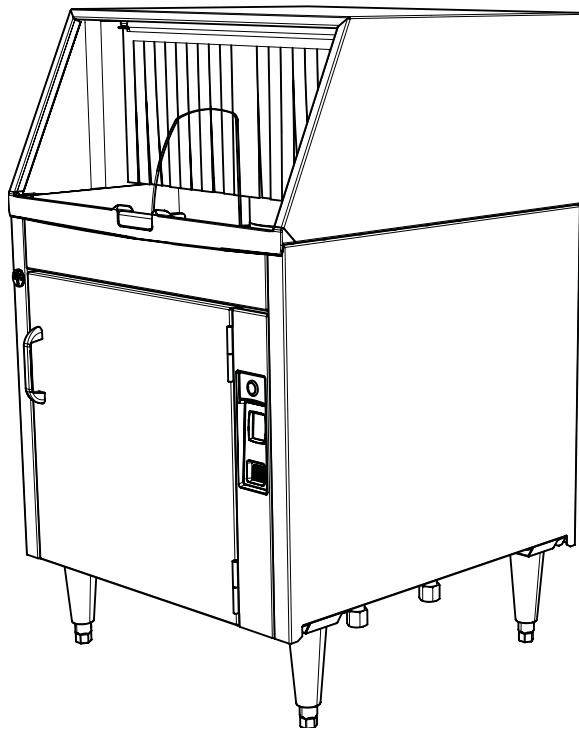




Installation/Operation and Service Parts Manual



Revolution
Rotary-type
Conveyor Glasswasher

Model:

DF M8.2
Clockwise Rotation

For machines beginning with G260230568

Manual P/N 0515255 rev. E

Issue Date: 04-01-2026



Moyer Diebel Limited
2674 N. Service Road, Jordan Station
Ontario, Canada L0R 1S0
(905) 562-4195 Fax: (905) 562-4618
Toll-free: (800) 263-5798
Email: service@moyerdiebellimited.com

Champion Industries
3765 Champion Boulevard
Winston-Salem, NC 27105
(336) 661-1992 Fax: (336) 661-1660
Toll-free: (800) 858-4477
Email: service@championindustries.com



REGISTER YOUR PRODUCT TO ACTIVATE YOUR WARRANTY.

Two ways to register:

- Visit our website at:
<http://www.moyerdiebel.com/service/> for the USA
<http://www.championindustries.com/warranty-registration> for Canada
- Use the FAX FORM below.

PRODUCT REGISTRATION CARD	
Model	Serial #
Date of Installation: ____/____/____	
Company Name: _____	
Address: _____ (Street) State/Province Zip/Postal Code	
Telephone #: () _____ --- _____	
Contact: _____	
Installation Company: _____	
Address: _____	
Telephone #: _____	
Contact: _____	
FAILURE TO REGISTER YOUR PRODUCT MAY VOID YOUR WARRANTY	
IMPORTANT IMPORTANT	

FAX TO: **(336) 661-1660 in the USA**
 1-(800) 204-0109 in Canada

 National Service Department	
In Canada: Toll-free: 800/ 263-5798 Tel: 905/ 562-4195 Fax: 905/ 562-4618 email: service@moyerdiebellimited.com	In the USA: Toll-free: 800/ 858-4477 Tel: 336/ 661-1992 Fax: 336/ 661-1660 email: service@moyerdiebel.com

ATTENTION:
The glasswasher model no., serial no.
and voltage are needed to identify
your machine and to answer questions.

Please have this information on-hand
if you call for service assistance.

Limited Warranty

Moyer Diebel Limited (herein referred to as Moyer Diebel, 2674 North Service Road, Jordan Station, Ontario, L0R 1S0 and 3765 Champion Blvd., Winston-Salem, NC 27105) warrants machines, and parts, as set out below.

WARRANTY OF MACHINES: Moyer Diebel warrants all new machines of its manufacture bearing the name Champion, Moyer Diebel and/or Nexus and installed within the United States and Canada to be free from defects in material and workmanship for a period of one (1) year after the date of installation or fifteen (15) months after the date of shipment by Moyer Diebel, whichever occurs first. Products shipped outside of United States and Canada do not have warranty. The warranty registration card must be returned to Moyer Diebel within ten (10) days after installation. Warranty registration must be submitted to Moyer Diebel within ten (10) days after installation either online on the Moyer Diebel website (<http://www.moyerdiebel.com/service/>) for the USA or <http://www.championindustries.com/warranty-registration> for Canada or by fax on the form provided in the front of this manual if warranty card is not returned to Moyer Diebel within such period, the warranty will expire after one year from the date of shipment. Moyer Diebel will not assume any responsibility for extra costs for installation in any area where there are jurisdictional problems with local trades or unions. If a defect in workmanship or material is found to exist within the warranty period, Moyer Diebel, at its election, will either repair or replace the defective parts, machine or accept return of the machine for full credit. In the event that Moyer Diebel elects to repair, the labour and work to be performed in connection with the warranty shall be done by a Moyer Diebel "Authorized Service Agent" during regular working hours and will be covered at normal rates and any additional overtime rate will be at the responsibility of the equipment purchaser. Warranty is covered up to 50 miles or 80 km's of travel from a Moyer Diebel authorized service technician. If travel exceeds 50 miles or 80 km's, then the end user will be responsible for additional travel expense. Service calls initiated under warranty that are found to not contain any defects in materials or workmanship, will not be covered by Moyer Diebel. Defective parts become the property of Moyer Diebel. Use of non OEM replacement parts not authorized by Moyer Diebel will relieve Moyer Diebel of all liability in connection with its warranty. In no event will Moyer Diebel's warranty obligation exceed Moyer Diebel's charge for the machine. Models that come with a factory paid start-up will be limited to one visit. Machines found to have issues related to installation procedures, or delays of any kind, will not be covered by Moyer Diebel and the sole responsibility of the equipment purchaser.

The following are not covered by Moyer Diebel's warranty:

- a. Element tubes and/or squeeze tubes.
- b. Vacuum breakers.
- c. Replacement of fuses or resetting of overload breakers, or high limits.
- d. Adjustment of thermostats, or temperature controlling devices.
- e. Adjustment of clutches.
- f. Adjustments of water pressure(s).

- g. Adjustments of chemical pumps.
- h. Opening or closing of utility supply valves or switching of electrical supply current.
- i. Cleaning of valves, strainers, screens, nozzles, or spray pipes.
- j. Performance of regular maintenance and cleaning as outlined in operator's guide.
- k. Damages resulting from water conditions, accidents, alterations, improper use, abuse, tampering, improper installation, low voltage conditions, inadequate wiring, outdoor use, or failure to follow maintenance and operation procedures.
- l. Wear on Pulper cutter blocks, pulse vanes, and auger brush.
- m. Damages due to improper storage.
- n. Special installations or applications, including remote locations, are limited in coverage by this warranty. Any installation that requires extra work, and/or travel, to gain access to the unit for service is the sole responsibility of the equipment purchaser.

Examples of the defects not covered by warranty include, but are not limited to:

1. Damage to the exterior or interior finish as a result of the above.
2. Use with utility service other than that designated on the rating plate.
3. Improper connection to utility service.
4. Inadequate or excessive water pressure.
5. Corrosion from foreign materials, water supplies, improper chemicals, or chemicals dispensed in excess of recommended concentrations.
6. Failure of electrical components due to connection of chemical dispensing equipment installed by others.
7. Leaks or damage resulting from such leaks caused by water quality, or the installer, including machine table connections or by connection of chemical dispensing equipment installed by others.
8. Failure to comply with all local building codes.
9. Damage caused by labor dispute.

WARRANTY OF PARTS: Moyer Diebel warrants all new machine parts produced or authorized by Moyer Diebel to be free from defects in material and workmanship for a period of 90 days from date of invoice. If any defect in material and workmanship is found to exist within the warranty period, Moyer Diebel will replace the defective part without charge.

