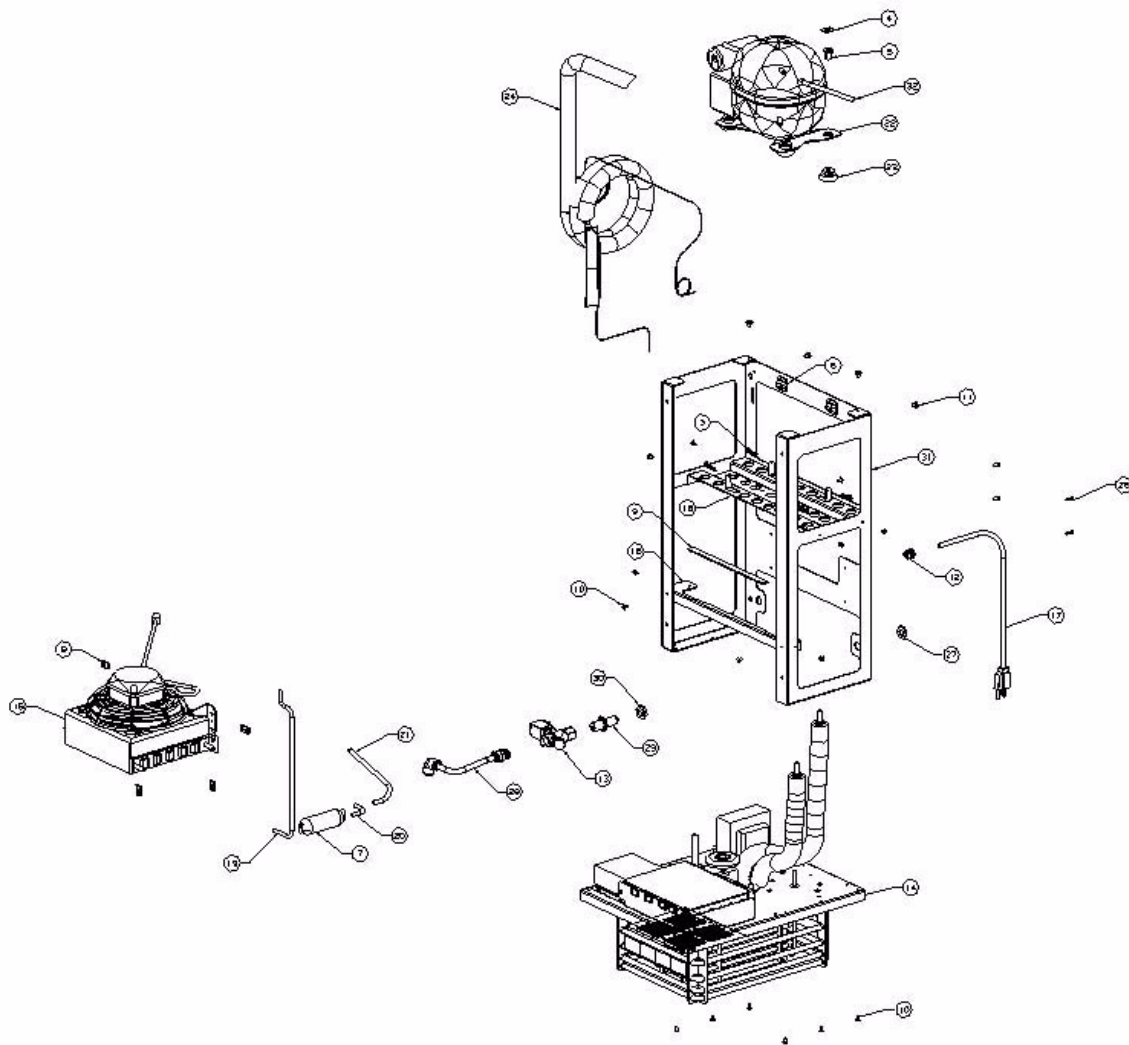
Item Number	Part Number	Description
1	N/A	
2	N/A	
3	08474	Spring Clip
4	9649	Washer, Compressor Mount
5	12107	Sleeve, Compressor Mount
6	N/A	
7	45073	Dryer-Solid Core, R-134a
8	48456	Tubing, 1/4" X 3/8" Premier Python
10	400276	Rivet
11	3110001	Fastener-Rivnut, #8-32
12	7221320	Bushing-Strain Relief
13	45091001	Valve, Water Solenoid, 24V
14	440000904	Probe, Ice Bank
15	560003705	Condenser Assembly, 115V/60Hz
16*	720500799	Wire Harness, Compressor
17	720501404	Product Coil Assembly
18	720501704	Evaporator Coil Assembly
19	720501805	Tube, Formed, Compressor Discharge
20	720501806	Tube, Formed, Liquid Line
21	720502004	Tube, Formed, Process Line
22	720503201	Compressor, 1/10 HP. 120V/60Hz, R-134a
*	720503206	Comp. Overload, 120V/60Hz (supplied w/compressor)
*	720503207	Comp. Relay, 120V/60Hz (supplied w/compressor)
*	720503208	Comp. Start Capacitor, 120V/60Hz (supplied w/compressor)
23	720503203	Grommet, Compressor Mounting
24	720503604	Heat Exchange Assembly
26	720201415	Bracket, Compressor/Condenser Mounting
27	720508404	Refrigeration Frame
28*	720509203	Fitting, Connector, 3/8TB X 3/8"
29	720509701	Fitting, Bulkhead Water
30	720500012	Washer, Split-Lock 0.641" I.D.
31	720509702	Jam Nut, Bulkhead
32	750300015	Bracket, Ice Bank Probe

Refrigeration Frame Assembly P/N 720501305 (230VAC)

Item Number	Part Number	Description
1	N/A	
2	N/A	
3	08474	Spring Clip
4	9649	Washer, Compressor Mount
5	12107	Sleeve, Compressor Mount
6	N/A	
7	45073	Dryer-Solid Core, R-134a
8	48456	Tubing, 1/4" X 3/8" Premier Python
9	89099	Gasket, Foam-Tape 31.27"
10	400276	Rivet
11	3110001	Fastener-Rivnut, #8-32
12	7221320	Bushing-Strain Relief
13	45091001	Valve, Water Solenoid, 24V
14	440000904	Probe, Ice Bank
15	560003706	Condenser Assembly, 230V/50Hz
16*	720500799	Wire Harness, Compressor
17	720501404	Product Coil Assembly
18	720501704	Evaporator Coil Assembly
19	720501805	Tube, Formed, Compressor Discharge
20	720501806	Tube, Formed, Liquid Line
21	720502004	Tube, Formed, Process Line
22	720503202	Compressor, 1/10 HP. 230V/50Hz, R-134a
*	720503209	Comp. Overload, 230V/50Hz (supplied w/compressor)
*	720503210	Comp. Relay, 230V/50Hz (supplied w/compressor)
23	720503203	Grommet, Compressor Mounting
24	720503604	Heat Exchange Assembly
26	720201415	Bracket, Compressor/Condenser Mounting
27	720508404	Refrigeration Frame
28*	720509203	Fitting, Connector, 3/8TB X 3/8"
29	720509701	Fitting, Bulkhead Water
30	720500012	Washer, Split-Lock 0.641" I.D.
31	720509702	Jam Nut, Bulkhead
32	750300015	Bracket, Ice Bank Probe

