SERVICE MANUAL

Model C029
Blended Ice Machine

Original Service Instructions

067214-S

2/15/10 (Original Publication)
Updated 02/10/16

Table of Contents

Table of Contents - Page 2

CAUTION: Information in this manual is intended to be used by Taylor Authorized Service Technicians only.

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

Notes:

Section 1: Introduction

- Safety
- C029 Specifications
- Running Specifications
- General Installation Instructions
- Refrigerant
- Environmental Notices
- Important to the Operator

Safety

We at Taylor are committed to manufacturing safe operating and serviceable equipment. The many built-in safety features that are part of all Taylor® equipment are aimed at protecting operators and trained service technicians alike.

This manual is intended exclusively for Taylor authorized service personnel.

DO NOT attempt to run the equipment unless you have been properly trained to do so.

CAUTION: THIS EQUIPMENT MUST BE PROPERLY GROUNDED! Do not operate this unit unless it is properly grounded and all service panels and access doors are restrained with screws. Failure to do so can result in severe personal injury from electrical shock!

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

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

Failure to follow these instructions may result in electrocution or damage to the unit.

This unit is provided with an equipotential grounding lug that is to be properly attached to either the rear of the frame or the under side of the base pan near the entry hole for incoming power, 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 equipment's frame, as well as on the diagram.

DO NOT remove any internal operating parts unless all control switches are in the OFF position. Failure to follow these instructions may result in severe personal injury from hazardous moving parts.

THIS UNIT HAS MANY SHARP EDGES THAT CAN CAUSE SEVERE INJURIES.

This equipment uses CO2 and must be installed in an area with adequate ventilation. CO2 in high concentrations is toxic to humans and may cause asphyxiation in confined areas.

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

This appliance is only intended to be installed in a location where its use and maintenance is restricted to trained personnel.

The CO2 system of this unit is pressurized during normal operation. Prior to working on the CO2 system, remove power to the machine. When power is removed from the machine or the power switch is turned off, the CO2 dump valve will relieve pressure from the CO2 lines within the machine.

This unit must **NOT** be installed in an area where a water jet or hose can be used. **NEVER** use a water jet or hose to rinse or clean this unit. Using a water jet or hose on or around this equipment may result in the electrocution of the user or damage to the equipment.

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

C029 Specifications

The Model C029 produces blended ice beverages such as Smoothies and Frozen Coffee. The product and shaved ice are delivered automatically to a blending pitcher. Finished frozen beverages are produced in seconds.

Refrigerated Storage

Eight 2-gallon bags of product are stored in the refrigerated cabinet. The cabinet door can be mounted on either side of the cabinet to allow it to open to the left or the right.

Ice Hopper

The ice hopper holds approximately 30 lbs (13 kg) of ice.

Blender Pitcher

The maximum fill capacity of the blender pitcher is 48 fl oz (1.4 liters).

Electrical

One dedicated electrical connection is required. See the electrical chart for proper electrical requirements. Manufactured to be cord connected. Cord length is 9 ft. (274 mm) external to unit.

Electrical	Total Amps	Supplied with NEMA Cord
115/60/1 Air	12	5-15P
220-240/50/1	7.4	N/A
208-230/60/1	9	N/A

This unit may be manufactured with other electrical characteristics. Refer to the local Taylor Distributor for availability. (For exact electrical information, always refer to the data label of the unit.)

CO2

3/8” (9.5 mm) CO2 line with minimum 90 PSI required

Water

3/8” (9.5 mm) water line with minimum 55 PSI required

INSTALL POTABLE WATER CONNECTION WITH ADEQUATE BACK-FLOW PROTECTION TO COMPLY WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES.

Drain

A floor drain is required.

Accessories include 8 ft. (244 mm) of 1” (2.54 cm) ID drain hose. The drain port is 20” (51 cm) off the floor.

Air Cooled

The C029 requires 0” air clearance on all sides with the use of the air duct. The air duct directs exhaust air out and up, away from the unit. Minimum air clearances must be met to assure adequate air flow for optimum performance.

Dimensions

Width: 26-3/16” (665 mm)
Depth: 37-11/16” (957 mm)
Height: 69-1/16” (1754 mm)
Floor Clearance: 3-13/16” (97 mm)
(mounted on standard casters)

Approximate Weights

Net: 406 lbs (184.2 kgs)
Crated: 522 lbs (236.8 kgs)

Volume: 56.3 cu ft (1.60 cu m)

This unit is designed and constructed to meet stringent safety and sanitation requirements for NSF and other food service regulatory agencies.

C029 Specifications *(Continued)*

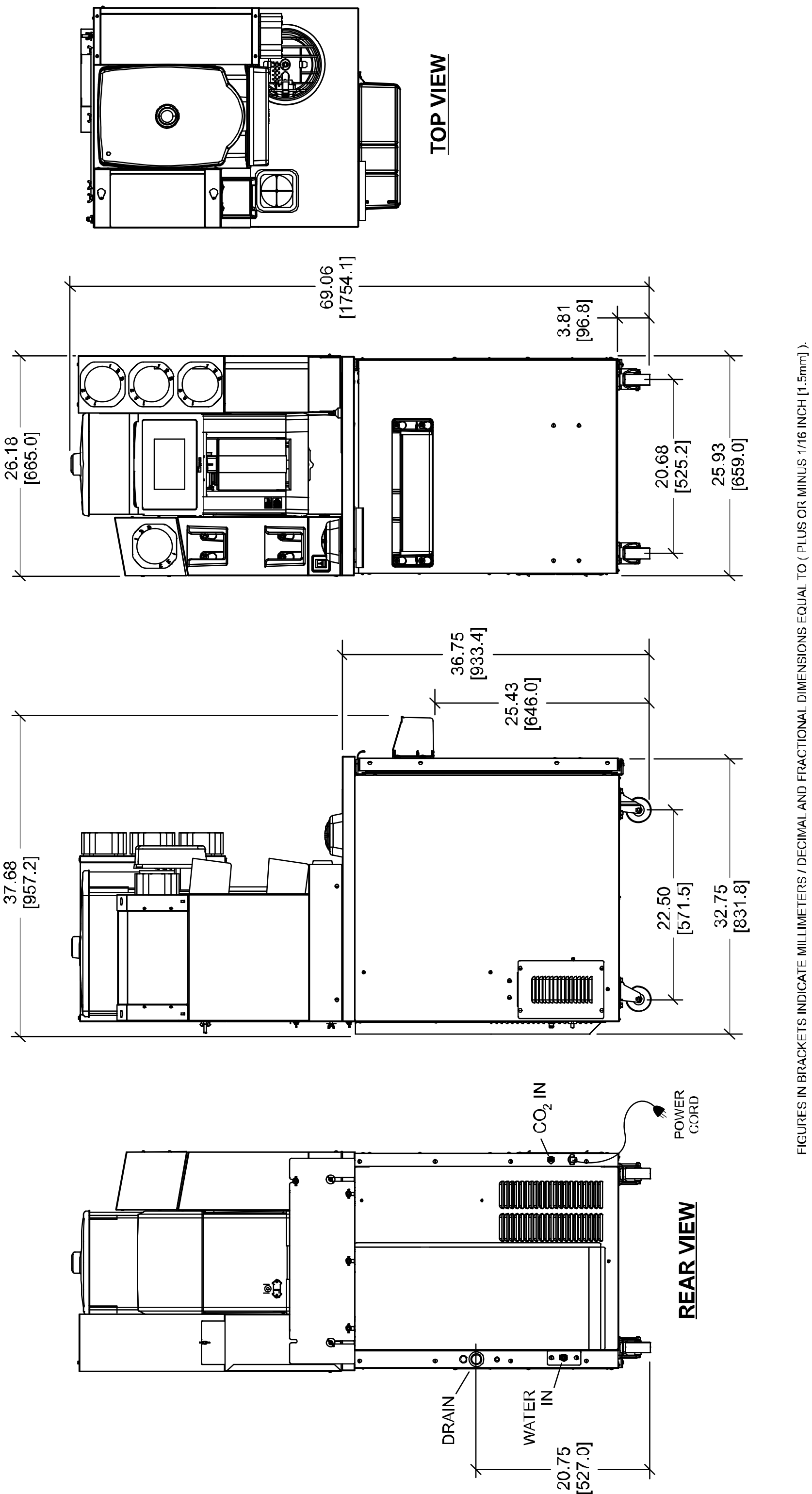


Figure 1

150604

Running Specifications

The following pressure settings are recommended by Taylor for the Model C029.

Refrigerant Pressure

EPR Valve

67 to 69 PSI (462 to 476 kPa)

CO2 Pressure

90 PSI (621 kPa) incoming

Water Pressure

55 PSI (380 kPa) incoming

175 PSI (1.2 MPa) maximum incoming

General Installation Instructions

CAUTION: Only trained, authorized service technicians should install the C029 Blended Ice Machine. Failure to comply will void the factory warranty.

The following are general installation instructions. For complete installation details, please see the check out card.

ALL WIRING AND PLUMBING MUST CONFORM TO NATIONAL AND LOCAL CODES.

INSTALL POTABLE WATER CONNECTION WITH ADEQUATE BACK-FLOW PROTECTION TO COMPLY WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES.

Site Preparation

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

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

This unit must **NOT** be installed in an area where a water jet or hose can be used. **NEVER** use a water jet or hose to rinse or clean this unit. Using a water jet or hose on or around this equipment may result in the electrocution of the user or damage to the equipment.

This unit must be installed on a level surface to avoid the hazard of tipping. Extreme care should be taken in moving this equipment for any reason.

Two or more people are required to safely move this unit. Failure to comply may result in personal injury or equipment damage.

Uncrate the unit. Inspect the unit for damage. Report any damage to the Taylor Factory immediately.

This piece of equipment is made in the USA and has USA sizes of hardware. All metric conversions are approximate and vary in size.

Clearance: Air Cooled Units

The C029 requires 0” air clearance on all sides with the use of the air duct. The air duct directs exhaust air out and up, away from the unit. Minimum air clearances must be met to assure adequate air flow for optimum performance.

Unit Preparation: Freezing Conditions Storage

In order to prevent the freezing of water lines in the unit, the drinking and rinse water lines shall be drained prior to storage of the unit in a location below freezing. If freezing of water in these lines does occur, thaw the lines in normal ambient conditions and check water lines for signs of damage before and after supplying water to the unit.

Installer Safety

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

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

- Only authorized Taylor service personnel should perform installation and repairs on the equipment.
- Authorized service personnel should consult OSHA Standard 29CFRI910.147 or the applicable code of the local area for the industry standards on lockout/tagout procedures before beginning any installation or repairs.
- Authorized service personnel must ensure that the proper 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.

THIS UNIT HAS MANY SHARP EDGES THAT CAN CAUSE SEVERE INJURIES.

Electrical Connections

In the United States, this equipment is intended to be installed in accordance with the National Electrical Code (NEC), ANSI/NFPA 70-1987. 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, equipment should be installed in accordance with the existing local codes. Please contact your local authorities.

Each unit requires one power supply. Check the data label on the unit for fuse, circuit ampacity and other electrical specifications. Refer to the wiring diagram provided inside the control box for proper power connections.

Refer to the Electrical Specifications on page 4 for proper field wire connection.

It is recommended that the unit be plugged into an electrical surge protector for added protection against power surges, which could damage an electrical/electronics component. An electrical surge event may cause the unit to shut down. Such an event would require service by a qualified service technician if the unit was not adequately protected. A good surge protector, as would normally be used on a home computer, should be adequate and are available at most computer retail outlets or electrical supply stores.

FOLLOW YOUR LOCAL ELECTRICAL CODES!

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

This unit is provided with an equipotential grounding lug that is to be properly attached to either the rear of the frame or the under side of the base pan near the entry hole for incoming power, 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 equipment's frame, as well as on the diagram.

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

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

Failure to follow these instructions may result in electrocution or damage to the unit.

Water Connection

New hose sets supplied with the appliance are to be used and the old hose sets should not be re-used.

Refrigerant

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

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

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

This equipment uses CO_2 and must be installed in an area with adequate ventilation. CO_2 in high concentrations is toxic to humans and may cause asphyxiation in confined areas.

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

Taylor reminds technicians to be cautious of government laws regarding refrigerant recovery, recycling, and reclaiming systems. If you have any questions regarding these laws, please contact the factory Service Department.

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

Compressor Warranty Disclaimer

The refrigeration compressor(s) on this machine are warranted for the term indicated on the warranty card accompanying this machine. 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 compressor warranty. It will be the owners' responsibility to make this fact known to any technicians they employ.

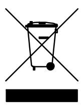
It should be noted, that Taylor does not warrant the refrigerant used in its equipment. For example, if the refrigerant is lost during the course of ordinary service to this machine, Taylor has no obligation to either supply or provide its replacement either at billable or unbillable terms. Taylor does have the obligation to recommend a suitable replacement if the original refrigerant is banned, obsoleted, or no longer available during the five 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, call the local Taylor Distributor or the Taylor Factory. Be prepared to provide the model/serial number of the unit in question.

Environmental Notices

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

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



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

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

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

NOISE LEVEL: Airborne noise emission does not exceed 89 dB(A) when measured at a distance of 1.0 meter from the surface of the unit and at a height of 1.6 meters from the floor.

140808

Important to the Operator

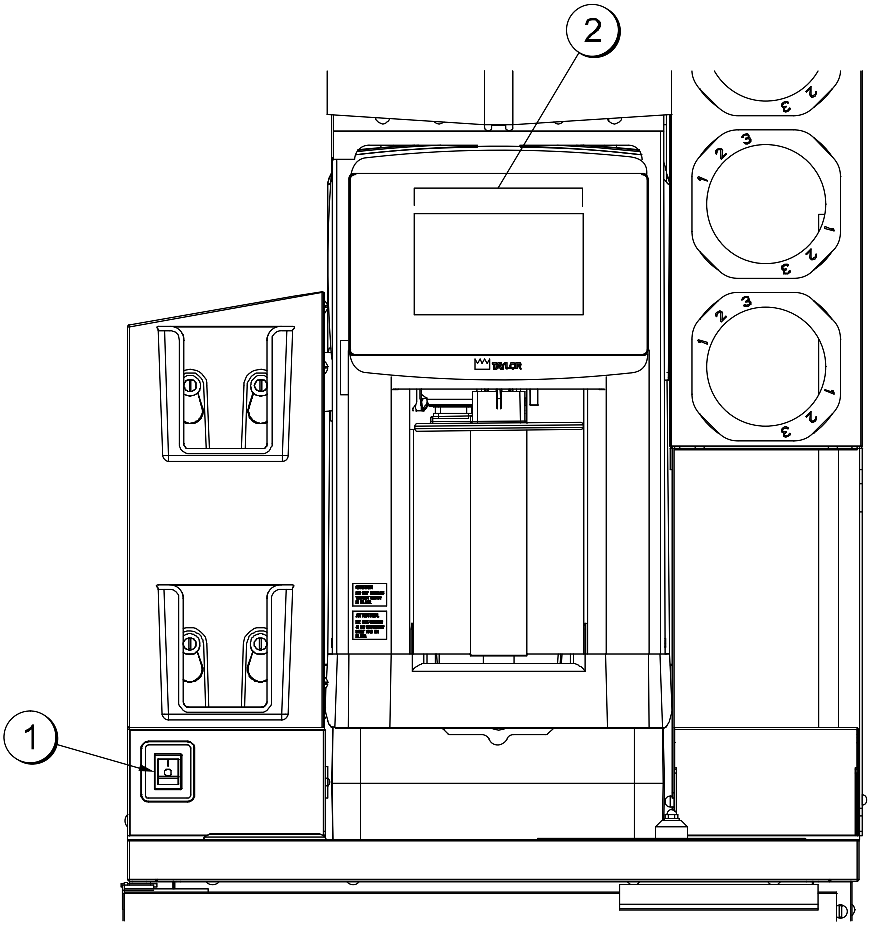


Figure 2

ITEM	DESCRIPTION	FUNCTION
1	Rocker Switch	On/Off switch which powers the machine on or off.
2	Touch Screen Control	Interface screen which allows the operator to control the operation of the machine.

Section 2: Controls and Systems

- Control Overview
- Control Assembly
- Blender Control Board
- Universal Control Board Connections - UVC4
- Refrigerant System
- Refrigerant System Components
- Product Delivery System
- Product Delivery Components
- Rinse Station
- Control Display
- Manager Menu
- Service Menu
- Test Menu
- System Alerts
- System Faults

Control Overview (UVC3)

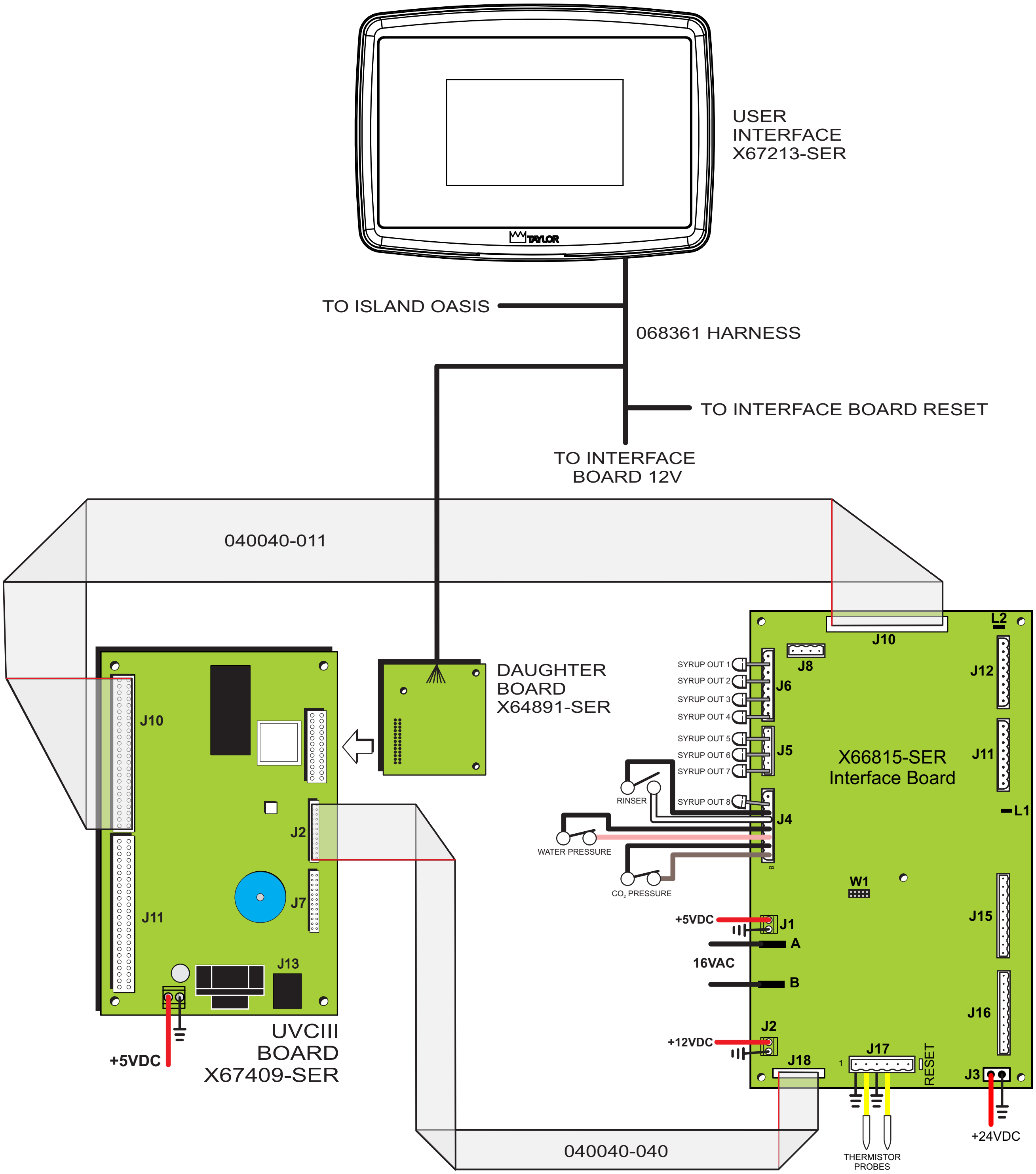


Figure 3

130909

Control Overview (UVC4 - Production Units)

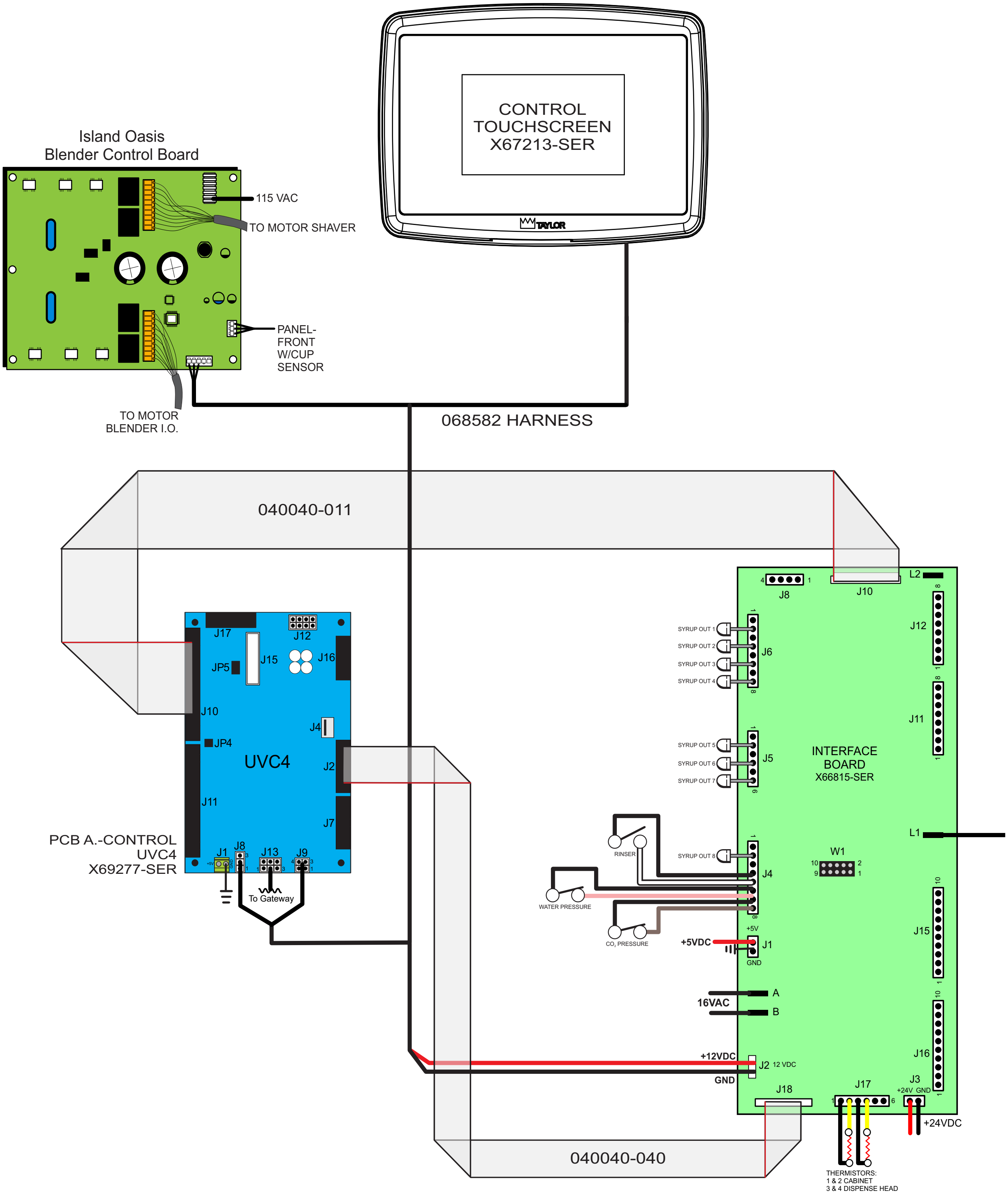


Figure 4

121026

Control Overview (UVC4 - Field Updated)

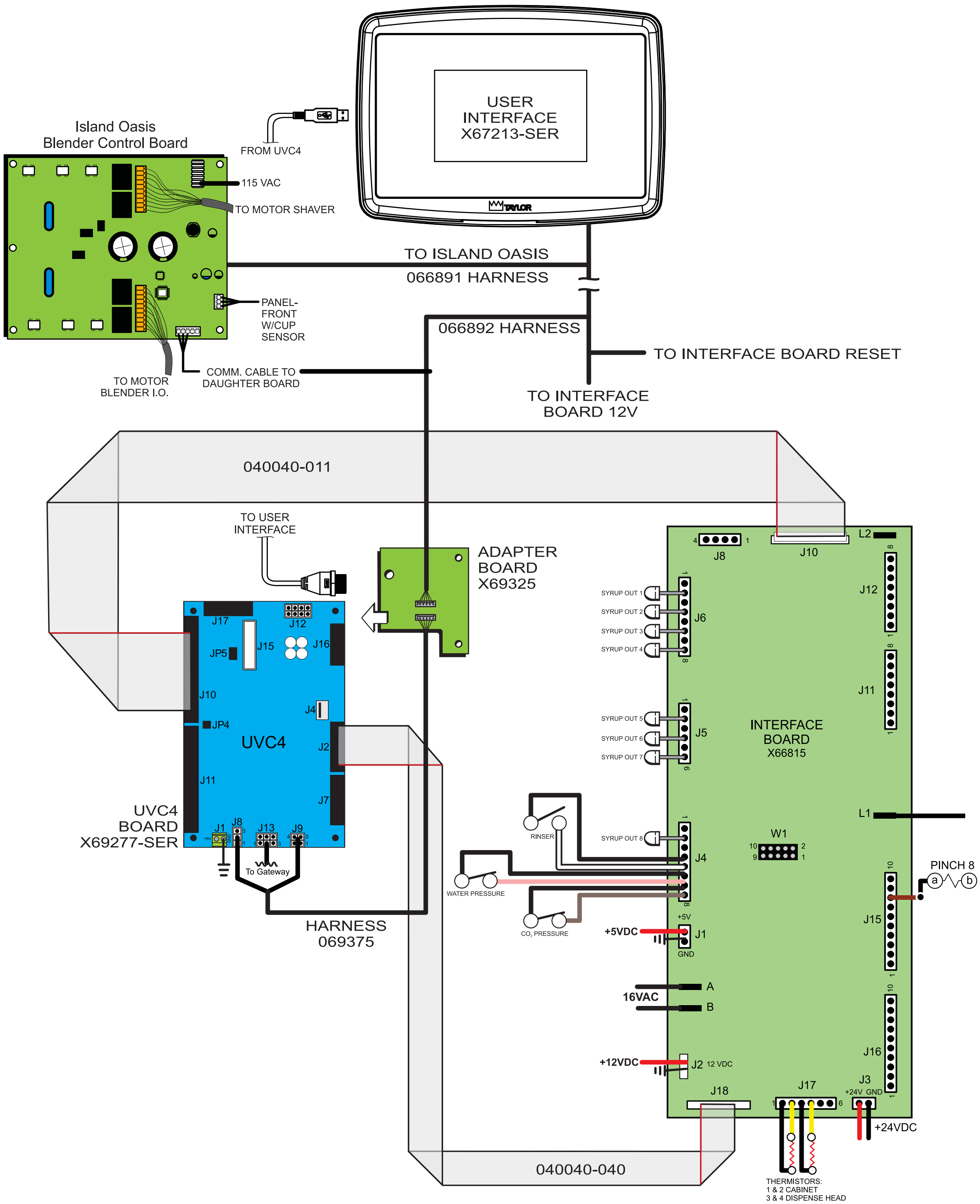


Figure 5

Control Assembly

Interface Board Jumpers

Pins 1 & 2 with the jumper installed: Allows the clock to be changed without brush cleaning the unit.

Pins 3 & 4 with the jumper installed: Sets the unit to a brush cleaned state.

Pins 5 & 6: Unused

Pins 7 & 8: Unused

Pins 9 & 10: Prior to version 1.40.251, this jumper enabled the display of the date and temperatures at the top of the Beverage Select screen. Beginning with version 1.40.251, this jumper disables the display of the date and temperatures at the top of the Beverage Select screen.

Note: See page 78 for illustration of Control Assembly.

Daughter Board (UVC3)

The daughter board is used to communicate with the blender unit.

Adapter Board (UVC4)

The communication adapter board is used to connect the daughter board cable to the UVC4 control.

Blender Control Board

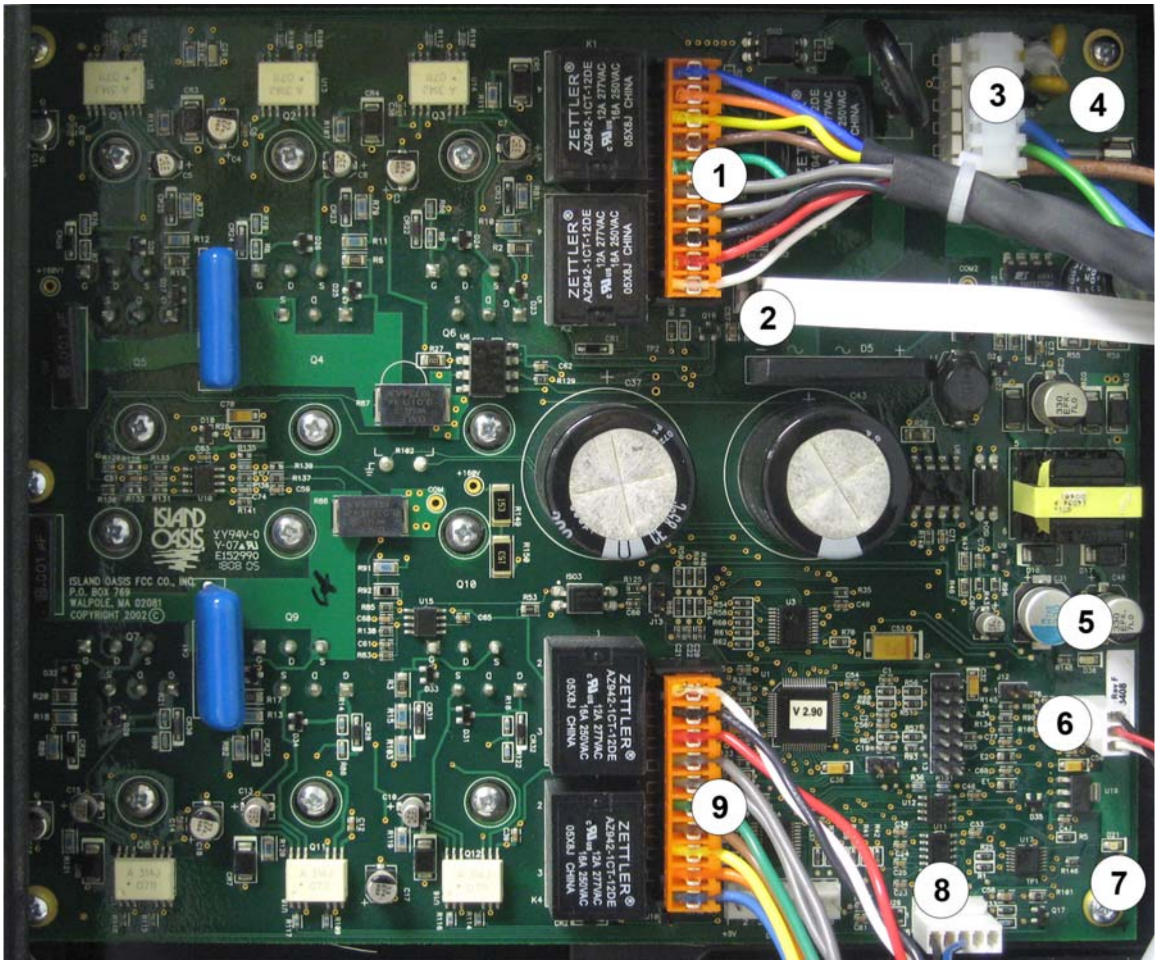


Figure 6

Note: See page 57 for blender control board LED indicator troubleshooting.

ITEM	DESCRIPTION
1	MOTOR-SHAVER
*2	FLOOR-HOPPER
**3	115 VAC POWER SUPPLY
4	FUSE-BOARD-DRIVER I.O.
5	LED-HEARTBEAT

ITEM	DESCRIPTION
***6	PANEL-FRONT W/CUP SENSOR
7	LED-TROUBLESHOOTING
**8	COMMUNICATION CABLE TO DAUGHTER BOARD
9	MOTOR-BLENDER I.O.

* Lid-in-Place Sensor is in ice hopper support.
** Part of 066891 harness.
*** Pitcher-in-Place Sensor is in this panel.

Universal Control Board Connections - UVC4

Beginning in January 2011, Taylor started transitioning from the UVC3 to the UVC4.

Note: UVC4 can only be used to replaced UVC3 boards. UVC4 is not compatible with UVC1 or UVC2.

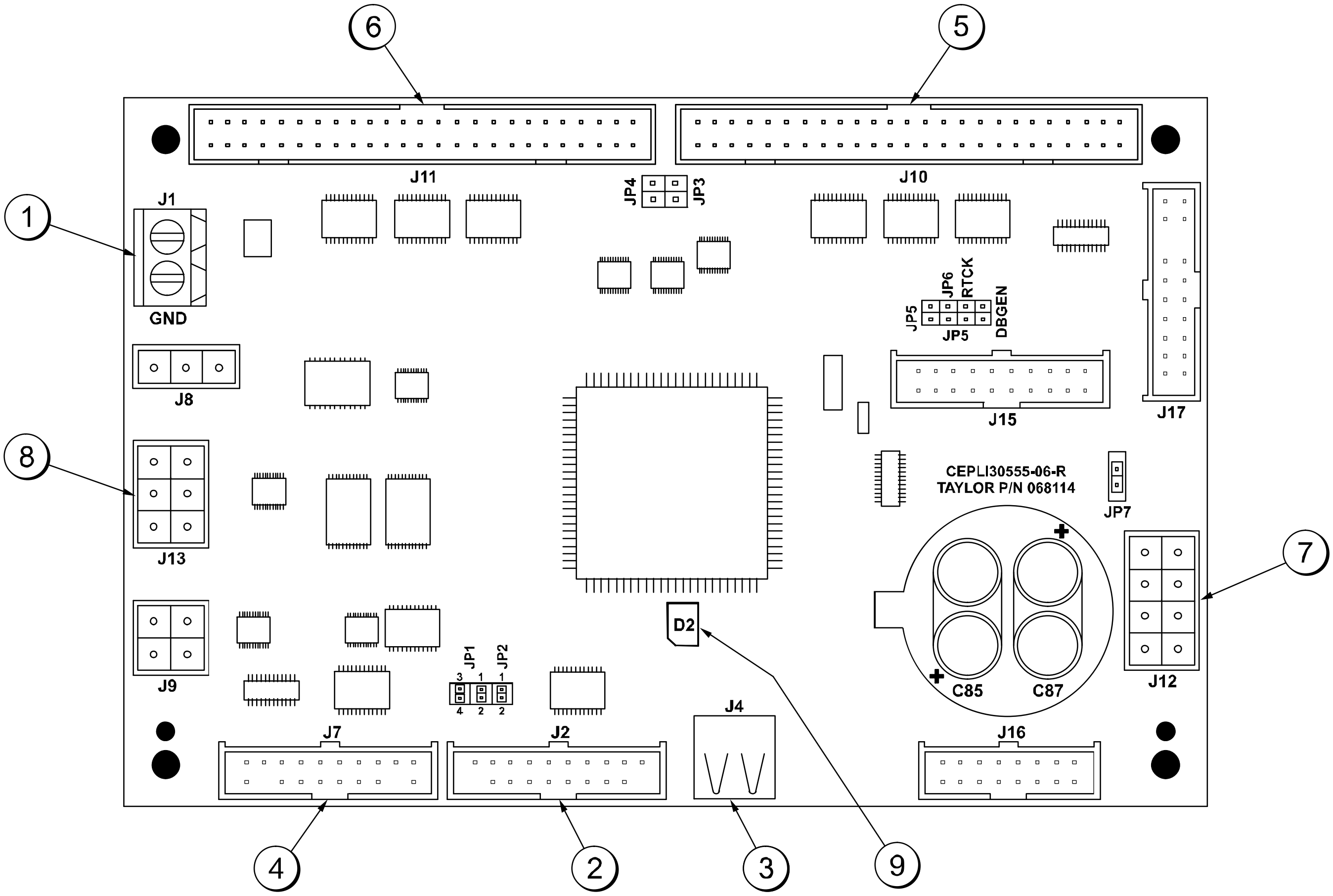


Figure 7

The following chart identifies the connections on the board:

ITEM	JUMPER NO.	FUNCTION
1	J1	5 VDC power input
2	J2	18 pin power loss analog cable
3	J4	USB program port
4	J7	18 pin amp draw and thermistor probe data analog cable
5	J10	50 pin digital cable-left side

ITEM	JUMPER NO.	FUNCTION
6	J11	50 pin digital cable-right side
7	J12	Local On-site Network (LON) cable
8	J13	User interface cable
9	D2	Heartbeat LED

IMPORTANT! See UVC4 Electrostatic Discharge and Proper Handling Procedures on page 20 before handling a UVC4 board.

110630

Universal Control

The Universal Control is the command center for the machine. The software program for the UVC3 control, including multiple language selections, resides in the EPROM chip. The EPROM chip is not used on the UVC4 Universal Control.

The settings in the menus are saved in the RAM chip. Removing and reinstalling the software chip will restore the factory default settings in the menus. The RAM chip must be inserted with the notch towards the side of the socket with the notch.