DISCLAIMER OF WARRANTIES AND LIMITATIONS OF LIABILITY. MOYER DIEBEL'S WARRANTY IS ONLY TO THE EXTENT REFLECTED ABOVE. MOYER DIEBEL MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY, OR FITNESS OF PURPOSE. MOYER DIEBEL SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. THE REMEDIES SET OUT ABOVE ARE THE EXCLUSIVE REMEDIES FOR ANY DEFECTS FOUND TO EXIST IN MOYER DIEBEL DISHWASHING MACHINES AND MOYER DIEBEL PARTS, AND ALL OTHER REMEDIES ARE EXCLUDED, INCLUDING ANY LIABILITY FOR INCIDENTALS OR CONSEQUENTIAL DAMAGES. *Moyer Diebel does not authorize any other person, including persons who deal in Moyer Diebel dishwashing machines, to change this warranty or create any other obligation in connection with Moyer Diebel Limited dishwashing machines.*

Revision History

Specifications are subject to change based on continual product improvement.

Rev	Revision Date	Revised Pages	Serial Number Effective	Revision Description
A	2/20/2026	all	G260230568	Released to production.
B	2/28/2026	all	G260230568	Update fault screens.
C	3/17/2026	all	G260230568	Assembly changes from pages 31 to 61.
D	4/14/2026	39	G260330669	Wash pump revised.
E	5/26/2026	61	G260230568	Added drain kit.
E	5/26/2026	24	G260230568	Added to trouble shooting for pressure transducer.

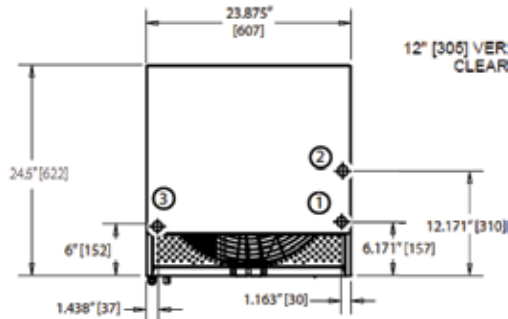
230 Volt Model Specifications Sheet



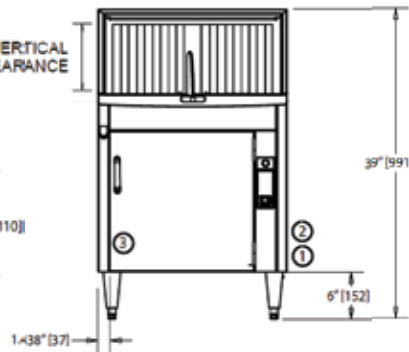
DF Revolution

Rotary Type Fully Automatic
Glasswashing Machine

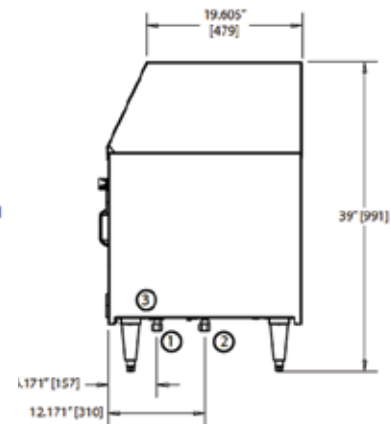
Dimensions shown in inches and [millimeters]



Plan View



Front View



Side View

UTILITIES

	Electrical 230/60/1, 15amp breaker
1	Hot water connection 1/2" [13] IPS. Flow pressure 25-95 psi [172.5-656 kPa]
2	Cold water connection 1/2" [13] IPS. Flow pressure 25-95 psi [172.5-656 kPa]
3	Drain connection 1-1/2" [38] tailpiece. GRAVITY FLOOR DRAIN. Connect to drain size according to local plumbing code.

NOTE: DF Models supplied with 6 ft. [1829] plug in cord. (NEMA 6-15P)

Warning: Plumbing and electrical connections must be made by qualified personnel who will observe all the applicable plumbing, sanitary and safety codes.

	Uncrated	Crated
Height	39" [991]	46-1/2" [1181]
Width	23-7/8" [607]	27" [685]
Depth	24-1/2" [622]	27-1/2" [698]
Ship Wt. lbs/kg	156/71	176/80
* Adjustable foot height - 1 1/4" [45]		

Moyer Diebel – Canada

2674 N. Service Rd, Jordan Station, Ontario, Canada L0R 1S0
(800) 263-5798 • Fax: (905) 562-5422
mdlcanada.com • sales@moyerdiebellimited.com

Moyer Diebel – USA

3765 Champion Blvd., Winston-Salem NC 27105
(800) 228-8350 • Fax: (336) 661-1979
moyerdiebel.com • info@moyerdiebel.com

TECHNICAL SPECIFICATIONS

Capacity (hr.) 2-1/2" [64] glasses	1200
Water Consumption Cold water (approx.)	6.06 l/m 1.6 US gpm
Hot water (initial fill)	11.35 liters 3 US gallons
Max use (approx.)	45.42 liters/h 12 US gph
Temperatures Inlet water (hot)	61-69°C 140-160°F
Inlet water (cold)	24°C 75°F
Heating Tank heat, electric	3 kW
Conveyor Movement	Clockwise

* Due to an ongoing value analysis program at Moyer Diebel, specifications in this catalog are subject to change without notice

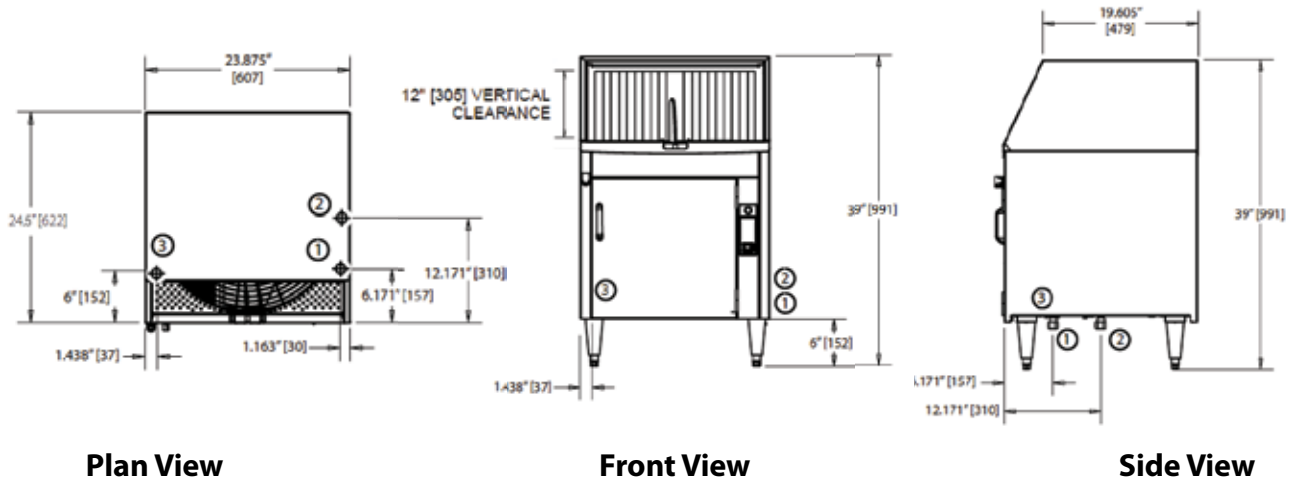
115 Volt Model Specifications Sheet



DF Revolution

Rotary Type Fully Automatic
Glasswashing Machine

Dimensions shown in inches and [millimeters]



UTILITIES

	Electrical 115/60/1, 15amp breaker
1	Hot water connection 1/2" [13] IPS. Flow pressure 25-95 psi [172.5-656 kPa]
2	Cold water connection 1/2" [13] IPS. Flow pressure 25-95 psi [172.5-656 kPa]
3	Drain connection 1-1/2" [38] tailpiece. GRAVITY FLOOR DRAIN. Connect to drain size according to local plumbing code.

NOTE: DF Models supplied with 6 ft. [1829] plug in cord. (NEMA 5-15P)

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Ship Wt. lbs/kg	156/71	176/80
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TECHNICAL SPECIFICATIONS

Capacity (hr.)

2-1/2" [64] glasses 1000

Water Consumption

Cold water (approx.) 6.06 l/m
1.6 US gpm

Hot water (initial fill) 11.35 liters
3 US gallons

Max use (approx.) 45.42 liters/h
12 US gph

Temperatures

Inlet water (hot) 61-69°C
140-160°F

Inlet water (cold) 24°C
75°F

Heating

Tank heat, electric 750W

Conveyor Movement

Clockwise

* Due to an ongoing value analysis program at Moyer Diebel, specifications in this catalog are subject to change without notice

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READ ME!