Refrigeration Frame Assembly

P/N 720501304 (115VAC)
P/N 72051305 (230VAC)



**Tank Cover Assembly
P/N 720504004 (115VAC)**

Item Number	Part Number	Description
1	720522001	Rear Support, Electrical Box
2	720509904	Bracket, Transformer
3	720521101	Bracket, Ice Bank Control
4	720509225	Split Grommet
5	720509224	Grommet
6	720509222	Grommet
7	720508104	Tank Deck Insulation
8	720504304	Electrical Box Assembly
9	720503404	Deck, Refrigeration
10	720502800	Agitator Assembly (115VAC)
12	720500795	Transformer (115VAC)
13	440000902	Ice Bank Control, 120VAC
14	07061001	Screw, #10 Type "F" HHWF, 3/8" Lg.
15	0704105	Screw, #8-32 X 1/2" Lg., THMS
16	48456	Tubing, 1/4" X 3/8"
17*	720500799	Wire Harness, Compressor
18	400276	Rivet
19	720509207	Elbow Fitting, 3/8" X 5/16" JG
23*	440000907	P- Housing, Electrical Plug A GIBC
24*	440000908	P- Housing, Electrical Plug B GIBC
25*	440000909	P- Housing, Electrical Plug C GIBC
26*	440000919	P- Cover "A"
27*	440000920	P- Cover "B"
28*	440000921	P- Cover "C"
29	0704101	Screw, #8-32 X 3/8" Lg., THMS
30	3110001	Nut, Rivet
31	0734801	Pop Rivet
32	720503001	Outlet Tube, 3/8 ID
33	720503101	Inlet Tube, 3/8 ID
34	48114008	Clamp, Oetiker 19.8

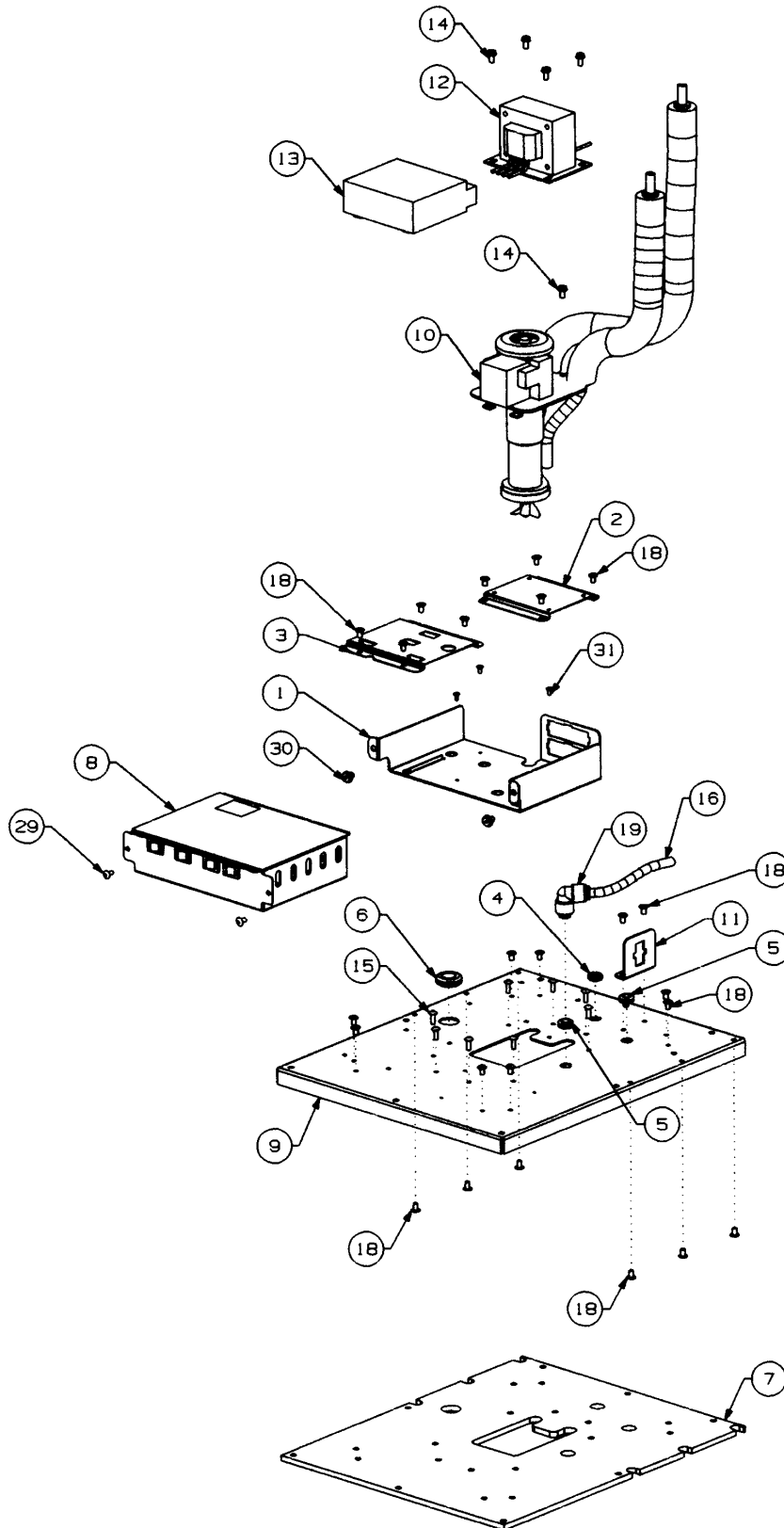
*Not Shown

**Tank Cover Assembly
P/N 720504005 (230VAC)**

Item Number	Part Number	Description
1	720522001	Rear Support, Electrical Box
2	720509904	Bracket, Transformer
3	720521101	Bracket, Ice Bank Control
4	720509225	Split Grommet
5	720509224	Grommet
6	720509222	Grommet
7	720508104	Tank Deck Insulation
8	720504304	Electrical Box Assembly
9	720503404	Deck, Refrigeration
10	720502803	Agitator Assembly (230VAC)
12	720500794	Transformer (230VAC)
13	440000901	Ice Bank Control, 230VAC
14	07061001	Screw, #10 Type "F" HHWF, 3/8" Lg.
15	0704105	Screw, #8-32 X 1/2" Lg., THMS
16	48456	Tubing, 1/4" X 3/8"
17*	720500799	Wire Harness, Compressor
18	400276	Rivet
19	560002319	Elbow Fitting, 3/8" X 5/16" JG
23*	440000907	P- Housing, Electrical Plug A GIBC
24*	440000908	P- Housing, Electrical Plug B GIBC
25*	440000909	P- Housing, Electrical Plug C GIBC
26*	440000919	P- Cover "A"
27*	440000920	P- Cover "B"
28*	440000921	P- Cover "C"
29	0704101	Screw, #8-32 X 3/8" Lg., THMS
30	3110001	Nut, Rivet
31	0734801	Pop Rivet
32	720503001	Outlet Tube, 3/8 ID
33	720503101	Inlet Tube, 3/8 ID
34	48114008	Clamp, Oetiker 19.8