Power is supplied to the 5 VDC terminal on the UVC3/UVC4 board from the interface board. The operating voltage range for the control is 4.75 – 5.25 VDC.

Note: Beginning with software version 1.07, the default settings can be restored in the Service Menu. This can only be done when the unit is in a Unit Cleaned State.

Note: For installations with low voltage supply (210V or less) it may be necessary to wire the 16 VAC transformer on the low voltage tap. Low voltage supplied to the interface board, in turn reduces the voltage supplied to the UVC3/UVC4 board and may cause intermittent power failure tripping or the control panel keys do not function when the machine is powered.

The UVC3/UVC4 communicates with the control panel interface board through a USB Cable.

There are three sets of pins on the UVC3 board and four sets of pins on the UVC4 board. Refer to the following chart to identify their function.

Note: Use Part No. 040084-001 CONNECTOR-PROGRAMING SHUNT to jumper pins.

UVC4 Electrostatic Discharge and Proper Handling Procedures

The UVC4 board is more susceptible to electrostatic discharge than the UVC3 board. Always use the following procedures to prevent damage when handling the board.

1. Leave boards in their anti-static packaging until they are ready to be installed.
2. Dissipate static electricity before handling the board by touching a grounded metal object, such as the unit's unpainted metal chassis.
3. If possible, use anti-static devices such as wrist straps and floor mats.
4. Always hold the board by its edges. Avoid touching the contacts and components on the board.
5. Take care when connecting or disconnecting cables. A damaged cable can cause a short in the electrical circuit.
6. Prevent damage to the connectors by aligning the connector pins before connecting the cable. Misaligned connector pins can cause damage to components at power-on.
7. When disconnecting a cable, always pull on the cable connector or strain-relief loop, not on the cable itself.

UVC4 Jumper Pin Function and Configuration Chart

UVC4 BOARD		FUNCTION	JUMPER INSTALLED INITIALLY
JP1	PINS 1 & 2	JUMPER INSTALLED-NORMAL APPLICATIONS USING REFRIGERATED MIX.	NO
		NO JUMPER INSTALLED-GENERAL MARKET CONFIGUATION USING NON-REFRIGERATED MIX. IGNORES HOPPER TEMPERATURE LOCKOUT PARAMETERS TO ALLOW ADDING NON-REFRIGERATED MIX INTO THE HOPPER.	
	PINS 3 & 4	JUMPER STORAGE.	NO
JP2	PINS 1 & 2	DOMESTIC CONFIGURATION-JUMPER INSTALLED. HOPPER TEMPERATURE NOT DISPLAYED ON SCREEN / HEAT SYMBOL KEYS ONLY ACTIVE WHEN A LOCKOUT CONDITION HAS OCCURRED / STANDBY KEYS DISABLED.	NO
		INTERNATIONAL CONFIGURATION-JUMPER NOT INSTALLED. HOPPER TEMPERATURES DISPLAYED ON SCREEN / MANUAL HEAT CYCLE START BY SELECTING HEAT SYMBOL / STANDBY KEYS FUNCTIONAL.	
	PINS 3 & 4	JUMPER STORAGE.	NO
JP3	PINS 1 & 2	JUMPER INSTALLED ENABLES AUDIBLE DEVICE LOCATED ON UVC CONTROL. DISABLED IN MODELS THAT HAVE AN AUDIBLE DEVICE ON THE CONTROL PANEL BOARD.	NO
	PINS 3 & 4	JUMPER STORAGE.	NO
JP5*	PINS 1 & 2	JUMPER INSTALLED ENABLES PROXIMITY SENSOR ON SHAKE SIDE FOR VISCOSITY. (UVC4 ONLY)	NO
JP7*	PINS 1 & 2	JUMPER INSTALLED DISABLES RESET. (UVC4 ONLY)	NO

110630

UVC3 EPROM Chip

Note: Not applicable to UVC4.

The EPROM is inserted into a socket on the UVC3 board. The angled corner on the chip identifies the correct position for installation. A PLCC type extraction tool (part no. 059479) is needed to remove the chip from the socket. (See Figure 8.)

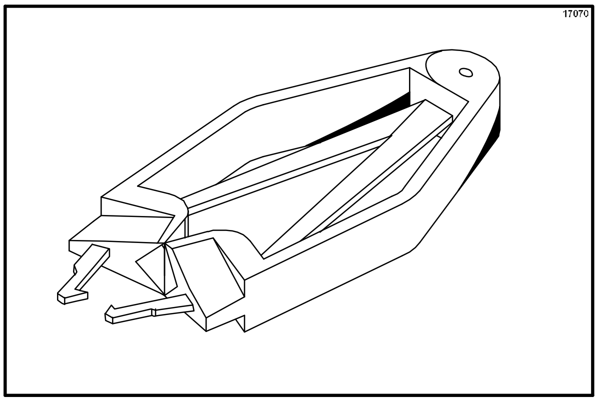


Figure 8

Note: Attempting to remove the EPROM from the socket without using the recommended extraction tool may damage the control board.

It is recommended to record the program settings in the Service Menu before replacing the EPROM chip.

You must be properly grounded during chip installations to prevent possible damage to the chip from electrical discharge. The use of a grounding strap is recommended.

WARNING: Place the power switch in the OFF position and unplug the machine from the power outlet before attempting the chip replacement. Failure to follow this instruction may result in electrocution.

UVC3 RAM Chip

Note: Not applicable to UVC4.

When installing an EPROM chip with a new program version it is recommended to clear the memory in the RAM chip before installing the EPROM chip. (See Figure 9 for RAM chip location.)

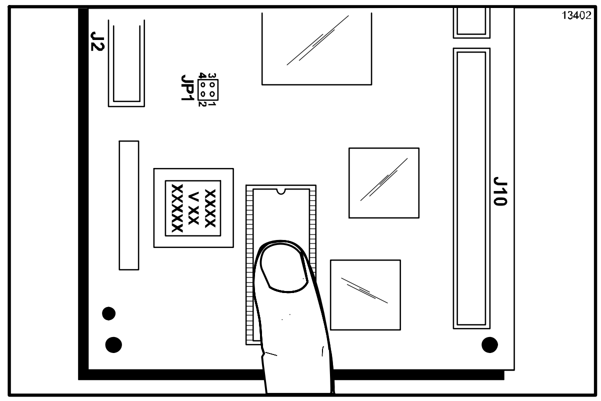


Figure 9

To clear the memory, perform the following steps:

Step 1
Press the MENU key.

Step 2
From the Main Menu, press the NEXT key.

Step 3
Enter the Manager Menu access code: **3 3 1 2**

Step 4
From the Manager Menu, press the Reset to Defaults key.

UVC3 Software Update

The Software Update Menu allows the user to install software updates by using an SD card.

Note: If the UVC3 code version is V1.41 or earlier, bootloading is not available from the SD card.

The first screen displays a warning to verify if the user wants to continue with the software update. If the user does not want to update the software he presses the BACK key to return to the Manager Menu. If the user wants to continue the software update, he presses the NEXT key. (See Figure 10.)

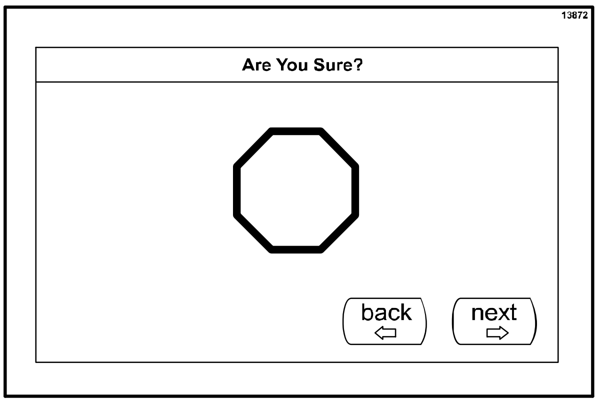


Figure 10

Note: Prior to displaying the next screen, all high voltage and low voltage outputs are turned off.

When the user presses the NEXT key, the control will compare the version of the software on the SD card to the version of software currently running in the UVC3 control. If the SD card software is an earlier version, the following caution screen will be displayed. (See Figure 11.)

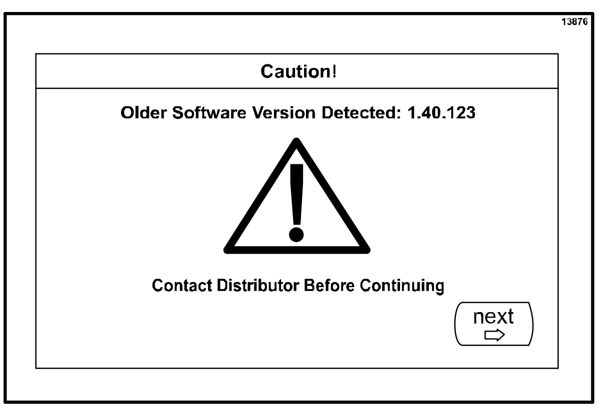


Figure 11

Pressing the NEXT key will proceed to an informational screen that states the following:

"DO NOT turn the power switch off while the software update is in progress. Turning the power off will result in a service call and machine down time."

"It will take approximately 30 minutes to complete the software update. During that time, do not attempt to use the machine."

"If the download is successful, the graphic 'COMPLETE' will display at the end of the software update. If the download is not successful, contact your Local Taylor Distributor for service. Press the NEXT key."

If the user does NOT want to proceed with the software update, press the BACK key to return to the Manager's Menu.

To continue with the software update, press the OK key. The following screen will display. (See Figure 12.)

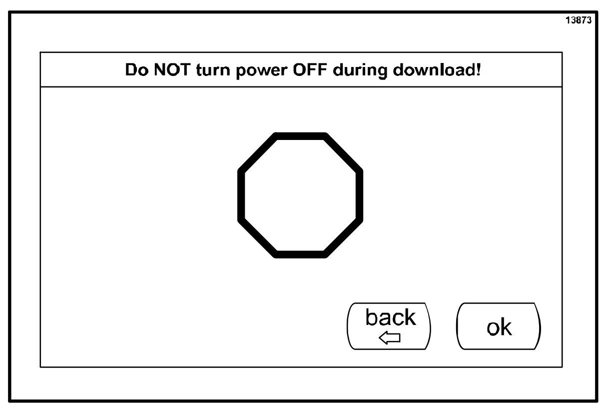


Figure 12

To continue with the software update, press the OK key. The following screen will display while the software update is being performed. (See Figure 13.)

110308

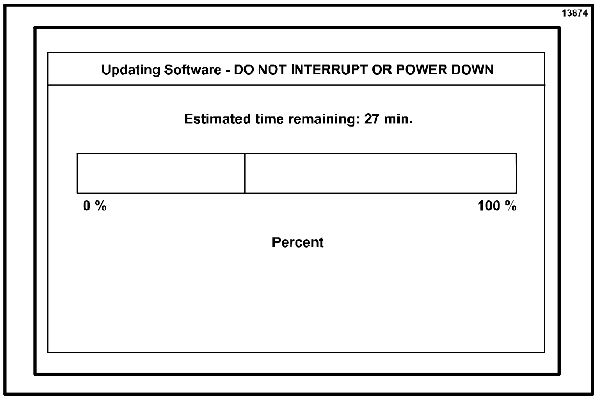


Figure 13

WARNING: Power must not be removed from the system while the software update is being performed. If power is removed from the system while the software update is being performed, the software will be corrupted and a service call will be required to install valid software in the system.

DO NOT power the system down until the final screen is displayed. The software update is not complete until the final screen is displayed, even though the bar graph may appear to be at 100%.

When the software update is complete, the following screen is displayed. At this time the user can either turn the power OFF and back ON to reboot the system, or just wait and the system will reboot itself. (See Figure 14.)

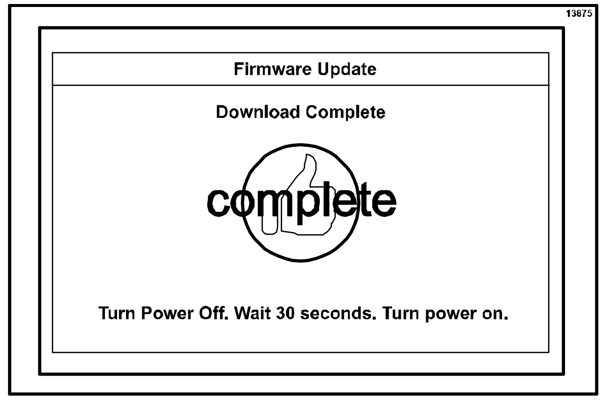


Figure 14

If the download was not successful, the screen will indicate “Download unsuccessful. Chip installation required. Contact service.”

UVC4 Cables - Factory Installed

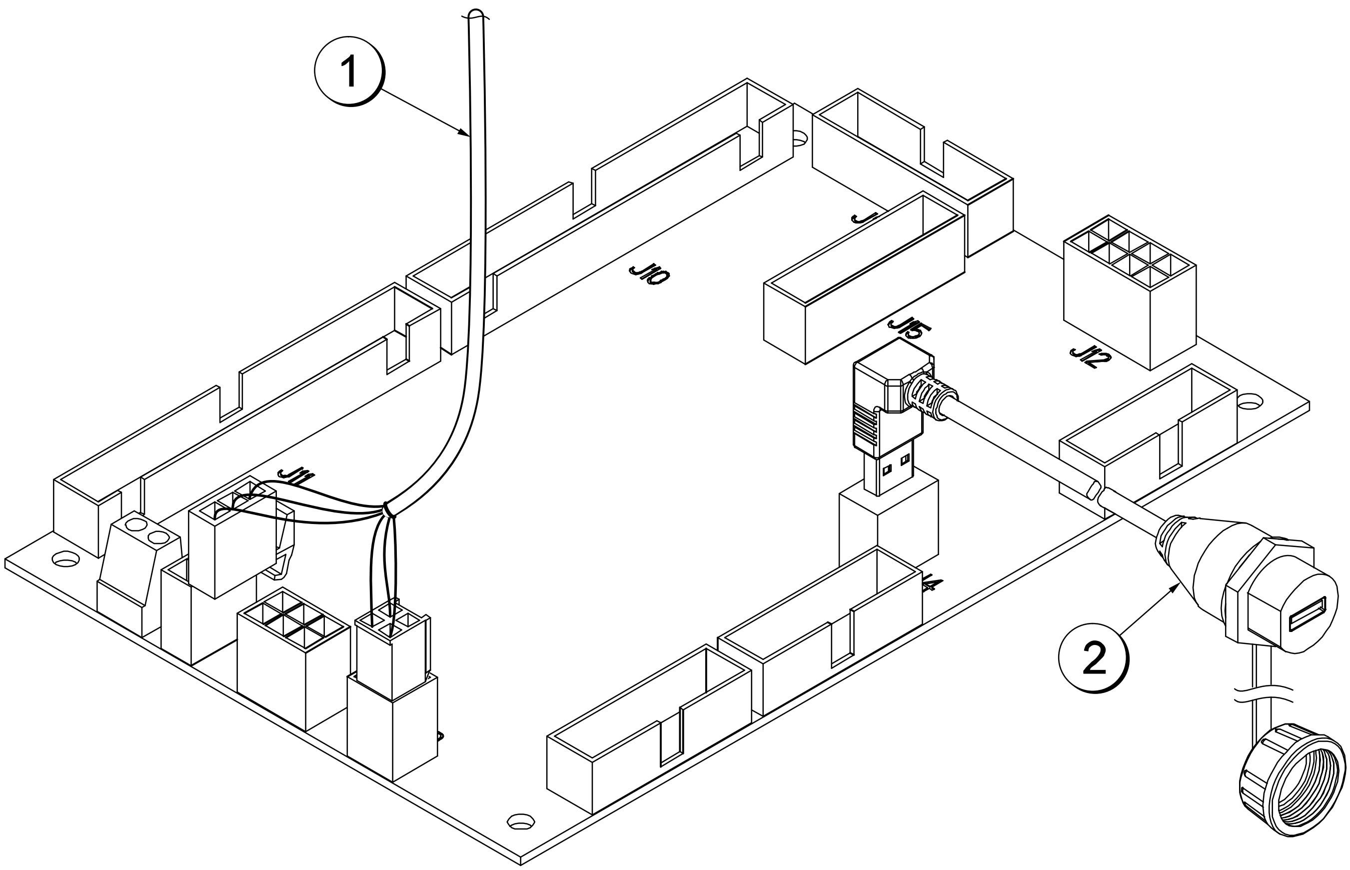


Figure 15

Boards installed at the factory have two cables connected to the UVC4 board. Connected at J13 is the USB cable part number 069491 (1), and connected at J12 is the LON Cable part number 068582 (2).

121119

UVC4 Cables - Field Replacements

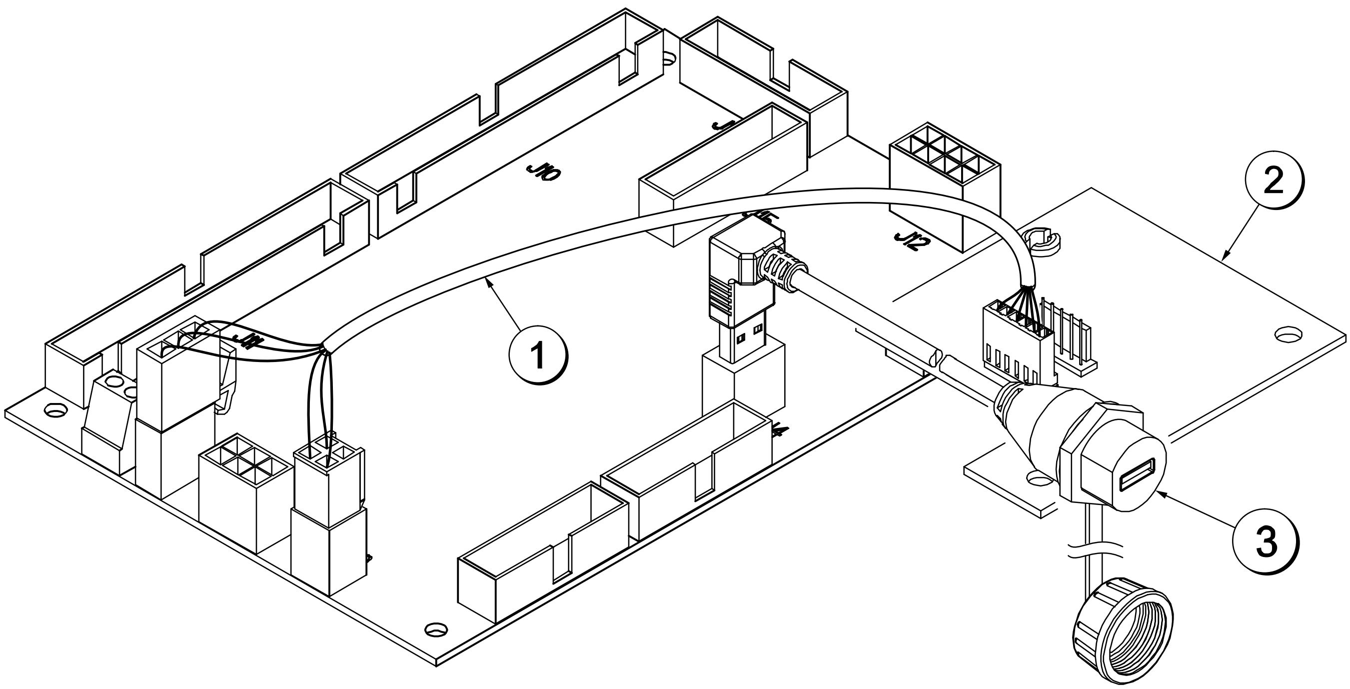


Figure 16

The UVC4 board is interchangeable with the UVC3 board. When replacing a UVC3 board in the field, use X69302 KIT A.-UVC3 TO UVC4, which contains the necessary adapter cable, USB cable, and communication adapter board.

IMPORTANT! See UVC4 Electrostatic Discharge and Proper Handling Procedures on page 20 before handling a UVC4 board.

Refrigerant System (Domestic Units Prior to S/N M1070287)

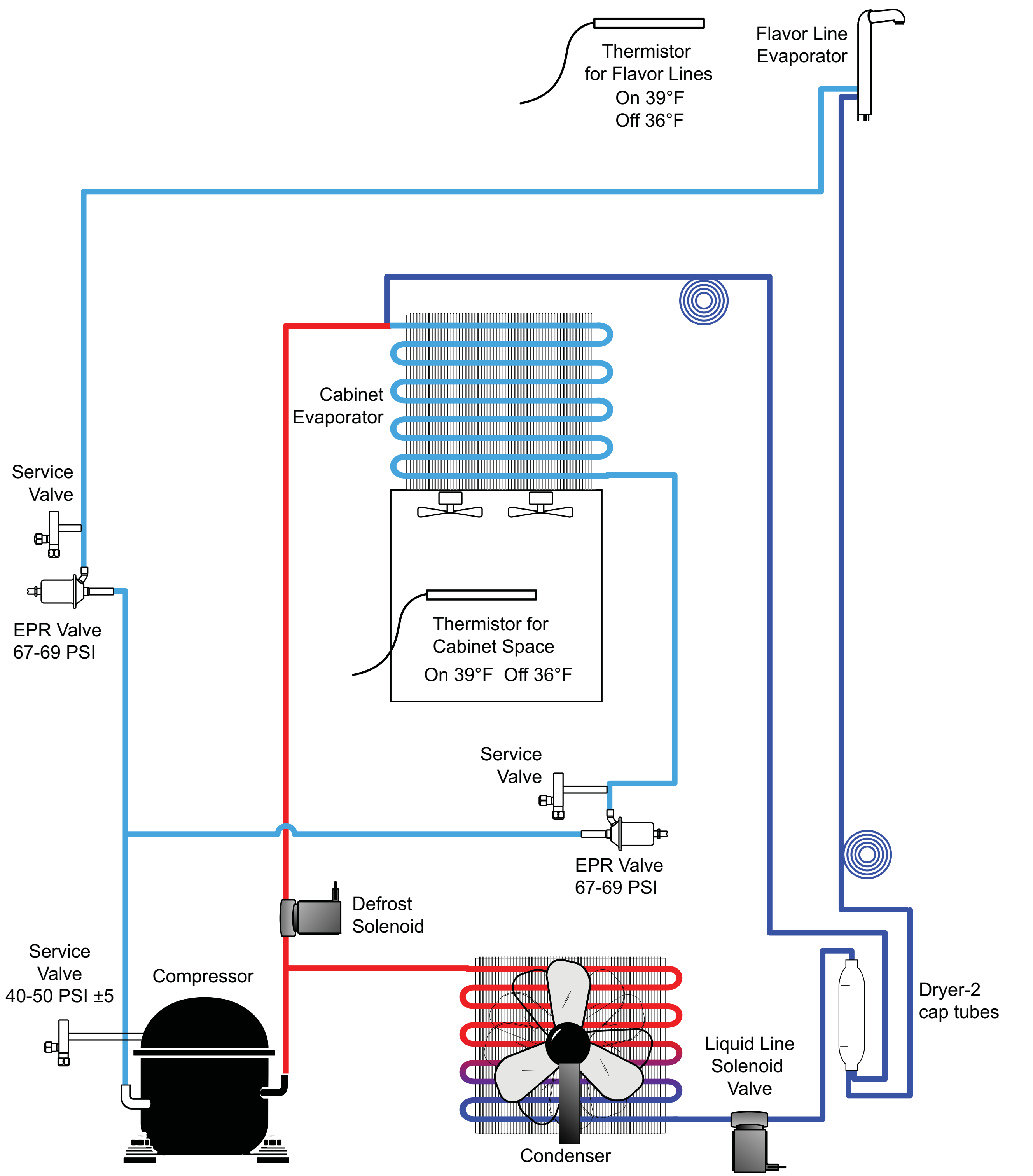


Figure 17

Refrigerant System (Domestic Units Starting With S/N M1070287 & All International Units)

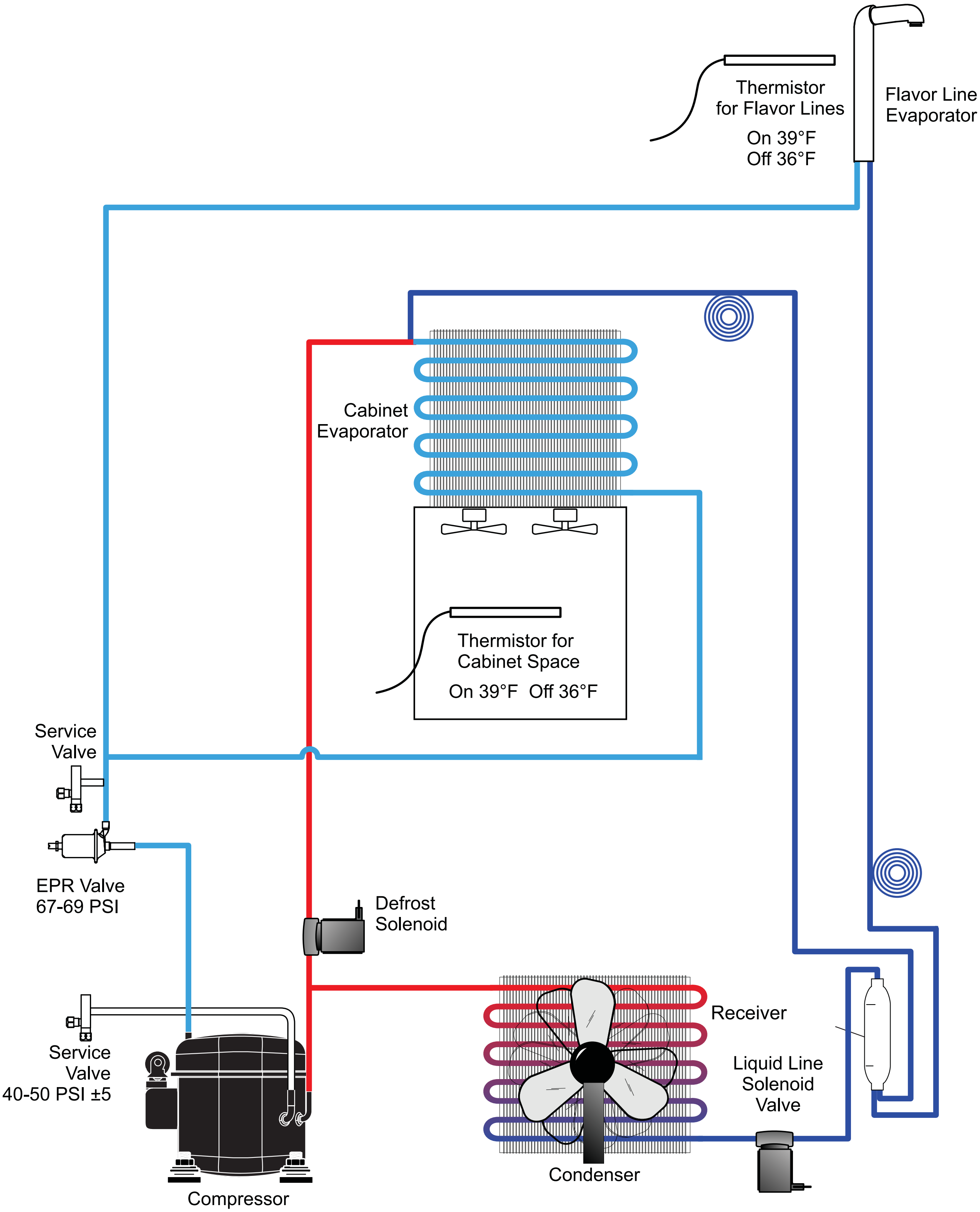


Figure 18

150729

Refrigerant System Components

Refrigeration Set-Up

The Refrigeration Set-Up menu item is available in the Test Menu. The Refrigeration Set-Up menu turns on the liquid line solenoid and the hot gas solenoid and disables refrigeration. This menu item is used during the servicing of the refrigeration system, e.g. charging.

Pressing the NEXT key will turn off the liquid line solenoid and the hot gas solenoid, enable refrigeration, and return the user to the Test Menu.

Refrigeration Compressor

The Tecumseh compressor uses 7 oz. of R404A.

Refrigerant flow is directed by two solenoids: a liquid line solenoid and a defrost solenoid. The defrost solenoid is energized by the control to defrost the evaporator for 3 minutes every 6 hours starting at 03:00. (See page 80.)

EPR Valves

The system uses two EPR valves to control the refrigerant flow. There is one EPR valve for the refrigerated cabinet and one for the flavor line. The EPR valves are both set for 67 - 69 PSI.

Service Valves

The service valves are located behind the service panel on the rear corner, left side of the unit. (See Figure 19.)

From left to right:

The left valve is connected to the high side pressure line.

M1070286 and previous, only: The center valve is connected to the flavor line suction pressure line.

The right valve is connected to the cabinet suction pressure line.

SN M1070286 and previous

Starting SN M1070287 and up

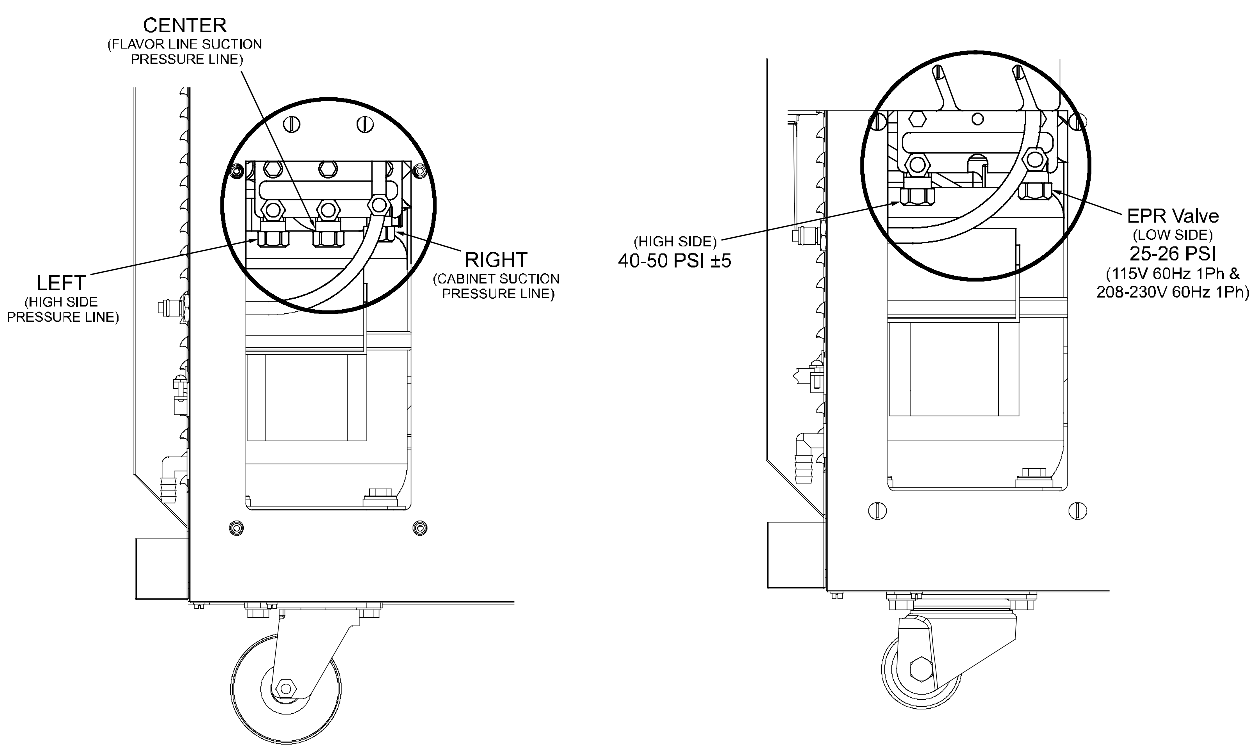


Figure 19

160205

Product Delivery System

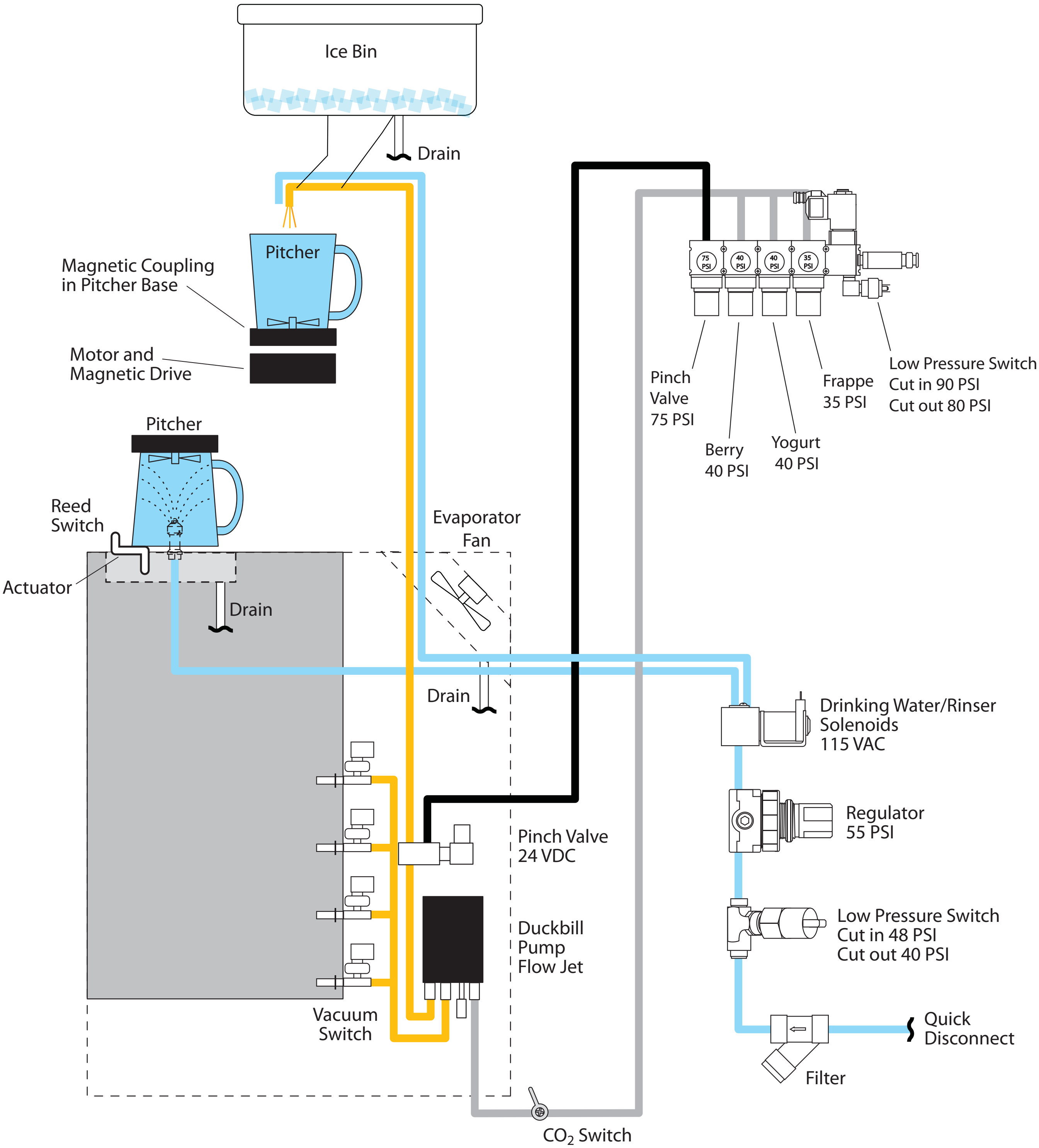


Figure 20

Product Delivery Components

Product Storage

The refrigerated cabinet can hold eight product bins. A bag is placed in each bin and connected with the inlet fitting. The cabinet door can be mounted on either side of the cabinet to allow it to open to the left or the right. (See page 74.)

CO2 Shut Off Valves

CO2 shutoff valves are located above the product bins and beneath the evaporator fans. There is one for each bin. They can be used to shut off CO2 flow to the CO2 pump when a product is not in use or for servicing the pump. If the switch is placed in the down position, CO2 is flowing.

Product Inlet Fitting

The product inlet fittings have a vacuum switch attached behind the service panel.

CO2 Manifold

The CO2 manifold is located behind the power switch and is accessed by removing the box covering the flavor line. This box is removed by unscrewing the wing nut located on the rear panel and sliding the box forward.
(See illustration on page 83.)

The CO2 regulators should be set as follows:

pinch valve = 75 psi

bins 1, 2, 3, 4 = 40 psi

bins 5, 6, 7, 8 = 35 psi

CO2 Dump Valve

A CO2 dump valve valve is located on the CO2 manifold. When the power switch is turned off or power is removed from the machine, the CO2 dump valve will relieve pressure from the CO2 lines.

Pinch Valves

The pinch valve is powered by 24 VDC. CO2 (75 lb./1200 oz.) is present on the inlet side of this valve. When the valve is energized, CO2 compresses a spring and opens the valve allowing product to flow through.

These valves can be replaced by removing the four allen screws holding the body of the solenoid to the mounting plate. (See page 91.)

Note: Do not attempt to remove the four allen screws located on top of the solenoid. These are non-removable screws.

Blender Pitcher Rinse Station

The blender pitcher rinse station activates when a pitcher is properly placed in position, which lowers the actuator. When the actuator is lowered, the magnet inside the actuator closes a reed switch beneath the bowl. After a one second delay, rinse water begins to flow from the spray rinse nozzle.

If the water pressure to the unit is correct, the water will flow for six seconds and dispense approximately 25 ounces of water.