Utilities:

Before installing a new model or removing an old one, disconnect all utilities to ensure safety



Pinch points:

This equipment contains moving components that may create pinch points during operation. Keep hands, fingers, tools, and loose clothing away from all moving parts. Do not reach into the machine while it is running.



Chemical squeeze tubes:

Replace chemical squeeze tubes every six months to prevent potential sanitation issues/ breaking and leaking.

Do not use foaming agents (such as dish soap) or any other non-approved cleaners in the glasswasher.



Chemical selections:

Consult your chemical supplier for all chemical requirements and to ensure the correct chemicals are selected for your wash application.



Washing non-glassware

This unit is a glasswasher by design and certification. While effective at sanitizing, it is not intended to function as a general-purpose warewasher.

Glassware, along with reusable items such as plastic pitchers, cups and mugs may be washed in the glasswasher. We do not recommend washing light or disposable plastic items, cutting boards, plates, utensils, and other non-glass dishware as it may result in sub-optimal performance or damage and is the responsibility of the user.

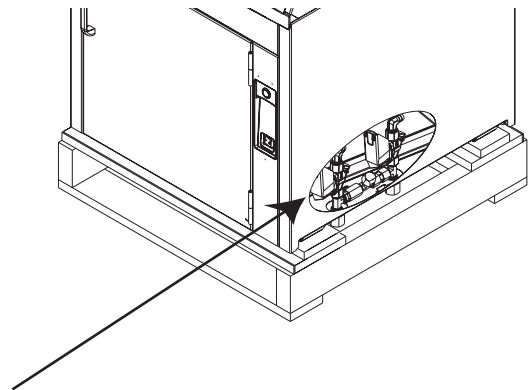


Unpacking

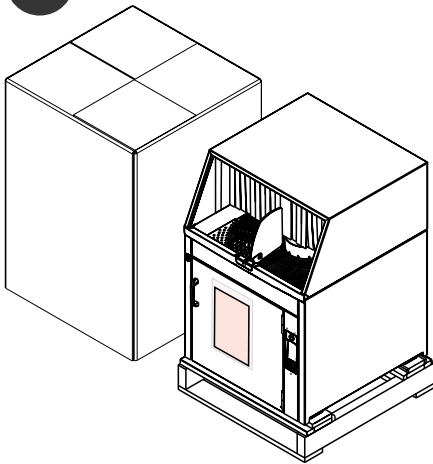


CAUTION:

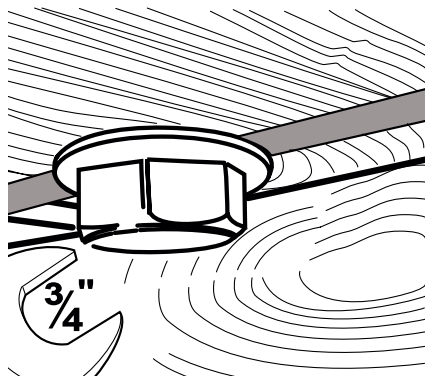
The glasswasher water inlet plumbing and the drain piping are extended below the pallet. Use extreme care when moving the glasswasher to prevent damage to the glasswasher plumbing.



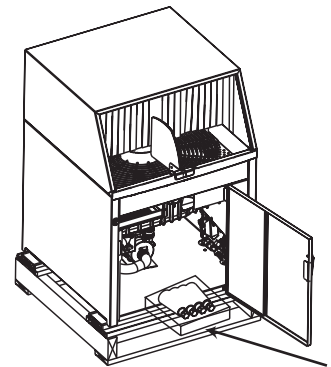
1 Un-box the machine.



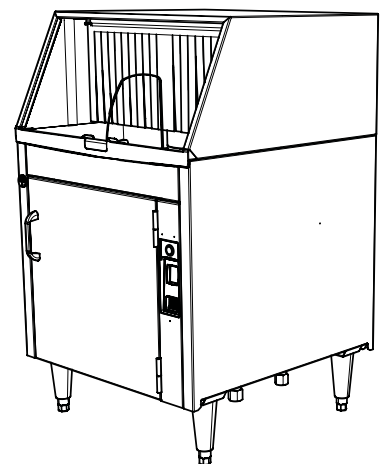
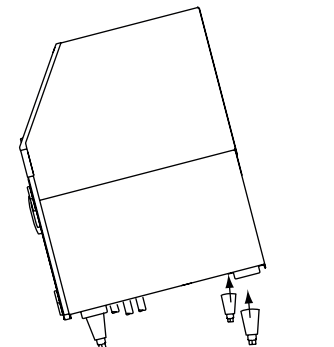
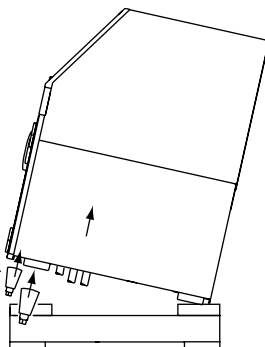
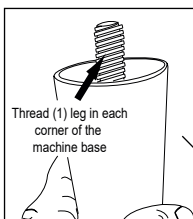
2 Remove 2 bolts holding the glass-washer to the pallet.



3 Open the door and remove the box marked "LEGS".



4 Tilt the machine to install legs.



NOTICE

The dishwasher must be installed by a qualified technician familiar with food service equipment according to all local electrical, plumbing, health, and safety codes. If no local codes apply, follow national standards, including:

- NFPA 70 – National Electrical Code (USA)
- Canadian Electrical Code (CEC)
- NFPA 96 – Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations

In Canada, NFPA 96 is referenced by both the National Building Code of Canada (NBC) and the National Fire Code of Canada (NFC).

Plumbing connections must be made BEFORE electrical installation begins. Damage may occur if power is turned on without adequate water supply.

All plumbing and electrical connections must be made by qualified installers familiar with food service equipment in accordance with all local plumbing and electrical codes.

All plumbing and electrical connections must be positioned to allow the unit to be removable for service and cleaning.



DANGER

The electrical power supplied to this machine is an potential hazard that could result in severe bodily injury or death if not properly installed or hooked up correctly. When working in the control box or on electrical parts, always disconnect power and lockout/tagout before servicing. Replace cover to control box and other protective covers when finished servicing this equipment.



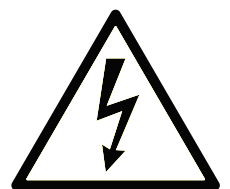
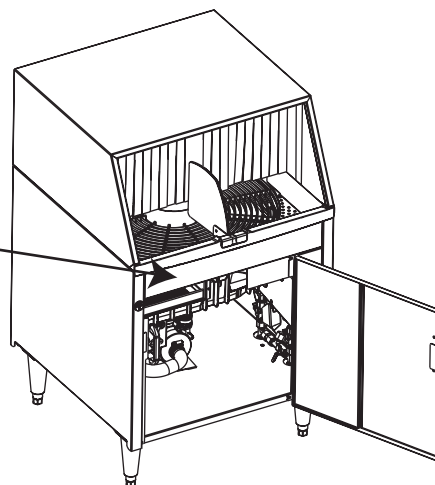
WARNING

Moyer does not endorse use of on-demand (tankless) water heating systems, as well as PEX and other plumbing materials that may limit water flow, as these could impair machine performance. For optimal results, we recommend using appropriately sized conventional hot water tanks and standard copper water supply lines that adhere to our specifications (**see page 5**). Not following these recommendations may void the manufacturer's warranty.

BEFORE STARTING/POWERING UNIT

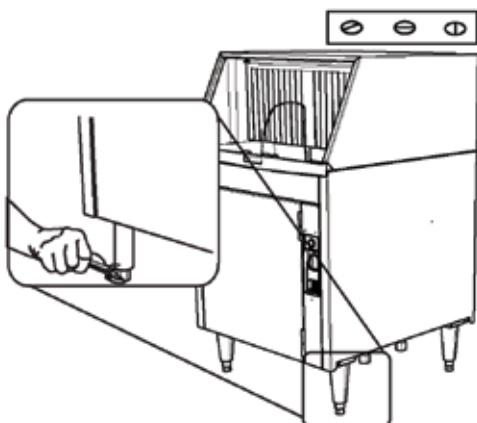
Read your machine data plate to confirm electrical rating before installation.