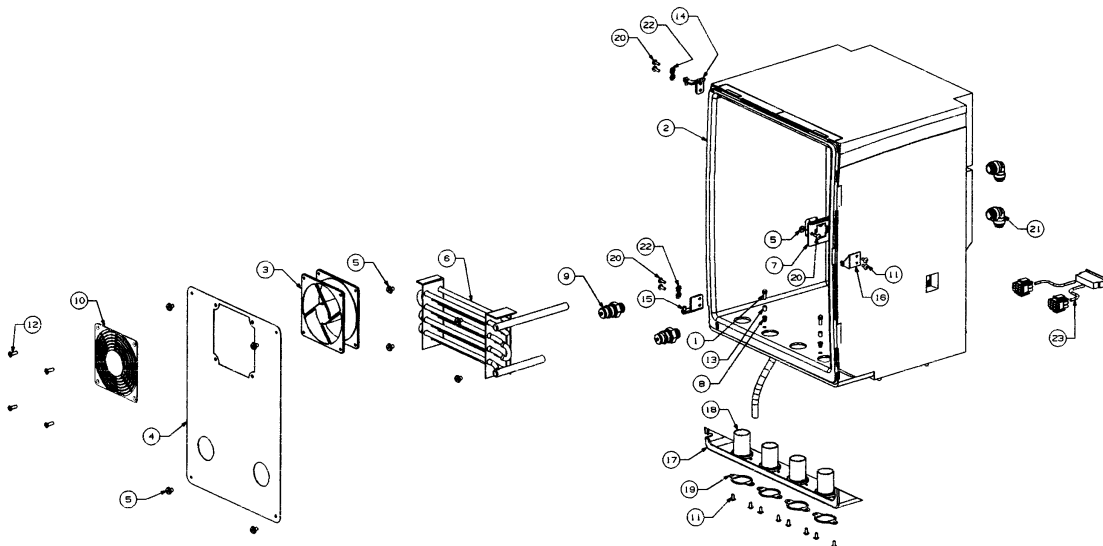
*Not Shown

Tank Cover Assembly
P/N 720504004 (115VAC)
P/N 720504005 (230VAC)



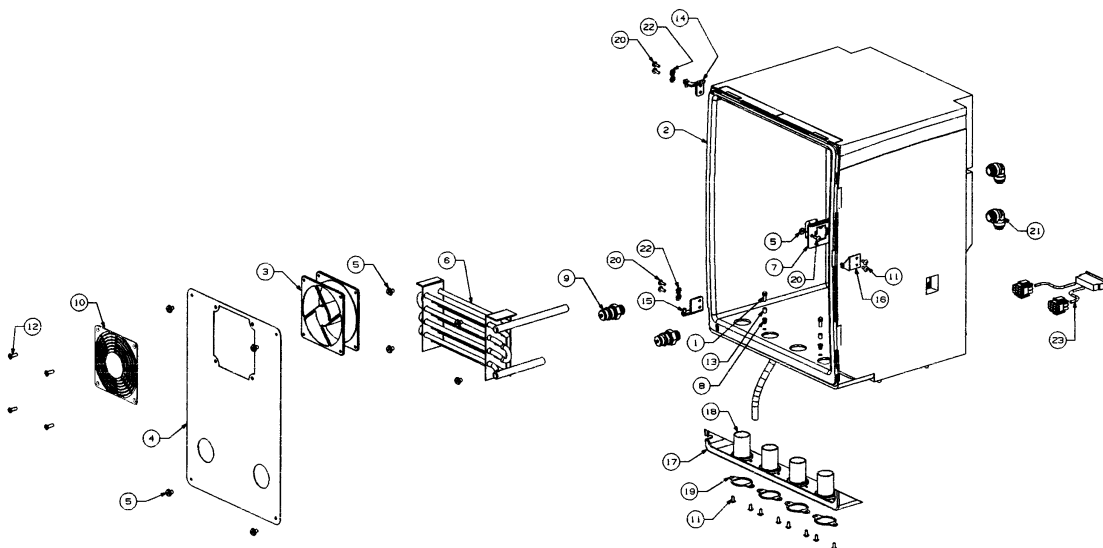
Cabinet Assembly P/N 720505204 (115VAC)

Item Number	Part Number	Description
1	45051	Stud-Latch #10-32
2	720505404	Liner Assembly, Quest 4000
3	720506104	Fan Motor (115VAC)
4	720506304	Rear Cabinet Panel, Quest 4000
5	3110001	Fastener, Rivnut, #8-32
6	720506204	Water Coil, Quest 4000
7	720519801	Bracket, Cabinet Harness
8	723232	Insert, Expansion, #10-32
9	720200206	Fitting, Insert 3/8" NPTM Quest 4000
10	720506106	Fan Guard
11	0704101	Screw, #8-32 X 3/8" Lg., THMS
12	0705806	Screw, #10-32 X 5/8" Lg., FHMS
13	04441	Lower Space
14	720702702	Pin, Threaded Hinge
15	720703402	Hinge Bracket Assembly
16	720500787	Door Catch
17	720511401	Lower Cabinet Panel, Quest 4000
19	720511301	Nozzle Plate
20	0704105	Screw, #8-32 X 1/2" Lg., THMS
21	720509206	Fitting, Union Elbow, 3/8" X 1/2" JG
22	8468	#10 S.S. Star Washer
23	720500711	Harness Assembly, Pump Platforms, Quest 4000



Cabinet Assembly P/N 720505205 (230VAC)

Item Number	Part Number	Description
1	45051	Stud-Latch #10-32
2	720505404	Liner Assembly, Quest 4000
3	720506105	Fan Motor (230VAC)
4	720506304	Rear Cabinet Panel, Quest 4000
5	3110001	Fastener, Rivnut, #8-32
6	720506204	Water Coil, Quest 4000
7	720519801	Bracket, Cabinet Harness
8	723232	Insert, Expansion, #10-32
9	720200206	Fitting, Insert 3/8" NPTM Quest 4000
10	720506106	Fan Guard
11	0704101	Screw, #8-32 X 3/8" Lg., THMS
12	0705806	Screw, #10-32 X 5/8" Lg., FHMS
13	04441	Lower Space
14	720702702	Pin, Threaded Hinge
15	720703402	Hinge Bracket Assembly
16	720500787	Door Catch
17	720511401	Lower Cabinet Panel, Quest 4000
19	720511301	Nozzle Plate
20	0704105	Screw, #8-32 X 1/2" Lg., THMS
21	720509206	Fitting, Union Elbow, 3/8" X 1/2" JG
22	8468	#10 S.S. Star Washer
23	720500711	Harness Assembly, Pump Platforms, Quest 4000