To repeat this cycle, the pitcher must be removed, allowing the actuator to rise to its natural “up” position. This action opens the reed switch. Once the reed switch is open, the rinse cycle resets. This allows the cycle to repeat when another pitcher is placed on the rinse station.

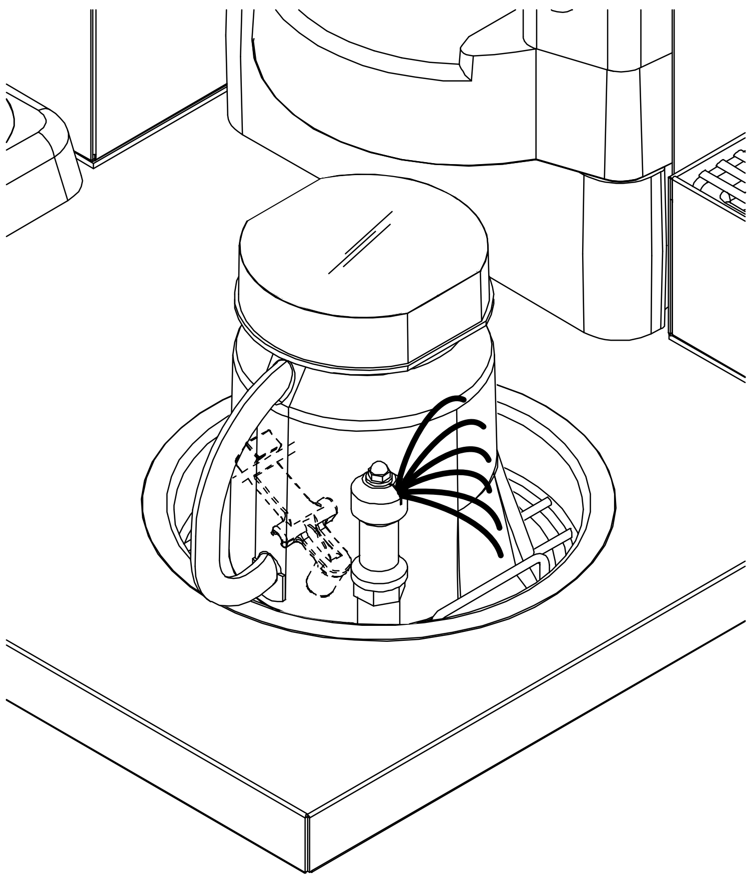


Figure 21

Control Display

Beverage Selection

The Beverage Selection screen is displayed below. The product selection keys are used to select the product to dispense. The MENU key is used to access the Main Menu.

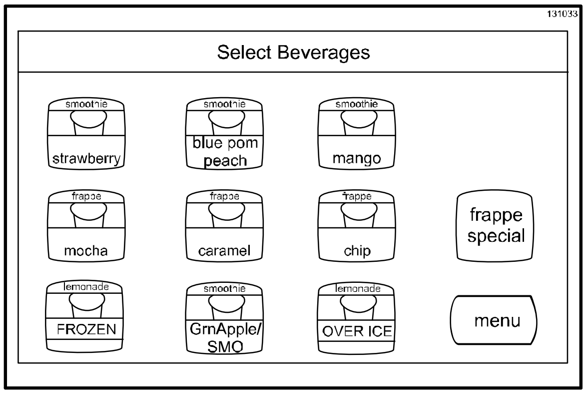


Figure 22

The product selection keys have color-coded borders to indicate the product condition.

Green = Selected Product
Yellow = Product Low
Red = Product Out

The Beverage Option Screen displays the size and drink options for the selected product. (See Figure 23)

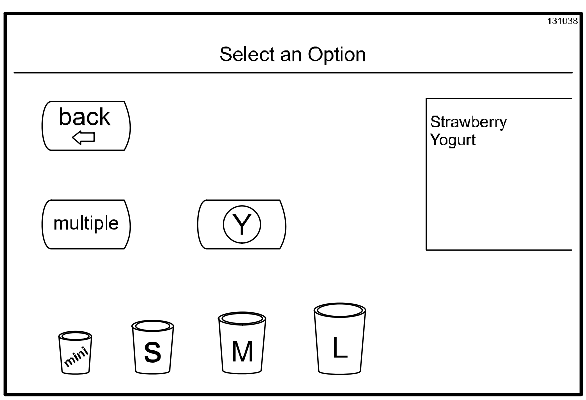


Figure 23

Main Menu

Press the MENU key to display the Main Menu screen. (See Figure 24.)

The ? key is used to access the Help Menu. The Help Menu provides instructions for making a drink, changing a bag, and cleaning a line. This menu is only used for training purposes. (See Figure 22.)

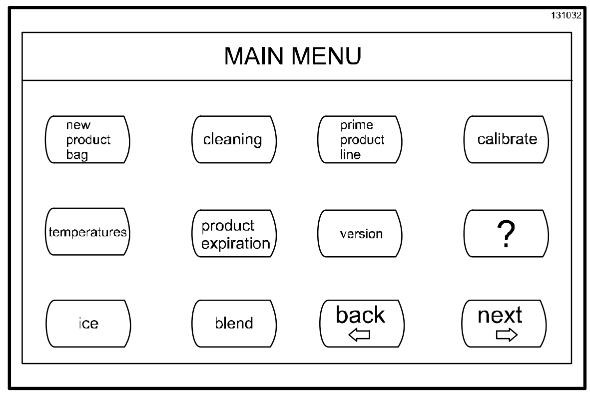


Figure 24

The NEW PRODUCT BAG, CLEANING, PRIMING PRODUCT LINE, and CALIBRATE keys provide access to step-by-step instructions for completing these procedures.

Pressing the TEMPERATURES key will display the system temperatures. Pressing the PRODUCT EXPIRATION key will display expiration information for the products.

Pressing and holding the ICE key will activate the ice shaver. The ice shaver will continue to run until the key is released.

Pressing and holding the BLEND key will run the blender. The blender will be activated for approximately 10 seconds.

Note: A “HOME” key has been added to the cleaning screens to allow the user to easily exit the cleaning screens and return to the Beverage Select screen.

150420

Manager Menu

There are three levels of menu access: Main, Manager, and Service. Each level of access allows access to a greater number of menu options.

To access the Manager Menu, press the MENU key on the Beverage Selection screen. On the Main Menu screen, press the NEXT key. The following screen will display. (See Figure 25.)

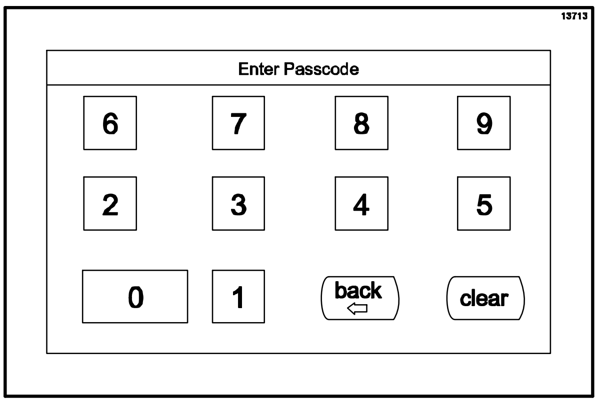


Figure 25

Enter Manager Menu access code **3 3 1 2**. The following screen will display. (See Figure26.)

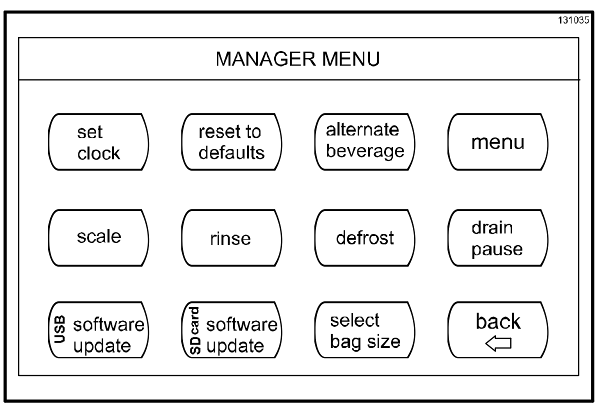


Figure 26

Pressing one of the menu item keys will proceed to that menu item. Pressing the BACK key will return to the Main Menu.

Set Clock

The Set Clock screen is used to set the clock calendar, (time and date). The time and date are displayed in the top line of the numeric keypad screen in the following format:

16:18 08/22/09

The time is in 24 hour format where the time is 00:00 (12:00 am, midnight) to 23:59 (11:59 pm).

To enter the above time and date, the user would press the following keys: 1, 6, 1, 8, 0, 8, 2, 2, 0, 9.

If an incorrect key is pressed, the user must press the BACK key to exit this screen and then press the Set Clock key to re-enter the Set Clock numeric keypad screen. The time and date are not saved until the OK key is pressed. The OK key can be pressed at any time during the time and date editing to save what is displayed. Therefore, if only the hour requires changing, the entire time/date string does not have to be edited. (See Figure 27.)

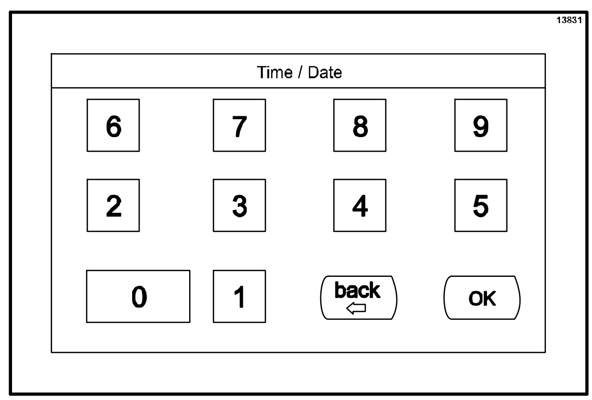


Figure 27

When the OK key is pressed, the displayed time/date is saved.

The Daylight Savings time screen will display. Press the ON key to enable daylight savings time or press the OFF key to disable daylight savings time. (See Figure 28.)

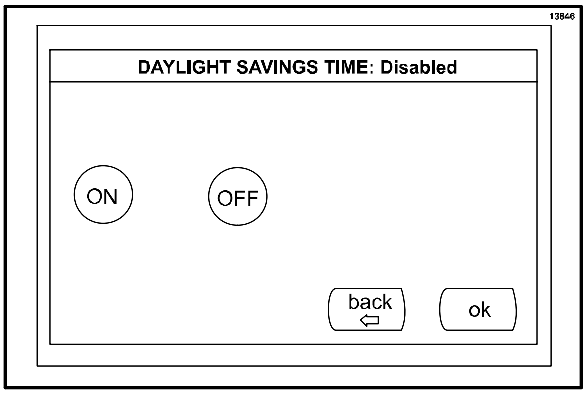


Figure 28

Press the OK key to confirm the selection. The screen will return to the Main Menu.

Note: Pressing the BACK key instead of the OK key returns to the Main Menu without saving any changes.

Reset to Defaults

This menu is used to reset the system to factory defaults. The first Reset to Defaults screen displays a BACK and a NEXT key. Pressing the BACK key will return to the Manager Menu.

Pressing the NEXT key will advance to the second Reset to Defaults screen which states, “Are You Sure?” Pressing the NEXT key will display a screen stating, “Initializing” and then “UVC Control” while the UVC3 resets to defaults. The system will remain in this screen for about 100 seconds and then display the Beverage Select screen and any alerts that may be pending.

After a reset to defaults, calibration must be performed.

Menu (Beverage Select)

This screen allows the user to select the beverages to display in the Beverage Selection screen. The first screen to appear displays all of the selectable beverages. The beverage icons will all have a green border around them to indicate that they will display on the Beverage Selection screen.

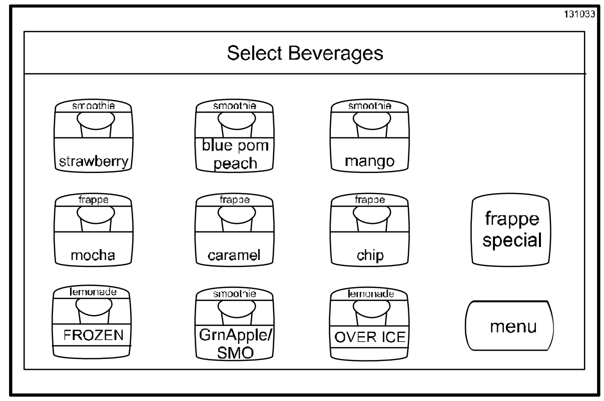


Figure 29

To remove a beverage, press the applicable icon. This will remove the green border. Press the OK key to confirm the selection and proceed to the “Remove Options” screen. (**Note:** To return to the Manager Menu without making a beverage change, press the BACK key.)

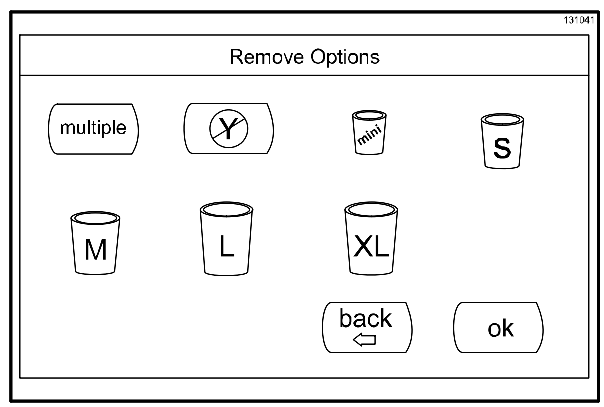


Figure 30

The “Remove Options” screen allows the user to select the options to display in the Beverage Selection screen. All of the selectable options are displayed. To remove an option, press the applicable icon. The deselected icons will change to a light grey color.

Pressing the OK key will save and display only the options that were not removed. (**Note:** To return to the Manager Menu without making an option change, press the BACK key.)

150420

Scale

The Select Temperature Scale Menu allows the user to select which temperature scale to use when displaying temperature; Fahrenheit or Celsius. The current temperature scale is displayed in the text bar at the top of the screen.

If Fahrenheit is displayed in the text bar at the top of the screen and Fahrenheit is the temperature scale desired, press the ON key. If Celsius is desired, press the OFF key. Pressing the BACK key will return to the Manager Menu without any change to the setting. Pressing the OK key will save the selected temperature scale.

Rinse

The Set Rinse Time Menu allows the user to set the length of time that the rinser runs when a pitcher is placed on the rinser. The first screen displays the range of values that are valid. Pressing the NEXT key will display the numeric keypad screen to allow entry of the Rinse Time.

Enter the desired time by pressing the numbers on the display screen. Press the OK key to confirm the selection.

Defrost

In the Defrost Menu, the user can perform a defrost cycle immediately by pressing the Manual Defrost key or he can schedule defrost cycles by pressing the Schedule key. (See Figure 31.)

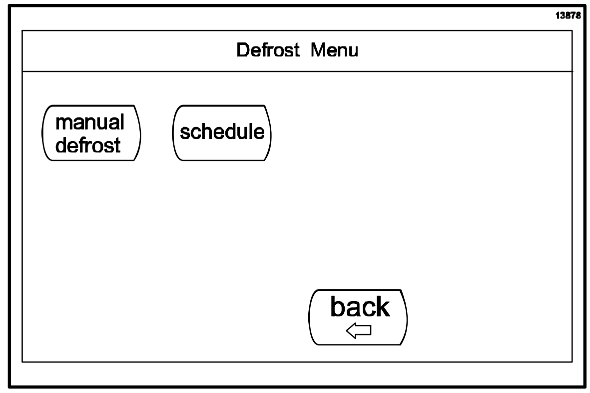


Figure 31

The Manual Defrost Menu allows the user to manually start a defrost cycle. Press the ON key to enable manual defrost or the OFF key to disable manual defrost. Press the OK key to confirm the selection. (See Figure 32.)

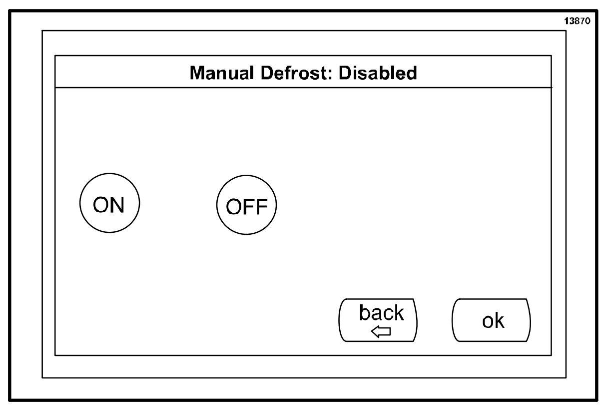


Figure 32

Note: Pressing the BACK key instead of the OK key returns to the Manager Menu without starting a manual defrost cycle.

The Schedule Defrost Menu allows the user to either select the Intelligent Mode or the number of defrost cycles to run daily.

If the Intelligent Mode is selected, a defrost cycle will only be performed if the system determines that a defrost cycle is necessary. (**Note:** The system determines that a defrost cycle is necessary if the compressor runs continuously for over two hours.

As an alternative to the Intelligent Mode, the user can set the system to perform from one to four automatic defrosts daily by pressing the key for the number of daily defrost cycles desired.

The current mode is displayed at the top of the screen. In the example below, the current mode is the Intelligent Mode. (See Figure 33.)

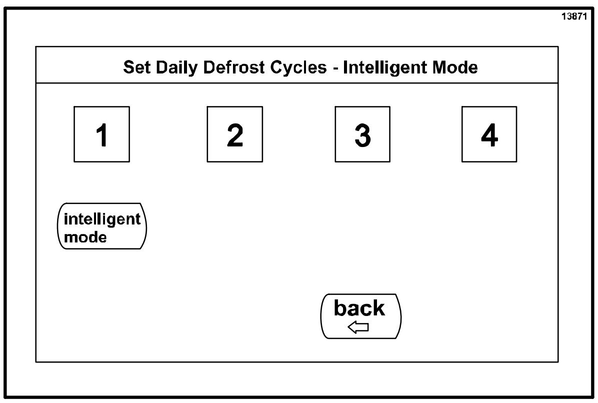


Figure 33

Note: Pressing the BACK key will return to the Defrost Menu without making any selection.

After the Intelligent Mode key or one of the numeric keys is pressed, a screen is displayed to allow confirmation of the new setting. The new setting is displayed at the top of the screen. Pressing the BACK key will return to the Set Daily Defrost Cycles menu without making any changes to the setting. Pressing the OK key will save the new setting and return to the Manager Menu.

The following table shows the schedule for defrost cycles. The defrost cycle takes three minutes to perform.

Defrost Mode	First Cycle	Second Cycle	Third Cycle	Fourth Cycle
Intelligent	**As Necessary**			
1 per day	0300			
2 per day	0300	1500		
3 per day	0300	1100	1900	
4 per day	0300	0900	1500	2100

Drain Pause

The Set Drain Pause Menu allows the user to set the time between sequential pumping actions. The time is adjustable from 0 to 120 seconds. This is done to allow time for the rinser sink to empty before the next pump is activated to help prevent the rinser sink from overflowing during weekly cleaning.

The first screen displays the range of values that are valid. Pressing the NEXT key will display a numeric keypad screen to allow entry of the Rinse Time.

Enter the desired time by pressing the numbers on the display screen. Press the OK key to confirm the selection.

Version

The Version Menu allows the user to view the versions of firmware for the three subsystems in the C029 Blended Ice unit. Press the Version key on the Manager Menu screen to display the UVC firmware version.

Press the NEXT key. The Shaver/Blender version will display.

Press the NEXT key. The User Interface version will display.

Press the NEXT key. The screen will return to the Manager Menu screen.

Note: If no version is available for the Shaver/Blender or the User Interface, the text “No Version” will be displayed.

Software Update

Software Update Menu (UVC4 Only)

The Software Update Menu is in the Manager Menu and also the Service Menu. See page 44.

Service Menu

The Service Menu option allows an authorized service technician to access and modify critical operating parameters for the machine. All the menu screens found in the Manager's Menu are also included in the Service Menu.

Entering Access Code

To access the Service Menu, press the MENU key on the Beverage Select Screen. On the Main Menu screen, press the NEXT key. The following screen will display. (See Figure 34.)

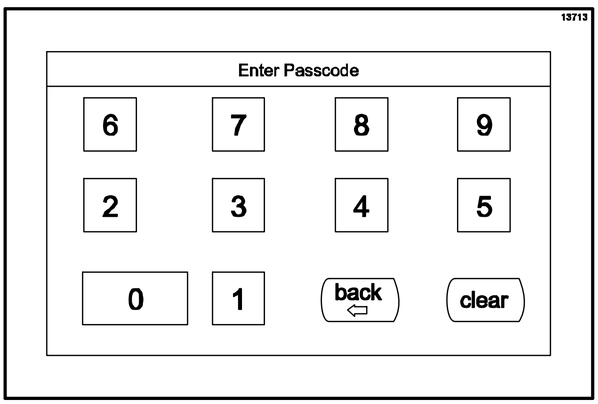


Figure 34

Enter the Service Menu access code **4 4 4 1** and press the OK key. (See Figure 36.)

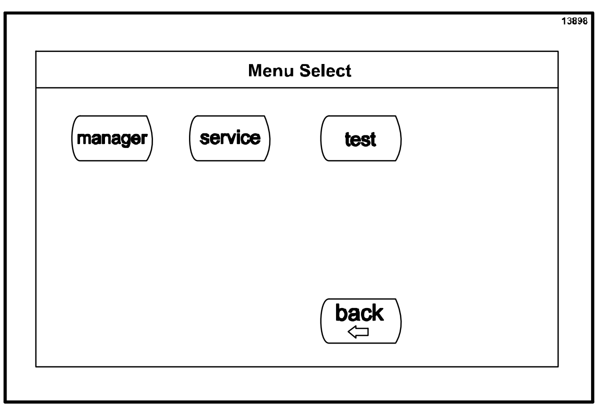


Figure 35

Press the SERVICE key. (See Figure 36.)

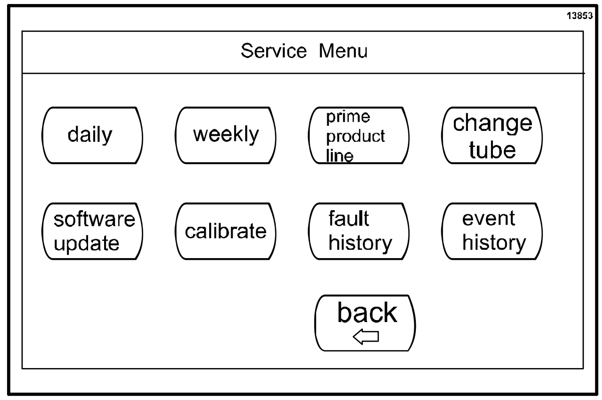


Figure 36

Pressing one of the menu items will proceed to that menu item. Pressing the BACK key will return to the Menu Select screen.

Service Menu Items

Daily

Set Daily Lockout

The Set Daily Lockout Menu allows the technician to set the period for the daily or short term cleaning period.

The first screen to display shows the limits for the Daily Lockout Period. The Daily Lockout Period is measured in hours and can be set from 0 (disabled) to 168 hours (7 days). This lockout is used to force a partial cleaning.

Pressing the NEXT key will advance to a numeric keypad screen which is used to edit the setting. (See Figure 37.)

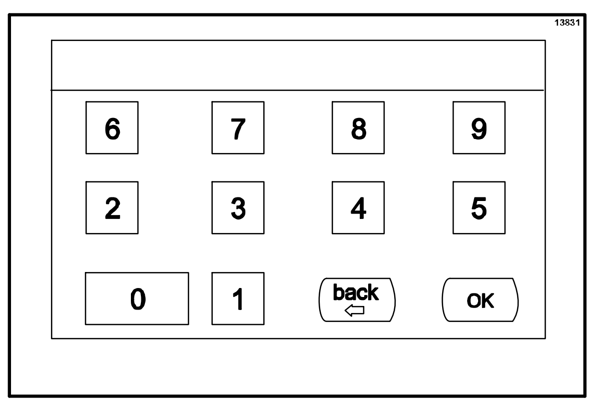


Figure 37

111101

Enter the value by pressing the digits. The new value will appear in the text bar at the top of the screen. To save the new value, press the OK key and the display will return to the Service Menu. To return to the Service Menu without changing the Daily Lockout Period, press the BACK key.

If the value is outside the limits when the OK key is pressed, a message screen will be displayed to inform the user. Pressing the NEXT key returns to the first screen in which the limits are displayed.

Weekly

Set Cleaning Lockout

The Set Weekly Lockout Period menu allows the technician to set the period for the weekly or long term cleaning period. This lockout is used to force a full cleaning.

The first screen to display will show the limits for the Weekly Lockout period. The Weekly Lockout period is measured in days. It can be set from 0 (disabled) to 28 days.

Pressing the NEXT key will advance to the numeric keypad screen which is used to edit the setting. (See Figure 38.)

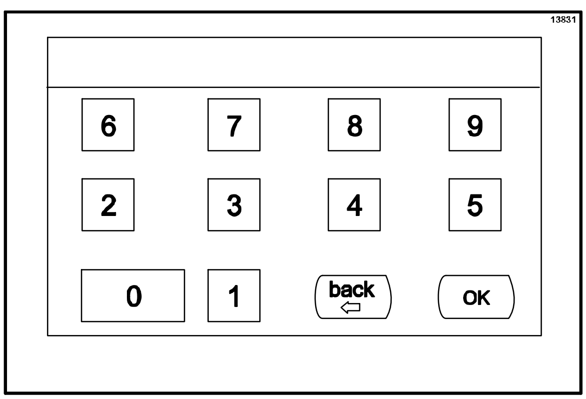


Figure 38

After entering the value by pressing the digits, a new value will appear in the text bar at the top of the screen. Pressing the BACK key will return the user to the Service Menu. Therefore, if an error is made, press the BACK key to return to the Service Menu. From the Service Menu, press the WEEKLY key to re-enter the Set Weekly Lockout period. Press the OK key to save the new value and return to the Service Menu.

If the value is outside the limits when the OK key is pressed, a message screen will be displayed. Pressing the NEXT key returns to the first screen in which the limits are displayed.

Prime Product Line

Prime Single Syrup Line

The Prime Single Syrup Line menu allows the user to prime a single syrup line. (See Figure 39.)

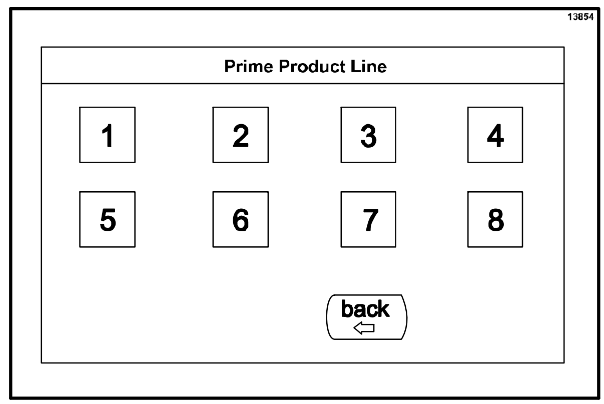


Figure 39

The first screen to display is the pump selection screen. Press the number for the syrup pump to be primed. While the syrup pump is priming, a bar graph screen will display. (See Figure 40.)

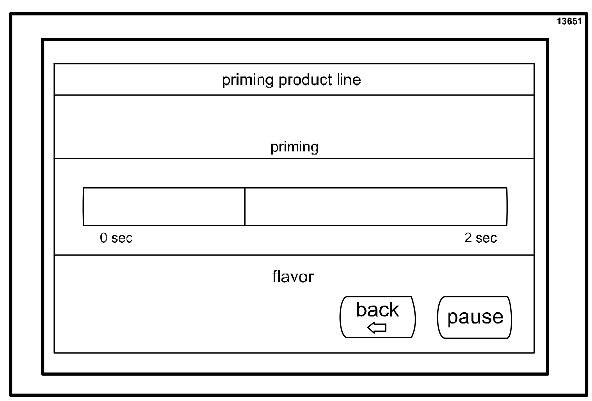


Figure 40

Note: The PAUSE key can be used to stop and resume the process.

Change Tube

Change Single Pinch Tube

The Change Single Pinch Tube menu allows the user to change and break in a single pinch tube.

The first screen to display is the pinch valve selection screen. Press the number for the pinch tube to be changed. (See Figure 41.)

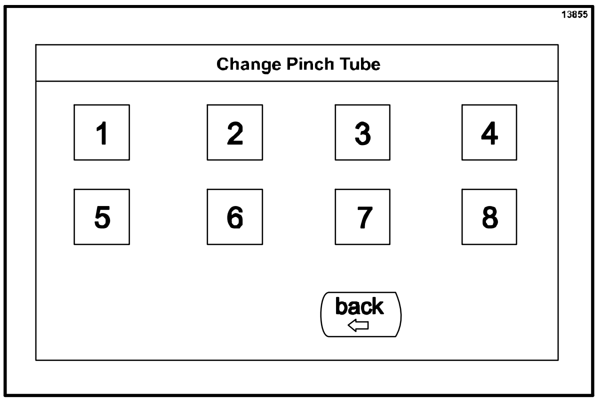


Figure 41

The pinch tube for that syrup line opens for up for a maximum of ten minutes and a bar graph screen displays the time remaining. After replacing the pinch tube, press the NEXT key to close the pinch valve and start the tube break-in. (See Figure 42.)

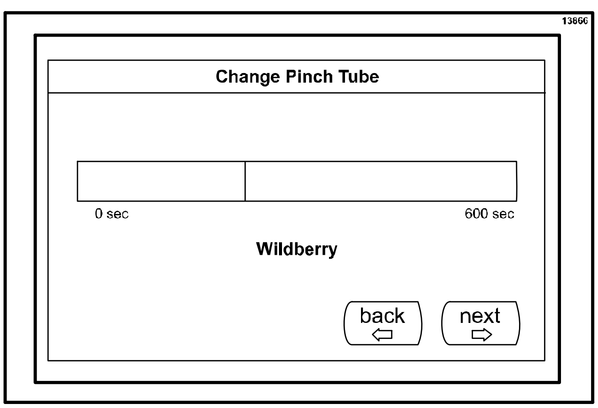


Figure 42

Note: The PAUSE key can be used to stop and resume the process.

If the pinch tube was left open for the full ten minutes (bar graph allowed to run down to zero), the pinch tube will automatically close and start the tube break-in. (See Figure 43.)

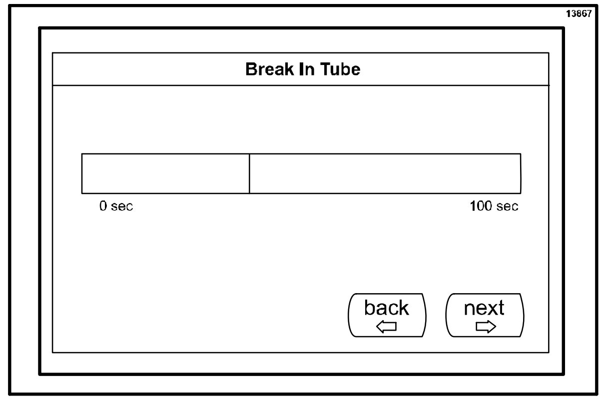


Figure 43

During the pinch tube break-in, the pinch valve is opened for two seconds and closed for two seconds, for a total of 25 cycles. Upon completion of the 25th cycle, the system returns to the Service Menu.

Software Update

Software Update Menu (UVC4 Only)

The Software Update Menu allows the service technician to update the firmware from a USB drive.

The first screen displayed is a warning to verify if the technician wants to continue with the firmware update. To return to the Service Menu without updating the firmware, press the BACK key. To continue with the firmware update, press the OK key. (See Figure 44.)

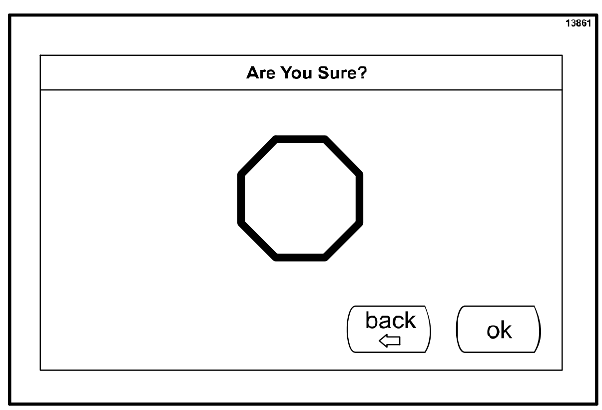


Figure 44

110308

If the file cannot be read from the USB flash drive, a file error screen displays. Get a replacement flash drive or update the flash drive with a valid software file. (See Figure 45.)

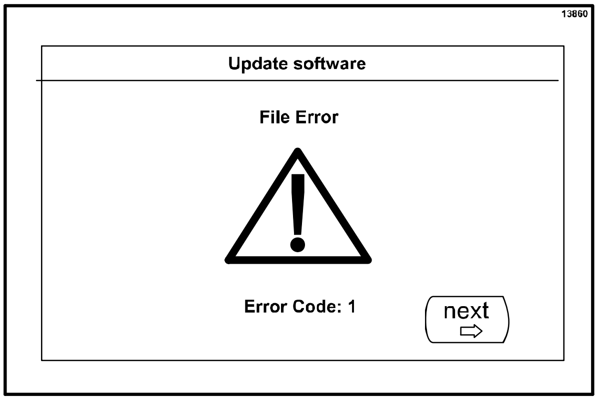


Figure 45

Pressing the NEXT key will return to the Service Menu.

If the software file is found, the file is read into the non-volatile memory (serial flash) on the UVC4 board. While the control is reading the software file, the following screen is displayed. (See Figure 46.)

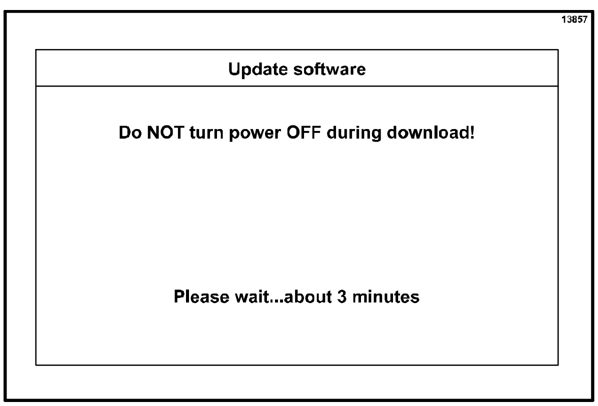


Figure 46

After loading the software file into the non-volatile memory on the UVC4 board, the control reads and verifies the contents of the software file.

If the version of the software file loaded from the USB flash drive is an earlier version than what is currently the version running on the control, the following screen is displayed. (See Figure 47.)

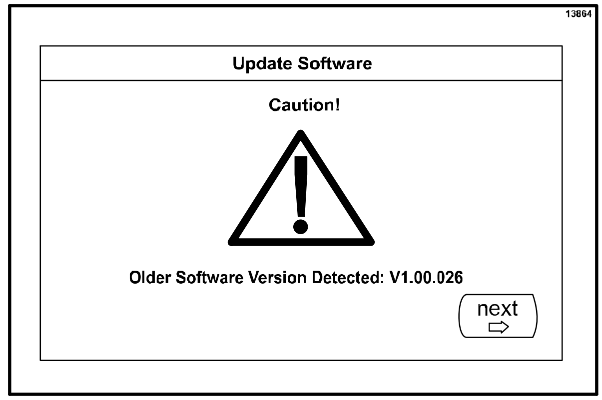


Figure 47

Pressing the NEXT key will display a screen with additional information regarding the programming process and how to return to the Service Menu without loading the older version into the UVC4 program memory.

Pressing the BACK key will return to the Service Menu wihout updating the software.

Pressing the NEXT key will begin programming the UVC4 program memory from the file stored in non-volatile memory on the UVC4 board. The following screens will display. (See Figure 48 and Figure 49.)

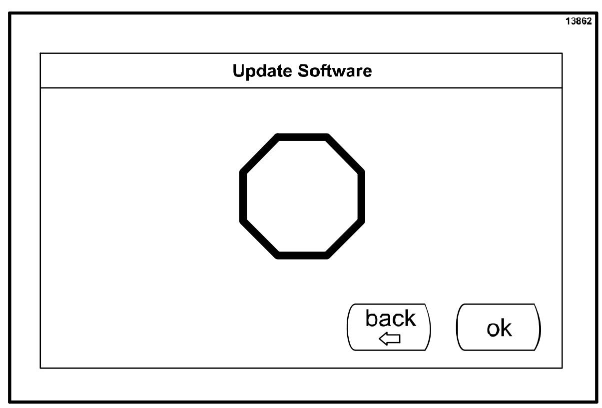


Figure 48

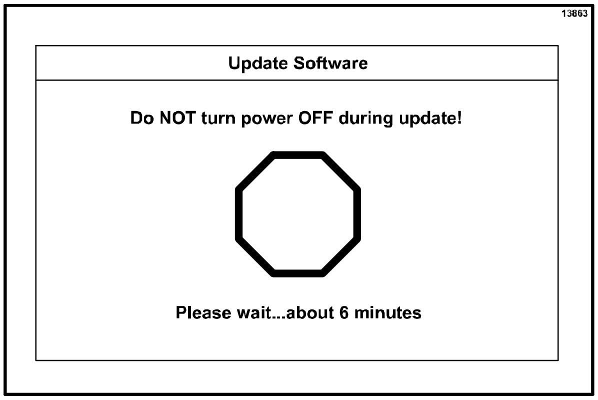


Figure 49

If the previous screen is displayed longer than the time displayed, the update has been unsuccessful. The UVC4 board will have to be reprogrammed by an alternate means or the UVC4 board will have to be replaced.