GLASS WASHER
MODEL NO: — — — . — — — .
SERIAL NO: — — — . — — — .
PHASE:
VOLTAGE:

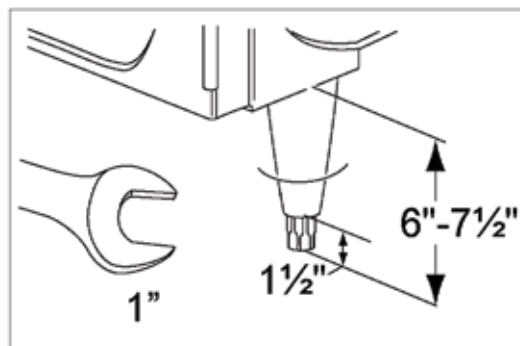


Installation

1 Adjustments:



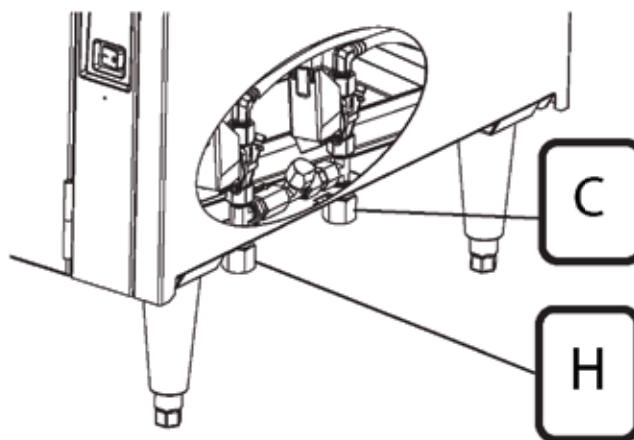
- Place glasswasher in permanent location.
- Level glasswasher with 4 leveling feet.
- Level side to side, and front to back.



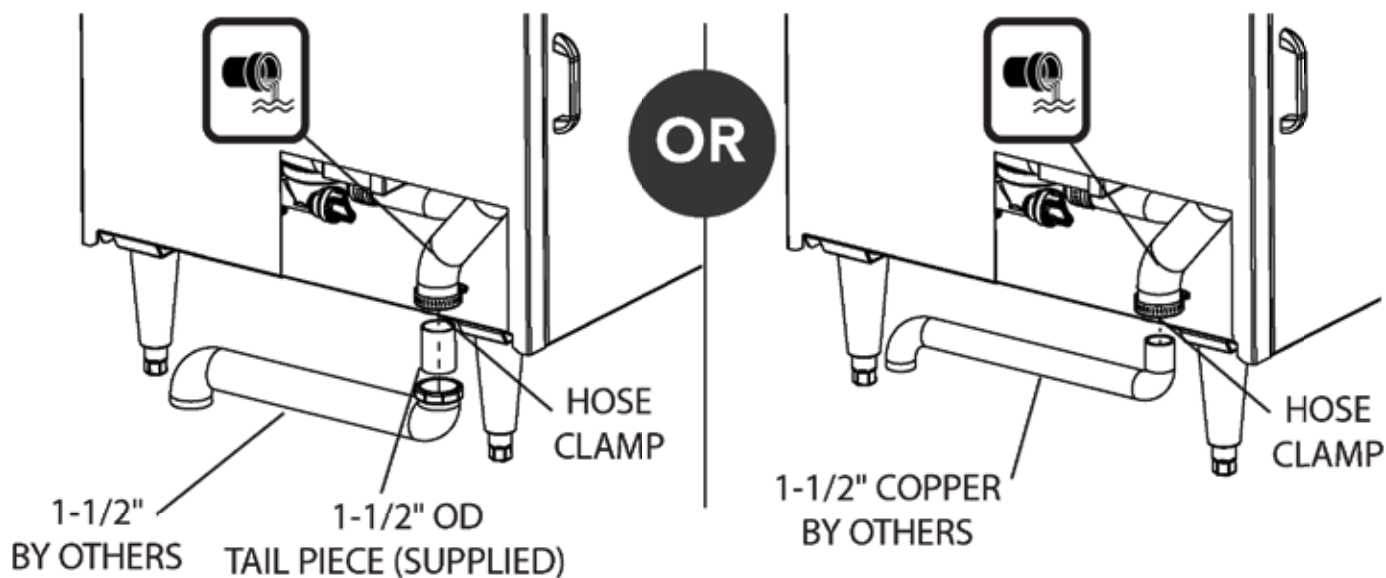
2 Connect water lines:



Ensure water temperature and pressure meet the MINIMUM requirements as listed on the next page.



3 Connect the drain:



NOTICE

Water Supply Connection

The water supply must be completely flushed before connecting to the dishwasher to remove any foreign debris, such as metal fragments from cutting or threading, pipe joint compound, and any solder residue. The manufacturer is not responsible for any damage to machine components caused by debris, and any related repair costs are not covered under warranty.



HOT WATER CONNECTION:

140-160°F/60-71°C

1/2" IPS

Flow Pressure 25-95 PSI [173-655 kPa] Install water shut-off valves and check-valves in the water inlet supply lines as close to the machine as possible and minimum 1/2" water supply must be used.



A water hardness of 3 grains/gal (US) [5.3 mg/L] or less is recommended. Excessively hard water will negatively impact wash results. Water treatment is recommended.



COLD WATER CONNECTION:

75°F/24°C

1/2" IPS

Flow Pressure 25-95 PSI [173-655 kPa] Install water shut-off valves and check-valves in the water inlet supply lines as close to the machine as possible.



DRAIN CONNECTION:

Gravity 1-1/2" Tailpiece

Floor drain only

Do not modify internal machine plumbing

Gravity drain only

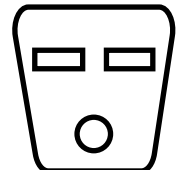


230 Volt Model

ELECTRIC CONNECTION:

230VAC/60Hz/1PH

6ft./1.5m flexible cord and plug
supplied NEMA 6-15P

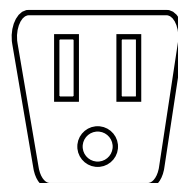


115 Volt Model

ELECTRIC CONNECTION:

115VAC/60Hz/1PH

6ft./1.5m flexible cord and plug
supplied NEMA 5-15P



Start up

Chemicals



WARNING



WARNING



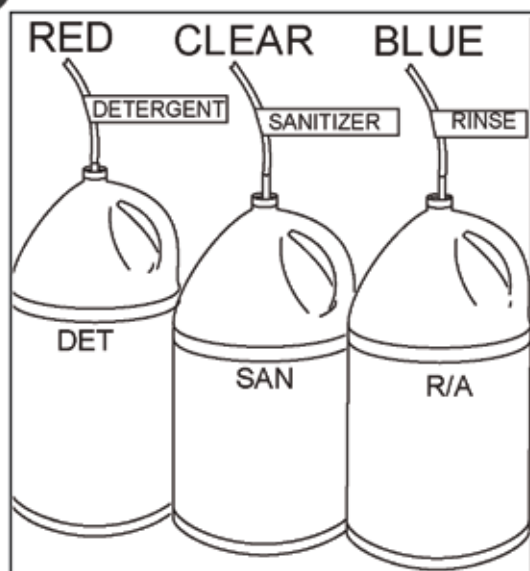
See chemical manufacturer's SDS sheets for safe practices.

Always wear appropriate personal protective equipment (PPE) when handling chemicals

CONSULT A QUALIFIED CHEMICAL REPRESENTATIVE TRAINED IN THE USE OF THE TEST EQUIPMENT
REQUIRED FOR TAKING SAMPLES AND PERFORMING ADJUSTMENTS.

There are two (2) sanitizing options, please review carefully.

1



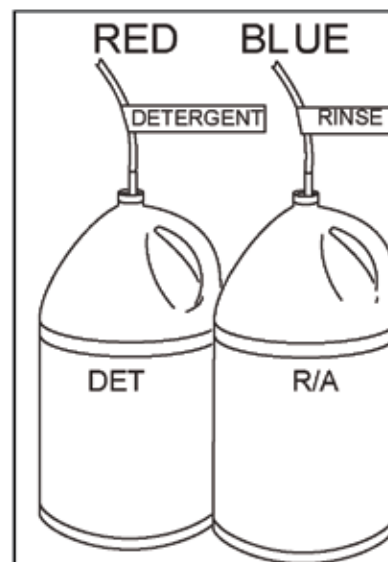
Detergent - Use a commercial grade non-chlorinated detergent specifically made for glasswashers.