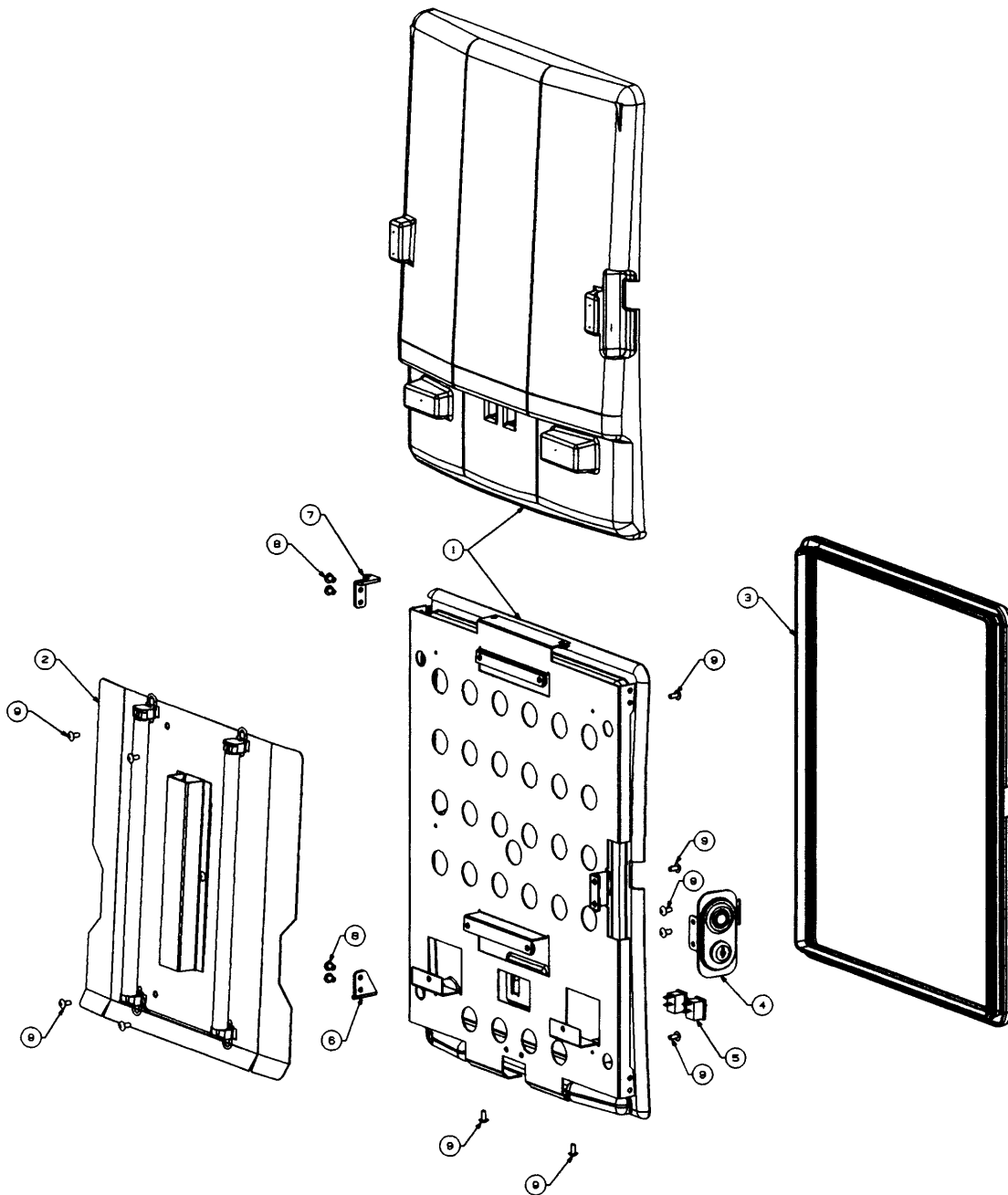


**Door Assembly
P/N 720500704**

Item Number	Part Number	Description
1	720500725	Rear Door Assembly
2	720500707	Light Panel Assembly
*	31314	Fluorescent Bulb
*	45433	Lamp Holder
*	720511606	Ballast Board
3	720500710	Molded Gasket
4	720500780	Latch Button Assembly
*		Key
5	45432	Rocker Switch, Sealed
6	720500765	Bottom Hinge Plate
7	720500764	Top Hinge Plate
8	400276	Rivet
9	0704101	Screw, #8-32 X 3/8" Lg., THMS

*Not Shown

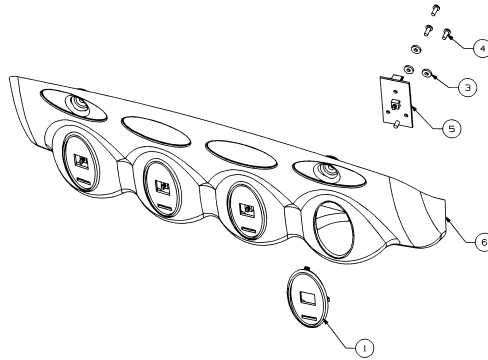
Door Assembly
P/N 720500704 (Rev. B)



Lower Door Panel Assembly - Push Button P/N 720508704

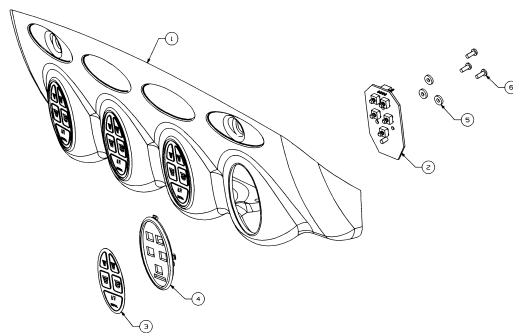
Item Number	Part Number	Description
1	720508502	Bezel, Push Button
2*	720508601	Overlay "Push"
3	07301029	Nylon Flat Washer, 0.312" OD X 0.125 ID
4	0712901	Screw, #4 Type "B" BH
5	720508801	Board, Push Button
6	720508904	Lower Door Panel
7	720511299	Magnetic Flavor Strip Receptacle

*Not Shown



Lower Door Panel Assembly - Portion Control P/N 720508705

Item Number	Part Number	Description
1	720508904	Lower Door Panel
2	720508802	Board, Portion Control
3	720508602	Overlay, Portion Control
4	720508505	Bezel, Portion Control
5	07301029	Nylon Flat Washer, 0.312" OD X 0.125 ID
6	0712901	Screw, #4 Type "B" BH
7	720511299	Magnetic Flavor Strip Receptacle