When the update is complete and successful, the system will display the following screen and then goes to the Beverage Select screen.
(See Figure 50.)

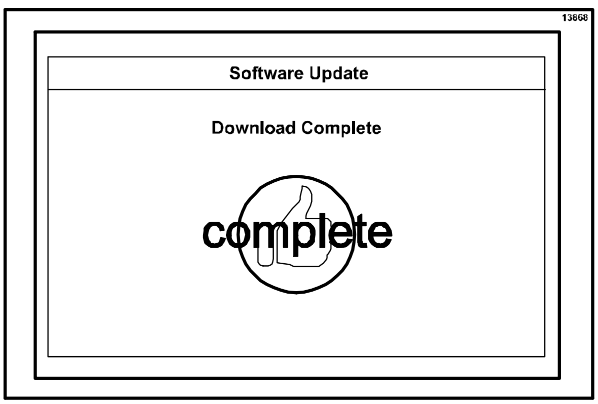


Figure 50

Calibrate

Calibrate Pumps Menu

The Calibrate Pumps Menu in the Service Menu allows the service technician to view and edit the calibration values for the syrup pumps. This is useful when performing a Reset to Defaults or installing new firmware without having to recalibrate the unit. The service technician can record the calibration values before the Reset to Defaults and restore the calibration values after the Reset to Defaults.

From the Calibrate Pumps keypad screen, the technician can press the key for the pump number to view or change the calibration value. Pressing the BACK key will return to the Service Menu.
(See Figure 51.)

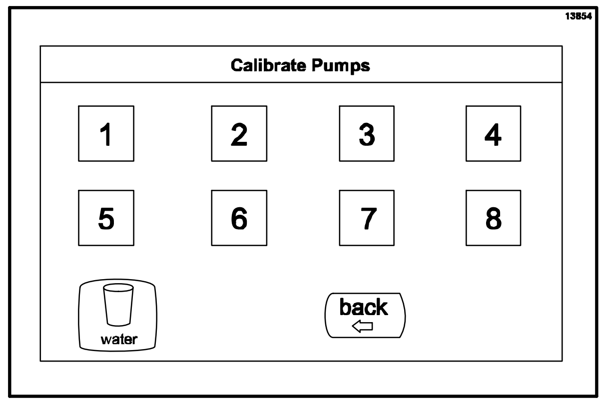


Figure 51

In the screen below, the current calibration value is displayed in the value box above the keypad. To change the calibration value, enter the desired value and press the ENTER key to save it.
(See Figure 52.)

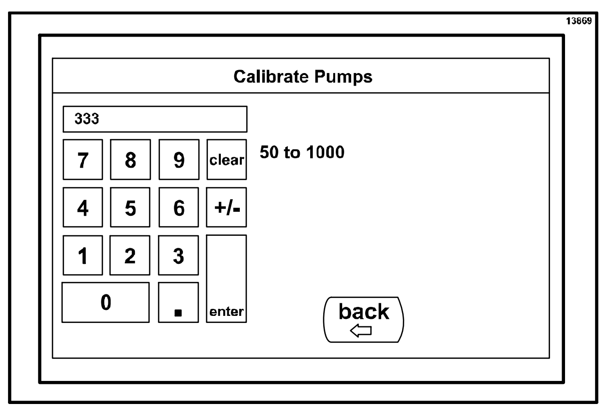


Figure 52

110308

Fault History

Fault History Menu

The Fault History Menu allows the technician to view the last forty faults. Faults are generated when a condition exists that may impact product quality, system functionality, and safety. Fault reporting is broken into a fault and a fault zone. Each fault is stamped with a time and date. All faults that are generated are stored in the Fault History. (See System Faults starting on page 48.)

A sample Fault History screen is shown below. In the top line of the screen, the fault is displayed and then the record number. On the second line of the screen is the device for which the event occurred. The third line of the screen shows the time and date that the event occurred. (See Figure 53.)

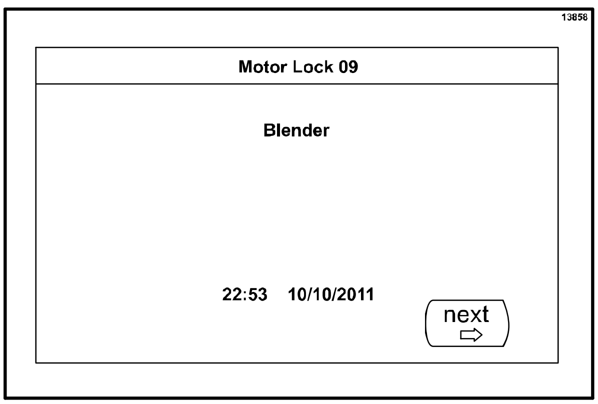


Figure 53

Pressing the NEXT key will advance to the previous fault. When all of the faults in the Fault History have displayed, pressing the NEXT key will return to the Service Menu.

Event History

Events are generated when a condition exists that is operational, such as a Product Out. Event reporting is broken into an event and an event zone. Each event is stamped with a time and date. All generated events are stored in the Event History. A maximum of forty events will be held in the Event History.

A sample Event History screen is shown below. (See Figure 54.)

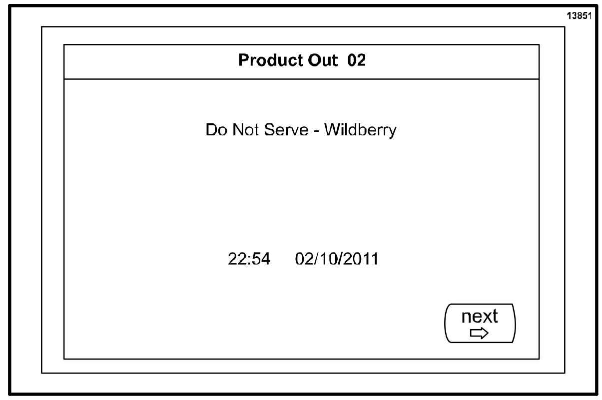


Figure 54

The event is displayed in the top line of the Event History screen. In this example, “Product Out” and the record number “02” are displayed. The types of events that can display include: syrup low, syrup out, ice lid open, no pitcher, invalid drink selected, new bag, and lockout.

The second line of the screen displays the event type, followed by a dash and the event zone. In this example, the event type “Do Not Serve” is displayed, followed by a dash and the event zone “Wildberry”.

If this Product Out event had not occurred during a dispense, there would be no event type and line two would only display “Wildberry”.

The third line of the screen displays the time and date when the event occurred.

Pressing the NEXT key will advance to the previous event. When all of the events in the Event History have been displayed, pressing the NEXT key will return to the Service Menu screen.

Test Menu

Refrigeration Set-up and Change Tube are the menu items available in the Test Menu.
(See Figure 55.)

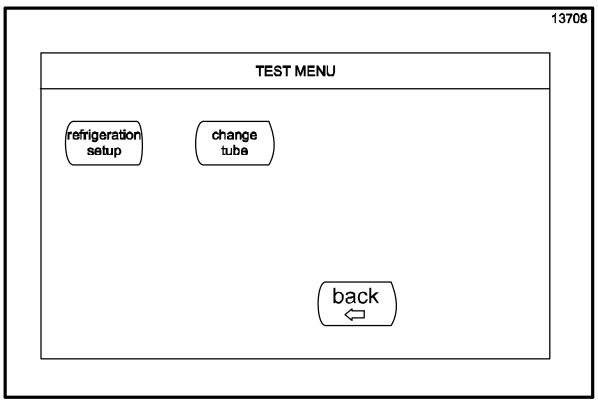


Figure 55

Pressing one of the menu items will proceed to that menu item. Pressing the BACK key will return to the Menu Select screen.

Refrigeration Set-Up

The Refrigeration Set-Up menu turns on the liquid line solenoid and the hot gas solenoid and disables refrigeration. This menu item is used during the servicing of the refrigeration system, e.g. charging.

Pressing the NEXT key will turn off the liquid line solenoid and the hot gas solenoid, enable refrigeration, and return the user to the Test Menu.

Change Tube

The Change Tube menu is used to energize the pinch solenoids, opening them to allow insertion of new pinch tubes. The first screen displayed is simply a message screen. Pressing the BACK key will return the user to the Test Menu.

Pressing the NEXT key energizes all eight pinch tubes. (See Figure 56.)

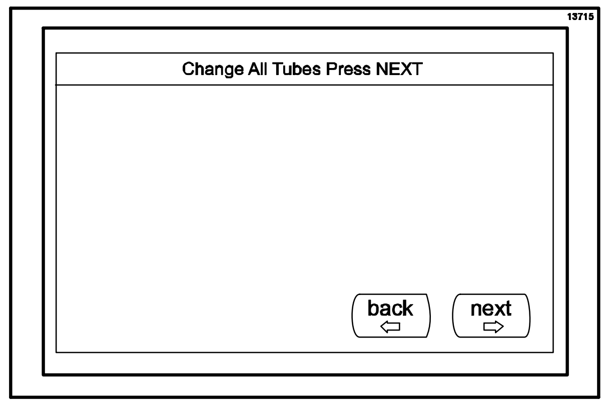


Figure 56

A bar graph screen will display, which counts down from 600 seconds (10 minutes). When the bar graph times out, the system de-energizes the pinch valves. (See Figure 57.)

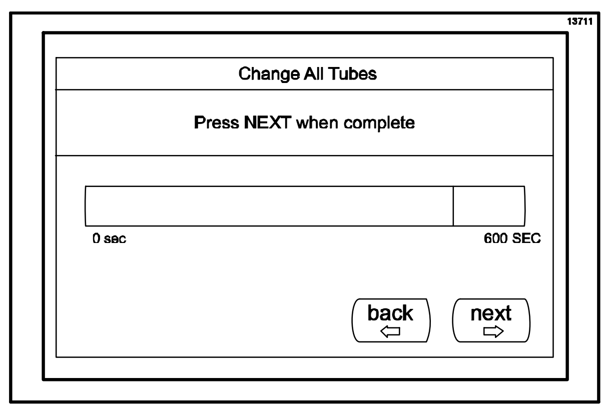


Figure 57

Note: Pressing the BACK or NEXT key before the bar graph times out stops the Change Tube process before completion. The BACK key returns the user to the Test Menu and the NEXT key proceeds to the Break In All Tubes screen.

Press the NEXT key to display the Break In All Tubes screen. Selecting the ON key and then the OK key will start the break in tubes process. Pressing the OFF key and then the OK key will return the user to the Test Menu. (See Figure 58.)

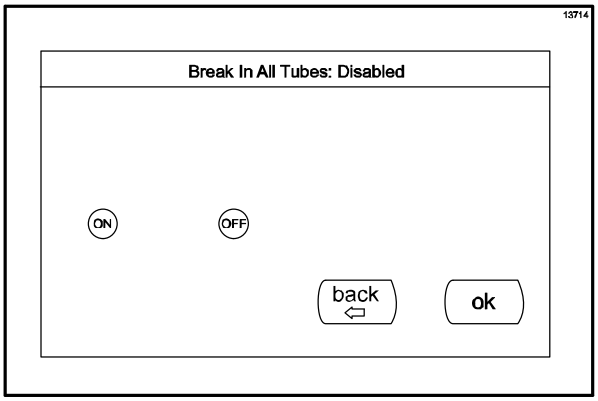


Figure 58

Note: If the BACK key is pressed, the screen will return to the Change Tube screen.

If the ON and then the OK key was pressed, the Break In All Tubes bar graph screen will display. The Break In All Tubes turns the pinch valves ON for 2 seconds and OFF for 2 seconds. It does this 25 times for a total time of 100 seconds. Upon completion of the break in tube process, the screen will return to the Test Menu. (See Figure 59.)

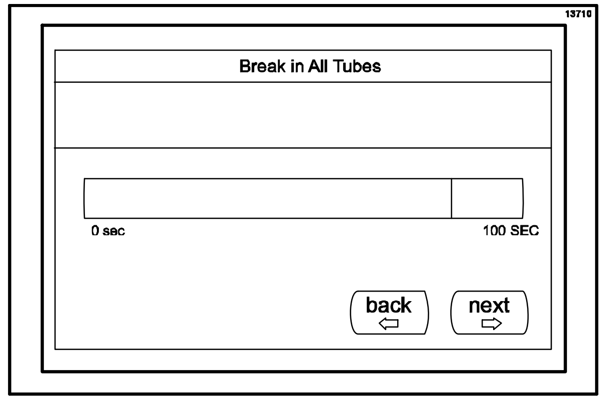


Figure 59

System Alerts

When in the Beverage Select screen, the following message screens may be presented to alert the user to system events.

Cleaning Warnings

Clean in 23 Hours

The Clean in 23 Hours alert occurs 24 hours prior to the cleaning lockout. Pressing the NEXT key will return to the Beverage Select screen.

Clean in 00 Hours

The Clean in 00 Hours alert occurs one hour prior to the cleaning lockout. Pressing the NEXT key will return to the Beverage Select screen.

Cleaning Required

The Cleaning Required alert occurs when the system enters the cleaning lockout. Pressing the NEXT key will return to the Beverage Select screen.

Cleaning Lockout

When the cleaning lockout is active, if the user presses a beverage key, the Cleaning Required, Do Not Serve alert is displayed to indicate that cleaning must be performed before the system will allow the dispensing of beverages. Pressing the NEXT key will return to the Beverage Select screen.

Syrup Out

When a drink key with a red border is pressed, the Syrup Out, Install New Bag alert is displayed. It informs the user that the drink cannot be dispensed and prompts for the installation of a new syrup bag. Pressing the NEXT key will return to the Beverage Select screen.

Blend Pitcher Cleaning Required

The Cleaning Required, Clean Blend Pitcher alert is displayed every four hours to remind the user to clean and sanitize the pitchers and splash guard. Pressing the NEXT key returns to the Beverage Select screen and restarts the 4 hour timer. The timer continues counting, even if power is removed from the system.

Program Corrupt

After a software update download from the Touchscreen has completed, the control verifies that the software downloaded and programmed is correct.

If this message is displayed, some portion of the software is either incorrect or missing, and the system may not function correctly. Service will be required.

Pressing the NEXT key will return to the Beverage Select screen.

Out of Product Water/Do Not Serve

The Low Water Pressure warning screen has been removed. During a dispense of a drink that uses water (example: Over Ice Lemonade) if the water pressure is low for 2 consecutive seconds, the drink will be aborted with a warning screen stating, “Out of Product Water” and “Do Not Serve.” Water pressure is not monitored during Rinse, Calibration, or Prime only during Drink Dispense. Pressing the NEXT key returns to the Beverage Select screen.

System Faults

System faults are categorized by fault type and zone. The zone refers to the area of the unit or the product flavor experiencing the fault.

The fault message screen will appear when the system has experienced a fault. The text at the top of the screen will display the type of fault. The text above the warning symbol indicates the zone. The text below the symbol explains the corrective action that must be performed to clear the fault. (See Figure 60.)

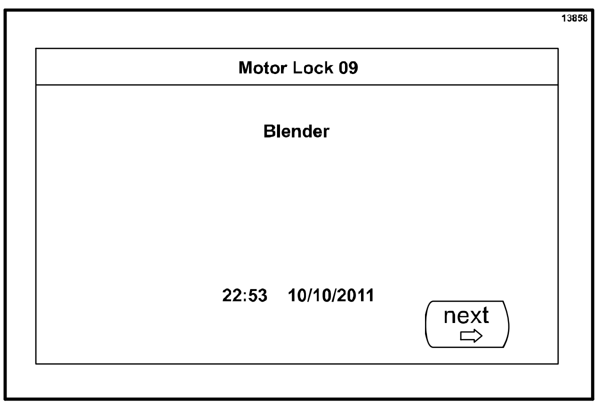


Figure 60

A maximum of 40 faults can be held in the System Fault History.

Syrup Out Fault

The Syrup Out fault occurs when the system detects a product out condition. The zone will indicate which product is experiencing the fault. No drink that requires the product in the product out condition can be dispensed. The fault will clear when the NEW PRODUCT BAG procedures in the Main Menu are completed.

If a Syrup Out fault occurs for a product line being used to dispense a drink, a “Do Not Serve” warning is generated. Pressing the NEXT key clears the warning and returns the screen to the Beverage Select screen. Any product dispensed prior to the fault should be discarded. If a YOGURT OUT fault occurs, it will disable both smoothie products.

Low Water Pressure Fault

The Low Water Pressure fault occurs when the pressure switch associated with a product closes and remains closed continuously for 60 seconds. The Low Water Pressure fault is for informational purposes only and currently no action is taken if the water pressure is low.

Motor Lock Fault

A Motor Lock fault in the Shaver zone indicates that the shaver motor has experienced a locked rotor condition. This fault prevents drinks from being dispensed. To clear the fault, the unit must be turned off and back on.

A Motor Lock fault in the Blender zone indicates that the blender motor has experienced a locked rotor condition. This fault prevents drinks from being dispensed. To clear the fault, the unit must be turned off and back on.

Motor Hall Fault

A Motor Hall fault in the Shaver zone indicates that the shaver motor has experienced a failure of one or more of the motor hall effect sensors. This fault is informational and does not prevent drinks from being dispensed. However, this fault may prevent proper operation of the shaver resulting in improper drink preparation.

A Motor Hall fault in the Blender zone indicates that the blender motor has experienced a failure of one or more of the motor hall effect sensors. This fault is informational and does not prevent drinks from being dispensed. However, this fault may prevent proper operation of the blender resulting in improper drink preparation.

Comm Fail Fault

A Comm Fail fault in the Shaver/Blender zone indicates the control is unable to communicate with the shaver/blender unit. The fault clears once communication is re-established.

A Comm Fail fault in the UVC Control zone indicates the control is unable to communicate with the daughter board in the shaver/blender unit. The fault clears once communication is re-established.

A Comm Fail fault in the User Interface zone indicates that the control is unable to communicate with the user interface. Because the control cannot communicate with the interface, the fault message screen will not display. However, if the user interface loses communication with the control for 30 seconds, the screen will display “COMM LOSS” and an alarm will sound. The screen will return to normal when communication is restored.

Thermistor Open Fault

A Thermistor Open fault occurs when the control detects an open thermistor. The zone will indicate either the Product Cabinet or the Dispense Head.

Thermistor Short Fault

A Thermistor Short fault occurs when the control detects a shorted thermistor. The zone will indicate either the Product Cabinet or the Dispense Head.

Over Temp Fault

An Over Temp fault in the Shaver zone indicates that an over temperature condition was detected in the shaver motor. This fault prevents drinks from being dispensed. To clear this fault, turn the unit off and back on.

An Over Temp fault in the Blender zone indicates that an over temperature condition was detected in the blender motor. This fault prevents drinks from being dispensed. To clear this fault, turn the unit off and back on.

An Over Temp fault in the Shaver/Blender zone indicates that an over temperature condition was detected in the shaver/blender main control. This fault prevents drinks from being dispensed. To clear this fault, turn the unit off and back on.

NVRAM Corrupt Fault

NVRAM is tested at power up to determine if corruption has occurred in stored data. The following are the sections of data that are tested and the faults that are generated if memory corruption is detected.

An NVRAM Corrupt fault in the Active Fault List zone indicates that memory corruption was detected in the active fault list data. The active fault list is cleared if memory corruption is detected.

An NVRAM Corrupt fault in the Fault History zone indicates that memory corruption was detected in the fault history data. The fault history is cleared if memory corruption is detected.

An NVRAM Corrupt fault in the Config Data zone indicates that memory corruption was detected in the configuration data. The configuration data is a collection of mostly data that must remain intact when power is removed. The configuration data is restored to system defaults if memory corruption is detected.

An NVRAM Corrupt fault in the Recipe Data zone indicates that memory corruption was detected in the recipe data. The recipe data holds the information required to deliver each drink. The recipe data is restored to system defaults if memory corruption is detected.

An NVRAM Corrupt fault in the Pump Data zone indicates that memory corruption was detected in the pump data. The pump data holds information related to each pump. The pump data is restored to system defaults if memory corruption is detected.

Ice Lid Open Fault

The Ice Lid Open fault will display any time the ice hopper cover is removed. Pressing the NEXT key clears the fault and returns the screen to the Beverage Select screen. Any product dispensed prior to the fault should be discarded.

No Pitcher Fault

A No Pitcher fault occurs if the blending pitcher is not present prior to or removed during a dispense. Pressing the NEXT key clears the fault and returns the screen to the Beverage Select screen. Any product dispensed prior to the fault should be discarded.

Cleaning Lockout Fault

A Cleaning Lockout fault occurs if the weekly cleaning lockout period expires. The unit will enter a locked mode and no drinks can be dispensed. The fault will clear when the weekly cleaning procedures in the Main Menu are completed.

Cabinet and/or Dispenser Head Too Warm

The product cabinet temperature and/or the dispenser head temperature was over 41°F (4.4°C) for four hours.

The product cabinet temperature and/or the dispenser head temperature was over 45°F (4.4°C) for 60 minutes.

User Stop Fault

The User Stop fault occurs any time the STOP button is pressed. The stop button turns off all product pumps, the shaver and the blender, and clears any drink selection.

Section 3: Troubleshooting

- General Troubleshooting
- Blender Troubleshooting
- Touch Screen Troubleshooting
- Interface Inputs/Outputs

General Troubleshooting

PROBLEM	PROBABLE CAUSE	REMEDY
Blender pitcher is under-filling.	Incorrect recipe was selected.	Select the correct recipe.
	Ice hopper is out of ice.	Refill ice hopper.
	Ice is bridging in the hopper.	Use a sanitized cup to push the ice down into the middle of the hopper.
	The product, ice, or yogurt is out of calibration.	Recalibrate. (Note: If 6 oz of ice doesn't shave within 3 seconds, check blade for sharpness.)
	The ice chute is clogged.	Remove and clean the ice chute.
	Product bag was not shaken prior to install.	Shake the product bag and reinstall.
	CO2 pressure is too low.	Adjust pressure setting.
	Faulty CO2 regulator.	Replace regulator.
	CO2 leak.	Repair leak.
	Faulty or worn pinch valve.	Replace pinch valve.
	Worn pinch tube.	Replace pinch tube.
	The shaver blade is dull.	Replace the blade assembly.
Blender pitcher is over-filling.	The product, ice, or yogurt is out of calibration.	Recalibrate. (Note: If 6 oz of ice doesn't shave within 3 seconds, check blade for sharpness.)
	Product bag was not shaken prior to install.	Shake the product bag and reinstall.
	Incorrect recipe was selected.	Select the correct recipe.
	CO2 pressure is too high.	Adjust pressure setting.
	Faulty CO2 regulator.	Replace regulator.
	Faulty pinch valve.	Replace pinch valve.
Product is too thick.	Product, ice, or yogurt is out of calib-ration.	Recalibrate. (Note: If 6 oz of ice doesn't shave within 3 seconds, check blade for sharpness.)
	Worn pinch tube.	Replace pinch tube.
	CO2 pressure is too low.	Adjust pressure setting.
	Faulty or worn pinch valve.	Replace pinch valve.

PROBLEM	PROBABLE CAUSE	REMEDY
Product is too thin.	Product, ice or yogurt is out of calibration.	Recalibrate. (Note: If 6 oz of ice doesn't shave within 3 seconds, check blade for sharpness.)
	The ice chute is clogged.	Remove and clean the ice chute.
	CO2 leak.	Repair leak.
	CO2 pressure is too high.	Adjust pressure setting.
	Faulty pinch valve.	Replace pinch valve.
Machine will not blend.	Invalid recipe selection.	Enter a valid recipe.
	Too much ice.	Recalibrate. (Note: If 6 oz of ice doesn't shave within 3 seconds, check blade for sharpness.)
	Ice hopper cover is not properly installed or is damaged (example: magnet fell out).	Install the hopper cover properly. Replace the hopper cover if it is damaged.
	Machine is unplugged.	Plug into wall receptacle.
	The breaker is tripped.	Reset the breaker. Evaluate for shorts.
	The blender pitcher is faulty.	Replace the blender pitcher.
	The blender motor is faulty.	Replace the blender motor.
Rinser station is not working.	There is no water to machine.	Repair the water connections.
	Low water pressure.	Adjust the water pressure.
	The rinser head is clogged.	Clean or replace rinser head.
	The rinser actuator is not installed.	Install the rinser actuator.
	The rinser actuator is faulty.	Replace the rinser actuator.
	The rinser actuator is not moving freely.	Remove, clean, and reinstall the rinser actuator. Make sure the rinse station grate and sink strainers are not binding the operation of the actuator.
	The rinser actuator reed switch is out of position.	Remove the panel beneath the bowl and adjust the position of the reed switch.
Product keeps dripping from the dispenser head.	Worn pinch/product tube.	Replace the pinch/product tube.
	Faulty pinch valve.	Replace pinch valve.

PROBLEM	PROBABLE CAUSE	REMEDY
Machine will not dispense.	No blender pitcher in dispensing area.	Place blender pitcher into dispensing area.
	Machine is not in the “Ready to Dispense” mode.	Press the Menu/Cancel key until the “Ready to Dispense” screen is displayed.
	Power switch is in the OFF position.	Place power switch in the ON position.
	The machine is unplugged.	Plug into wall receptacle.
	The blender unit is unplugged.	Plug into cabinet assembly receptacle.
	Ice hopper cover is not properly installed or is damaged (example: magnet fell out).	Install the hopper cover properly. Replace the hopper cover if it is damaged.
	The ice chute is plugged up.	Turn the power switch off. Remove the ice chute and clear the restriction.
	Ice is bridged in the hopper.	Break up the ice in the hopper and refill the hopper.
	Ice is frozen in the hopper, due to not emptying.	Remove the ice every night during Closing Procedures.
	Product Out condition.	Install new product bag. If problem persists, replace the vacuum switch.
	Faulty vacuum switch.	Replace vacuum switch.
	The product CO2 valve is turned off.	Place the CO2 valve in the ON position.
	Clogged product pump.	Perform the product pump cleaning procedures. If problem persists, replace the pump.
	Unit locked out for 7 day cleaning.	Perform 7 day cleaning.
	Pump is frozen up.	Remove pump and thaw out.
	Incorrect CO2 pressure.	Adjust pressure.
	CO2 leak.	Repair leak.
	Faulty pinch valve.	Replace pinch valve.
	Faulty CO2 regulator.	Replace regulator.

PROBLEM	PROBABLE CAUSE	REMEDY
When attempting to dispense a drink, the keys won't work.	No blender pitcher in dispensing area.	Place blender pitcher into dispensing area.
	Machine is not in the “Ready to Dispense” mode.	Press the Menu/Cancel key until the “Ready to Dispense” screen is displayed.
	Ice hopper cover is not properly installed or is damaged (example: magnet fell out).	Install the hopper cover properly. Replace the hopper cover if it is damaged.
	Power switch is in the OFF position.	Place power switch in the ON position.
	Machine is unplugged.	Plug into wall receptacle.
	A fault has occurred.	Check for faults on display screen and repair.
	The user interface board is faulty.	Replace user interface board.
The machine indicates a “product out” condition, but product bag is not empty.	Machine was not reset using the “New Product Bag” program when new product bag was installed.	Follow the proper product bag installation procedures.
	Product bag was not installed properly.	Install product bag properly.
	Faulty vacuum switch.	Replace the vacuum switch.
The dispenser head temperature and/or product cabinet temperature is reading over 41º F for over 4 hours. An alarm is sounding.	Fault is displayed.	Adjust the EPR valve. Evaluate and repair leak. Evaluate and repair thermistor.
	Door is not sealing properly.	Repair door/gasket.
The dispenser head temperature and/or product cabinet temperature is reading over 45º F for over 1 hour. An alarm is sounding.	Fault is displayed.	Adjust the EPR valve. Evaluate and repair leak. Evaluate and repair thermistor.
	Door is not sealing properly.	Repair door/gasket.
The unit is tripping the breaker.	The drain line is not installed under the blender unit.	Install the drain pan under the blender unit.
	A wire is pinched.	Evaluate all connections.
	Faulty electrical components.	Evaluate all components.
	Electrical components have gotten wet.	Evaluate all connections and components.
Unit runs, but does not shave ice.	The ice hopper is empty.	Refill the ice hopper.
	The shaver blade guard has not been removed.	Carefully remove the guard from the shaver blade.
	The shaver blade is damaged.	Carefully replace the shaver blade.

150810

Blender Troubleshooting

Ice Shaver Motor Troubleshooting

1. **Pin Continuity**

   a. Pins 8, 9, and 10 should have continuity.

   b. Pins 8, 9, and 10 should NOT have continuity to pins 1 -7.

   c. No pins should have continuity to ground.

   If any of the continuity tests above fail, replace the motor.

2. **Motor Shaft**

   a. Facing the motor shaft, turn the shaft counter-clockwise. Use caution as the shaver blade is extremely sharp. The shaft should turn smoothly, not drag or make a noise while turning. (Note: This motor requires some force to turn and will cog or step into position.) If the motor does not turn freely, replace the motor.

3. **Power Leads Resistance**

   a. Remove the orange connector from the control board and insert the header into the connector.

   b. Check the resistance between the motor power leads (red, white, and black). This reading should be ~ 11.3 Ω. The acceptable range is 9.8 Ω to 12.3 Ω. If the resistance is outside the acceptable range, replace the motor.

   c. Check resistance between the two gray wires (thermistor). The reading should be ~ 11.3 KΩ at 70 F. The typical range at 70 F is 8.8 KΩ to 13.65 KΩ. If the multimeter reads "OL", the thermistor is broken. If the multimeter displays less than 5 Ω or "0", the thermistor is shorted. If the thermistor is broken or shorted, replace the motor.

   d. Check continuity between the ground (green/yellow) wire and each lead, one at a time. The multimeter should display "OL" for each measurement. If not, there is a dead short in the motor and the motor should be replaced.

Blender Motor Troubleshooting

1. **Pin Continuity**

   a. Pins 1, 2, and 3 should have continuity.

   b. Pins 1, 2, and 3 should NOT have continuity to pins 4 - 10.

   c. No pins should have continuity to ground.

   If any of the continuity tests above fail, replace the motor.

2. **Motor Shaft**

   a. Facing the motor shaft, turn the shaft (using a metal object) counter-clockwise. The shaft should turn smoothly, not drag or make a noise while turning. (Note: This motor turns freely with minimal force and does not cog).

3. **Power Leads Resistance**

   a. Remove the orange connector from the control board and insert the header into the connector.

   b. Check resistance between the motor power leads (red, white, and black). This reading should be ~ 1.3 Ω. The acceptable range is 0.8 Ω to 1.5 Ω. If the resistance is outside the acceptable range, replace the motor.

   c. Check resistance between the two gray wires (thermistor). The reading should be ~ 11.3 KΩ at 70 F. The typical range at 70 F is 8.8 KΩ to 13.65 KΩ. If the multimeter reads "OL", the thermistor is broken. If the multimeter displays less than 5 Ω or "0", the thermistor is shorted. If the thermistor is broken or shorted, replace the motor.

   d. Check continuity between the ground (green/yellow) wire and each lead, one at a time. The multimeter should display "OL" for each measurement. If not, there is a dead short in the motor and the motor should be replaced.

Control Board Troubleshooting

1. Check the supply circuit providing power to the machine for proper voltage (~120 VAC).

2. Turn the machine off, unplug, and wait 10 seconds for the charged capacitors to lose charge. Expose the control board and check these items in the following order:

   a. Make sure all connectors are seated firmly onto their pins. Loose or unseated connectors will cause fault readings.

   b. Check the fuse. Visually, the fuse filament should be continuous and not burnt. Check continuity with the multimeter. The fuse should not read “OL” when measuring ohms.

   c. Plug in and turn on the machine. Locate the green LED (D36) on the control board, which is approximately 1.5” above the lower right corner of the control board. The green LED should be illuminated continuously. If the LED is not illuminated, the board is defective. Replace the control board.

   d. Locate the red LED (D21) on the control board, which is approximately 0.5” above the lower right corner of the control board.

      1. If the LED is flashing 1 second on then 1 second off, the control board operation is normal.

      2. If the LED is flashing 2 pulses per second, the drive detects low voltage on the power bus. If the supply circuit voltage is correct, replace the control board.

      3. If the LED is flashing once every two seconds, the ice hopper lid switch is in the open state. Check that the ice hopper lid is on and the sensor pulls up magnetically. Check that the LID1 connector is firmly attached to the board. Simulate a closed state on the control board by jumping LID1 pins together with a two pin jumper or a patch cord. If the error goes away while jumped, check the lid sensor mechanism. If jumping LID1 does not change the state of the error, replace the control board.

      4. If the LED is flashing 2 times, pauses and repeats, the control board detects a locked blender motor. Check for obstructions in the blender pitcher. Troubleshoot the blender motor.

      5. If the LED is flashing 3 times, pauses and repeats, the control board detects a locked ice shaver motor. Check for obstructions in the ice hopper. Troubleshoot the ice shaver motor.

      6. If the LED is flashing 4 times, pauses and repeats, the control board detects over temperature of the blender motor. This may occur due to high frequency use of the machine. If the blender motor connector is not seated, this error may occur. Troubleshoot the blender motor.

      7. If the LED is flashing 5 times, pauses and repeats, the control board detects over temperature of the ice shaver motor. This may occur due to high frequency use of the machine. If the ice shaver motor connector is not seated, this error may occur. Troubleshoot the ice shaver motor.

      8. If the LED is flashing 6 times, pauses and repeats, the control board detects over temperature of the motor. This may occur due to high frequency use of machine. The control board heat sink is a black section of metal below the left side of the electronics. If the metal is cool while the control indicates over temperature, replace the control board. If the metal is hot, troubleshoot both motors.

      9. If the LED is flashing 7 times, the sensor shows that the blender pitcher is not present. Place the pitcher in the proper position.

      10. If the LED is flashing 8 times, the blender circuit detects an over currrent fault. Field test the motor. If the motor is okay and the fault persists, replace the drive.

141219

11. If the LED is flashing 9 times, the shaver circuit detects an over currrent fault. Field test the motor. If the motor is okay and the fault persists, replace the drive.
12. If the LED is flashing 10 times, the blender motor winding has a short to the motor case. Field test the motor. (Note: The controller will not be damaged by a bad motor.) This reports on the touchscreen as “BLENDER MOTOR LOCK.” Check the software version. It applies to v2.98 USA; 1.30 and later for international.
13. If the LED is flashing 11 times, the shaver motor winding has a short to the motor case. Field test the motor. (Note: The controller will not be damaged by a bad motor.) This reports on the touchscreen as “SHAVER MOTOR LOCK.” Check the software version. It applies to v2.98 USA; 1.30 and later for international.

Touch Screen Troubleshooting

Note: See the Touch Screen Troubleshooting Chart at the end of this section.

Prior to beginning any touch screen troubleshooting, follow the steps below to verify that the UVC Flash Chip and SD Card are compatible versions.

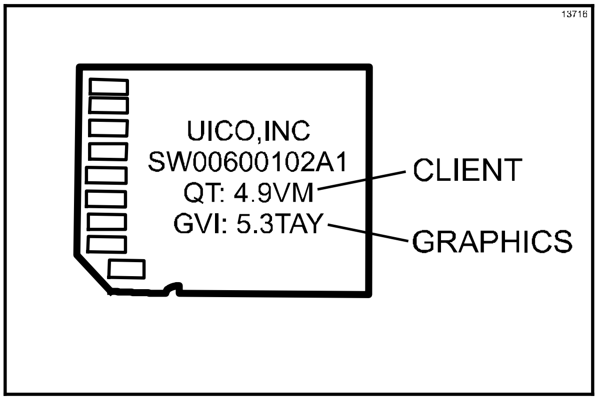


Figure 61

1. Turn the power switch off.
2. Disconnect the power to the unit.
3. Verify the SD card.
    a. Remove the SD card from the unit.
    b. Verify that the card is the latest version.
    c. Re-install the SD card with the version label and gold contacts facing you.

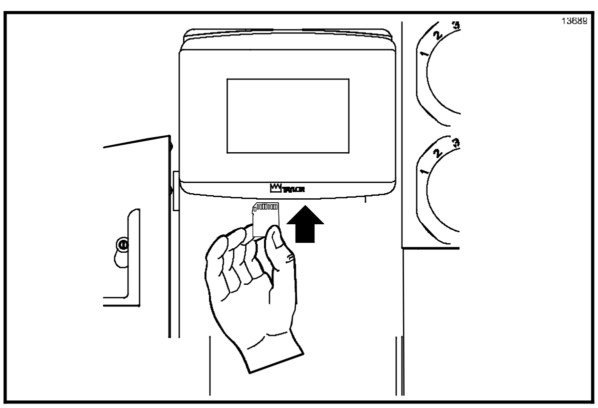


Figure 62

4. Verify the latest version of the flash chip is installed in the UVC3 board.
5. Reconnect the power to the unit.
6. Turn the power switch on. Note: Be sure one full minute has passed since turning the power off before turning the power back on.

If the touch screen shows a black screen:

See troubleshooting chart on page 61.

If the touch screen shows a grey screen without a cursor:

1. Evaluate 066891 and 066892 harnesses and daughter board connections.
2. Verify software compatibility. If correct, replace SD Card.

If the touch screen shows a grey screen with a cursor that moves:

Does the touch screen pass the “S” test? (See the “How to perform the ‘S’ test” Section.)

Yes: Allow the touch screen to continue power-up process.

No: Replace the touch screen.

If the touch screen shows a grey screen with a cursor that DOES NOT move:

Is this the first time this error has occurred?

Yes: Turn power switch OFF. Wait one full minute and turn power switch ON.

No: Replace the touch screen.