Sanitizer - Sodium hypochlorite (chlorine bleach). Concentration must be checked using test strips to make sure the proper concentration is maintained to local requirement.

Rinse-aid - Consult your chemical supplier for the proper type of rinse-aid to use in the glasswasher.

OR

2



Detergent - Use a commercial grade non-chlorinated detergent specifically made for glasswashers.

Iodine based Iodophor (R/A)-formulated with a rinse agent, concentration must be checked using test strips to make sure the proper concentration is maintained to local requirement.

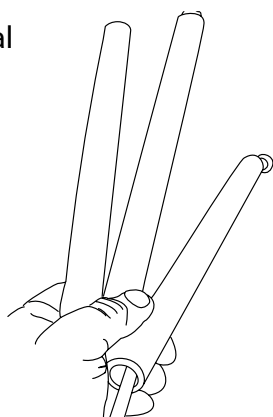
Sanitizer pump must be set to zero (0), please refer to page 10 for instructions.

Store away the sanitizer line when using the Iodine option.

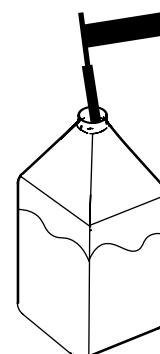
WARNING PPE MUST BE WORN. 

How to install chemical tubes

- 1 Locate chemical pick-up tubes.



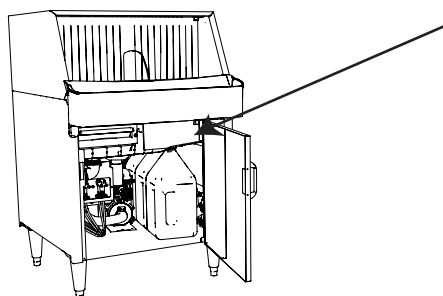
- 2 Place pick up tubes into their respective supply containers.



REFER TO PAGE 6

- 3 Stow the supply containers in the lower compartment as shown to the right.

If stored remotely, store at floor level and do not elevate above chemical pumps.



NOTICE



Chemical injector replacement requirements:

Squeeze tube must be replaced every 6 months.

Do not use any foaming detergent:

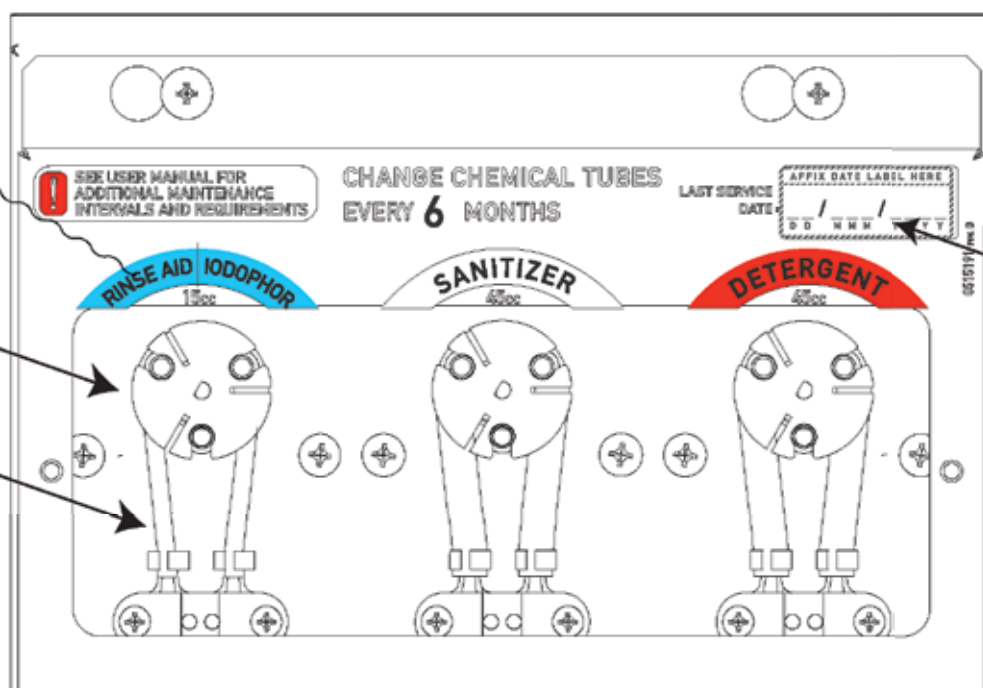
Please consult your chemical supplier before using any cleaning agent. Use non foaming cleaning agents. Please refrain from using ANY residential cleaning agents.

Chemical pump overview:

**Iodine based
Iodophor
(R/A)**

Rotors

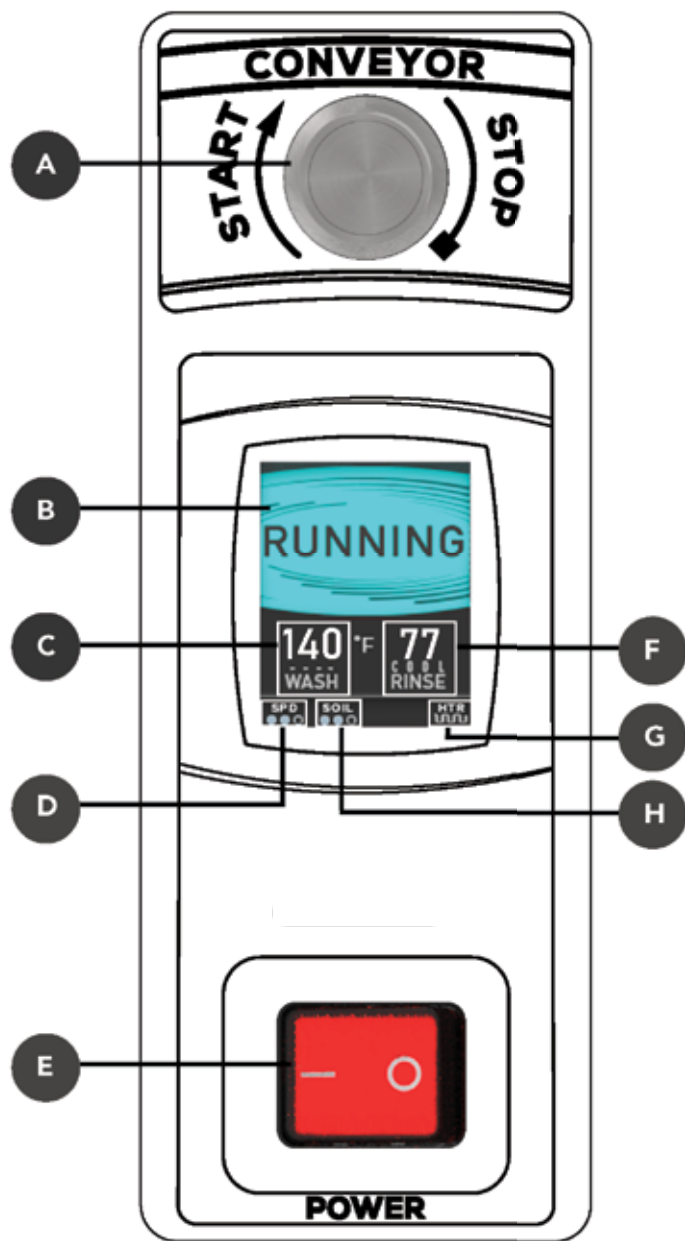
Squeeze tube



Service date
label must
be noted
upon install.

Start up

Main control panel



A. START/STOP Switch-is used to operate the conveyor and navigate through the menu system.

B. LCD Screen-used to display operating information and menu system.

C. WASH-Temperature of the water in the wash tank.

D. SPD- Rotational speed of conveyor. (SEE PAGE 23 FOR SETTINGS.)

E. POWER-Switch ON/Filling- OFF/Draining.

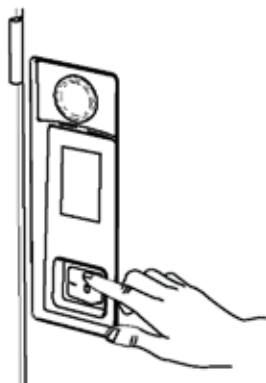
F. COOL RINSE -Temperature of final rinse water.