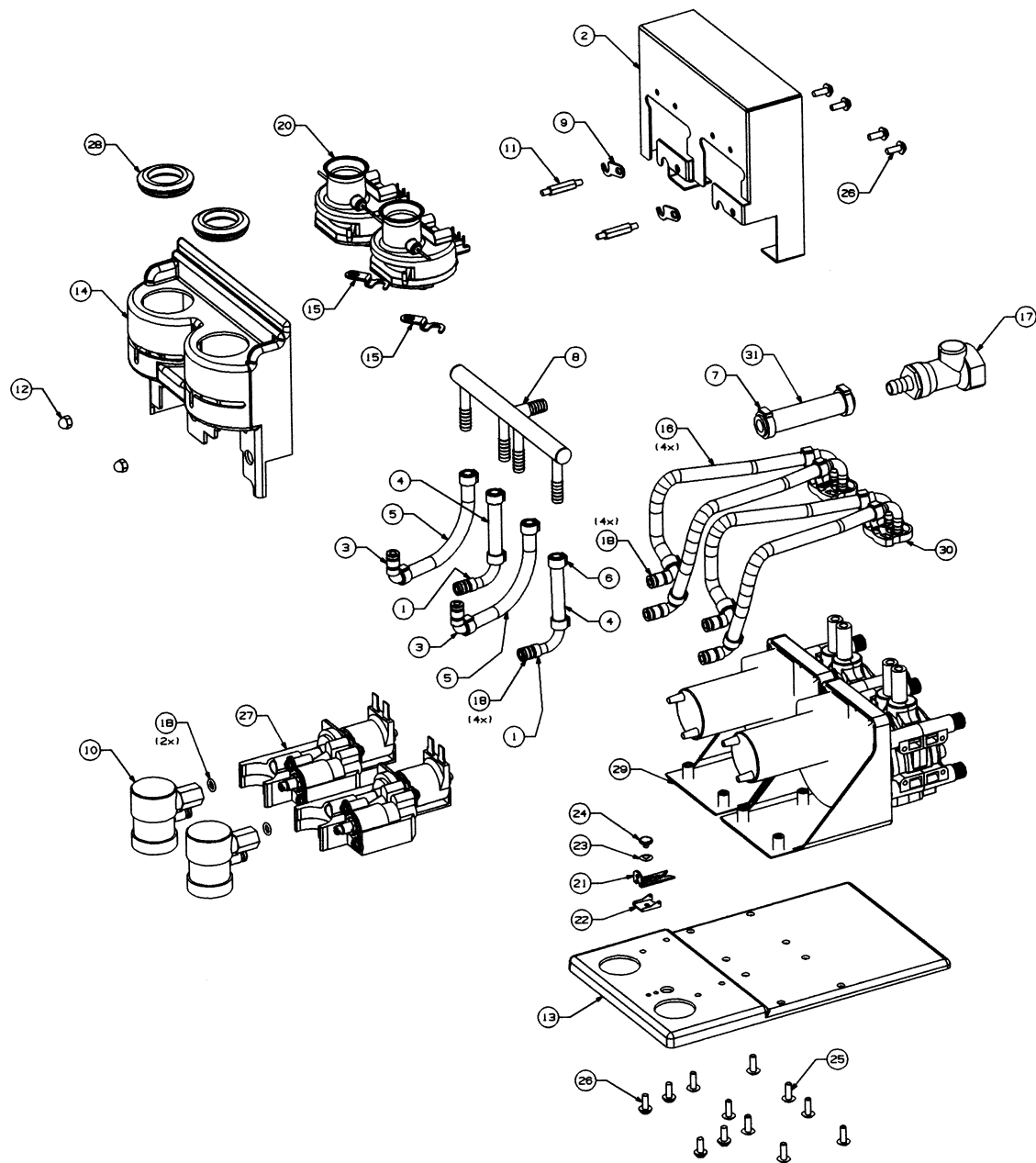


Platform Assembly
P/N 720500039

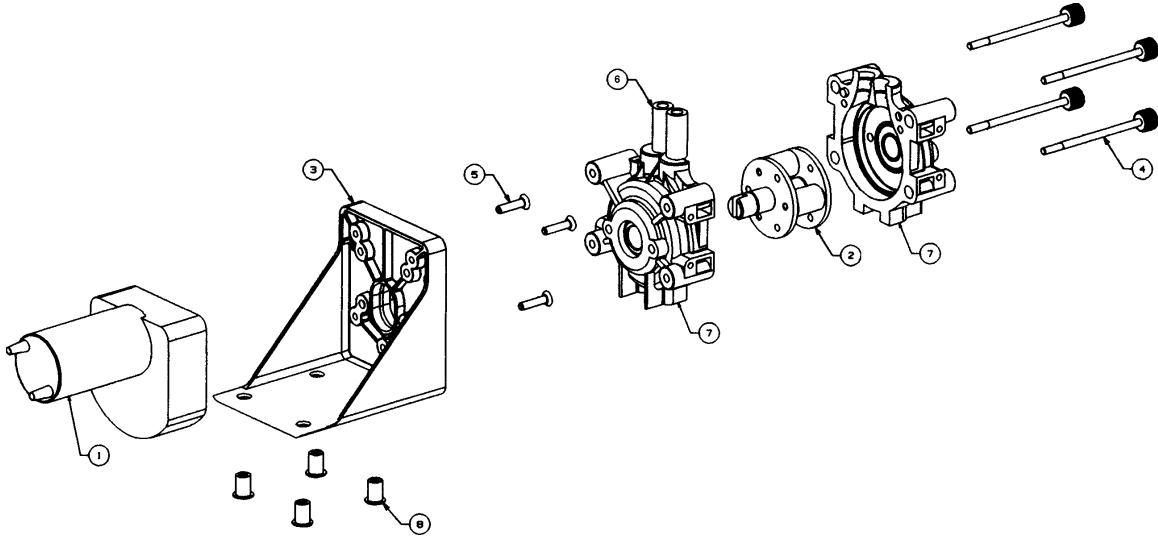
Item Number	Part Number	Description
1	77052102	Fitting, Elbow, 90 deg, 1/4" Barb
2	720506702	Bracket, Valve Mount, Quest
3	771000306	Fitting, 3.8", 90 deg. Barb, 1.3" long
4	720509111	Tube, 2.25" Straight Plastic
5	720509114	Tube, 3.5" Long, Radius
6	48114004	Clamp-Ear, 105 (.413/.346)
7	48114002	Clamp-Ear, 170 (.669/.571)
8	720509304	Manifold, Water S.S.
9	724558601	Clip, Retainer Tube
10	720500033	Mixing Chamber
11	720500041	Standoff-Cover
12	45529	Nut, #8-32
13	720506604	Base, Platform
14	720507404	Front Cover, Platform
15	720501209	Hook Washer, Hold Down
16	720509103	Tube Assembly, Suction
17	720720498	Coupling, In-Line, 3/8" I.D., HFC35
18	31525003	O-Ring, 3/8" O.D. X .239" I.D.
19*	11732	Wire Harness, Platform, SLJ1000-2
20	45026	Bottle Adapter Assembly
21	45046	Latch-#2 Medium, S.S.
22	45047	Guide-latch, #2 Medium
23	45048	Washer-latch, #2 Medium
24	45049	Rivet-latch, 3/8" Dia. HD., S.S.
25	0704105	Screw, #8-32 X 1/2" Lg., THMS
26	07032001	Screw, #8-18 X 7/16" Type "25", HHWF S.S.
27	45508200	Valve Block Assembly
28	720201500	Grommet, Platform Cover
29	45185	Pump & Motor Assembly, 3-Roller
30	48195006	Clamp, Hose .470 I.D.
31	49034	Tube, Tygon, 3/8" X 5/8" O.D.
32	7245072	Label, Dispense/Flush
33	720201707	Bracket, Water Adjust Cover