160216

How to perform the “S” test:

Start at one of the corners of the touch screen and make an “S” across the entire screen with your index finger. If the cursor jumps or disappears during this test, clean the touch screen and repeat the test. If after cleaning the screen the cursor is still missing or jumps, the touch screen has failed the “S” test.

If the touch screen shows the icon screen and the cursor does not move and the icons do not work:

Is the LED on the UVC3 board blinking?

Yes: Is this the first time this error has occurred?

No: Skip to “5 VDC Troubleshooting” Section.

Yes: Turn power switch OFF. Wait one full minute and turn power switch ON.

No: If the last two digits of the touch screen part number are B3 or less, add a ferrite and make sure the SD card is V4.9. If the last two digits of the touch screen part number are B3E or higher, replace the touch screen. (See “Part Number Verification” Section below for instructions on how to check the part number.)

Part Number Verification:

Remove the touch screen and look at the white label on the back of the touch screen. On the label there is a UICO part number starting with “PN:”. Look at the last two digits of that part number.

If the touch screen shows the icon screen and the cursor moves but the icons do not work:

Is the LED on the UVC3 board blinking?

Yes: Evaluate 066891 and 066892 harnesses and daughter board connections.

No: Skip to “5 VDC Troubleshooting” Section.

5 VDC Troubleshooting:

Is 5 VDC present at UVC3 board?

Yes: Replace UVC3 board

No: Is 5 VDC present at Interface Board?

Yes: Evaluate 5 VDC power supply cable.

No: Is 16 VAC present at the Interface Board terminals A & B?

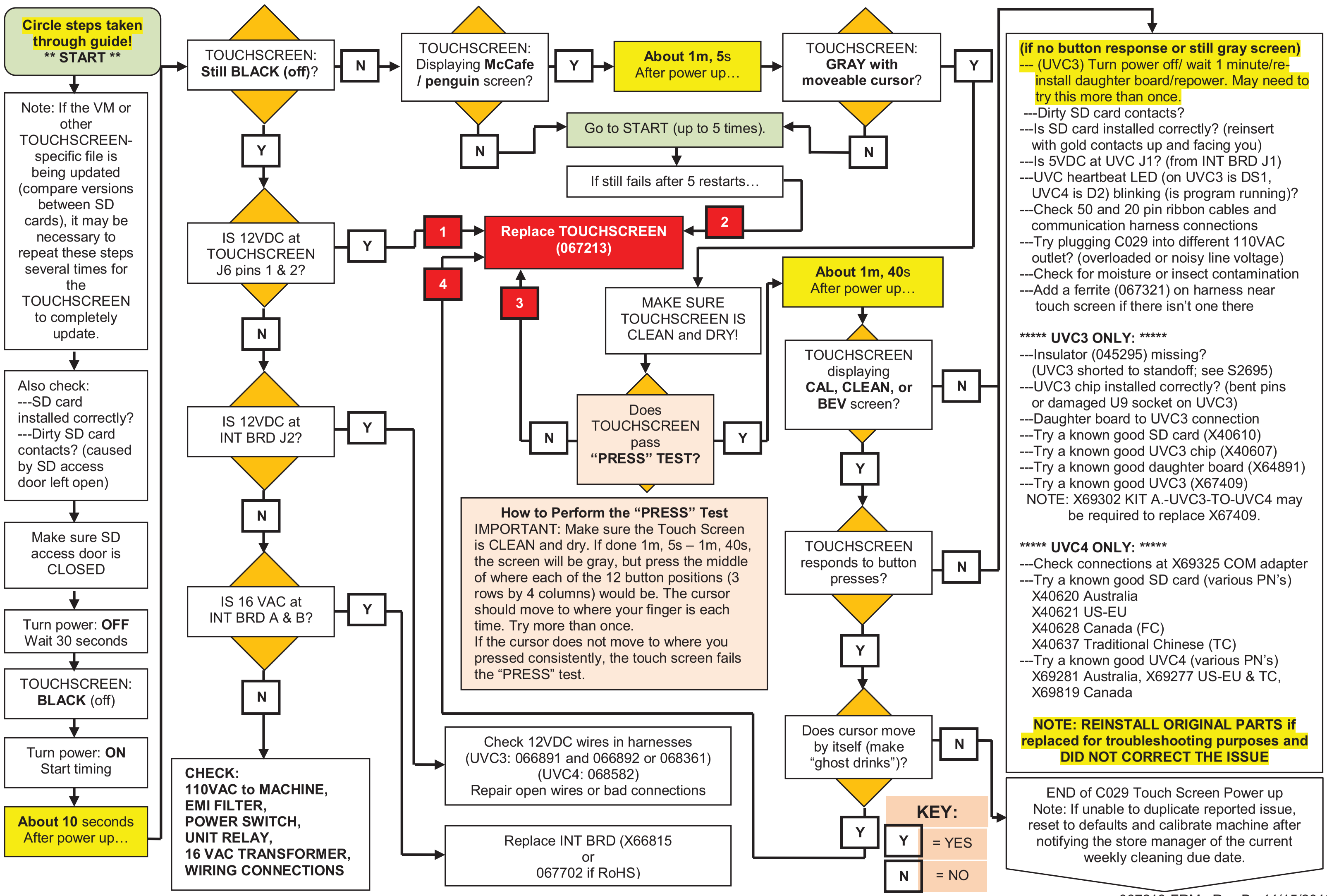
Yes: Replace Interface Board

No: Repair wiring or replace power switch, transformer, EMI filter or unit relay

C029 Touch Screen **Power-Up** Troubleshooting Guide	Technician's Name:	Customer complaint: PLEASE USE BACK OF THIS SHEET

v2	Date: _ _ / _ _ / _ _	C029 Serial Number: _ _ _ _ _ _ _ _ _	C029 UVC OLD Version: _. _ _	C029 UVC NEW Version: _. _ _

The following is found on the white label on the back of the touch screen→	Touch Screen PN: _ _ _ _ _ _ _ _ _ _ _ _ _	Touch Screen SN: _ _ _ _ _ _ _ _ _ _ _ _



067213-FRM Rev B 11/15/2012

130116

Note: Logic Level = approximately 5 volts (high logic level) or ground (low logic level).

PIN	DIRECTION	SIGNAL TYPE	SIGNAL FUNCTION
J1 pin			
1	Out to UVC3 (X67409 CONTROL PCB A.)	5VDC supply	Supplies 5VDC to UVC3 J1 pin 1
2	Out to UVC3 (X67409 CONTROL PCB A.)	GND	GND to UVC3 J1 pin 2
J2 pin			
1	Out to Touch Screen	12VDC supply	Supplies 12VDC to Touch Screen J6 pin 1
2	Out to Touch Screen	GND	GND to Touch Screen J6 pin 2
J3 pin			
1	In from 24VDC Power Supply	24VDC supply	Supplies 24VDC to Syrup Solenoid Circuits
2	In from 24VDC Power Supply	24VDC GND	Supplies GND to Syrup Solenoid Circuits
J4 pin			
1	GND		
2	In from Syrup 8 out switch	~11VDC or GND	Detects syrup when GND
3	GND		
4	In from Rinser switch	~11VDC or GND	Rinser switch closed when GND
5	GND		
6	In from water pressure switch	~11VDC or GND	Water pressure OK when GND
7	GND		
8	In from C02 pressure switch	~11VDC or GND	C02 pressure OK when GND
J5 pin			
1	GND		
2	In from Syrup 5 out switch	~11VDC or GND	Detects syrup when GND
3	GND		
4	In from Syrup 6 out switch	~11VDC or GND	Detects syrup when GND
5	GND		
6	In from Syrup 7 out switch	~11VDC or GND	Detects syrup when GND
J6 pin			
1	GND		
2	In from Syrup 1 out switch	~11VDC or GND	Detects syrup when GND
3	GND		
4	In from Syrup 2 out switch	~11VDC or GND	Detects syrup when GND

PIN	DIRECTION	SIGNAL TYPE	SIGNAL FUNCTION
5	GND		
6	In from Syrup 3 out switch	~11VDC or GND	Detects syrup when GND
7	GND		
8	In from Syrup 4 out switch	~11VDC or GND	Detects syrup when GND
J8 pin			
1			(not used)
2			(not used)
3			(not used)
4			(not used)
J9 pin			
(J9 is not installed)			
J10 pin			
2	Out to UVC	Logic Level	Power Fail signal
4	In from UVC	Digital pulses	Used to select which switch input the UVC is checking
6	In from UVC	Logic Level	Control signal for HV output at J11-4 (Drink Water Solenoid)
8	In from UVC	Digital pulses	Used to select which switch input the UVC is checking
10	In from UVC	Digital pulses	Used to select which switch input the UVC is checking
12	In from UVC	Digital pulses	Used to select which switch input the UVC is checking
14	In from UVC	Logic Level	Control signal for 24V switched GND at J15-1 (Syrup 1 Pinch Valve)
16	In from UVC	Logic Level	Control signal for 24V switched GND at J15-2 (Syrup 2 Pinch Valve)
18	In from UVC	Logic Level	Control signal for 24V switched GND at J15-3 (Syrup 3 Pinch Valve)
20	In from UVC	Logic Level	Control signal for 24V switched GND at J15-4 (Syrup 4 Pinch Valve)
22	In from UVC	Logic Level	Control signal for 24V switched GND at J15-5 (Syrup 5 Pinch Valve)
24	In from UVC	Logic Level	Control signal for 24V switched GND at J15-6 (Syrup 6 Pinch Valve)
26	In from UVC	Logic Level	Control signal for 24V switched GND at J15-7 (Syrup 7 Pinch Valve)
28	Out to UVC	Digital pulses	MUX'd digital switch input to UVC
30	In from J8-2		(not used)
32	In from J8-4		(not used)
34	Not Used		
36	In from UVC	Logic Level	Control signal for HV output at J11-3 (Cabinet Fans)
38	In from UVC	Logic Level	Control signal for HV output at J11-2 (Rinse Water Solenoid)

PIN	DIRECTION	SIGNAL TYPE	SIGNAL FUNCTION
40	In from UVC	Logic Level	Control signal for HV output at J11-1 (Island Oasis Power Supply)
42	In from UVC	Logic Level	Control signal for HV output at J11-8 (Compressor Relay)
44	In from UVC	Logic Level	Control signal for HV output at J11-7 (Hot Gas Solenoid)
46	In from UVC	Logic Level	Control signal for HV output at J11-6 (Liquid Line Solenoid)
48	In from UVC	Logic Level	Control signal for HV output at J11-5 (Pump Gas Solenoid)
50	In from UVC	Logic Level	Control signal for 24V switched GND at J15-8 (Syrup 8 Pinch Valve)
(J10 odd-numbered pins not connected)			
J11 pin			
1	Out to HV component	Switched 115VAC	Supplies line voltage to Island Oasis unit
2	Out to HV component	Switched 115VAC	Supplies line voltage to rinse water solenoid
3	Out to HV component	Switched 115VAC	Supplies line voltage to cabinet fans
4	Out to HV component	Switched 115VAC	Supplies line voltage to drink water solenoid
5	Out to HV component	Switched 115VAC	Supplies line voltage to pump gas solenoid
6	Out to HV component	Switched 115VAC	Supplies line voltage to liquid line
7	Out to HV component	Switched 115VAC	Supplies line voltage to hot gas solenoid
8	Out to HV component	Switched 115VAC	Supplies line voltage to compressor relay
J12 pin			
all pins	In from L2 spade terminal	~115VAC (neutral)	Supplies line voltage to machine components
J15 pin			
1	Out to 24VDC component	Switched 24VDC GND	Supplies (switched) 24VDC GND to Syrup 1 pinch valve
2	Out to 24VDC component	Switched 24VDC GND	Supplies (switched) 24VDC GND to Syrup 2 pinch valve
3	Out to 24VDC component	Switched 24VDC GND	Supplies (switched) 24VDC GND to Syrup 3 pinch valve
4	Out to 24VDC component	Switched 24VDC GND	Supplies (switched) 24VDC GND to Syrup 4 pinch valve
5	Out to 24VDC component	Switched 24VDC GND	Supplies (switched) 24VDC GND to Syrup 5 pinch valve
6	Out to 24VDC component	Switched 24VDC GND	Supplies (switched) 24VDC GND to Syrup 6 pinch valve
7	Out to 24VDC component	Switched 24VDC GND	Supplies (switched) 24VDC GND to Syrup 7 pinch valve
8	Out to 24VDC component	Switched 24VDC GND	Supplies (switched) 24VDC GND to Syrup 8 pinch valve
9			(not used)
10			(not used)
J16 pin			
pins 1-8	In from J3-2	~24VDC	Supplies +24VDC to machine components

PIN	DIRECTION	SIGNAL TYPE	SIGNAL FUNCTION
J17 pin			
1	GND		
2	In from cabinet thermister	Analog DC	Analog DC inversely proportional to temperature
3	GND		
4	In from dispense head thermister	Analog DC	Analog DC inversely proportional to temperature
5			(not used)
6			(not used)
J18 pin			
2	In from UVC J2	~5VDC or GND	Resets Touch Screen when 5VDC through RESET wire connected to X66815
4			(not used)
6			(not used)
8			(not used)
10			(not used)
12			(not used)
14	Out to UVC	Analog DC	Cabinet thermister
16	Out to UVC	Analog DC	Dispense head thermister
18			(not used)
20			(not used)
J19 pin			
(J19 is not installed)			
W1 pin			
2	Out to UVC	Logic Level	Allow clock change when not "unit cleaned."
4	Out to UVC	Logic Level	Clear lockout
6			(not used)
8			(not used)
10	Out to UVC	Logic Level	Enable display of temperatures and time/date in beverage select screen
.25" Spade			
A	In from 16VAC transformer	~16VAC	Supplies AC voltage for board power supplies
B	In from 16VAC transformer	~16VAC	Supplies AC voltage for board power supplies
L1	In from fuse	~115VAC	Supplies line voltage to machine components
L2	In from power block (neutral)	~115VAC (neutral)	Supplies line voltage to machine components

Section 4: Parts

- Warranty Explanation
- Exploded Views
- Parts List
- Wiring Diagram

Warranty Explanation

The C029 has a parts and labor warranty of three years, excluding wear items.

Warranty is valid only if the parts are authorized Taylor parts, purchased from an authorized Taylor Distributor, and the required service work is provided by an authorized Taylor service technician.

Taylor reserves the right to deny warranty claims on equipment or parts if non-approved parts or refrigerant were installed in the machine, system modifications were performed beyond factory recommendations, or it is determined that the failure was caused by neglect or abuse.

Notes:

Model C029 Main Exploded View

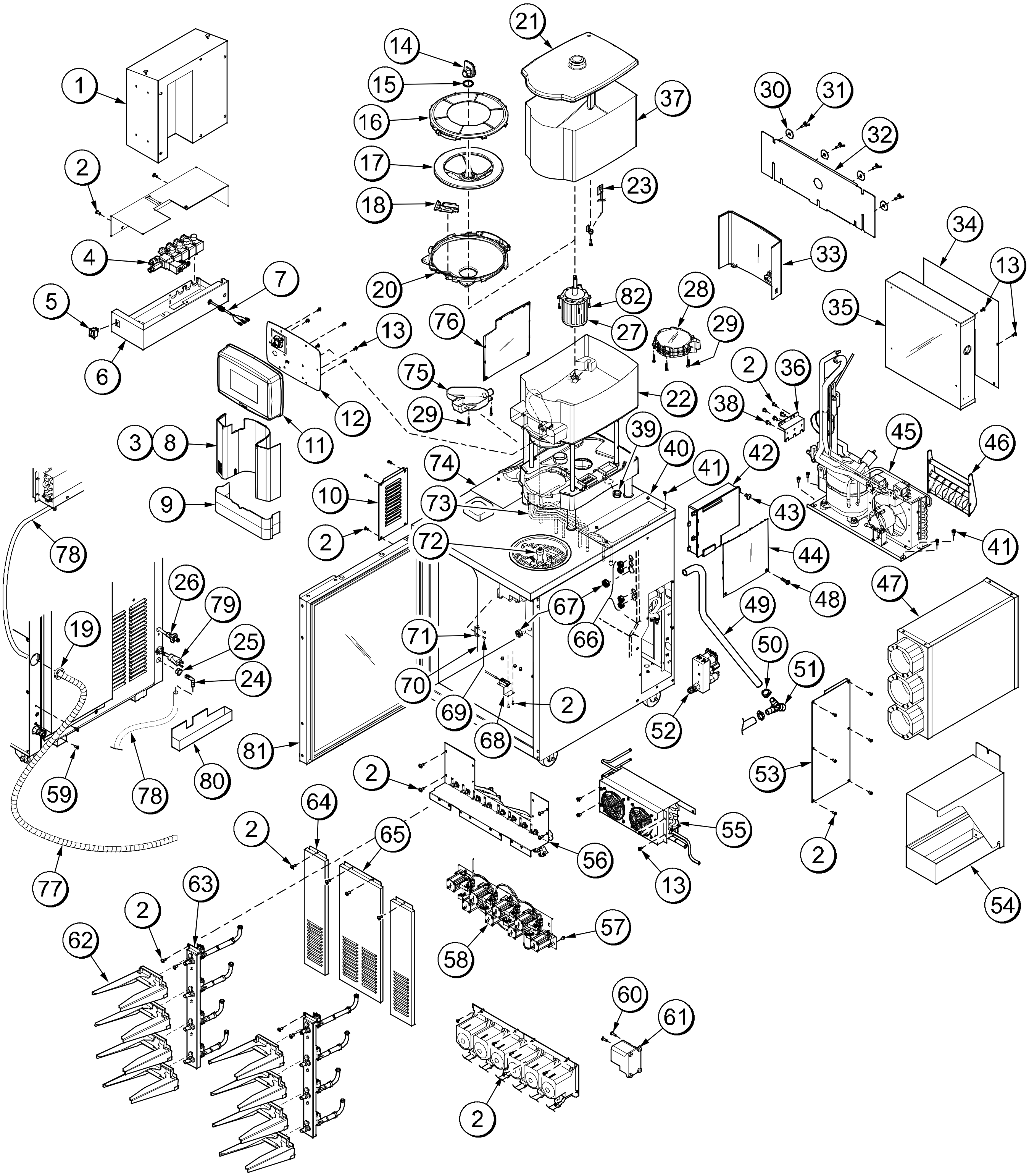


Figure 63

Model C029 Main Exploded View Parts Identification

ITEM	DESCRIPTION	PART NO.
1	STAND A.-BASKET	X66259
2	SCREW-10-32X1/2 SLTD	037734
3	CUP-SENSOR	065194-33
4	MANIFOLD-C02 (SEE PG 83)	066271-12
5	SWITCH-ROCKER DPST	067961
6	BOX A.-MANIFOLD *DPST	X68265
7	CORD A.-POWER-125V	065194-42
8	PANEL-FRONT-NOTCHED-TM	081858
9	SKIRT-UNIT	065194-10
10	PANEL-ACCESS*LEFT	066351
11	CONTROL-TOUCHSCREEN	X67213-SER
12	PLATE A.-DEC (SEE PG 86)	X67485
13	SCREW-10X3/8 SLOTTED HEX	015582
14	NUT-SCRAMBLER	081579
15	O-RING-1 OD X .103W	048148
16	COVER-CONE*ISLAND OASIS	065194-49
17	WING-PLASTIC ROTARY-IO	081576
18	KIT-BLADE-CARTDRIGE	069087
19	BUSHING-SNAP 1-3/8 X 1-3/4	027712
20	CONE-PLASTIC	065194-48
21	COVER A.-HOPPER-LARGE	065194-2B
22	DRAIN-MAIN W/O SAFETY SWITCH	065194-56
23	KIT A.-ICE-BIN-SENSOR	X80552
24	ELBOW-3/8X3/8 BARB	048678
25	BUSHING-SNAP 5/8ID X 3/4	017462
26	INSERT-CPC-3/8ODX1/4ID	065957
27	KIT A.-MOTOR SHAVER	X6519416SV
28	KIT A.-MOTOR BLENDER	X6519415SV
29	SCREW-6-32 X 1/2 HEX HEAD	065194-50
30	WASHER-5/16 USS FLAT CR3	000651
31	SCREW-WING-1/4-20 X 3/4	066275
32	PLATE-SUPPORT *REAR	069279
33	PANEL-SIDE-REAR	065194-25
34	COVER-CONTROL	065086
35	CONTROL A. (SEE PG 78)	X66822-12
36	BRACKET A.-ACCESS VALVE	X65421
37	HOPPER A.-ICE-LARGE	065194-2A
38	SCREW-1/4-20X1/2 HEX HEAD	048083
39	BUSHING-SNAP 1 ID X 1-1/4	600288
40	GASKET-RINSER RACK	065008

ITEM	DESCRIPTION	PART NO.
41	SCREW-10-32X1/2 SERRATED	020982
42	KIT A.-BOARD-CIRCUIT*DRIVE	X6519414SV
43	SCREW-10-32X3/8 PHIL TRUS	038871
44	PANEL-SIDE-RIGHT	083568
45	CONDENSER A.-COMPRESSR (SEE PG 80)	X66121-12S
46	DEFLECTOR-EXHAUST	068335-3
47	DISPENSER A.-CUP (SEE PG 87)	X66687
48	SCREW-6-32 X 1/2 TRUSS HD	065194-51
49	TUBE-VINYL 3/4ID X 1"OD	R30336
50	CLAMP-HOSE-SNAPIT-61/64	066740
51	FITTING-Y-3/4BARBX1 BARB	067811
52	VALVE-INLET*H2O-1IN 2OUT (SEE PG 84)	067805-12
53	PANEL-ACCESS*RIGHT	066352
54	STAND A.-PITCHER	X67390
55	EVAPORATOR A. (SEE PG 82)	X68061-12
56	BRACKET A.-TRAY (SEE PG 88)	X66840
57	SCREW-10-32X3/8 SERRATED	075985
58	PLATE A.-VALVE *PINCH (SEE PG 91)	X68100
59	SCREW-10-32X1/2 SLTD TRUS	037734
60	SCREW-10-32X3/4 SLTD TRUS	033944
61	PUMP-BIB-GAS-CONDIM	067605
62	SHELF A.-SUPPORT-BIN	X67076
63	BRACKET A.-FITMENT (SEE PG 92)	X66890
64	COVER-PUMP *SIDE	066865
65	COVER-PUMP *CENTER	066864
66	PLUG-HOLE-7/8-UNIVERSAL	049942
67	BUSHING-SNAP-13/16ID	066874
68	SENSOR A.-RINSE (SEE PG 90)	X66383
69	SCREW-6X1/2 TYPE A-SS	022427
70	KIT A.-PROBE-THERMISTOR	X82397-SER
71	BRACKET-PROBE-THERMIST	033745
72	NOZZLE-SPRAY-RINSE	066814
73	TUBE A.-MIX *FLAVOR	X67449
74	GASKET-BOX *MANIFOLD	066249
75	KIT A.-PAN-DRAIN	X6519417SV
76	PANEL-SIDE-LEFT	065194-23

160210

Model C029 Main Exploded View Parts Identification *(Continued)*

ITEM	DESCRIPTION	PART NO.
77	HOSE-CORRUGATED-1 X 96	066756-96
78	TUBE-VINYL 3/8 ID X 9/16 OD	R30315
79	CORD-POWER-125V-NEMA	066893
80	PAN-DRIP *VALVE-EXP-REAR	067495
81	DOOR A.-CART	X66292
82	SCREW-1/4-20X3/4 SOC HD	083782

Notes:

Model C029 Operator Parts

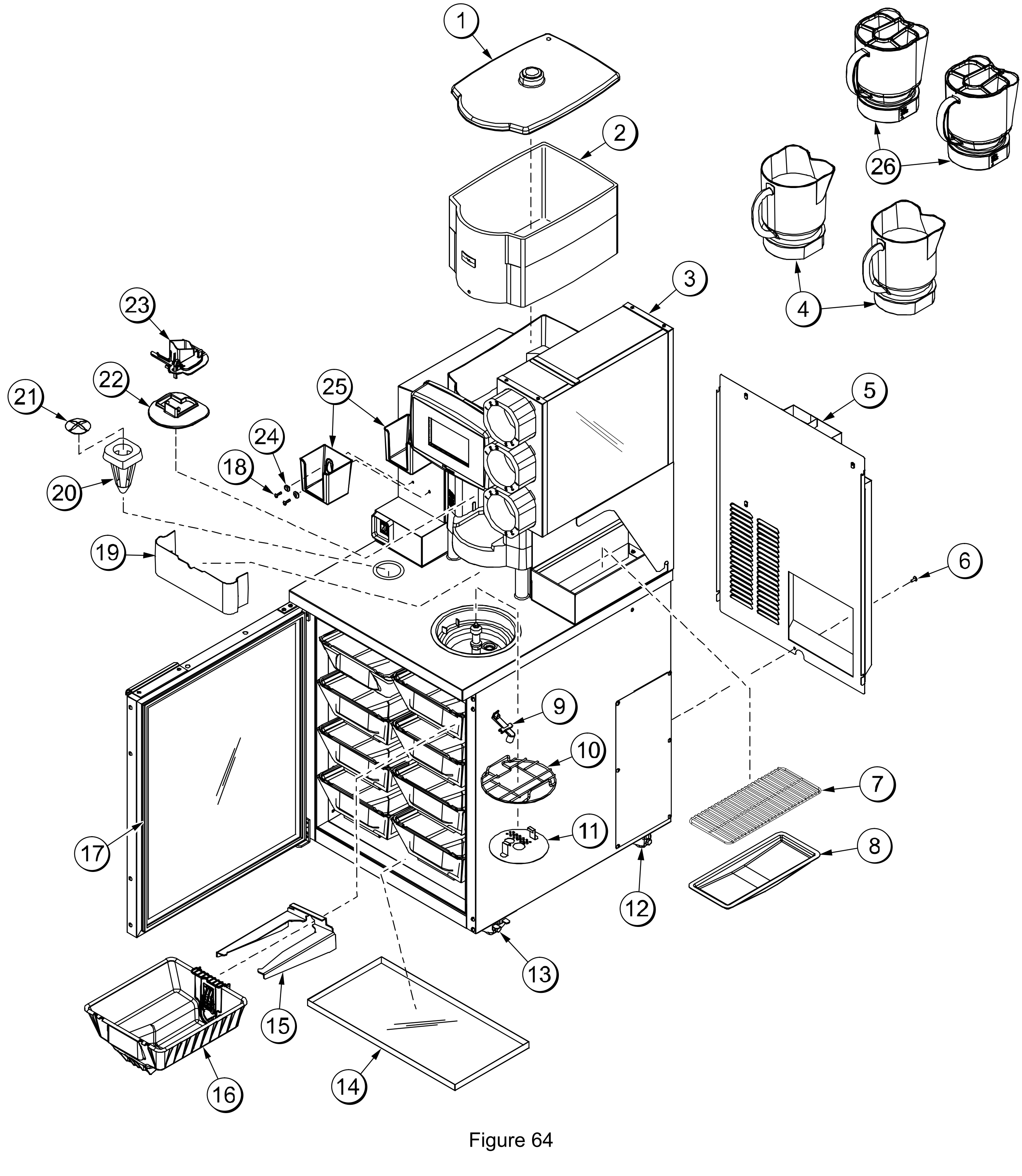


Figure 64

Model C029 Operator Parts Identification

ITEM	DESCRIPTION	PART NO.
1	COVER A.-HOPPER-LARGE	065194-2B
2	HOPPER A.-ICE-LARGE	065194-2A
*	LABEL-BIN *ICE-FILL	067920
3	DISPENSER A.-CUP	X66687
4	PITCHER-BLENDER-2 BLADE	083354
5	PANEL A.-CART-REAR	X68329
6	SCREW-10-32X1/2 SLTD TRUS	037734
7	GRATE-STAND-PITCHER	064995
8	PAN-DRIP-RACK RINSER	066511
9	ACTUATOR A.-RINSER	X66755
10	GRATE-BOWL-RINSE	064997
11	STRAINER A.-SINK	X66311
12	CASTER-2" RIGID DUAL W/BRAKE	081676
13	CASTER-2" SWV DUAL W/BRAKE	081675

ITEM	DESCRIPTION	PART NO.
14	PAN-CART BOTTOM	067488
15	SHELF A.-SUPPORT-BIN	X67076
16	BIN A.-MIX	X67726
17	GASKET-DOOR-CART	064950-2
18	SCREW-10-32X3/4 SLTD TRUS	033944
19	SKIRT-UNIT	065194-10
20	HOLDER-CAN*WHIP CREAM	067691
21	COVER-WHIPPED CREAM HOLDER	067744
22	GUARD-SPLASH-SHAVER-ICE	065194-8
23	CHUTE-SHAVER-ICE	065194-7
24	COLLAR-HOLDING	053053
25	HOLDER-LID	067947
**26	PITCHER A.-GUARD	083354-G

*NOT SHOWN
**USED ON C029-27 & -40 INTERNATIONAL UNITS

150903

Control A. - X66822-12 (UVC4 Field Updated)

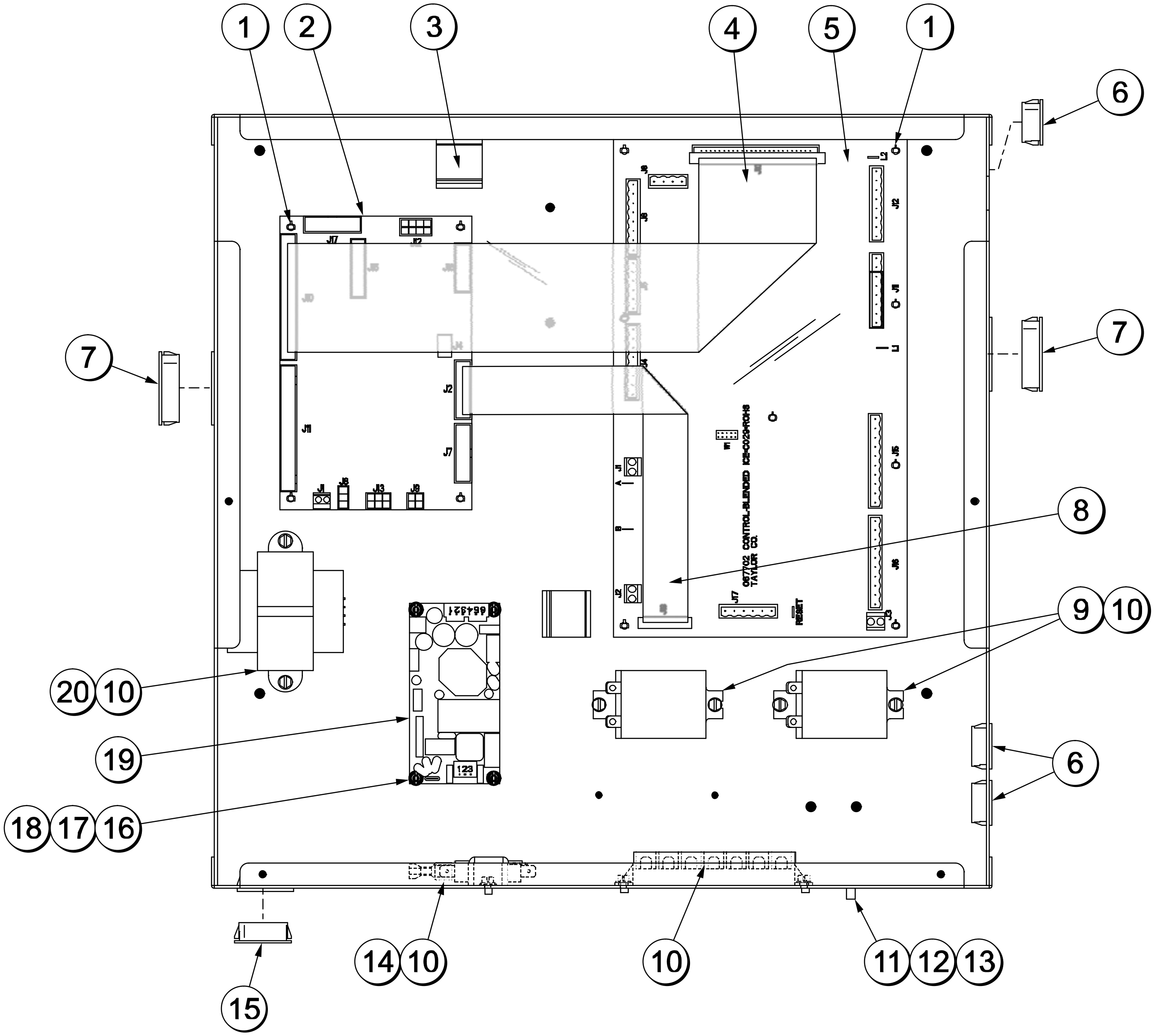


Figure 65

Control A. - X66822-12 (UVC4 Field Updated) Parts Identification

ITEM	DESCRIPTION	PART NO.
1	STANDOFF-NYLON-SNAP-7/16	068259
2	PCB A.-CONTROL *UVC4	X69277-SER
3	CLAMP-CABLE-FLAT RIBBON	046367
4	CABLE-RIBBON-50C-20"L-DIL	040040-011
5	CONTROL-BLENDED ICE*ROH	067702-SER
6	BUSHING-SNAP 11/16 ID X 7/8	010548
7	BUSHING-SNAP 1-5/16ID	017008
8	CABLE-RIBBON-20C-14"L-DIL	040040-040
9	RELAY-SPST-30 A-120 V	032607-12
10	SCREW-8X1/4 SLTD HEX	009894
11	NUT-10-32 WHIZ FLANGE LOC	020983

ITEM	DESCRIPTION	PART NO.
12	WASHER-#10 EXT TOOTH LOC	002681
13	SCREW-10-32X1/2 SERRATED	020982
14	FILTER-CORCOM 6EH1	040140-001
15	BUSHING-SNAP 15/16 ID	023396
16	NUT-6-32 KEPS NUT 18-8 SS	054431
17	STANDOFF-SS-6-32 X 1/2 L M/F	067421
18	SCREW-6-32X3/8 SLTD HWH	042022
19	SUPPLY-POWER 60W 24VDC	068876
20	TRANS.-CONT.-32VA 120/200	054834
*	HARNESS-WIRE*HV2-8 FLAV	068950
*	HARNESS-CONTROL BX HV1	080118

*NOT SHOWN

150220

Control A. - X66822-12 (UVC3) S/N M1044360 & Prior

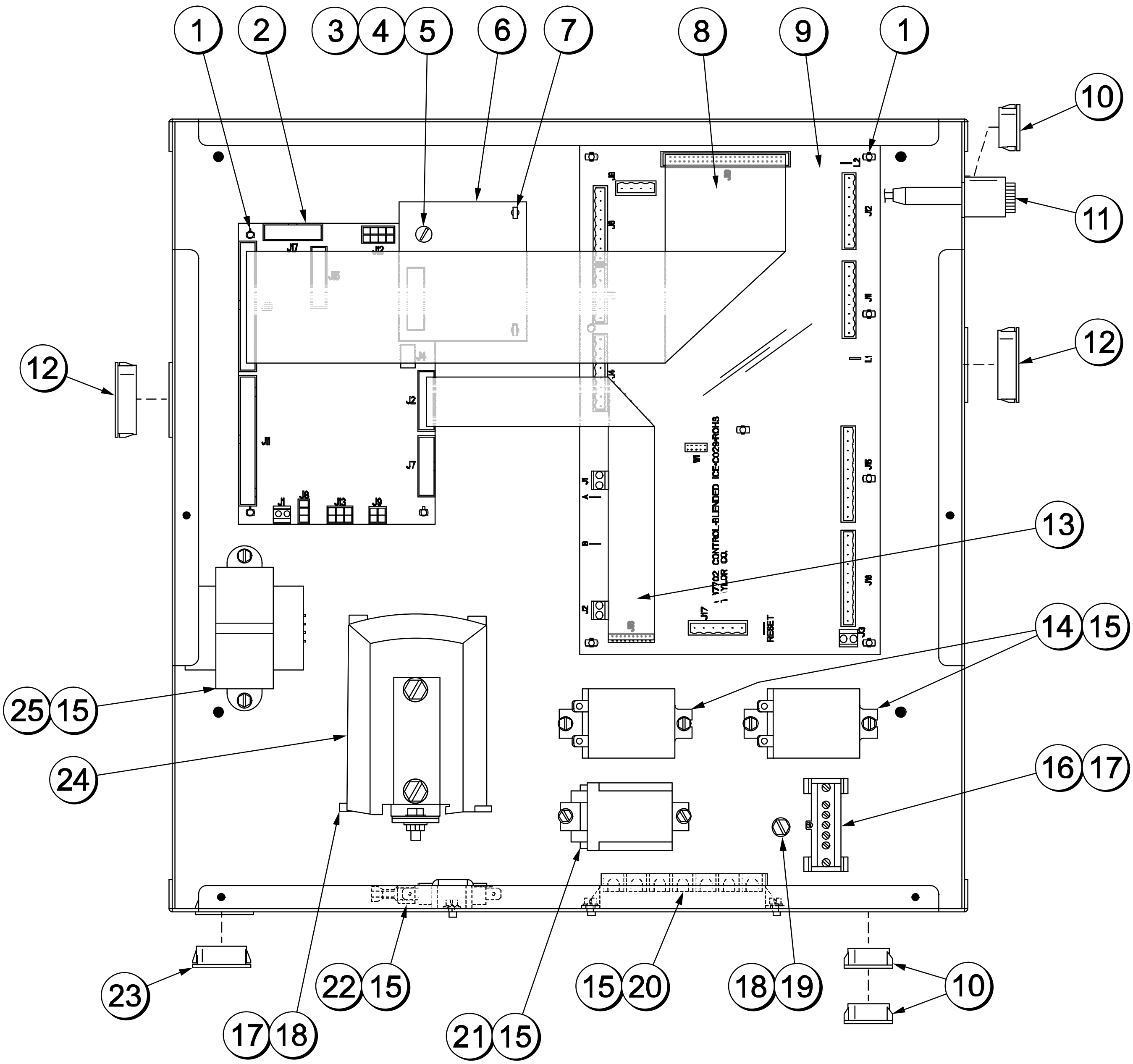


Figure 66

Control A. - X66822-12 (UVC3) Parts Identification - S/N M1044360 & Prior

ITEM	DESCRIPTION	PART NO.
1	STANDOFF-NYLON-SNAP-7/16	068259
2	PCB A.-CONTROL	SEE NOTE
3	NUT-6-32 KEPS NUT 18-8 SS	054431
4	SCREW-6-32X7/8 SLTD	007017
5	STANDOFF-SS-6-32 X 1/2 L	067421
6	CONTROL-SER DTR BRD	068961-17S
7	STANDOFF-NYLON-SNAP-1L	065496
8	CABLE-RIBBON-50C-20"L-DIL	040040-011
9	CONTROL-BLENDED ICE	067702-SER
10	BUSHING-SNAP 11/16 ID X 7	010548
11	FUSE-15 AMP-IN LINE-NON D	045293
12	BUSHING-SNAP 1-5/16ID X 1	017008
13	CABLE-RIBBON-20C-14"L-DIL	040040-040
14	RELAY-SPST-30 A-120 V	032607-12
	RELAY-SPST-30 A-240 V	032607-27

ITEM	DESCRIPTION	PART NO.
15	SCREW-8X1/4 SLTD HEX	009894
16	BLOCK-TERMINAL 7P GREEN	024156
17	SCREW-8X1/2 SLTD HEX	075763
18	NUT-10-32 FLANGE LOCK	020983
19	SCREW-10-32X1/2 SERRATED	020982
20	BLOCK-TERMINAL 7P 20A, 30	022606
21	RELAY-DPDT-20A	026581-12
22	FILTER-CORCOM 6EH1	040140-001
23	BUSHING-SNAP 15/16 ID X 1	023396
24	SUPPLY-POWER 60W 24VDC	068876
	SUPPLY-POWER 60W 24DC	059313-12
25	TRANS.-CONT.-32VA 120/200	054834

NOTE: ORIGINAL UVC3 PCB CONTROL X67409-SER USED PRIOR TO S/N M1044360 IS NO LONGER AVAILABLE.