G. HTR- indicates if heater is ON.

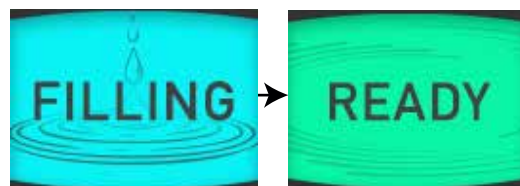
H. SOIL- is rate that water is exchanged.(SEE PAGE 23 FOR SETTINGS.)

Starting your machine

- 1 Power on machine to start fill cycle.

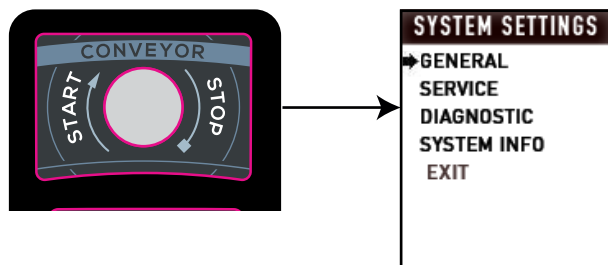


- 2 Machine will auto fill, when complete, "READY" screen will appear.



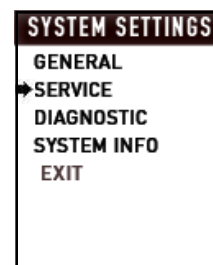
! Conveyor must be stopped in order to prime chemicals.

- 1** Push and hold the **"START/STOP"** button until the **"SYSTEM SETTINGS"** appears.



- 2** Tap the **"START/STOP"** to select **"SERVICE"**.

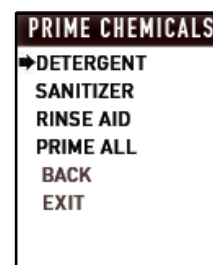
Push and hold the **"START/STOP"** until the **"SERVICE MENU"** appears.



- 3** Push and hold the **"START/STOP"** until the **"PRIME CHEMICALS"** appears.



- 4** Tap the **"START/STOP"** to select **"PRIME ALL"**. Push and hold until the **"PRIME ALL SCREEN"** appears.



- 5** Push and hold the **"START/STOP"** to start priming chemicals and release.



Please allow 50 seconds to fully prime all lines.

Note use **"BACK"** function to revert back to **"READY"** screen for machine



- 6** Turn machine off. Allow AUTO drain to finish, when complete, turn on and wait for ready screen to appear.



Start up

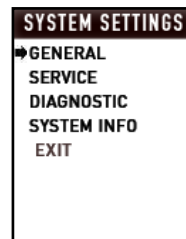
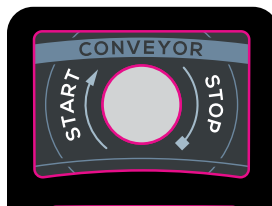
Chemical settings



NOTICE

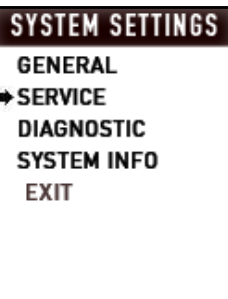
Consult a qualified chemical representative to set chemical concentration. A chemical's formulation and strength vary depending on the chemical supplier; chemical concentration is set according to the local requirements and conditions. A qualified chemical supplier should supply liquid detergent, sanitizer and rinse-aid for the glasswasher. The glasswasher manufacturer does not sell glassware washing chemicals.

- 1 Push and hold the **"START/STOP"** button until the **"SYSTEM SETTINGS"** screen appears.



- 2 Tap the **"START/STOP"** to select **"SERVICE"**.

Push and hold the **"START/STOP"** until the **"SERVICE MENU"** appears.



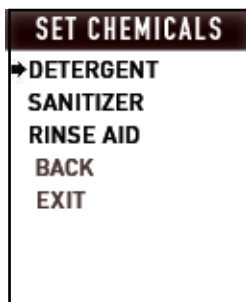
- 3 Tap the **"START/STOP"** to select **"SET CHEMICALS"**.

Push and hold the **"START/STOP"** until the **"SET CHEMICALS"** appears.



- 4 Tap the **"START/STOP"** to select the desired chemical.

Push and hold the **"START/STOP"** until set screen appears.



- 5 Tap the **"START/STOP"** to change the value.

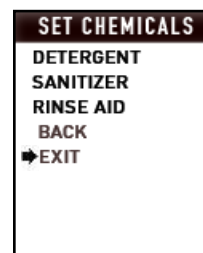
The setting can be set from 0 to 20.

Tap to cycle through options and press and hold for 3 seconds to SET.



- 6 Repeat for other chemicals as required.

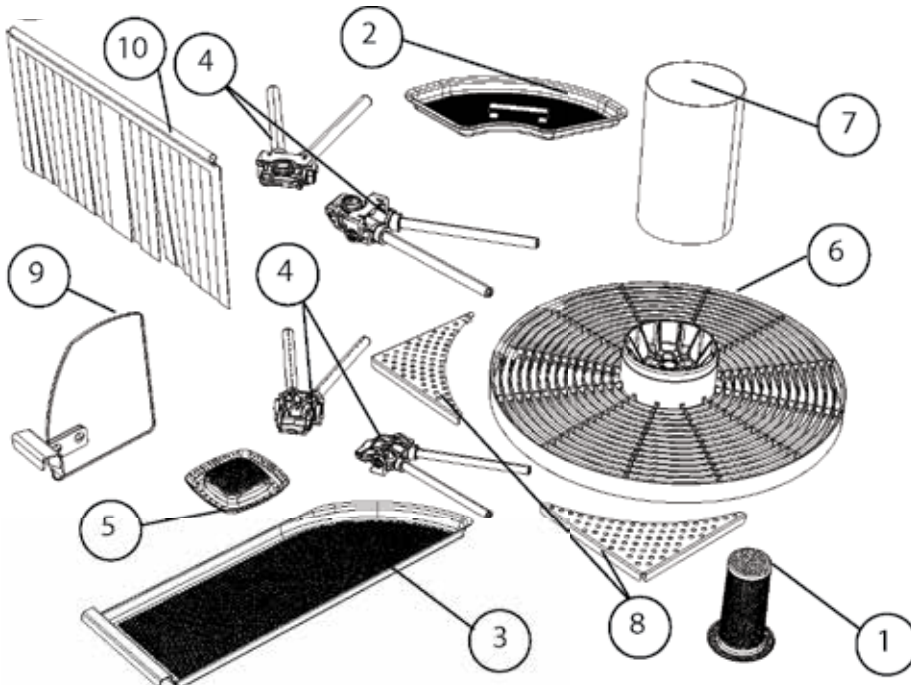
When completed, use **"BACK"** function to revert back to the previous page. OR use the **"EXIT"** function to get back to the **"READY"** screen for machine operation. Restart machine for chemical concentration to take into effect.



Operating instructions

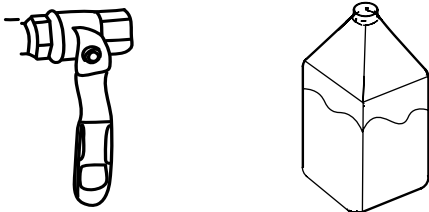
Daily start up

- 1** Ensure all components are installed into machine.