*Not Shown

Platform Assembly P/N 720500039



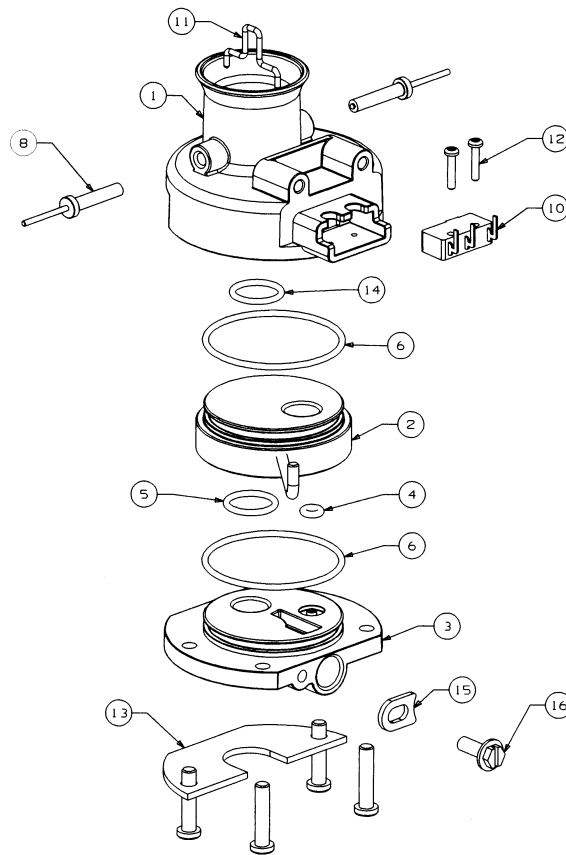
Pump Assembly P/N 45185



Item Number	Part Number	Description
1	45016001	Pump Gear Motor
2	45728001	Rotor Assembly (Thick Wall)
3	45050	Pump & Motor Mounting Block
4	45017001	Thumb Screw, #8-32 X 3" Lg.
5	0702905	Screw, #8-32 X 3/4" FHMS
6	45098	Pump Tubing Kit (pump tubing, clamps, & instructions)
*	45078	Pump Assembly (Items 2 & 7)
7	45727	Pump Body, Front/Rear
8	45283	Rubber Bushing w/Nut Insert

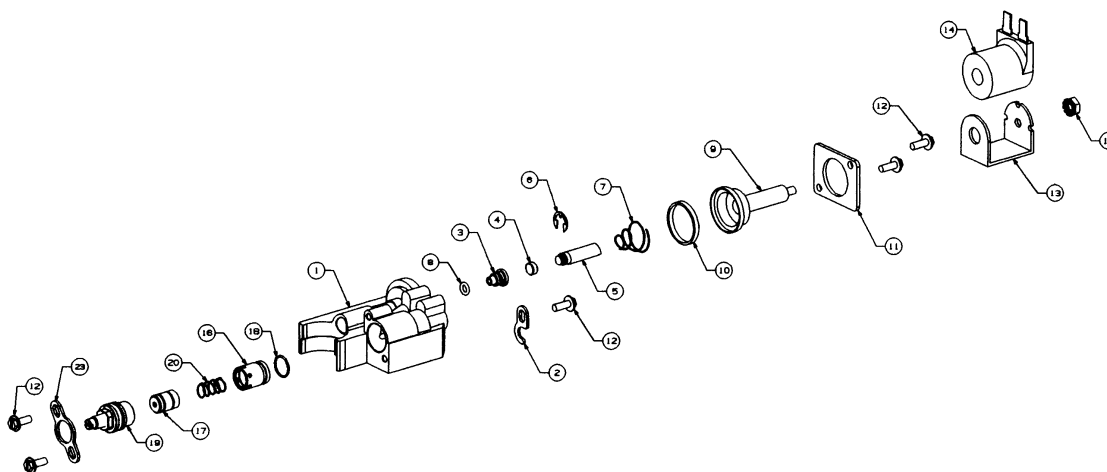
*Not Shown

Bottle Adapter Assembly P/N 45026



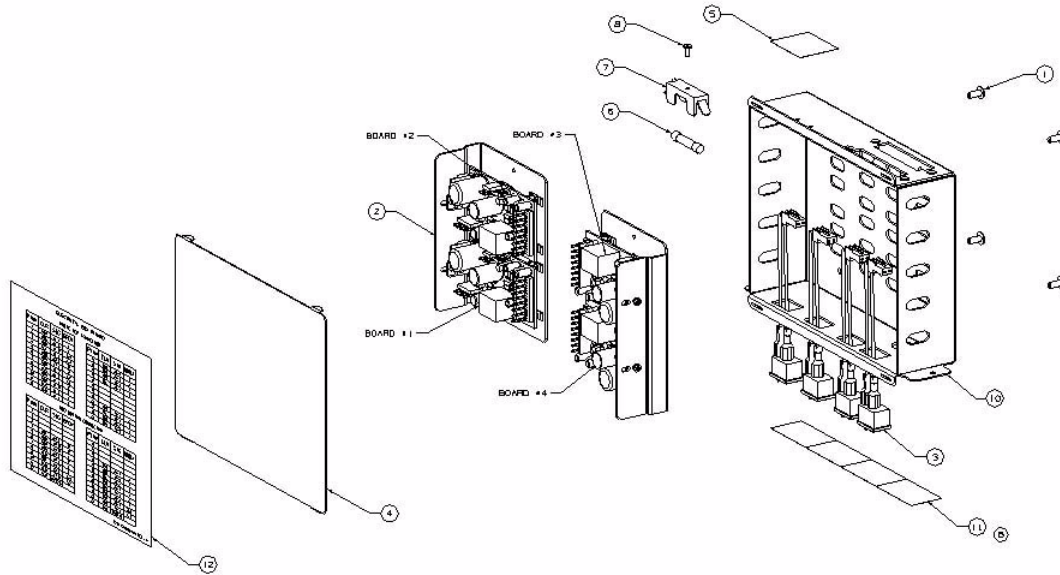
Item Number	Part Number	Description
1	45060001	Caddy Adapter, Top
2	45060002	Run & Flush Valve
3	45060003	Caddy Adapter, Bottom
4	31525062	O-Ring 0.276 OD X 0.118 ID
5	31525064	O-Ring 5/8" OD X 0.489 ID TFE/SIL
6	31525061	O-Ring 1.489" ID X 0.070" Dia.
*	45026100	O-Ring Kit (includes all O-rings needed to rebuild bottle adapter)
7	07015001	Screw, #8-18 Hi-Lo, Ph.
8	45043	Pin-Sensor, Sold Out
10	6006821	Switch, Snap Action
11	45076	Actuator Pin
12	60067086	Screw, #2-56 X 7/16" PH, SS
13	45084001	Caddy Plate
14	31525014	O-Ring 5/8" OD X 0.489 ID
15	7222081	Hold Down Washer
16	07032001	Screw, #8-18 X 7/16 Type "25" HHWF