UNITS S/N M1044360 & PRIOR USE X69302 KIT A.-UVC3-TO-UVC4.

UNITS S/N M1044361 & UP USE X69277-SER PCB A.-CONTROL *C029* UVC4.

150220

Condenser A.-Compressor - X66121-12S

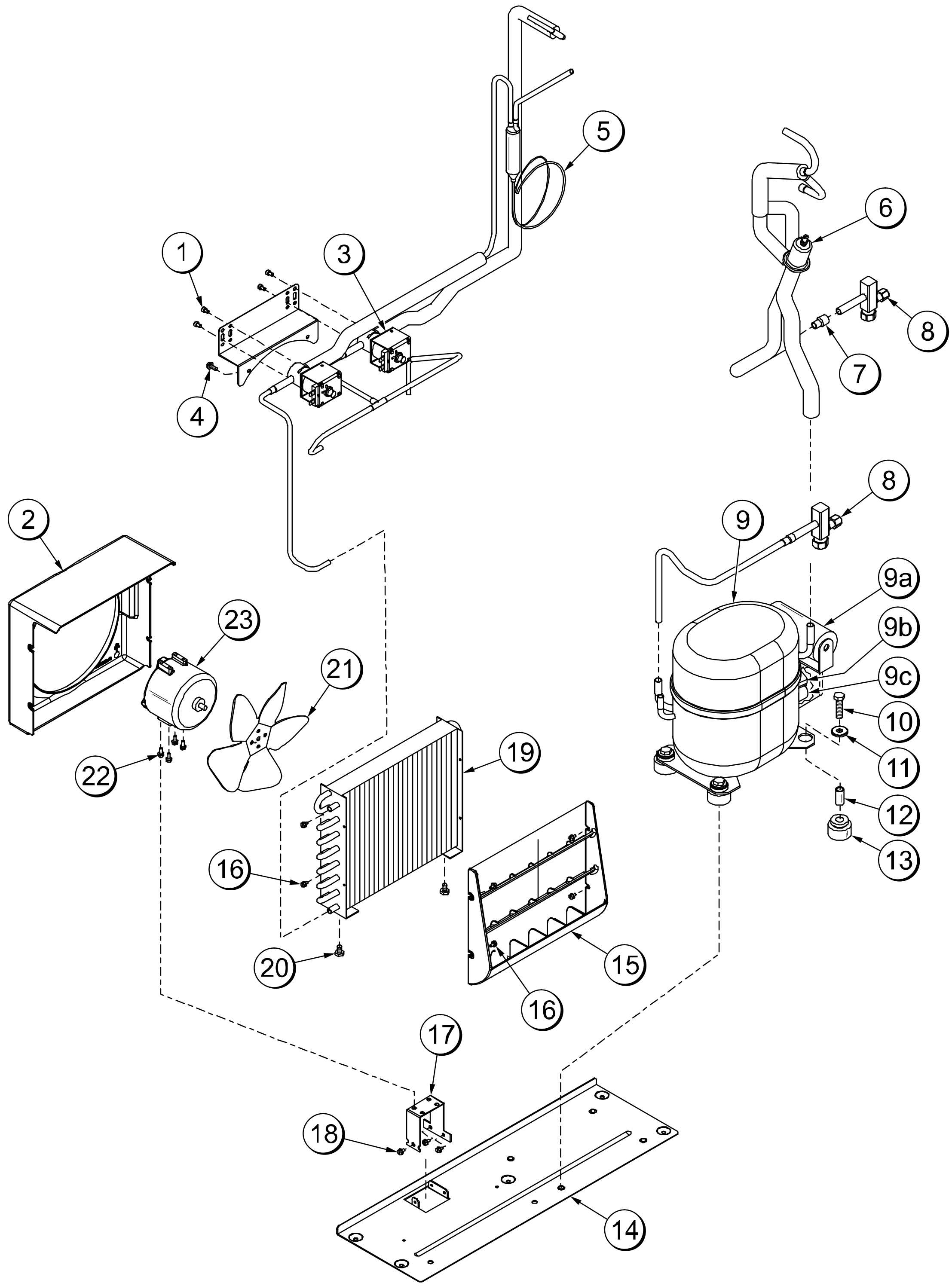


Figure 67

Condenser A.-Compressor - X66121-12S Parts Identification

ITEM	DESCRIPTION	PART NO.
1	SCREW-8-32X1/4 SOCKET HD	012321
2	SHROUD-CONDENSER	068333-3
3	VALVE-SOLENOID 7/64ORF	043449-12
4	SCREW-10X7/16 UNSL TD HWH	066234
5	DRYER-TWO CAP.TUBES	049346
6	VALVE-EPR 1/4S	022665
7	COUPLING-3/8FS X 1/4FS	031791
8	VALVE-ACCESS-1/4MFL X 3/8	053565
9	COMPRESSOR AEA9415ZXA-AE570A	063041-12
9a	CAPACITOR-START-COMPRES	063041-2
9b	RELAY-START-COMPRESSOR	063041-1
9c	OVERLOAD-TI #MRT22AHK-69	063041-3
10	SCREW-5/16-18X1-1/4 HEX HD	012141

ITEM	DESCRIPTION	PART NO.
11	WASHER-5/16 USS FLAT CR3	000651
12	SLEEVE-MOUNTING-COMP-AE	039920
13	GROMMET-COMPRESSOR MT	039919
14	BRACKET A.-COMPRESSOR	X66116
15	DEFLECTOR-EXHAUST	068335-3
16	SCREW-6X3/8 SLTD HEX WASH	001825
17	BRACKET-MOTOR	066114
18	SCREW-8X1/4 SLTD HEX WASH	009894
19	CONDENSER-AC 9X8 -2 ROW	029797
20	SCREW-1/4-20X3/8 HEX HEAD	071837
21	FAN-5 BLADE 7 " PUSH 30DEG	016289
22	SCREW-8-36X3/8 SLTD HEX	046137
23	MOTOR-FAN 9 WATT	012768-12

150729

Evaporator A. - X68061-12

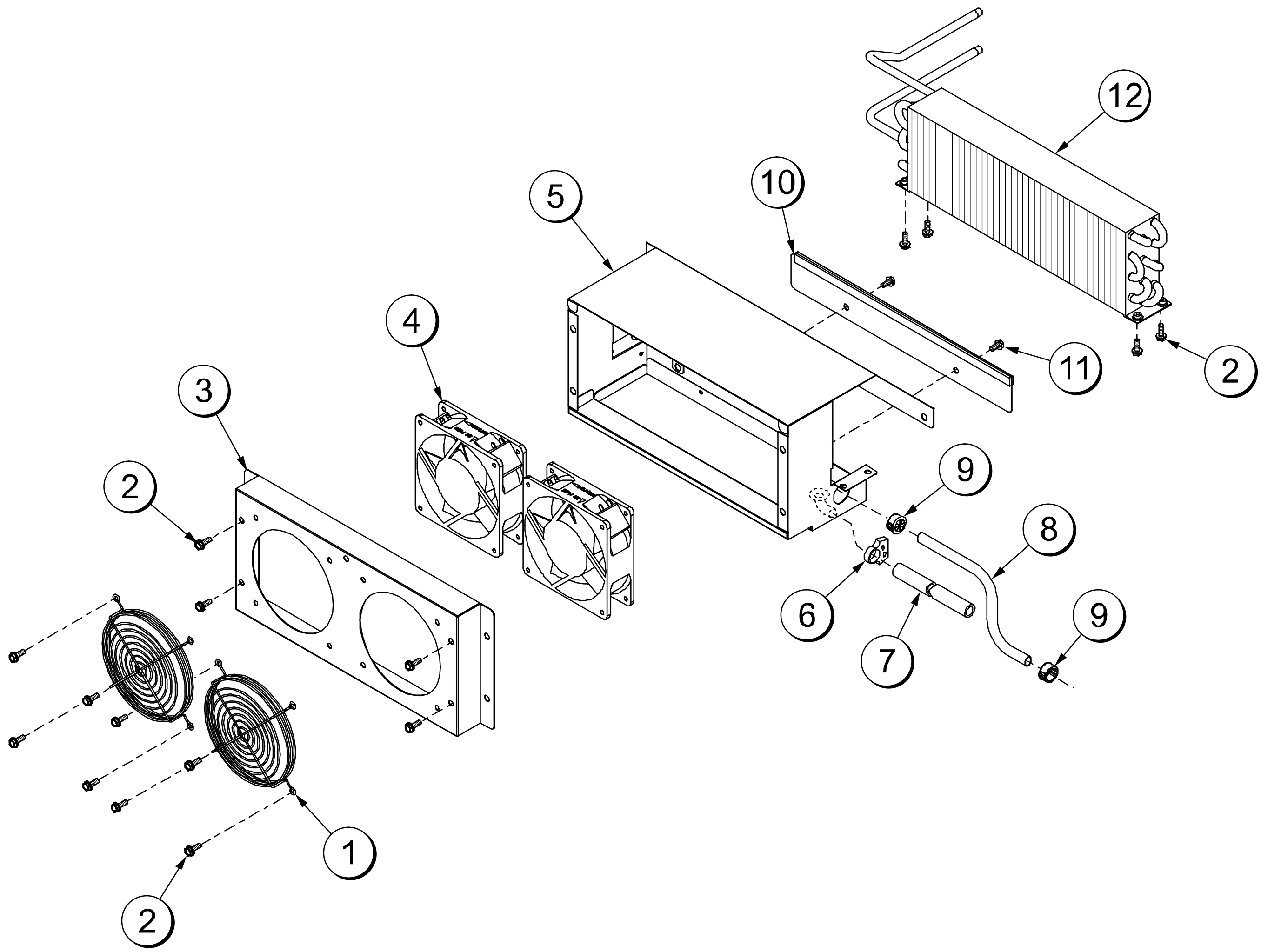


Figure 68

ITEM	DESCRIPTION	PART NO.
1	GUARD-FAN	028534-1
2	SCREW-10-32X1/2 UNSL HWH	049877
3	BRACKET-EVAPORATOR	066321
4	MOTOR-FAN 95.3 CFM 2700	062253-12
5	BRACKET A.-EVAPORATOR	X68062
6	CLAMP-HOSE-SNAP IT-17/32	052021
7	TUBE-VINYL 3/8 ID X 9/16 OD	R30315

ITEM	DESCRIPTION	PART NO.
8	SLEEVE-WIRE .294 ID	R40301
9	PLUG-HOLE 7/8	049942
10	COVER-EVAPORATOR	068065
11	SCREW-10X3/8 SLOTTED HEX	015582
12	EVAP-12L X 4H X 1-7/8T	065141

Manifold-CO2 Complete - 066271-12

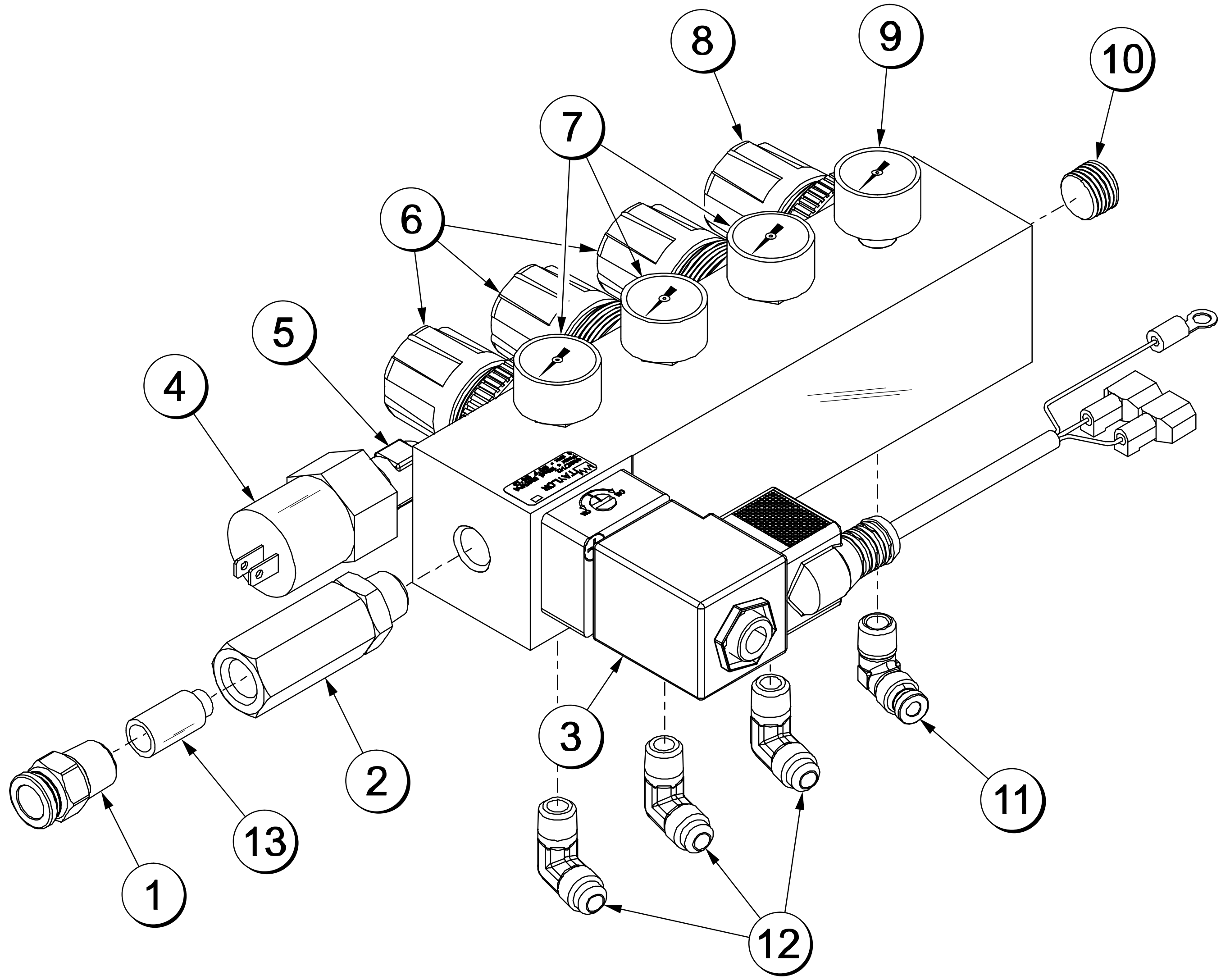


Figure 69

ITEM	DESCRIPTION	PART NO.
1	FITTING-3/8 X 1/4MPT	066271-6
2	FILTER-INLINE 1/4 NPT	066271-17
3	VALVE-DUMP 9-4300-55775-1-00 (-12)	066271-13
	VALVE-DUMP-230V 60HA 1 PHASE (-27)	066271-28
	VALVE-DUMP-240V 50HZ 1 PHASE (-40)	066271-18
4	SWITCH-PRESSURE	066271-10
5	ELBOW-1/4 NPT	066271-7

ITEM	DESCRIPTION	PART NO.
6	REGULATOR-CO2 0-60 PSI	066271-11
7	GAUGE-PRESSURE 0-60 PSI	066271-14
8	REGULATOR-CO2 0-100 PSI	066271-15
9	GAUGE-PRESSURE 0-100 PSI	066271-5
10	PLUG-1/4 NPT-PARKER:	066271-4
11	ELBOW-5/32X1/4NPT	066271-9
12	ELBOW-1/4 MFL X1/8MPT	066271-8
13	ELEMENT-FILTER*90 MICRON	066271-17R

150903

Valve-Inlet-H20 - 067805-12 (Serial Number M0017282 & Up)

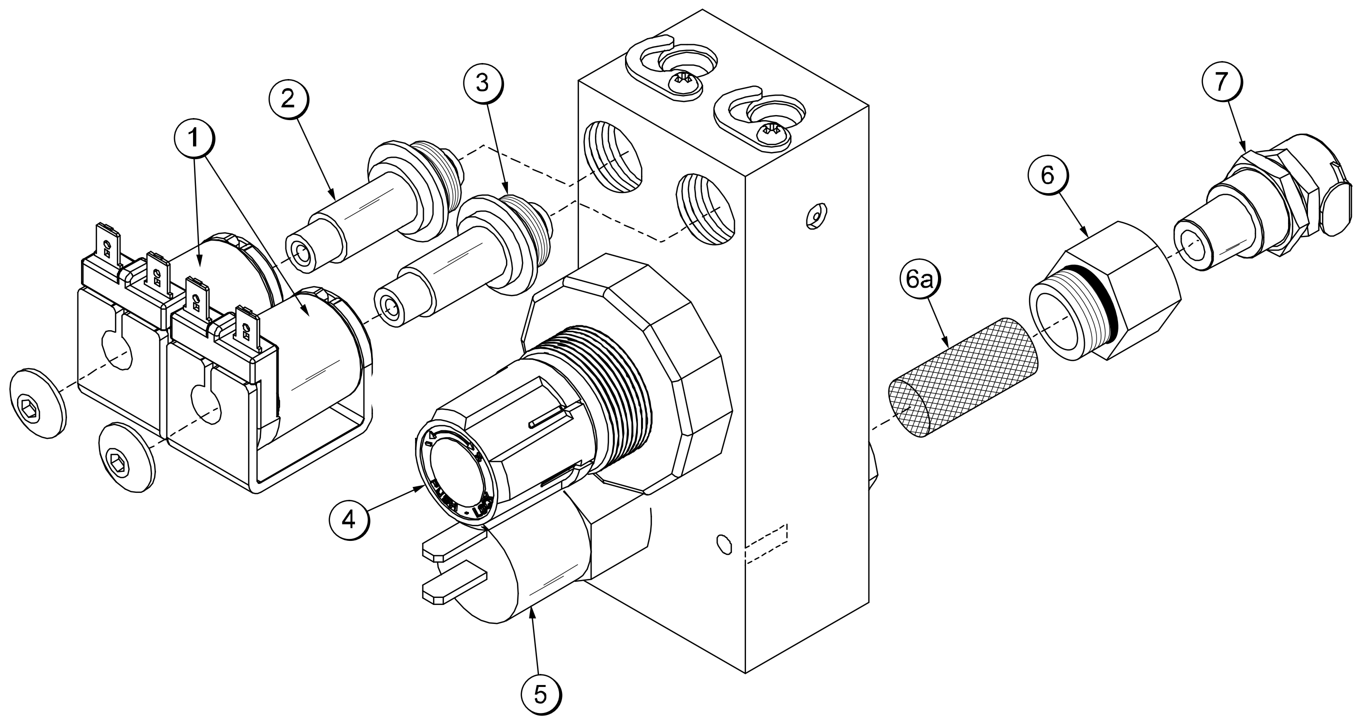


Figure 70

ITEM	DESCRIPTION	PART NO.
1	COIL-VALVE*SOLENOID-H20	066872-03
2	VALVE-STEM-DRINK 5/64 ORIFICE	067805-06
3	VALVE-STEM-RINSE *5/32 ORIFICE	067805-05
4	REGULATOR*WATER-INLET	067805-03
5	SWITCH-PRESSURE *WATER	066872-08

ITEM	DESCRIPTION	PART NO.
6	HOUSING-STRAINER-WATER-INLET	067805-02
6a	ELEMENT-STRAINER-WATER-INLET	067805-01
*7	COUPLING-QD-CPC-WATER-INLET	067805-04

*067805-04 IS NOT PART OF 067805-12 ASSY. MUST BE PURCHASED SEPARATELY.

Valve-Inlet-H20 - 066872-12 (Old Valve - Serial Number M0017281 & Prior)

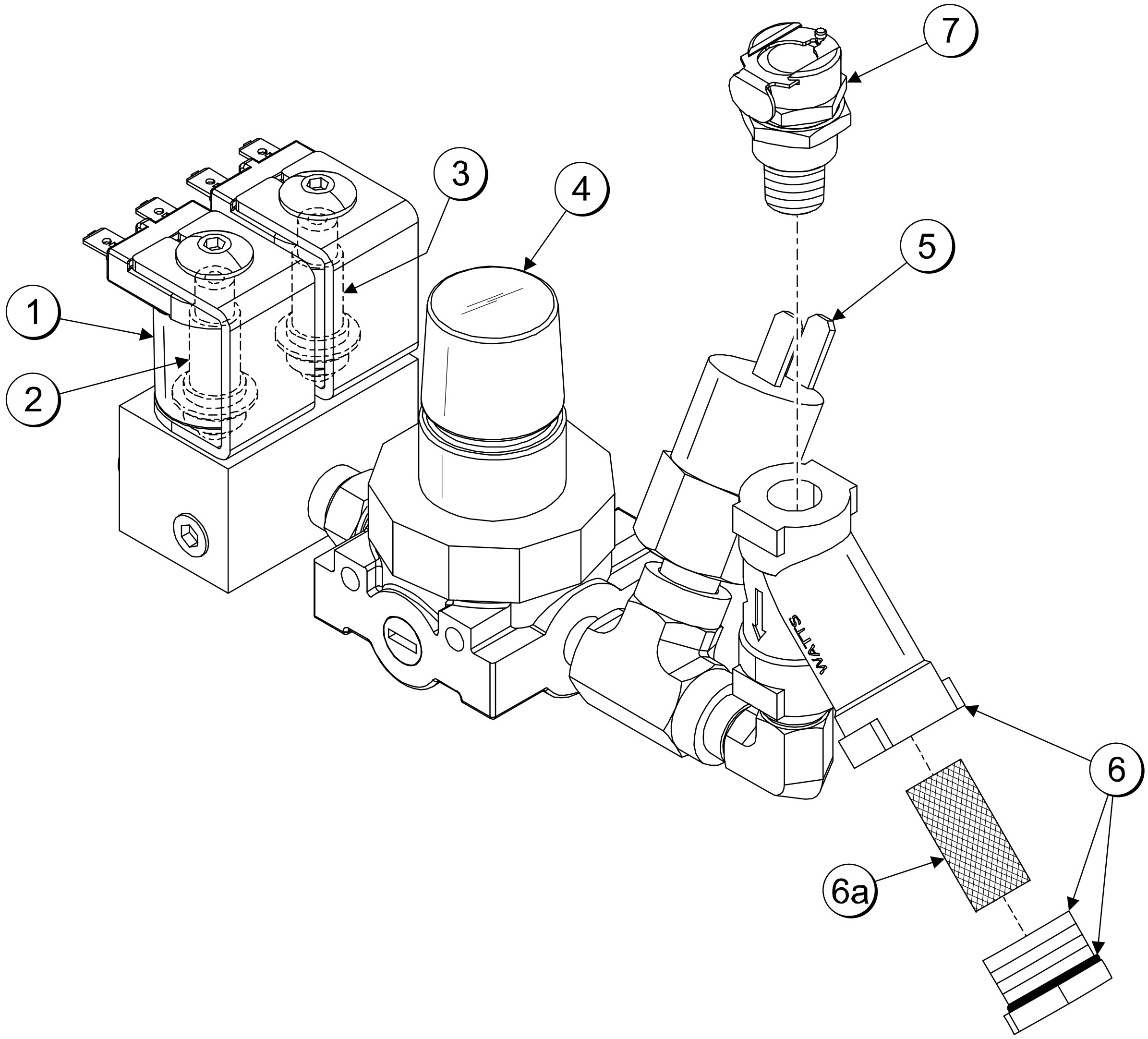


Figure 71

ITEM	DESCRIPTION	PART NO.
1	COIL-VALVE*SOLENOID-H20	066872-03
2	VALVE-STEM-DRINK	067805-06
3	VALVE-STEM-RINSE	067805-05
4	REGULATOR-WATER	065173
5	PRESSURE SWITCH	066872-08

ITEM	DESCRIPTION	PART NO.
6	INLET STRAINER	066872-06
6a	ELEMENT-STRAINER-WATER-INLET	066872-06E
*7	COUPLING-CPC WATER	065176

*065176 IS NOT PART OF 066872-12 ASSY. MUST BE PURCHASED SEPARATELY.

150507

Plate A.-Dec. Touch - X67485

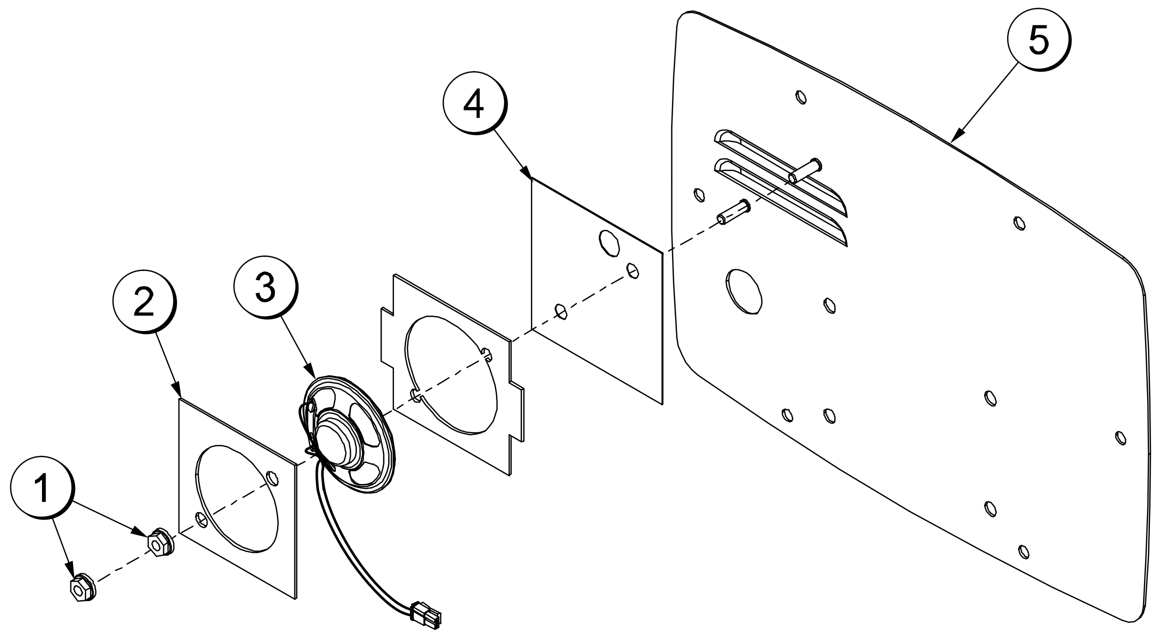


Figure 72

ITEM	DESCRIPTION	PART NO.
1	NUT-10-32 FLANGE LOCK	079150
2	PLATE-SPEAKER	072071
3	SPEAKER-MICRO-MYLAR CONE	065333

ITEM	DESCRIPTION	PART NO.
4	SHIELD-GREASE-SPEAKER	071118
5	PLATE A.-MOUNTING	X67486

Dispenser A.-Cup - X66687

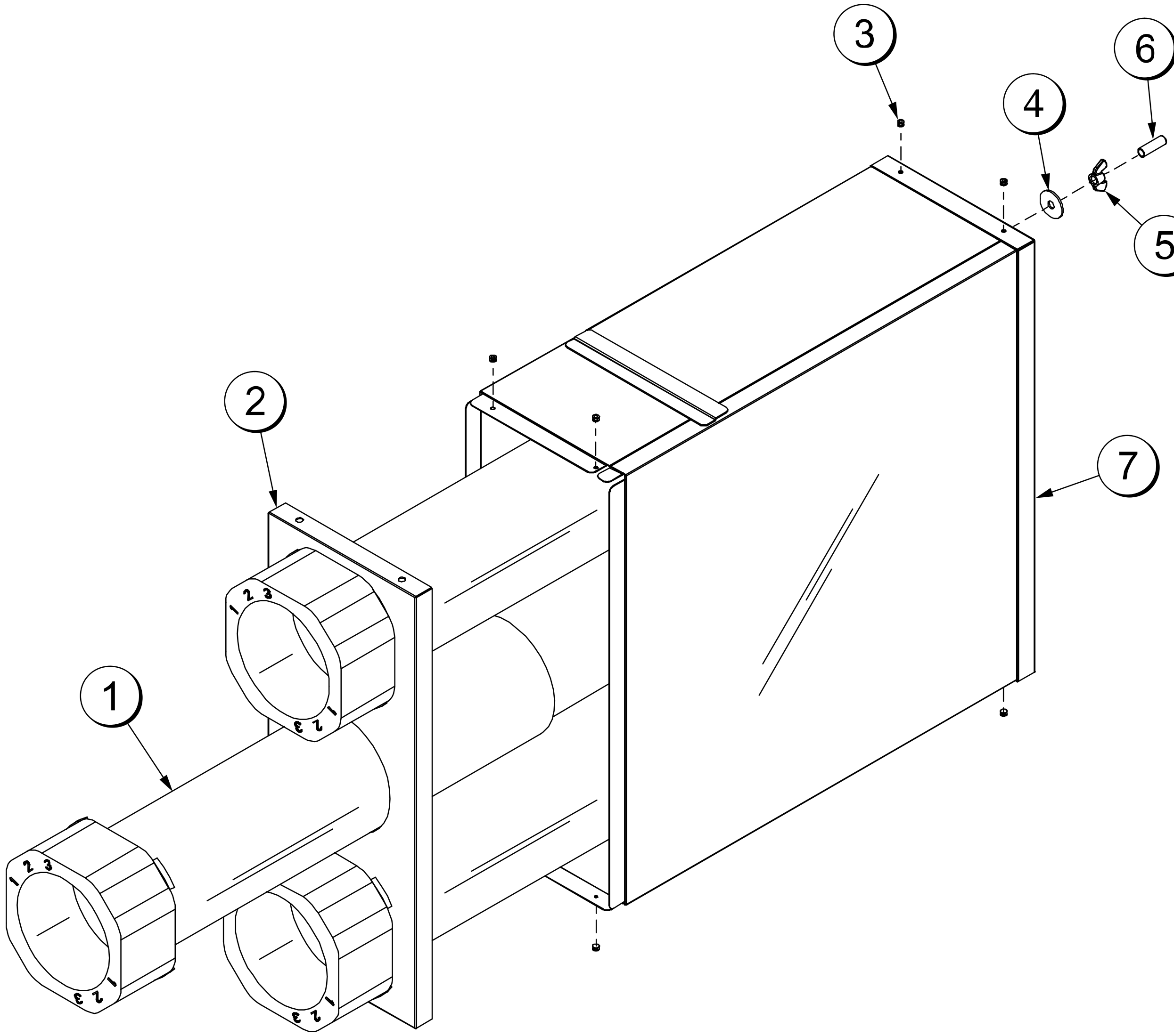


Figure 73

ITEM	DESCRIPTION	PART NO.
1	DISPENSER-CUP*ADJUSTABLE	066691
2	COVER-DISPENSER*CUP	066690
3	RIVET-1/8D .065-.125 GR. SS	022517
4	WASHER-.281IDX1.00ODX.063	079754
5	NUT-WING-1/4-20 NYLOCK	039126
6	CAP-VINYL-ROUND-.234 ID	065869
7	COVER A.-DISPENSER	X66689

150729

Bracket A.-Tray - X66840

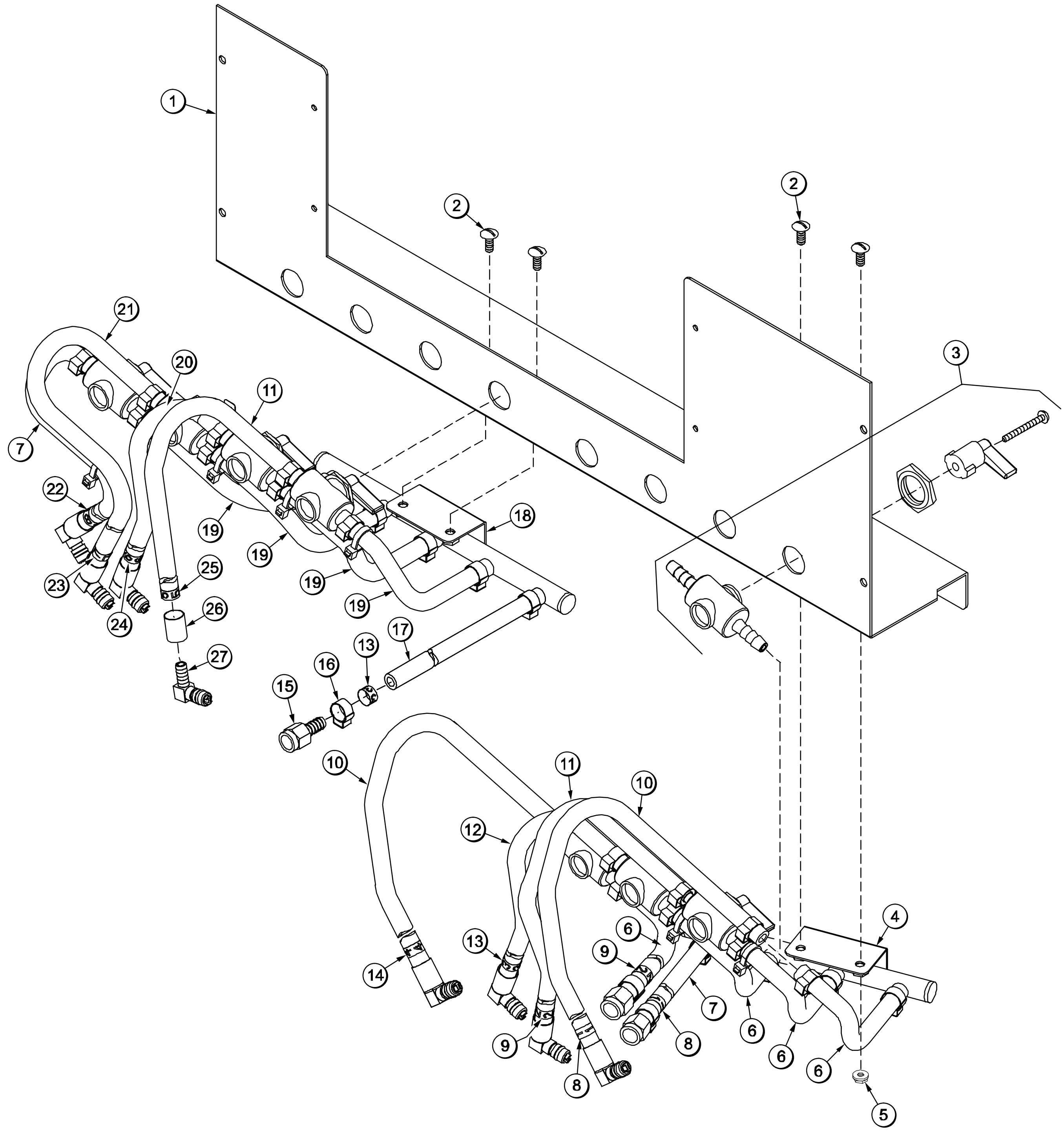


Figure 74

Bracket A.-Tray - X66840 Parts Identification

ITEM	DESCRIPTION	PART NO.
1	BRACKET A.-TRAY	X66839
2	SCREW-10-32X1/2 SLTD TRUSS	037734
3	VALVE-SHUTOFF-1/4 BARB	066071
4	MANIFOLD A.-SODA	X66625
5	NUT-10-32 FLANGE LOCKNUT	020983
6	HOSE-BEV.-.250IDX.438OD	R30317
7	HOSE-BEV.-.250IDX.438OD	R30317
8	MARKER-WIRE #1	018520
9	MARKER-WIRE #2	018521
10	HOSE-BEV.-.250IDX.438OD	R30317
11	HOSE-BEV.-.250IDX.438OD	R30317
12	HOSE-BEV.-.250IDX.438OD	R30317
13	MARKER-WIRE #3	018522
14	MARKER-WIRE #4	018523