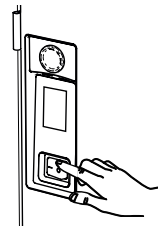


1. Pump suction screen
2. Wash tank screen
3. Scrap screen
4. Wash and rinse arms
5. Rinse drain screen
6. Conveyor
7. Center hub
8. Conveyor Tray
9. Curtain
10. Divider

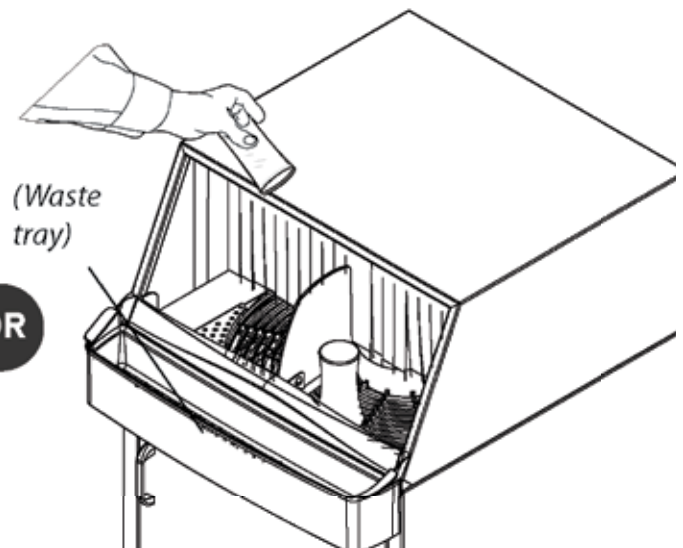
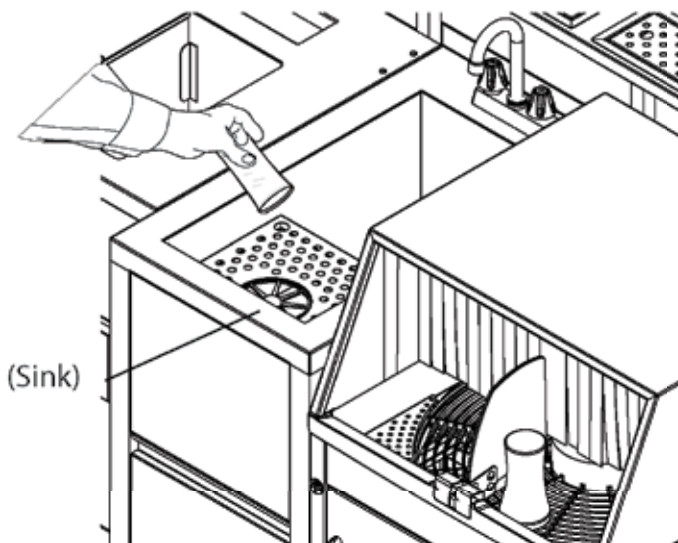
- 2** Check water supply is turned on and check if sufficient chemical is in chemical jugs.



- 3** Turn machine on and wait for the ready screen to appear.



- 4** Use a sink or Waste Tray (if equipped), to empty all debris from glassware then load into machine.

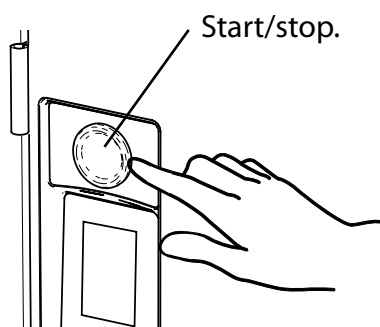


OR

Operations instructions

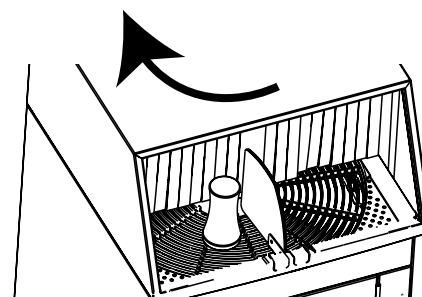
5 AUTOMATIC OPERATION

Press **"START/STOP"** to start the conveyor and enable automatic operation controlled by glass sensor.



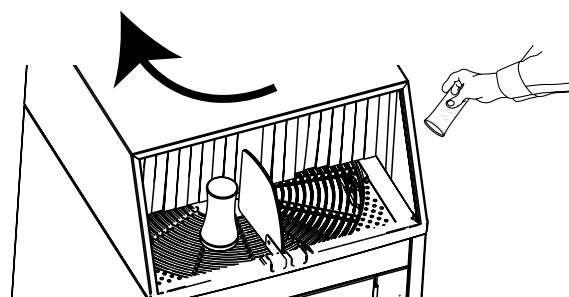
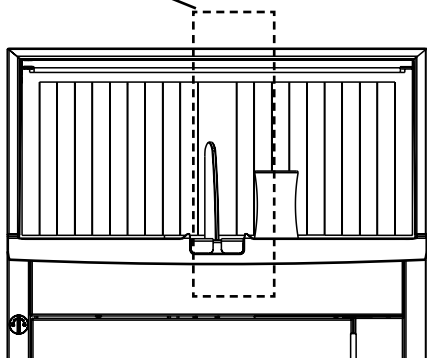
Running screen will appear.

(Conveyor will start rotating)



"REMOVE GLASS" screen will appear once glass arrives at stop zone, remove glasses to continue.

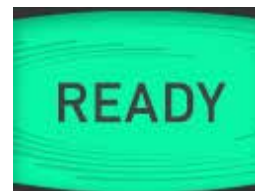
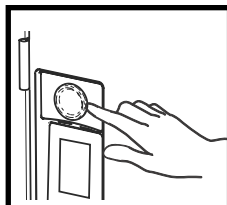
(Stop zone)



6 MANUAL OPERATION

"START/STOP" button can be used to manually start or stop conveyor as desired.

(STOP ZONE)

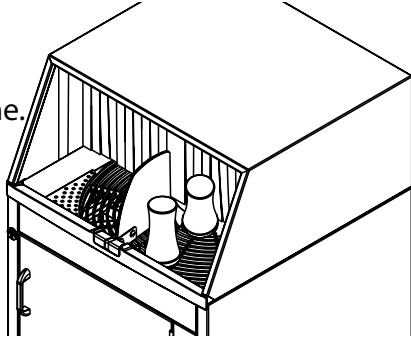


Glassware must be removed from stop zone.
Pressing the **"START/STOP"** button, the **"READY"** screen will appear.

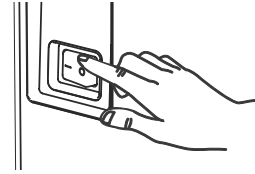
End of day shutdown and cleaning

End of day shutdown

- 1** Remove all glassware from machine.



- 2** Power off machine.



- 3** Wait for "AUTO DRAIN" to complete.

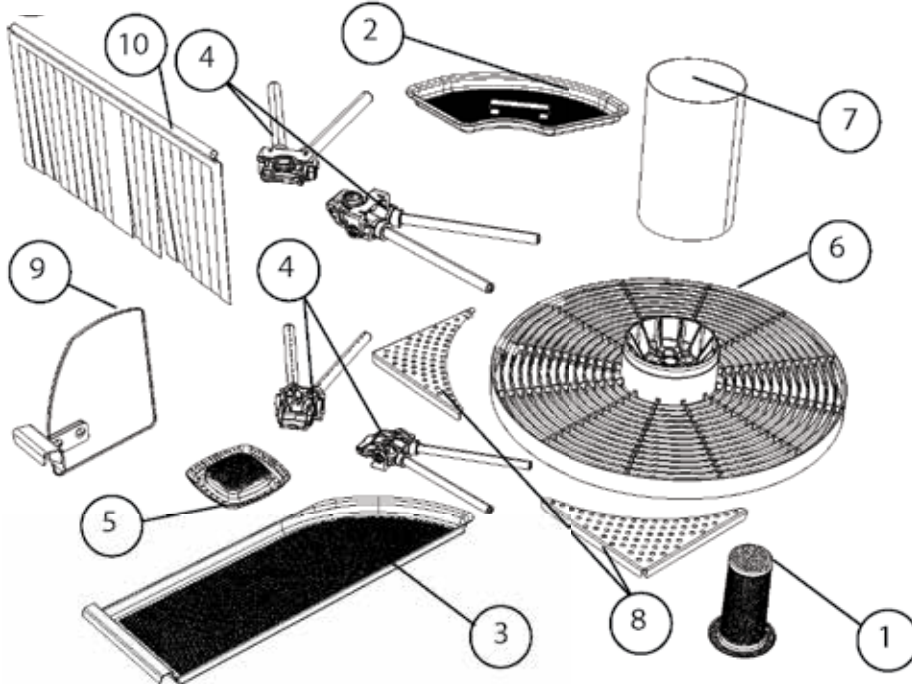


- 4** **DO NOT CLEAN WITH FOAMING CLEANERS OR METALLIC SCOURING PADS.**

DO NOT STRIKE THE CONVEYOR OR SCREENS ON ANY HARD SURFACES.



- 5** Remove and clean all components.



1. Pump suction screen
2. Wash tank screen
3. Scrap screen
4. Wash and rinse arms
5. Rinse drain screen
6. Conveyor
7. Center hub
8. Conveyor Tray
9. Divider
10. Curtain

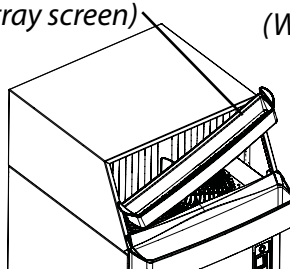
IMPORTANT: DO NOT ALLOW DEBRIS TO FALL OFF SCREENS INTO MACHINE.