Valve Block Assembly P/N 45508200



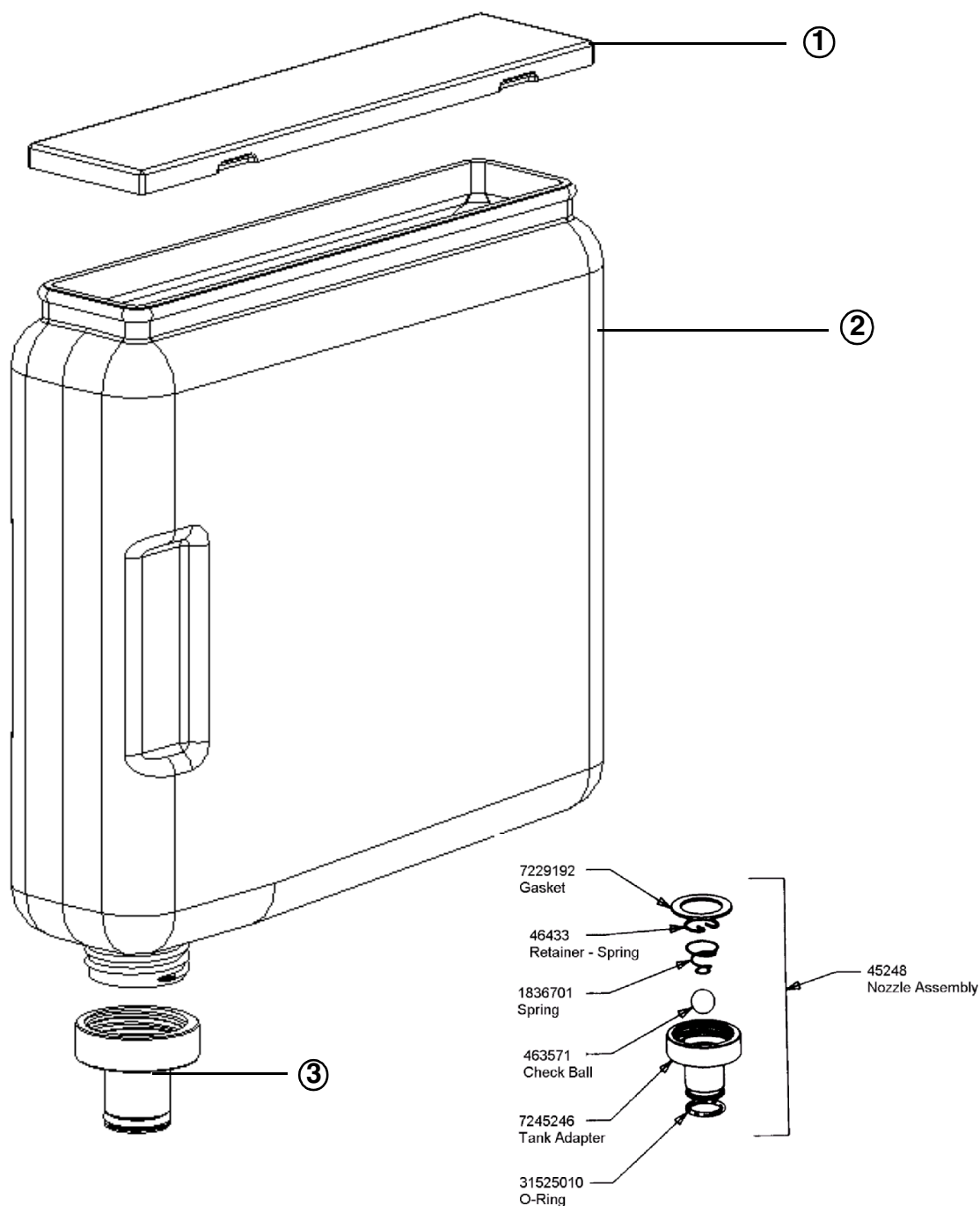
Item Number	Part Number	Description
1	45506100	Valve Block
2	45586	Hold Down Washer
3	49612	Valve Port, Water
4	18071	Armature Seat, Water, FFV
5	7215323	Armature, Solenoid Valve
6	71815321	Retaining Ring, 0.242 ID
7	18367	Coil Spring, SS
8	31525020	O-Ring 5/16" OD X 0.176 ID
9	19695001	Guide
10	18070002	Rubber Gasket, Valve Block
11	45518	Bracket, Valve Block
12	07032001	Screw, #8-18 X 7/16" Type "25" HHWF SS
13	16779003	"C" Frame, Solenoid
14	48520001	Coil, 24VDC
15	0720406	Nut #10-32 KEPS
16	60281001	Ceramic Sleeve, Syrup, FFV
17	60280002	Ceramic Piston, Water, FFV
18	31525060	O-Ring 0.539" X 0.459" X 0.875" OD
*	48979103	Spool & Sleeve Assembly (includes items 16, 17, & 18)
19	7245699	Flow Control/Bonnet Assembly
20	48258005	Spring, Syrup, FFV
23	45587	Hold Down Washer

Electrical Box Assembly P/N 720504304



Item Number	Part Number	Description
1	720504404	Electrical Box
2	720504504	Voltage Regulator Assembly
*	45012102	Voltage Regulator Board Only (includes insulator)
3	45432001	High/Low Speed Rocker Switch
4	720504414	Cover, Electrical Box
5	45758	Label - Fuse Rating
6	59328001	Fuse, 6.25 Amp, 250VAC
7	7245059	Fuse Holder
8	0734801	Pop Rivet
9	07061003	Screw, #10 Type "F" HHWF, 3/8" Lg.
10	720500716	Label Wiring Elec. Box QST 4

*Not Shown

**Generic Bottle Assembly
P/N 720500066**

Item Number	Part Number	Description
1	720531826	Lid
2	720510101	Bottle, Generic
3	45248	Cap Assembly