ITEM	DESCRIPTION	PART NO.
15	ADAPTOR-SWV 1/4FFLX1/4 BARB	016715
16	CLAMP-HOSE 15/32-STEPLESS	059755
17	HOSE-BEV.-.250IDX.438OD	R30317
18	MANIFOLD-SODA FCB	059438
19	HOSE-BEV.-.250IDX.438OD	R30317
20	HOSE-BEV.-.250IDX.438OD	R30317
21	HOSE-BEV.-.250IDX.438OD	R30317
22	MARKER-WIRE #8	043324
23	MARKER-WIRE #7	043323
24	MARKER-WIRE #6	043322
25	MARKER-WIRE #5	021392
26	FERRULE-.475 ID NP BRASS	021082
27	ELBOW-CO2-PUMP-BIB-1/4 BARB	065981

150903

Sensor A.-Rinse - X66383

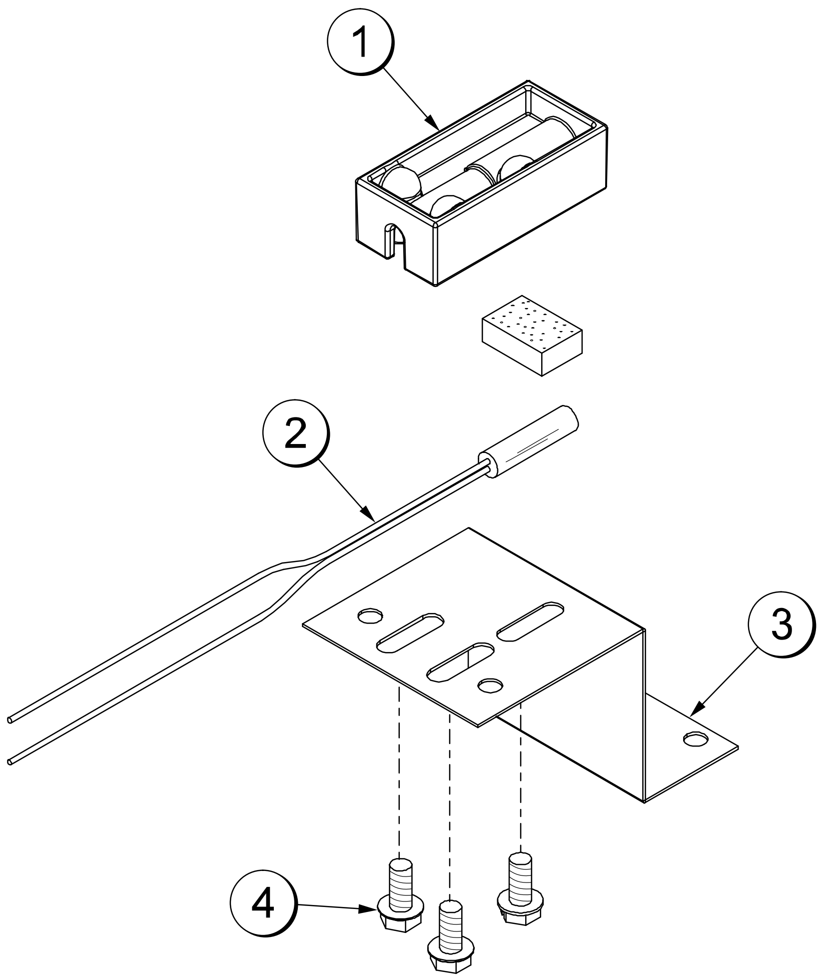
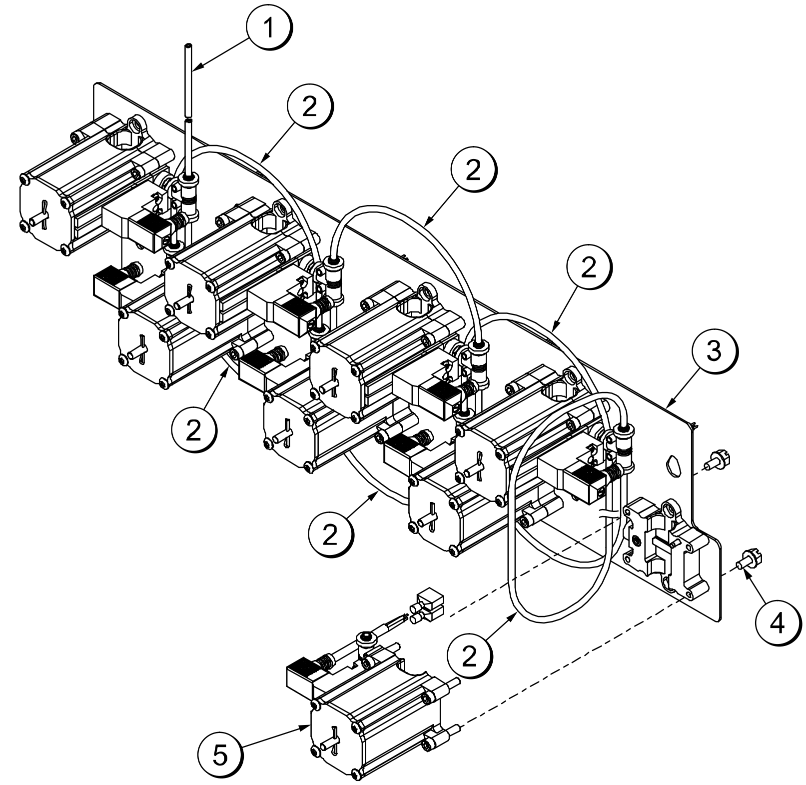


Figure 75

ITEM	DESCRIPTION	PART NO.
1	BLOCK-SENSOR *RINSER	066382
2	SWITCH-REED*DOOR INTERLOCK	056249

ITEM	DESCRIPTION	PART NO.
3	PLATE-SUPPORT-SENSOR	065121
4	SCREW-10X7/16 UNSL TD HWH	066234

Plate A.-Pinch Valve - X68100



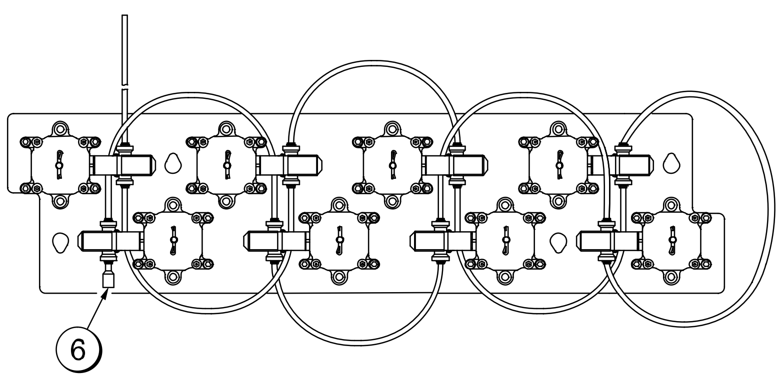


Figure 76

ITEM	DESCRIPTION	PART NO.
1	TUBE-POLY-4MM OD X 2.5 MM	065306-40
2	TUBE-POLY-4MM OD X 2.5 MM	065306-12
3	PLATE-MOUNT-PINCH VALVE	068099

ITEM	DESCRIPTION	PART NO.
4	SCREW-10-32X3/8 SERRATED	075985
5	VALVE-PINCH W/TEE-CELCON	069176
6	PLUG-PTC*5/32 DIA	067225

150220

Bracket A.-Fitment - X66890

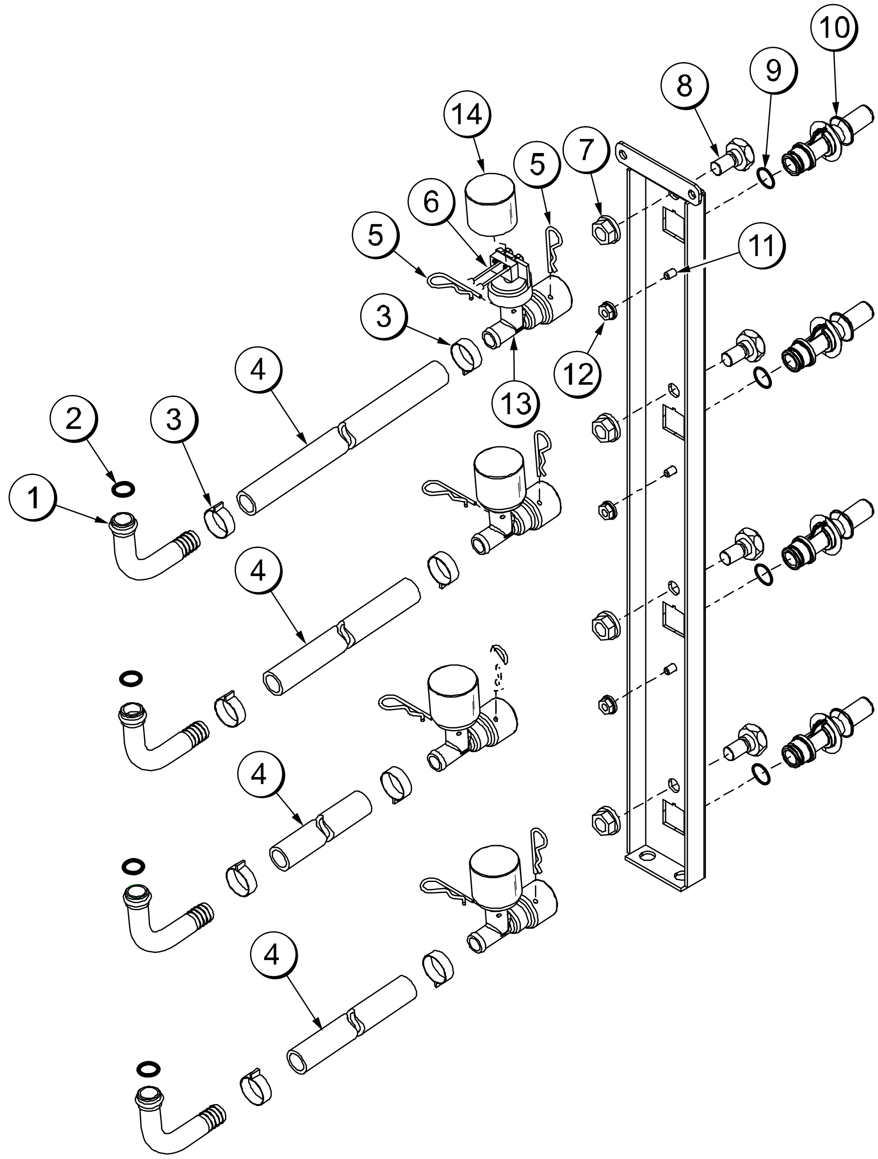


Figure 77

ITEM	DESCRIPTION	PART NO.
1	ELBOW-INLET-LIQUID-PUMP -BIB	065884
2	O-RING-9/16 OD X .103W	016369
3	CLAMP-HOSE 13/16-STEPLESS	062944
4	TUBE-PVC-CLR-1/2 ID	R30320
5	CLIP-RETAINING-SW-SYR PRESSURE	048710
6	SWITCH-VACUUM-MIX-17" HG CO	068032

ITEM	DESCRIPTION	PART NO.
7	NUT-3/8-16 FLANGE LOCK	017329
8	COLLAR-HOLDING *BRACKET	067244
9	O-RING-1/2ID X 5/8 OD	017998
10	FITTING-BAG*FITMENT-MI	066871
11	STUD-CONE HOLDER *HS*	036764
12	NUT-10-32 FLANGE LOCKNUT	020983
13	FITTING-SWITCH*MIX/VAC	066870
14	KIT A.-CAP-SWITCH	R30320

Accessories

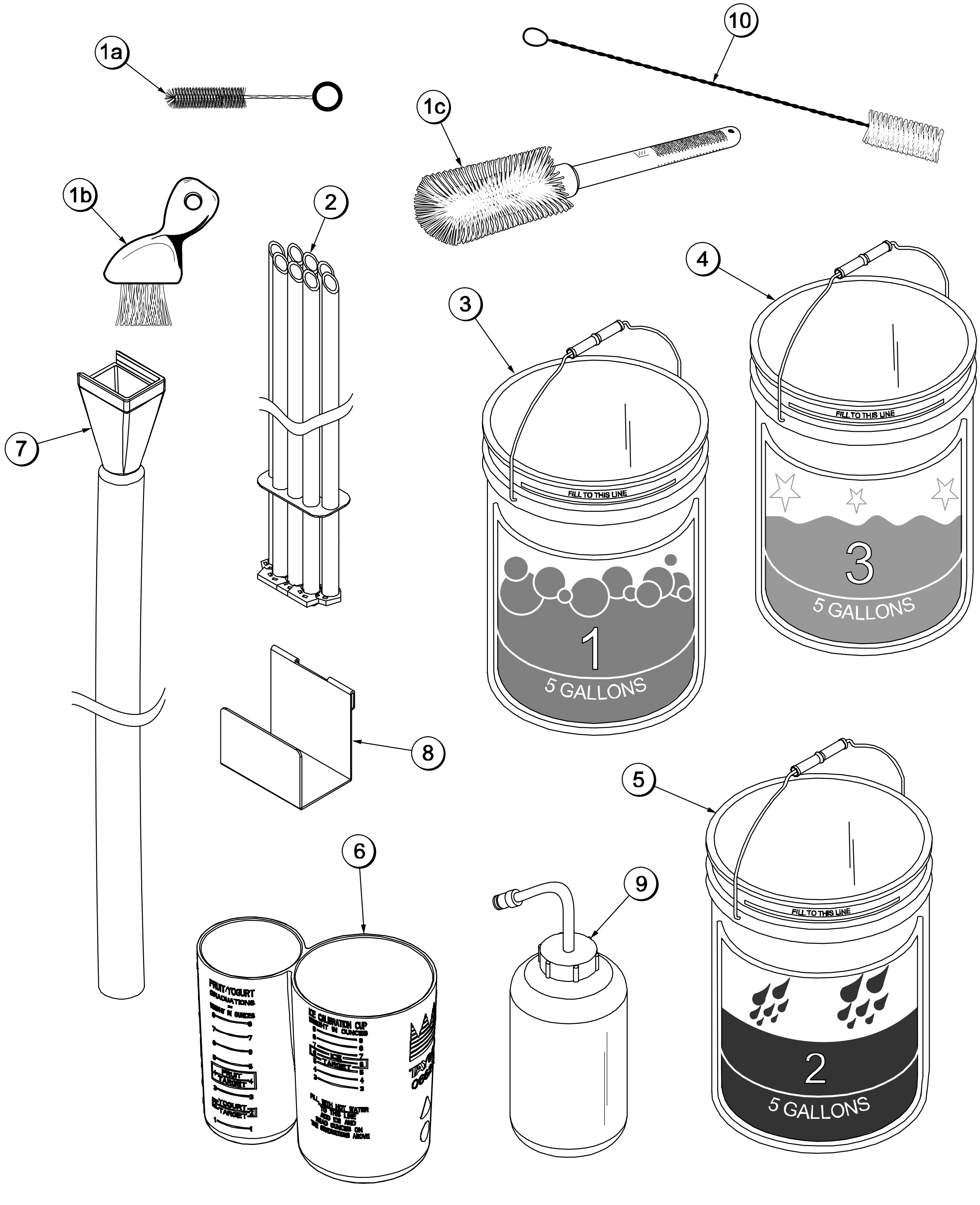


Figure 78

150220

Accessories Parts Identification

ITEM	DESCRIPTION	PART NO.
1	KIT A.-BRUSH	X68468
1a	BRUSH-TUBE *MIX	068460
1b	BRUSH-END-DOOR-SPOUT-SS	039719
1c	BRUSH-MIX PUMP BODY-3" X 7"	023316
2	TUBE A.-CLEANING	X66468
3	PAIL-WASH	067960-W
4	PAIL-SANITIZE	067960-S
5	PAIL-RINSE	067960-R

ITEM	DESCRIPTION	PART NO.
6	CUP-CALIBRATION *ICE/MIX	066273-UV
7	LINE A.-ATTACHMENT-CLEANING	X66750
8	HOLDER-CORD *POWER	067943
9	BOTTLE A.-SQUEEZE	X45080
*10	BRUSH-DRAW VALVE 1-1/2 X 3	014753
**	HOSE-CORRUGATED-1 ID X 96	066756-96

* USED IN INTERNATIONAL MARKETS, ONLY
**NOT SHOWN

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
C02912H000 - 115V 60HZ 1PH - A/C-TECUMSEH-(R404A) - STANDARD UNIT				
ACTUATOR A.-RINSER *C029*	X66755	1	103	S/N K9064898 - NEW MAGNET 5/21/09
ARMAFLEX 3/8 ID X 1/4WALL	R50322	5'	000	
ARMAFLEX 1/4 ID X 1/4WALL	R50320	9'	000	
ARMAFLEX 7/8 ID X 3/8WALL	R50332	5"	000	
ARMAFLEX 1-3/8 ID X 1/2 WALL	R50333	2'	000	
ARMAFLEX 2.00 ID X 1/2 WALL	R50342	1'	000	FLAVOR TUBE - DRAIN/H20
BASE-ISLAND OASIS *C029*	065194-47	*	103	SEE KIT A.-BASE-ISLAND OASIS - SPECIAL ORDER
+DRAIN-MAIN W/SAFETY SWITCH	065194-21	1	103	FLOOR UNDER ICE HOPPER-IO
BIN A.-MIX *C029*	X67726	8	103	S/N K9126745 & UP - U/D 209 REPLACED 067077
+LABEL-INSTALL *C029* BAG-MIX	068110	8	000	S/N K9126745 & UP
KIT-BLADE-CARTDRIGE*C029*IO	069087	1	000	STARTING S/N M1015079 & UP - REPLACED 065194-6B
BLOCK-SENSOR *C019* RINSER	066382	1	103	SENSOR A.-RINSE
BLOCK-TERMINAL-PLUG 6P .2 SIP	040322-002	2	103	
BLOCK-TERMINAL-PLUG 8P .2 SIP	040322-004	1	103	
BOTTLE A.-SQUEEZE	X45080	1	000	S/N K9076990 & UP
BOARD-CIRCUIT DRIVE		*	212	SEE - KIT A.-BOARD *RIGHT SIDE OF IO UNIT X6519414SV
FUSE-BOARD-DRIVER-ISLAND OASIS	065194-26	1	000	
BOWL A.-RINSE-PITCHER *C029*	X65003	1	103	
ADAPTER-ELBOW-1/2NPTX3/8 BAR	065005	1	103	
CLAMP-HOSE-ADJ 7/32 X 5/8 ID	016551	1	000	
ELBOW-3/4 NPT X 3/4 BARB	065004	1	103	
CLAMP-HOSE-ADJ 11/16 X 1-1/4	024797	1	000	
TUBE-VINYL 1/2ID X 11/16 OD	R30335	2'	000	
TUBE-VINYL 3/8 ID X 9/16 OD	R30315	4'	000	
TUBE-VINYL 3/4ID X 1"OD	R30336	6'	000	PANEL-FRONT W/CUP SENSOR USED PRIOR TO 065194-21
BOX A.-MANIFOLD *C029* DPST	X68265	1	103	S/N M0074210 & UP
BRACKET A.-ACCESS VALVE *C029*	X65421	1	103	COMP ACCESS VLV
BRACKET A.-FITMENT *C029*	X66890	2	103	
BRACKET A.-TRAY *C029* CO2	X66840	1	103	
BRACKET-PUMP *C029* SINGLE	066385	2	103	

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
BRUSH		*	000	SEE KIT A.-BRUSH X68468
KIT A.-BRUSH	X68468	1	000	
BRUSH-MIX PUMP BODY-3" X 7"	023316	1	000	
BRUSH-END-DOOR-SPOUT-SS-HT	039719	1	000	
BRUSH-TUBE *C029* MIX	068460	1	000	
BUSHING-SNAP 11/16 ID X 7/8OD	010548	9	103	
BUSHING-SNAP 1-3/8ID X 1-3/4OD	027712	2	000	
BUSHING-SNAP-13/16IDX1-3/32OD	066874	3	000	
BUSHING-SNAP 1 ID X 1-1/4OD BL	600288	1	000	
BUSHING-SNAP 5/8ID X 3/4OD-BLK	017462	1	000	
PLUG-HOLE-7/8-UNIVERSAL BLACK	049942	1	000	S/N M3014834 & UP REPLACES 027691 BUSHING
CABLE-RIBBON-20C-14"L-DIL/DIL	040040-040	1	103	
CABLE-RIBBON-50C-20"L-DIL/DIL	040040-011	1	103	
CABLE-USB-A-A-90DEG	068960	1	103	ADDED S/N M1042571
CART A.-BLENDED ICE *C029*	X68108	1	000	S/N M0017282 & UP
BUSHING-SNAP 1-3/8ID X 1-3/4	027712	1	000	
CASTER-2" RIGID DUAL W/BRAKE	081676	2	103	
CASTER-2" SWV DUAL W/BRAKE	081675	2	103	
CLAMP-HOSE-SNAPIT-61/64-1-3/	066740	1	000	
ELBOW 3/8 NPTX3/8 BARB-BRASS	065122-8	1	103	
ELBOW-3/4 MPT X 3/4 BARB BRA	064502	1	103	
EXTRUSION-CAB-BEV AIR SIDE	065122-20	2	000	
EXTRUSION-CAB-BEV AIR TOP/BO	065122-19	2	000	
FITTING-Y-3/4BARBX1 BARB BAS	067811	1	103	
PLATE-ADAPTOR-CASTER-C029	081682	4	103	
SCREW-5/16-18X7/8 SERR. HWH	017973	16	000	
TUBE-PVC BRAIDED 3/8IDX5/8OD	R30332	3'	000	
+CLAMP-HOSE-ADJ 3/8 X 7/8 ID	019271	1	000	
TUBE-VINYL 3/4ID X 1"OD	R30336	3'	000	
+CLAMP-HOSE-ADJ 11/16 X 1-1/4SS	024797	1	000	
CASTER-2" SWV DUAL W/BRAKE	081675	2	103	REPLACES 058500 S/N M3086587 & UP
+SCREW-5/16-18X7/8 SERR. HWH	017973	8	000	
CASTER-2" RIGID DUAL W/BRAKE	081676	2	103	REPLACES 058501 S/N M3086587 & UP

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
+SCREW-5/16-18X7/8 SERR. HWH	017973	8	000	
CHIP-SOFTWARE C029TC TS UVC4	X40621-SER	1	103	TOUCHSCREEN
CHUTE-SHAVER *C029* ICE	065194-7	2	000	NET ITEM TO STORE
CLAMP-CABLE-FLAT RIBBON	046367	3	000	
CLAMP-HOSE-ADJ 7/16 X 25/32	010031	5	000	
CLAMP-HOSE-MUBEA-16MM	081782	16	000	
CLAMP-TUBE*C019*LOW-ISLND OASIS	065194-13	1	000	
CLAMP-TUBE*C019*UP-ISLND OASIS	065194-12	1	000	S/N M0093306
CLIP-SIDE PANEL-ISLAND OASIS	083567	4	000	REPLACED 081114 5/28/15
COIL-VALVE*C029*SOLENOID-H20	066872-03	2	103	
COLLAR-HOLDING .730DX.141 SL	053053	8	103	LID HOLDER - REPLACES 019481
+SCREW-10-32X3/4 SLTD TRUSS	033944	4	000	
COLLAR-HOLDING .730DX.072 SLOT	046551	2	103	
+SCREW-10-32X3/4 SLTD TRUSS	033944	4	000	
COLLAR-HOLDING *C029* BRACKET	067244	8	103	
COMPRESSOR AEA9415ZXA-AE570AT	063041-12	1	512	TECUMSEH
+RELAY-START-COMPRESSOR	063041-1	1	103	
+CAPACITOR-START-COMPRESSOR	063041-2	1	103	
+OVERLOAD-TI #MRT22AHK-69	063041-3	1	103	
+GROMMET-COMPRESSOR MOUNT	039919	4	000	
+SLEEVE-MOUNTING-COMP-AE	039920	4	000	
+HARNESS-COMPRESSOR *C029*	065404	1	103	
CONDENSER-AC 9X8 -2 ROW	029797	1	103	
+DEFLECTOR-EXHAUST-CONDENSER	068335-3	1	103	S/N M1042571 & UP
+SHROUD-CONDENSER-BELL MOU	068333-3	1	103	S/N M1042571 & UP
CONE-PLASIC *C029*ISLAND OASIS	065194-48	1	103	S/N M1015079 & UP
CONTROL-TOUCHSCREEN		*	212	SEE - KIT A.-CONTROL X67213-SER
CONTROL-BLENDED ICE *C029*ROHS	067702-SER	1	212	REPLACED X67702-SER KIT A.-CONTROL-BLENDED ICE
CORD A.-POWER-125V-18/3-HDWIRE	065194-42	1	103	REPLACES 065194-22
CORD A.-POWER-230V-18/3-HDWIRE	065194-43	1	103	TAYLOR UNIT TO IO LINE FILTER
CORD-POWER-125V-NEMA 5-15P-11'	066893	1	103	
COUPLING-3/8FS X 1/4FS	031791	2	103	
COVER A.-HOPPER-LARGE	065194-2B	1	000	

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
COVER-BOX *C029* MANIFOLD	066253	1	103	
COVER-CONE*C029*ISLAND OASIS	065194-49	1	103	S/N M1015079 & UP
COVER-CONTROL *C029*	065086	1	103	
COVER-PUMP *C029* CENTER	066864	1	103	
COVER-PUMP *C029* SIDE	066865	2	103	
CUP-CALIBRATION *C029* ICE/MIX	066273-UV	1	000	M0052609-NEW INK
CUP-SENSOR*C029*	065194-33	1	103	
+SCREW-2-65X3/16 PHL PAN SS	081859	4	000	
DIAGRAM-WIRING *C029* DPST SWT	067978-12C	1	000	S/N M2052429 & UP - CHANGED WITH POWER SUPPLY 068876
DIAGRAM-WIRING *C029* 8 FLAVOR	067978-12	*	000	S/N M2052428 & PRIOR
DISPENSER A.-CUP *C029*	X66687	1	103	
COVER A.-DISPENSER *C029* REAR	X66689	1	103	
COVER-DISPENSER*C029*CUP-FRONT	066690	1	103	
NUT-WING-1/4-20 NYLOCK	039126	1	000	
DOOR A.-CART *C029*	X66292	1	103	COMPLETE
COLLAR-HOLDING .730DX.141 SL	053053	4	103	
SCREW-10-32X1/2 SLTD FLAT	043074	4	000	
HINGE-DOOR-RH-BOTTOM *C029	066294-71	1	103	
+SCREW-1/4-20X1 HEX HEAD CAP	017254	2	000	
+HINGE-DOOR-RH-TOP *C029*	066294-70	1	103	
+SCREW-1/4-20X1 HEX HEAD CAP	017254	2	000	
+SUPPORT-BRACKET *C029* HINGE	067389	1	103	ADDED 3/11/2009
DRAIN-MAIN W/O SAFETY SWITCH	065194-56	1	103	REPLACED 065194-21 - FLOOR UNDER ICE HOPPER-SPL ORD REPLACES 065194-5
DRAIN-MAIN W/SAFETY SWITCH	065194-21	*	103	ORIGINAL M102 & PRIOR TO UPDATE TO NEW -56 STYLE USE X80552
DRYER-TWO CAP.TUBES	049346	1	000	LINE A.-LIQUID *C029*
EVAP-12L X 4H X 1-7/8T	065141	1	103	
+CLAMP-HOSE-SNAP IT-17/32-19/32	052021	1	103	
+TUBE-VINYL 3/8 ID X 9/16 OD	R30315	4'	000	
FILTER-CORCOM 6EH1	040140-001	1	103	
FILTER-FERRITE-BROADBAND EMI-	067321	1	000	
FILTER-INLINE 1/4 NPT	066271-17	1	000	MANIFOLD-CO2

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
+ELEMENT-FILTER*C029*90 MICRO	066271-17R	1	000	
FITTING-3/8 MOR X 1/4 BARB-SS	049427	1	103	REPLACES 059981 3/8 MOR X 3/8 BARB-SS 4/1/2009
FITTING-3/8 MOR X 3/8BARB-SS	059981	1	103	
FITTING-BAG*C029* FITMENT-MIX	066871	8	103	S/N K9047582 & UP
+O-RING-1/2ID X 5/8 OD	017998	8	000	
FITTING-SWITCH*C029*MIX/VAC	066870	8	103	S/N K9047582 & UP
+CLIP-RETAINING-SW-SYR PRESSURE	048710	16	000	
FITTING-Y-3/4BARBX1 BARB BASE	067811	1	103	
FLOOR-HOPPER *C019* ICE	065194-5	*	103	BLACK PLASTIC ICE BIN SUPPORT NLA USE 065194-56/X80552
FOOT-2IN LEG-IO, TM	081860	4	103	S/N M4106929 & UP - PRIOR USE 065194-11 LEG
FUSE-BOARD-DRIVER-ISLAND OASIS	065194-26	1	000	
GASKET-DOOR-CART *C029*	064950-2	1	000	
GASKET-RINSER RACK *C029*	065008	1	000	
GAUGE-PRESSURE 0-100 PSI1/8NPT	066271-5	1	103	MANIFOLD-CO2
GAUGE-PRESSURE 0-60 PSI 1/8NPT	066271-14	3	103	MANIFOLD-CO2
GRATE-BOWL-RINSE *C029*	064997	1	103	
GRATE-STAND-PITCHER *C029*	064995	1	103	
GUARD-FAN	028534-1	2	103	
GUARD-SPLASH *C029* SHAVER-ICE	065194-8	2	000	NET ITEM TO STORE
GUIDE-DRIP *C029* ISLAND	068624	1	103	S/N M4106929 & UP
HANDLE-CABINET DOOR *C029*	064950-5	1	000	
+SCREW-10-32X1/2 SLTD FLAT	043074	2	000	
HARNESS-COM-IS-OASIS-UVC4	068582	1	103	S/N M1044361 & UP UVC 4-PRIOR USED 068361
HARNESS-COMPRESSOR *C029*	065404	1	103	W/TECUMSEH COMPRESSOR
HARNESS-CONTROL BX HV1 *C029*	080118	1	103	S/N M2052429 & UP-PRIOR USED 068718
HARNESS-PINCH VLV LV1 *C029*	069163	1	103	S/N M2052610 & UP-PRIOR USED 066514
HARNESS-SWITCH *C029* H20/C02	066513	1	103	
HARNESS-WIRE *C029* MIX OUT-LV	066435	1	103	
HARNESS-WIRE*C029*HV2-8 FLAVOR	068950	1	103	W/TECUMSEH COMPRESSOR
HINGE A.-REIN-TOP *C029*	X66292-15	1	103	
HINGE A.-REIN-BOTTOM *C029*	X66292-16	1	103	
HINGE-DOOR-RH-BOTTOM *C029*	066294-71	1	103	

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
+SCREW-1/4-20X1 HEX HEAD CAP	017254	2	000	
HINGE-DOOR-RH-TOP *C029*	066294-70	1	103	
+SCREW-1/4-20X1 HEX HEAD CAP	017254	2	000	M0018102
HOLDER-BOTTLE *C029* FRONT	067813	*	103	REMOVED FROM UNIT 4/29/2015-CUSTOMER REQUEST
COLLAR-HOLDING .730DX.141 SLOT	053053	*	103	
HOLDER-CAN*C029*WHIP CREAM	067691	1	103	S/N K9115630 & UP
+COVER-HOLDER*C029*WHIP CREAM	067744	1	103	
HOLDER-CORD *C029* POWER	067943	1	103	S/N K9104581 & UP
HOLDER-LID *C029*	067947	2	103	S/N M0023000 & UP MOLDED ABS PLASTIC
HOPPER-ICE *C029**BIN ONLY*	065194-2A	1	103	ALSO ORDER 067920 LABEL WHEN REPLACING ICE HOPPER
+LABEL-BIN *C029* ICE-FILL	067920	1	000	
+COVER A.-HOPPER-LARGE	065194-2B	1	103	
+KIT A.-ICE-BIN-SENSOR	X80552	1	103	REPLACES 065194-53 5/26/15
DRAIN-MAIN W/O SAFETY SWITCH	065194-56	1	103	REPLACES 065194-21
HOSE-BEV.-.250IDX.438OD	R30317	35'	000	NYLOBRADE
HOSE-BEVERAGE-.380 ID X.635	R30333	15'	000	DRAIN HOSE FROM EVAP PAN TO REAR DRAIN PAN ELBOW-REAR DRAIN PAN TO FLOOR
HOSE-BEV-1"ID SPIRAL REINF PVC	R30334	3'	000	
HOSE-CORRUGATED-1 ID X 96 LONG	066756-96	1	000	FROM Y FITTING TO FLOOR DRAIN
INSERT-CPC-3/8ODX1/4ID PNL MNT	065957	1	103	
KIT A.-BASE-ISLAND OASIS	X6519447SV	1	103	UNDER IO FLOOR - SPECIAL ORDER - REPLACED 065194-47
SCREW-6-32X1/2 HEX HEAD	065194-50	4	000	
+DRAIN-MAIN W/SAFETY SWITCH	065194-21	1	103	FLOOR UNDER ICE HOPPER-IO
KIT-BLADE-CARTDRIGE*C029*IO	069087	1	000	STARTING S/N M1015079 & UP
KIT A.-BOARD-CIRCUIT*C029*DRIV	X6519414SV	1	212	115V 60HZ 1PH
FUSE-BOARD-DRIVER-ISLAND OASIS	065194-26	1	000	
KIT A.-BRUSH *C029*	X68468	1	000	
BRUSH-MIX PUMP BODY-3" X 7"	023316	1	000	
BRUSH-MIX PUMP BODY-3" X 7"	039719	1	000	
BRUSH-END-DOOR-SPOUT-SS-HT	068460	1	000	
KIT A.-CAP-SWITCH *C029*	X81638	1	103	(4 EA SWITCH CAPS & INSTRUCTION)
KIT A.-CONTROL-BLENDED ICE	X67702-SER	*	212	N/A USE 067702-SER CONTROL-BLENDED ICE (X67702-SER S/N M1044361 & UP)

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
KIT A.-CONTROL TOUCH SCREEN	X67213-SER	1	212	
+CHIP-SOFTWARE C029TC TS UVC4	X40621-SER	1	103	
KIT A.-PAN-DRAIN *C029*	X6519417SV	1	103	REPLACES 083582 PAN-DRAIN
KIT A.-ICE-BIN-SENSOR	X80552	1	103	REPLACES 065194-53 5/26/15
RETAINER-SWITCH-SAFETY-IO	081123	1	000	
SCREW-SENSOR-CLIP-ICE-BIN	065194-55	4	000	
+DRAIN-MAIN W/O SAFETY SWITCH	065194-56	1	103	REPLACES 065194-21
KIT A.-MOTOR BLENDER *C029*	X6519415SV	1	103	
KIT A.-MOTOR SHAVER *C029*	X6519416SV	1	103	S/N M1044361 & UP MOTOR CHANGE FROM 065194-16 TO 083071-27
KIT A.-SEAL SHAFT MOTOR *C029	X6519418SV	1	000	SHAVER MOTOR SEAL
+SCREW-1/4-20X3/4 SOC HD SEMS	083782	4	000	
KIT A.-PROBE-THERMISTOR IP68	X82397-SER	2	103	S/N M3125702 & UP - REPLACES 067427-BLK
KIT A.-SEAL SHAFT MOTOR *C029	X6519418SV	1	000	SHAVER MOTOR SEAL
KIT A.-UVC3-TO-UVC4	X69302	*	212	USE FOR UNITS S/N M1044361 & PRIOR TO UPDATE FROM UVC3-TO-UVC4
KIT A.-WING-PLASTIC ROTARY	X81576-SER	1		M3107087 & UP REPLACES X65194-6ES - U/D 233 - S/B B15011
O-RING-1 OD X .103W	048148	1	000	
NUT-SCRAMBLER *C088*	081579	1	103	
WING-PLASTIC ROTARY-IO-C088	081576	1	103	
KIT A.-WING ROTARY *C029*	X65194-6ES	*		N/A REPLACED BY X81576-SER
COUPLING-DRIVE*C029*HEX-IO	065194-19	*		
NUT-SCRAMBLER *C029*	065194-6A	*		
WING-ROTARY*C029*ISLAND OASI	065194-6E	*		
O-RING-1 7/16 OD X 1/8W	065194-6F	*		
ADHESIVE-LOCTITE #222-05 .5M	062355	*		
INSTRUCTION-ROTARY WING *C02	065194-INS	*		
KIT-BLADE-CARTDRIGE*C029*IO	069087	1	000	STARTING S/N M1015079 & UP
LABEL-BIN *C029* ICE-FILL	067920	1	000	
LABEL-CAUTION-GRD-CORD	032165	1	000	
LABEL-DOOR-MOVE PART	032749	3	000	PNCH VLV COVERS
LABEL-INSTALL *C029* BAG-MIX	068110	8	000	S/N K9126745 & UP
LABEL-LOCATION*C029*PUMP/PINCH	067388	1	000	CENTPNCHVLVCOVR

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
LABEL-MIX *C029*	067466-008	3	000	C029-12
LABEL-MIX *C029*	067466-001	*	000	N/A USE 067466-008
LABEL-ON/OFF-CO2-PUMP-MIX	067444-003	1	000	
LABEL-SKIRT *C029*	067921	1	000	
LABEL-VALVE*C029*ACCESS	068156	1	000	S/N M1070287 & UP - REPLACED 067588
LABEL-WARN-CONDENSER-SHARP	059287	1	000	CONDENSER
LABEL-WARN-COVER	051433	7	000	PNCH VLV COVERS
LABEL-WATER CONN-BACKFLOW PREV	059284	1	000	REAR PAN H20
LEG-UNIT *C019* SHORT-IS OASIS	065194-11	*	103	USED PRIOR TO S/N M4106929 - REPLACED BY 081860
LINE A.-ATTACHMENT-CLEANING	X66750	1	103	S/N K905 & UP - FUNNEL SHAPED REPLACES X66796
ATTACHMENT-CLEANING	066726	1	103	
HOSE-BEV-1"ID-SPIRAL-REINF-PVC	R30334	3'	000	065543-30 HOSE-BEV-1"ID-SPIRAL-REINF-PVC
LINE A.-CO2 *C029* ADAPTOR	X65960	1	103	
ADAPTOR-3/8 BARB X 3/8 BARB-SS	065987	1	103	
COUPLING-ELBOW-QD-CPC-3/8 BARB	065958	1	103	
FERRULE-.650 ID NP BRASS	029834	2	000	
LABEL-CO2 CO2 CO2-1/4"X2"	044519	1	000	
TUBE-PVC BRAIDED 3/8IDX5/8OD	R30332	4	000	500038-48
LINE A.-WATER *C029* ADAPTOR	X65961	1	103	
ADAPTOR-3/8 BARB X 3/8 BARB-SS	065987	1	103	
FERRULE-.650 ID NP BRASS	029834	2	000	
TUBE-PVC BRAIDED 3/8IDX5/8OD	R30332	4	000	
+NUT-10-32 WHIZ FLANGE LOCKNU	020983	2	000	
+SCREW-10-32X1/2 SLTD TRUSS	037734	2	000	
MAN-OPER C029	067214-M	1	000	
MAN-OPER C029 SPANISH	067214SM	1	000	
MANIFOLD-C02 *C029* COMPLETE	066271-12	*		ORDER INDIVIDUAL PARTS AS NEEDED - 115V 60HZ 1PH
ELBOW-1/8 NPT:	066271-7	1	103	
ELBOW-1/4 MFL X1/8MPT:	066271-8	3	103	
ELBOW-5/32X1/8NPT	066271-9	1	103	
FILTER-INLINE 1/4 NPT	066271-17	1	000	
ELEMENT-FILTER*C029*90 MICRON	066271-17R	1	000	
FITTING-3/8 X 1/4MPT:	066271-6	1	103	

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
GAUGE-PRESSURE 0-100 PSI1/8NPT	066271-5	1	103	
GAUGE-PRESSURE 0-60 PSI 1/8NPT	066271-14	3	103	
PLUG-1/4 NPT-PARKER:	066271-4	1	103	
REGULATOR-CO2 0-100 PSI	066271-15	1	103	
REGULATOR-CO2 0-60 PSI	066271-11	3	103	
SWITCH-PRESSURE	066271-10	1	103	
VALVE-DUMP-115V 60HZ 1 PHASE	066271-13	1	103	
+TUBE-POLY-3/8OD X 1/4ID-BLK	065335-53	1	000	CO2 IN - black
+NUT-PANEL MOUNTING	035319	1	000	
+BOX A.-MANIFOLD *C029* DPST	X68265	1	103	S/N M0074210 & UP - REPLACED X66251
+KIT A.-CO2 MANIFOLD SRV *C029*	X66271-SER	1	000	REPAIR KIT FOR C02 MANIFOLD U/D 233
MANIFOLD A.-SODA	X66625	1	103	X66840 BRACKET A.-TRAY *C029*
MANIFOLD-SODA FCB	059438	1	103	X66840 BRACKET A.-TRAY *C029*
+ADAPTOR-SWV 1/4FFLX1/4 BARB-SS	016715	3	103	
+CLAMP-HOSE 15/32-STEPLESS EA	059755	28	000	
+ELBOW-CO2-PUMP-BIB-1/4 BARB	065981	8	000	
+FERRULE-.475 ID NP BRASS	021082	8	000	
+HOSE-BEV.-.250IDX.438OD	R30317	35'	000	
+LABEL-ON/OFF-CO2-PUMP-MIX	067444-003	1	000	REPLACES 066087
+NUT-10-32 WHIZ FLANGE LOCKNU	020983	4	000	
+SCREW-10-32X1/2 SLTD TRUSS	037734	4	000	
+VALVE-SHUTOFF-1/4 BARB-PNL MNT	066071	8	103	
MOTOR-BLENDER *C019* IO	065194-15	*	103	N/A USE X6519415SV KIT A.-MOTOR BLENDER 115V 60HZ 1PH
MOTOR-FAN 95.3 CFM 2700 RPM	062253-12	2	103	EVAPORATOR - 115V 60HZ 1PH
+GUARD-FAN	028534-1	2	103	
+SCREW-10-32X3/8 UNSL HWH SERR	039381	4	000	
MOTOR-FAN 9 WATT	012768-12	1	103	115V 60HZ 1PH - CONDENSER FAN MOTOR
+FAN-5 BLADE 7 " PUSH 30DEG CW	016289	1	103	
MOTOR-SHAVER *C019* IO	065194-16	*	103	N/A USE X6519416SV KIT A.-MOTOR SHAVER
NOZZLE-SPRAY-RINSE *C029*	066814	1	103	
NUT-SCRAMBLER *C088*	081579	1	103	ROTARY WING
+O-RING-1 OD X .103W	048148	1	000	
PAIL-RINSE *C029*	067960-R	1	000	S/N K9093386 & UP - REPLACES X66168-R - U/D 208

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
PAIL-SANITIZE *C029*	067960-S	1	000	S/N K9093386 & UP - REPLACES X66168-S - U/D 208
PAIL-WASH *C029*	067960-W	1	000	S/N K9093386 & UP - REPLACES X66189-W - U/D 208
PAN-CART *C029* BOTTOM	067488	1	103	DRIP PAN
PAN-DRAIN *C029* IO	083582	*	103	N/A USE X6519417SV - UNDER IO UNIT - BLACK PLASTIC - WITH DRAIN HOSE
PAN-DRIP *C029* RACK-RINSER	066511	1	103	
PAN-DRIP *C029* VALVE-EXP-REAR	067495	1	103	SHIPPED IN ACCESSORY BOX
PANEL A.-CART-REAR *C029*	X68329	1	103	S/N M1042571 & UP - REPLACES X67457
PANEL A.-TOP *C029* INSULATED	X68094	1	103	
PANEL-ACCESS*C029*LEFT	066351	1	103	W/SLOTS
PANEL-ACCESS*C029*RIGHT	066352	1	103	
PANEL-FRONT-NOTCHED-TM	081858	1	103	
PANEL-FRONT W/CUP SENSOR*C029*	065194-20	*	103	PANEL & SENSOR NO LONGER SOLD AS ONE/SEE 081858 & 065194-56
PANEL-SIDE-LEFT-ISLAND OASIS	065194-23	1	103	
PANEL-SIDE-RIGHT-ISLAND OASIS	083568	1	103	S/N M4106929 & UP - PRIOR 065194-24
PANEL-SIDE-REAR-ISLAND OASIS	065194-25	1	103	
PCB A.-CONTROL *C029* UVC4	X69277-SER	1	212	S/N M1044361 & UP
CONTROL-UVC4	X68114-SER	1	212	BASE BOARD - NOT PROGRAMED
PITCHER-BLENDER-2 BLADE	083354	2	103	S/N M4086032 & UP - REPLACES 065194-35
PLATE A.-MOUNTING *C029* TOU	X67486	1	103	SPEAKER MOUNT
PLATE-SUPPORT *C029* REAR	069279	1	103	REPLACES 066285 3/16/11
PLUG-HOLE 7/8 DIA.BLACK N	081116	1	000	S/N M4106929 & UP
PLUG-HOLE-7/8-UNIVERSAL BLACK	049942	10	000	S/N M3014834 & UP REPLACES 027691 BUSHING
KIT A.-PROBE-THERMISTOR IP68	X82397-SER	2	103	S/N M3125702 & UP - REPLACES 067427-BLK
PROBE-THERMISTOR*2%*7IN JACKET	067427-BLK	*	103	N/A USE X82397-SER KIT A.-PROBE - FLAVOR TUBE / CABINET 3/26/2009
PUMP-BIB-GAS-CONDIM-DUCKBILL	067605	8	103	S/N K9126126 & UP REMAINING 6 PUMPS CHANGED TO 8 DUCKBILL
+CLAMP-HOSE-MUBEA-16MM	081782	10	000	S/N M3106938 & UP - PINCH TUBE TO FLAVOR TUBE CLAMP
+CLAMP-KWIK-5/8 OD TUBE	065230	*	000	CHG FIANL 2 CLAMPS TO 081782 6/3/14
+ELBOW-IN/OUT-PUMP-BIB-3/8-SS	065968	8	000	O-RING 016369
+TUBE-SILBRADE.375IDX.655OD	058028-17	2	000	PUMP 3 & 7
+TUBE-SILBRADE .375ID X .655OD	058028-25	6	000	

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
REGULATOR-CO2 0-60 PSI	066271-11	3	103	MANIFOLD-CO2
REGULATOR-CO2 0-100 PSI	066271-15	1	103	MANIFOLD-CO2
REGULATOR*C029*WATER-INLET	067805-03	1	103	
RELAY-START-COMPRESSOR	063041-1	1	103	
RELAY-SPST-30 A-120 V	032607-12	2	103	
RETAINER-SWITCH-SAFETY-IO	081123	1	000	S/N M4106929 & UP - PRIOR USE 065194-54
RETAINER-TUBE *C029* CLEANIN	066467	1	000	
SCREW-10X3/8 SLOTTED HEX WSHR	015582	18	000	
SCREW-8X1/4 SLTD HEX WASHER	009894	37	000	
SCREW-WING-1/4-20 X 3/4 LONG	066275	5	000	
SEAL-SHAFT*C029*MTR-SHAVER-IO	065194-18	*	000	USE X6519418SV KIT A.-SEAL SHAFT MOTOR C029
SENSOR-CUP*C029*	065194-33	1	103	
SENSOR A.-RINSE *C029*	X66383	1	103	
SWITCH-REED*DOOR INTERLOCK*60"	056249	1	103	RINSE SENSOR
SCREW-10X1/2 UNSLTD HWH	055389	3	000	
+SCREW-10-32X3/8 SLTD HEX	044617	4	000	
SENSOR-ICE-BIN	065194-53	*	103	N/A USE X80552 KIT A.-ICE-BIN-SENSOR
SHELF A.-SUPPORT-BIN *C029*	X67076	8	103	
SKIRT-UNIT*C029*ISLAND OASIS	065194-10	1	103	REPLACES X67462
SPEAKER-MICRO-MYLAR CONE	065333	1	000	
+SHIELD-GREASE-SPEAKER *C801*	071118	1	000	
+NUT-10-32 WHIZ FLANGE LOCK	079150	2	000	
STAND A.-BASKET *C029*	X66259	1	103	
STAND A.-PITCHER*C029*COMPLETE	X67390	1	103	S/N K905 & UP- REPLACES X66306
+STUD-CONE HOLDER *8756*HS*	036764	2	103	
+SCREW-WING-1/4-20 X 3/4 LONG	066275	1	000	
+WASHER-.281IDX1.00ODX.063	079754	1	000	
STRAINER A.-SINK *C029*	X66311	1	000	
STUD-CONE HOLDER	036764	8	103	FIT BRKT/COVERS
SUPPLY-POWER 60W 24VDC	068876	1	103	S/N M2052429 & UP
SUPPLY-POWER 60W 24DC	059313-12	*	103	S/N M2052428 & PRIOR
SUPPORT A.-PINCH VALVE *C029*	X67148	2	103	
SWITCH-PRESSURE *C029* WATER	066872-08	1	103	

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
SWITCH-PRESSURE	066271-10	1	103	MANIFOLD-CO2
SWITCH-REED*DOOR INTERLOCK*60"	056249	1	103	RINSE SENSOR
+SCREW-10X1/2 UNSLTD HWH	055389	3	000	
SWITCH-ROCKER DPST OFF-ON-20A	067961	1	103	
SWITCH-VACUUM-MIX-17" HG CO	068032	4	103	REPLACES 067112 AS OF K9104891 & UP
+KIT A.-CAP-SWITCH *C029*	X81638	1	103	(4 EA SWITCH CAPS & INSTRUCTION)
+CLIP-RETAINING-SW-SYR PRESSURE	048710	16	000	
+FITTING-SWITCH *C029* MIX/VAC	066870	8	000	067020
+FITTING-BAG*C029* FITMENT-MIX	066871	8	000	067019
+O-RING-1/2ID X 5/8 OD	017998	4	000	
+TUBE-PVC-CLR-1/2 ID-POLYSPRING	067199-11	2	000	R30320 TUBE-PVC-CLR-1/2 ID-POLYSPRI
+TUBE-PVC-CLR-1/2 ID-POLYSPRING	067199-14	2	000	R30320 TUBE-PVC-CLR-1/2 ID-POLYSPRI
+TUBE-PVC-CLR-1/2 ID-POLYSPRING	067199-18	2	000	R30320 TUBE-PVC-CLR-1/2 ID-POLYSPRI
+TUBE-PVC-CLR-1/2 ID-POLYSPRING	067199-24	2	000	R30320 TUBE-PVC-CLR-1/2 ID-POLYSPRI
+CLAMP-HOSE 13/16-STEPLESS EAR	062944	16	000	
+ELBOW-INLET-LIQUID-PUMP-BIB	065884	8	000	
+O-RING-9/16 OD X .103W	016369	8	000	
TEE-1/4S-COPPER	003949	2	000	
TEE-3/8S-COPPER	002403	1	000	
TEE-3/8S X 1/4S X 1/4S-COPPER	067071	1	000	
THUMBSCREW-SHAVER *C029* ICE	065194-6C	*	000	S/N M3107086 & PRIOR - U/D 233
TRANS.-CONT.-32VA 120/200/240V	054834	1	103	
TUBE A.-CLEANING *C029*	X66468	1	000	
CLAMP-HOSE-SNAP IT-11/16-13/16	042610	12	000	
RETAINER-TUBE *C029* CLEANING	066467	1	000	
TUBE-VINYL 1/2ID X 11/16 OD	R30335	4	000	
TUBE A.-MIX *C029* FLAVOR	X67449	1	103	*SPECIAL ORDER - VERIFY PART IS NEEDED
TUBE-DRAIN-INTERNAL - VINYL CLEAR 1.5	065194-52	1	000	DRAIN TUBE FROM ICE HOPPER
TUBE-NYLOBRADE 1/4ID X 7/16OD	020568-	*	000	USE R30317 - HOSE BEVERAGE
TUBE-NYLOBRADE 3/8IDX5/8OD	500038-	*	000	USE R30332 - TUBE-PVC
TUBE-PVC BRAIDED 3/8IDX5/8OD	R30332	12'	000	
TUBE-PVC-CLR-1/2 ID-POLYSPRING	067199-11	1	000	
TUBE-PVC-CLR-1/2 ID-POLYSPRING	067199-14	1	000	

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
TUBE-PVC-CLR-1/2 ID-POLYSPRING	067199-18	1	000	
TUBE-PVC-CLR-1/2 ID-POLYSPRING	067199-24	1	000	
TUBE-POLY-4MMOD X 2.5MMID X12"	065306-12	7	000	CO2 LINES
TUBE-POLY-4MMOD X 2.5MMID X40"	065306-40	1	000	C02 LINES
TUBE-POLY-3/8OD X 1/4ID-BLK	065335-53	1	000	CO2 IN - BLACK
TUBE-SILBRADE .375ID X .655OD	058028-25	6	000	*PINCH TUBES - MIX PUMP
TUBE-SILBRADE.375IDX.655OD	058028-17	2	000	*PINCH TUBES - PUMP 3 & 7
TUBE-VINYL 3/8 ID X 9/16 OD	R30315	20'	000	
TUBE-VINYL 1/2ID X 11/16 OD	R30335	34'	000	
TUBE-VINYL 3/4ID X 1"OD	R30336	6'	000	FROM IO UNIT TO DRAIN PAN Y FITTING
BUSHING-SNAP 1-3/8ID X 1-3/4OD	027712	1	000	
CLAMP-HOSE-SNAPIT-61/64-1-3/32	066740	1	000	
FITTING-Y-3/4BARBX1 BARB BASE	067811	1	000	REPLACES 067353 TEE
VALVE-ACCESS-1/4MFL X 3/8ODSDR	053565	2	103	LINE A.-ACCESS - EPR VALVE
VALVE-DUMP 9-4300-55775-1-004	066271-13	1	103	MANIFOLD-CO2
VALVE-EPR 1/4S	022665	1	103	S/N M1070287 QTY CHANGE FROM 2 TO 1
VALVE-INLET*C029*H2O-1IN 2OUT	067805-12	*	103	M0017282 & UP-ORDER INDIVIDUAL PARTS AS NEEDED
+COIL-VALVE*C029*SOLENOID-H20	066872-03	2	103	
+COUPLING-QD-CPC-WATER-INLET	067805-04	1	103	
+HOUSING-STRAINER-WATER-INLET	067805-02	1	103	
+ELEMENT-STRAINER-WATER-INLET	067805-01	1	103	
+REGULATOR*C029*WATER-INLET	067805-03	1	103	
+SWITCH-PRESSURE WATER	066872-08	1	103	
+VALVE-STEM-DRINK 5/64 ORIFICE	067805-06	1	103	5/64 ORIFICE - VALVE STEM AVAILABLE SEPARATELY
+VALVE-STEM-RINSE 5/32 ORIFICE	067805-05	1	103	5/32 ORIFICE - VALVE STEM AVAILABLE SEPARATELY
VALVE-INLET*C029*H2O-1IN 2OUT	066872-12	*	103	OLD VALVE S/N M0017281 & PRIOR
+COIL-VALVE*C029*SOLENOID-H20	066872-03	*	103	
+COUPLING-CPC WATER *C029*	065176	*	103	
+HOUSING-STRAINER-WATER-INLET	067805-02	*	103	
+ELEMENT-STRAINER-WATER-INLET	067805-01	*	103	
+REGULATOR-WATER *C029*	065173	*	103	
+SWITCH-PRESSURE *C029* WATER	066872-08	*	103	
+VALVE-STEM-DRINK 5/64 ORIFICE	067805-06	*	103	5/64 ORIFICE - VALVE STEM AVAILABLE SEPARATELY

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
+VALVE-STEM-RINSE 5/32 ORIFICE	067805-05	*	103	5/32 ORIFICE - VALVE STEM AVAILABLE SEPARATELY
VALVE-PINCH-W/TEE-CELCON/SS SP	069176	8	103	S/N M0017282 & UP S/B #2678
+PLATE-MOUNT-PINCH VALVE *C02	068099	1	103	S/N M1034341 & UP
+PLUG-PTC*C029* 5/32 DIA	067225	1	000	
+SCREW-10-32X3/8 SERRATED HWH	075985	16	000	
+TUBE-POLY-4MMOD X 2.5MMID X1	065306-12	7	000	CO2 LINES
+TUBE-POLY-4MMOD X 2.5MMID X4	065306-40	1	000	CO2 LINES
VALVE-SHUTOFF-1/4 BARB-PNL MNT	066071	8	103	BRACKET A.-TRAY
+ADAPTOR-SWV 1/4FFLX1/4 BARB-SS	016715	3	103	
+CLAMP-HOSE 15/32-STEPLESS EA	059755	28	000	
+ELBOW-CO2-PUMP-BIB-1/4 BARB	065981	8	103	
+HOSE-BEV.-.250IDX.438OD-100'	R30317	34'	000	
+LABEL-ON/OFF-CO2-PUMP-MIX	067444-003	1	000	(INCLUDES ALL 8 LABELS ON ONE SHEET)
VALVE-SOLENOID 7/64ORF X 1/4	043449-12	2	103	LINE A.-LIQUID - LINE A.-DISCHARGE *115V 60HZ 1PH*
WING-PLASTIC ROTARY-IO-C088	081576	1	103	USE X81576-SER KIT A.-WING ROTARY
+O-RING-1 OD X .103W	048148	1	000	
+NUT-SCRAMBLER *C088*	081579	1	103	
C02912H879 115V 60HZ 1PH A/C TECUMSEH (R404A) *CANADA*				
CHIP-SOFTWARE C029FC TS UVC4	X40628-SER	1	103	
DIAGRAM-WIRING *C029* DPS	067978-12C	1	000	
DISPENSER A.-CUP *C029* SING	X67827	1	103	
HOLDER-BOTTLE *C029* FRON	067813	1		
LABEL-DOOR-MOVE PART	032749-CAN	3	000	
LABEL-INSTALL *C029* BAG-	068110-CAN	8	000	
LABEL-MIX *C029*	067466-017	3	000	
LABEL-VALVE*C029*ACCESS	068156-CAN	1	000	
LABEL-WARN-COVER	051433-CAN	7	000	
LABEL-WARN-ELEC-SGL-SMALL-CA	032717-CAN	1	000	
LABEL-WATER CONN-BACKFLOW	059284-CAN	1	000	
MAN-OPER C029 FRENCH (CAN)	067214FCM	1	000	
PCB A.-CONTROL C029 FC UVC4	X69819-SER	1	212	PROGRAMED CONTROL
CONTROL-UVC4	X68114-SER	1	212	BASE BOARD NOT PROGRAMED

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
C02927LW00 208-230V 60HZ 1PH DANFOSS (R134A) ROHS COMPLIANT				
BLOCK-TERMINAL 2P L1,L2	039422	1	103	208-230V 60HZ 1PH
BRUSH-DRAW VALVE 1-1/2"OD	014753	1	000	
CHIP-SOFTWARE C029 TS UVC4	X40621-SER	1	103	
COMPRESSOR FR8.5G R134A	080096-27	1	512	
+CAPACITOR-START 80UF/220V	055953	1	103	
+RELAY-START-COMPRESSOR-NL	068393-27	1	103	
+KIT-MOUNTING-COMPRESSOR	047704	1	000	
CORD A.-POWER-230V-18/3-HDWIRE	065194-43	1	103	
DIAGRAM-WIRING *C029* DPS	067978-27	1	000	
DRYER-TWO CAP.TUBES	069899	1	000	
FILTER-FERRITE-BROADBAND	067321	*	000	ADDED S/N M2085875 & UP
HARNESS-CONTROL BX HV1 *C029	080118	1	103	
HARNESS-PINCH VLV LV1 *C029	069163	1	103	
HARNESS-WIRE*C029*HV2-8 FLAVOR	080079	1	103	
HARNESS-FILTER CTRL-50HZ,	081866	1	103	S/N M4106929 & UP
HARNESS-GROUND-FILTER-IO,	081926	1	103	S/N M4106929 & UP
HARNESS-GROUND-HEAT SINK-	081925	1	103	S/N M4106929 & UP
HOLDER-BOTTLE *C029* FRONT	067813	1	103	
KIT A.-BOARD-CIRCUIT*C029*DRIV	X6519441SV	1	212	
KIT A.-MOTOR BLENDER *C029*	X6519430SV	1	103	
KIT A.-MOTOR-SHAVER *C029*	X6519446SV	1	103	
LABEL-MIX *C029*	067466-014	3	000	C029-27 AND C029-40
LABEL-CAUTION-GRD-PERM-ENG/SP	032164	1	000	S/N M2052429 & UP - CHANGED WITH POWER SUPPLY 068876
LUG-GROUNDING 260 W/GR. SCREW	020928	1	000	
MANIFOLD-C02 *C029* COMPL	066271-27	*	103	ORDER INDIVIDUAL PARTS AS NEEDED
ELBOW-1/4 MFL X1/8MPT:	066271-8	3	103	
ELBOW-1/8 NPT:	066271-7	1	103	
ELBOW-5/32X1/8NPT	066271-9	1	103	
ELEMENT-FILTER*C029*90 MI	066271-17R	1	000	
FILTER-INLINE 1/4 NPT	066271-17	1	000	
FITTING-3/8 X 1/4MPT:	066271-6	1	103	
GAUGE-PRESSURE 0-100 PSI1	066271-5	1	103	

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
GAUGE-PRESSURE 0-60 PSI 1	066271-14	3	103	
PLUG-1/4 NPT-PARKER:	066271-4	1	103	
REGULATOR-CO2 0-100 PSI	066271-15	1	103	
REGULATOR-CO2 0-60 PSI	066271-11	3	103	
SWITCH-PRESSURE	066271-10	1	103	
VALVE-DUMP-230V 60HA 1 PH	066271-28	1	103	
MOTOR-BLENDER *C029* IO	065194-30	*	103	SEE KIT A.-MOTOR BLENDER X6519430SV
MOTOR-FAN 95.3 CFM 2700 RPM	062253-27	2	103	
MOTOR-FAN 9 WATT 1550RPM-	012768-27	1	103	
MOTOR-SHAVER*C029* IO 220-240V	065194-46	*	103	SEE KIT A.-MOTOR-SHAVER X6519446SV
PANEL-FRONT-NOTCHED-TM	081858	1	103	S/N M4106929 & UP - PRIOR USE 065194-20 - SEE 065194-33 CUP SENSOR
+CUP-SENSOR*C029*	065194-33	1	103	
+SCREW-2-65X3/16 PHL PAN SS	081859	4	000	
PITCHER A.-GUARD *C029*	083354-G	3	103	7/23/2014 REPLACED 065194-35G
+BRUSH-DRAW VALVE 1-1/2"OD	014753	1	000	U/D 233
RELAY-SPST-30 A-240 V	032607-27	2	103	
SUPPLY-POWER 60W 24VDC	068876	1	103	
SWITCH-PRESSURE 440 PSI-S	048230	1	103	
VALVE-INLET*C029*H2O-1IN	067805-27	*	103	ORDER INDIVIDUAL PARTS AS NEEDED
COIL-VALVE*C029* SOLENOID-H2	066872-14	2	103	
HOUSING-STRAINER-WATER-INLET	067805-02	1	103	
ELEMENT-STRAINER-WATER-INLET	067805-01	1	000	
REGULATOR*C029*WATER-INLET	067805-03	1	103	
SWITCH-PRESSURE *C029* WATER	066872-08	1	103	
VALVE-SOL *C029* WATER-RINSE	066872-05	1	103	
VALVE-SOL *C029* WATER-DRINK	066872-06	1	103	
VALVE-SOLENOID 7/64ORF X	043449-27	2	103	
C02927LW06 208-230V 60HZ 1PH DANFOSS (R134A) ROHS COMPLIANT BRAZIL - SIMILAR TO C02927LW00 WITH THE FOLLOWING EXCEPTIONS				
BLOCK-TERMINAL 2P L1,N	039421	1	103	
BRUSH-DRAW VALVE 1-1/2"OD	014753	1	000	
CHIP-SOFTWARE C029 TS PT	X40638-SER	1	103	

+ Available Separately, NNN = Not a Service Item, * See Remarks

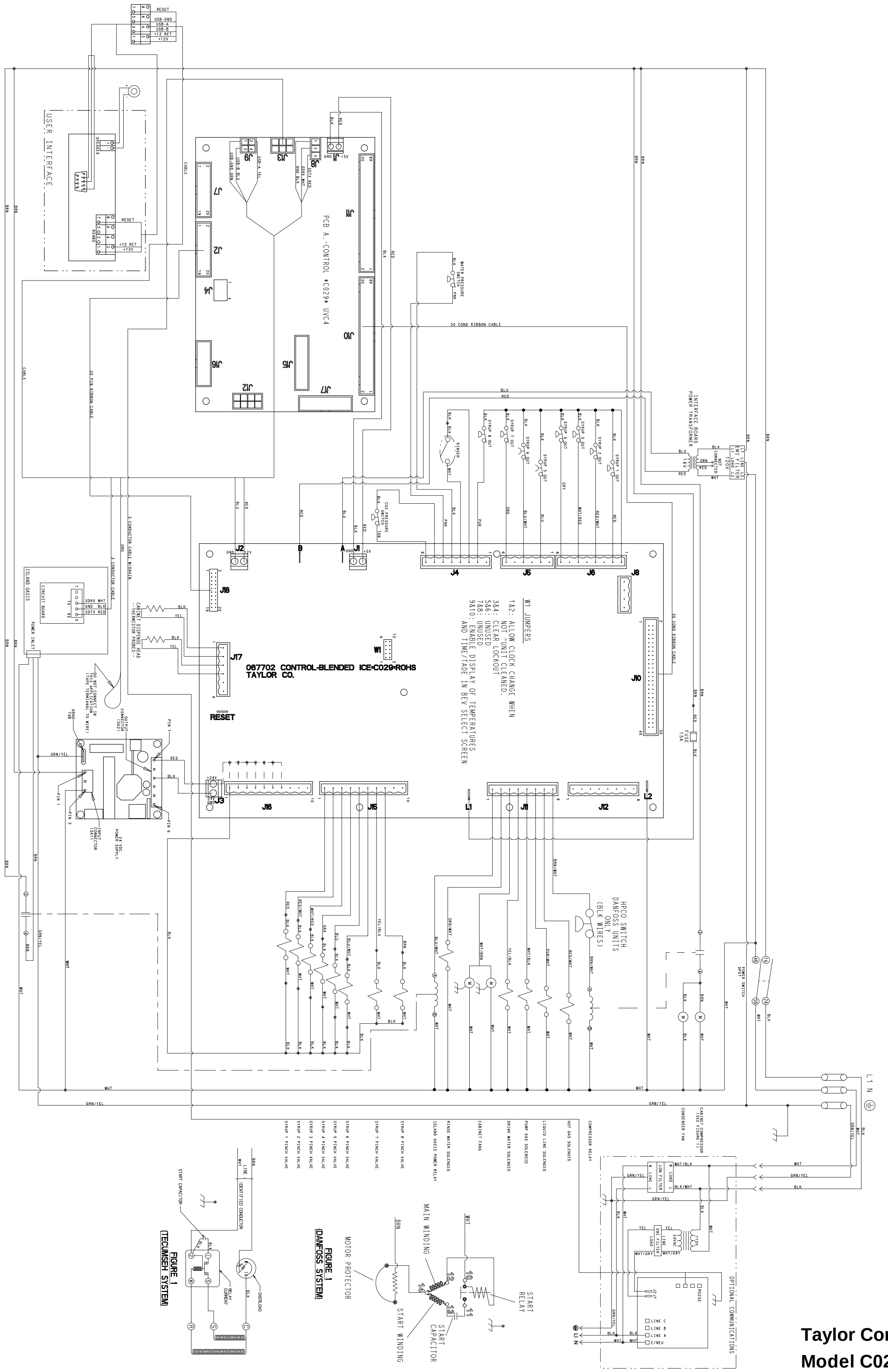
DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
LABEL-CAUTION-GRD-PERM-PT	032164-PS	1	000	
LABEL-DOOR-MOVE PART-PT/S	032749-PS	3	000	
LABEL-MIX *C029*	067466-009	1	000	
LABEL-WARN-COVER-PORTUGUE	051433-PT	7	000	
LABEL-WATER CONN-BACKFLOW	059284-PT	1	000	
LUG-GROUNDING 4-14GA WIRE	017667	1	000	
+SCREW-10-32X1/2 SERRATED HWH	020982	1	000	
+WASHER-#10 EXTERNAL TOOTH LOCK	002681	1	000	
+NUT-10-32 WHIZ FLANGE LOCKNUT	020983	1	000	
MAN-OPER C029 PORTUGUESE	067214PTM	1	000	
PCB A.-CONTROL *C029* BR UVC	X81737-SER	1	212	
PITCHER A.-GUARD *C029*	083354-G	2	103	S/N M4086032 & UP - REPLACES 065194-35G
+BRUSH-DRAW VALVE 1-1/2"OD	014753	1	000	U/D 233
C02940MW00 220-240V 50HZ 1PH DANFOSS (R404A) ROHS COMPLIANT				
BLOCK-TERMINAL 4 POLE GRE	080967	2	103	
BLOCK-TERMINAL 3 POLE GRE	080968	1	103	
PLATE-END TERMINAL BLOCK	080969	2	103	
RAIL-DIN	500187-2	1	103	
BRACKET A.-COMPRESSOR-CONENSER	X68258	1	103	
BRUSH-DRAW VALVE 1-1/2"OD	014753	1	000	
COMPRESSOR TL4.5CLX R404A	068250-40	1	512	
+CAPACITOR-START 60UF-220/275V	047703	1	103	
+RELAY-START	068251	1	103	
+KIT-MOUNTING-COMPRESSOR	047704	1	000	
CORD-POWER*1.5MM/16A/450/750 V	068168	1	103	
CORD A.-POWER-230V-18/3-HDWIRE	065194-43	1	103	
COVER A.-TERMINAL-COMPRESSOR	068252	1	103	
DIAGRAM-WIRING *C029* DPST SWT	067978-40	1	000	
FILTER-FERRITE-BROADBAND EMI-	067321	1	000	
HARNESS-CONTROL BX HV1	068949	1	103	
HARNESS-HV3 COMPRESSOR	068260	1	103	
HARNESS-PINCH VLV LV1	069163	1	103	
HARNESS-WIRE*C029*HV2-8 FLAVOR	068262	1	103	

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
KIT A.-BOARD-CIRCUIT*C029*DRIV	X6519441SV	1	212	
KIT A.-MOTOR BLENDER *C029*	X6519430SV	1	103	
KIT A.-MOTOR-SHAVER	X6519446SV	1	103	
LABEL-MIX *C029*	067466-014	3	000	
LABEL-VALVE*C029*ACCESS	067588	1	000	
LUG-GROUNDING 4-14GA WIRE	017667	1	000	
MANIFOLD-C02 *C029* COMPL	066271-40	1	103	
ELBOW-1/4 MFL X1/8MPT:	066271-8	3	103	
ELBOW-1/8 NPT:	066271-7	1	103	
ELBOW-5/32X1/8NPT	066271-9	1	103	
ELEMENT-FILTER*C029*90 MICRO	066271-17R	1	000	
FILTER-INLINE 1/4 NPT	066271-17	1	000	
FITTING-3/8 X 1/4MPT:	066271-6	1	103	
GAUGE-PRESSURE 0-100 PSI1/8N	066271-5	1	103	
GAUGE-PRESSURE 0-60 PSI 1/8N	066271-14	3	103	
PLUG-1/4 NPT-PARKER:	066271-4	1	103	
REGULATOR-CO2 0-100 PSI	066271-15	1	103	
REGULATOR-CO2 0-60 PSI	066271-11	3	103	
SWITCH-PRESSURE	066271-10	1	103	
VALVE-DUMP-240V 50HZ 1 PHASE	066271-18	1	103	
KIT A.-MOTOR-SHAVER	X6519446SV		103	
MOTOR-SHAVER (PREVIOUSLY 065194-46)	083071-27	*	103	USE X6519446SV KIT A.-MOTOR-SHAVER-IO
MOTOR-SHAVER 220-240V (PN CHG TO 083071-27)	065194-46	*	103	USE X6519446SV KIT A.-MOTOR-SHAVER-IO
MOTOR-BLENDER *C029* IO	065194-30	*	103	USE X6519430SV KIT A.-MOTOR BLENDER *C029*
MOTOR-FAN 9 WATT 1250RPM-	012768-44	1	103	
MOTOR-FAN 95.3 CFM 2700 RPM	062253-27	2	103	
PANEL-FRONT-NOTCHED-TM	081858	1	103	M4106929 & UP - PRIOR USE 065194-20 - SEE 065194-33 CUP SENSOR
+CUP-SENSOR*C029*	065194-33	1	103	
+SCREW-2-65X3/16 PHL PAN SS	081859	4	000	
PITCHER A.-GUARD *C029*	083354-G	2	103	S/N M4086032 & UP - REPLACES 065194-35G
+BRUSH-DRAW VALVE 1-1/2"OD	014753	1	000	U/D 233

+ Available Separately, NNN = Not a Service Item, * See Remarks

DESCRIPTION	PART NUMBER	QTY.	WARR. CLASS	REMARKS
PLUG-HOLE 7/8 DIA. BLACK	010077	1	000	
RELAY-SPST-30 A-240 V	032607-27	2	103	
SUPPLY-POWER 60W 24VDC	068876	1	103	S/N M1051524 & UP - PRIOR 059313-12
VALVE-INLET*C029*H2O-1IN 2OUT	067805-40	1	103	
VALVE-SOLENOID 7/64ORF X 1/4S	043449-27	2	103	
C02940MW51 - 220-240V 50HZ 1PH - DANFOSS (R404A) ROHS COMPLIANT *AUSTRALIA*				
CHIP-SOFTWARE C029AU TS UVC4	X40620-SER	1	103	
DOOR A.-CART *C029* HINGE	X66292-L	1	103	
ICE HOPPER A.	X69632	1	103	
LABEL-MIX *C029*	067466-018	3	000	S/N M5107027 & UP - SOFTWARE REV. K
MAN-OPER C029 AUSTRALIA	067214AU	1	000	
PCB A.-CONTROL *C029* AU UVC4	X69281-SER	1	212	
PITCHER A.-GUARD *C029*	083354-G	2	103	S/N M4086032 & UP - REPLACES 065194-35G
+BRUSH-DRAW VALVE 1-1/2"OD	014753	1	000	U/D 233



Taylor Company
Model C029
067978-12C
10/15