RECOMMENDED SPARE PARTS LIST 115VAC

Wilshire Quest Series Juice Dispenser - 115VAC (based on 10 machines)

Part Number	Description	Qty
560003705	Condenser Fan, Motor 115VAC	1
18071	Seat, Armature - Water Valve	2
18367	Spring, Coil S/S - Water Solenoid	2
31314	Fluorescent Bulb	2
45028	Transformer, 115VAC	1
45098	Pump Tubing Kit	4
45432	Inner Door Switch	1
7215323	Armature - Water Solenoid	1
7245699	Flow Control/Bonnet Assembly	2
18070002	O-Ring (for water solenoid guide)	2
19695001	Guide, Water Solenoid	1
31525037	O-Ring - Dispensing Nozzle	2
45012102	Voltage Regulator Board	2
45016001	Pump Gear Motor	2
45026100	Bottle Adapter O-Ring Kit (all O-rings in bottle adapter)	1
45091001	Main Water Solenoid Valve	1
45728001	Pump Rotor Assembly	1
48520001	Coil, 24VDC, Valve Block	1
48979103	Spool & Sleeve Asmb w/ 31525-060 O-Ring	2
59328001	Fuse, 6.25 Amp, 250VAC	4
440000902	Global Ice Bank Control (115VAC)	1
720500014	Drip Tray Grill	1
720500104	Drip Tray	1
720500710	Door Gasket	1
720500713	Door Cutout Switch, White, 10 Amp	1
720502800	Agitator Motor	1
720503201	Compressor, 115V/60Hz, R-134a	1
720503206	Overload, Compressor, 115VAC	1
720503207	Relay, Compressor, 115VAC	1
720503208	Capacitor, Compressor, 115VAC	1
720506104	Cabinet Fan, 115VAC	2
720507101	Dispense Nozzle, Static Mixer, & O-Ring	1
720508801	Push Button Control Board	1
720508802	Portion Control Board	2
720511606	Ballast Board	1
720703502	Foam Gasket, Lower Door	-

RECOMMENDED SPARE PARTS LIST 230VAC

Wilshire Quest Series Juice Dispenser - 230VAC (based on 10 machines)

Part Number	Description	Qty
560003706	Condenser Fan, Motor 230VAC	1
18071	Seat, Armature - Water Valve	2
18367	Spring, Coil S/S - Water Solenoid	2
31314	Fluorescent Bulb	2
720500794	Transformer, 230VAC	1
45098	Pump Tubing Kit	4
45432	Inner Door Switch	1
7215323	Armature - Water Solenoid	1
7245699	Flow Control/Bonnet Assembly	2
18070002	O-Ring (for water solenoid guide)	2
19695001	Guide, Water Solenoid	1
31525037	O-Ring - Dispensing Nozzle	2
45012102	Voltage Regulator Board	2
45016001	Pump Gear Motor	2
45026100	Bottle Adapter O-Ring Kit (all O-rings in bottle adapter)	1
45091001	Main Water Solenoid Valve	1
45728001	Pump Rotor Assembly	1
48520001	Coil, 24VDC, Valve Block	1
48979103	Spool & Sleeve Asmb w/ 31525-060 O-Ring	2
59328001	Fuse, 6.25 Amp, 250VAC	4
440000901	Global Ice Bank Control (230VAC)	1
720500014	Drip Tray Grill	1
720500104	Drip Tray	1
720500710	Door Gasket	1
720500713	Door Cutout Switch, White, 10 Amp	1
720502803	Agitator Motor	1
720503202	Compressor, 230V/50Hz, R-134a	1
720503209	Overload, Compressor, 230VAC	1
720503210	Relay, Compressor, 230VAC	1
720506104	Cabinet Fan, 230VAC	2
720507101	Dispense Nozzle, Static Mixer, & O-Ring	1
720508801	Push Button Control Board	1
720508802	Portion Control Board	2
720511606	Ballast Board	1
720703502	Foam Gasket, Lower Door	-

IMI CORNELIUS INC.

Certificate of Warranty

ONE YEAR LIMITED BEVERAGE EQUIPMENT WARRANTY

IMI Cornelius Inc. warrants to the original commercial purchaser/user, that any commercial product of its manufacture bearing the name Wilshire will be free from defect in material and/or factory workmanship, and that if properly installed, maintained, and serviced in accordance with the Service Manual furnished with the product, it will perform adequately under normal use. This product warranty shall be effective for a period of one year from the date of original installation or 15 months from the date of original shipment by IMI Cornelius, whichever period elapses first.

IMI Cornelius Inc.'s obligation under this warranty is strictly limited to the replacement of any parts which the purchaser/user returns to IMI Cornelius Inc.'s factory, transportation costs prepaid, and which IMI Cornelius finds to be defective in workmanship and/or material within the warranty period. The serial and model numbers and date of original installation of the product must be given. No part or assembly which has been subjected to accident, alteration, or misuse or which is not installed, maintained, or serviced in accordance with Service Manual furnished with the product, or which is from a machine on which the serial number has been removed, shall be covered by this warranty. This warranty does not provide for service calls from factory representatives or from any other agencies and shall not include charges of any nature.

IMI Cornelius Inc. will accept a part, parts, or equipment freight prepaid and return same freight collect to the sender within the continental U.S. or port of export within the continental limits of the U.S. IMI Cornelius Inc. is not responsible for international freight, customs fees or duties at country of destination.

ADDITIONAL FOUR YEAR LIMITED WARRANTY ON COMPRESSOR

This warranty shall be effective for a period of four (4) years from the expiration of the above warranty.

The hermetically sealed refrigeration compressor is covered by the above one year limited warranty. In addition to that warranty, if the compressor fails because of a defect in materials or workmanship during the second through fifth year from the date of installation, IMI Cornelius Inc. will repair or, at its option, replace the compressor. Labor charges and the cost of relays, overloads, and capacitors are not included.

THIS WARRANTY DOES NOT COVER DAMAGED CAUSED BY LACK OF PREVENTATIVE MAINTENANCE, IMPROPER INSTALLATION, ACCIDENT, MISUSE, NEGLIGENCE, ALTERATION, FIRE, FLOOD, OR ACTS OF GOD. In those jurisdictions where liability for damages cannot be disclaimed, original purchasers recovery shall not exceed the cost of the warranted product.

IMI CORNELIUS INC. ASSUMES NO LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, INCLUDING, BUT NOT LIMITED TO, SPOILED PRODUCT, LOST PROFITS, OR DAMAGE TO OTHER PROPERTY.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER WRITTEN, ORAL, OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ANY ORAL WARRANTIES OR REPRESENTATIONS OR WRITTEN LANGUAGE IN ADVERTISING BROCHURE OR OTHER MATERIALS NOT EXPRESSLY DESIGNATED

IMI Cornelius Inc.
One Cornelius Place
Anoka, Minnesota 55303
763-421-6120 / 800-238-3600
Fax: 763-422-3255