End of day shutdown and cleaning

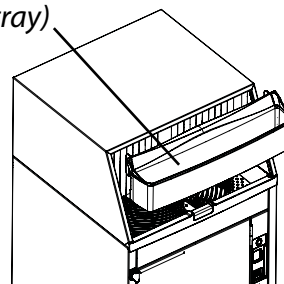
- 6** If waste tray is equipped, remove and clean all debris.



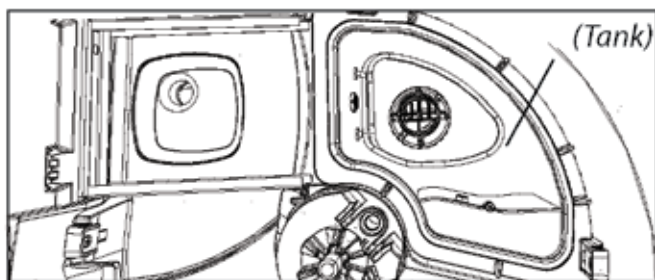
(Waste tray screen)



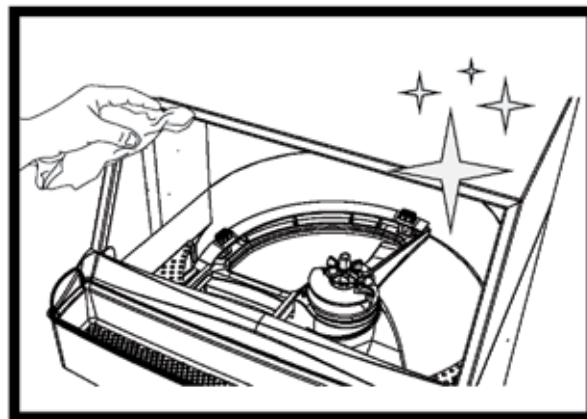
(Waste tray)



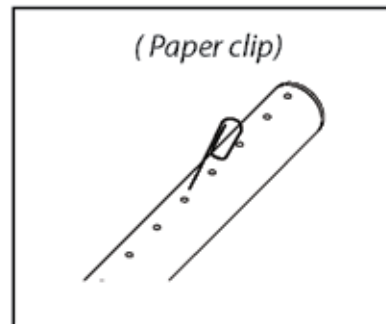
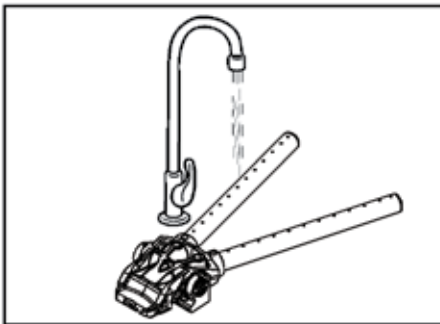
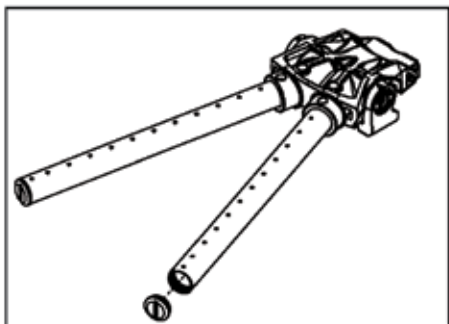
- 7** Wipe tank clean with damp cloth and remove any debris from tank. Do not use any foaming cleaning agents.



(Tank)



- 8** Remove End Caps and flush Wash/Rinse arms with water. Check for obstructions in the arms and clean any clogs as needed. Use paper clip to remove any obstructions from spray openings.

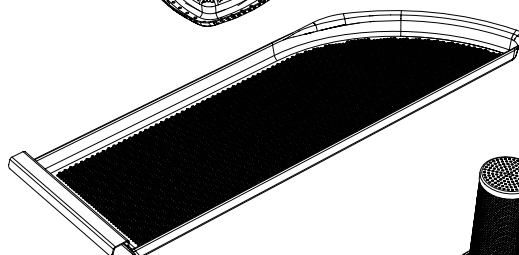
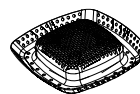


(Paper clip)

- 9** Remove all debris from screens and clean using a brush and flushing.



Do not strike conveyor or screens or use metallic scouring pads.



Weekly maintenance (60 hours of Operation)

WARNING PPE MUST BE WORN.

1. Complete Daily Cleaning.
2. Remove chemical supply containers if they are stowed inside the glasswasher, wipe any chemical spills with a damp cloth.
3. Check machine and all utilities for signs of damage, cracks, leaks, kinks or wear, etc. Have machine serviced as required.
4. Inspect chemical dispensing pumps for signs of damage, cracks or leaks and replace as required.
5. Find the spray tube assemblies, (2 wash and 2 rinse). There are (2) assemblies in the top and (2) assemblies in the bottom. Pull (1) assembly at a time. Check o-ring on the sprays arms for damage, replace if necessary.
6. Flush chemical tubes and supply line using the following procedure:
 - a) Check supply line for damage or leaks. Remove pick-up tubes from supply containers and place into 4 liters of warm water.
 - b) Follow priming procedure on page 11 to flush lines with warm water until all blockages or restrictions are removed.
 - c) Return pick-up tubes to appropriate containers and prime.
7. Check wash tank heating element for build up and remove using non-metallic scouring pads.

Semi-Annually Maintenance (1,500 hours of Operation)

1. Perform daily cleaning.
2. Perform weekly maintenance.
3. Replace chemical squeeze tube (kit # 0715190) and inspect supply lines replace as necessary.

Seasonal use, shipping and storage extended period of time

1. If machine is not in operation for a extended period of time , water supply must be turned off.
2. Unplug machine.
3. Machine must be stored above 5°C (41°F) to prevent freezing and damage to components.

Deliming.

Consult qualified chemical representative to perform this function.

DANGER:

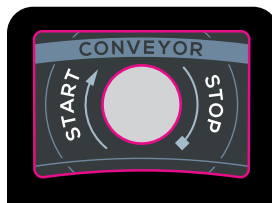
Death or serious injury may result when deliming solution is mixed with sodium hypochlorite sanitizing agent. Mixing may cause hazardous gases to form. Deliming solution and other acids must never be mixed with chlorine, iodine, bromine, or fluorine.

Diagnostics

Service technicians can use machine "diagnostics" tool to check all major components to determine any machine issues. The diagnostic tool cycles through each individual component and each item will run for 5 seconds.

NOTE: MACHINE MUST BE OFF TO RUN THIS FUNCTION.

- 1** While machine is off, push and hold the **"START/STOP"** button until the **"SYSTEM SETTINGS"** screen appear.



SYSTEM SETTINGS
➔GENERAL
SERVICE
DIAGNOSTIC
SYSTEM INFO
EXIT

- 2** Tap the **"START/STOP"** to select **"DIAGNOSTIC"**.

Push and hold the **"START/STOP"** until the **"DIAGNOSTICS SCREEN"** appears.

SYSTEM SETTINGS
GENERAL
SERVICE
➔DIAGNOSTIC
SYSTEM INFO
EXIT

- 3** Push and hold the **"START/STOP"** until the **"RUN"** appears.

DIAGNOSTIC SEQ.
RUN
BACK / CANCEL

PRESS AND HOLD
START BUTTON
TO BEGIN DIAGNOSTIC
SEQUENCE. UNIT
WILL SEQUENTIALLY
RUN LISTED ITEMS

- 4** The diagnostic sequence will apply power to each item listed for 5 seconds.

The unit will function through each item listed on the screen.

This operation allows confirmation that all items are in working condition.

Once completed, screen revert to "DIAGNOSTIC SEQ." screen.

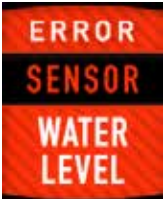
DIAGNOSTIC SEQ.
➔WASH PUMP
HOT WATER VLV
COLD WATER VLV
DETERGENT PUMP
SANITIZER PUMP
RINSE AID PUMP
DRAIN PUMP
CONVEYOR MOTOR

- 5** EXIT MENU WHEN COMPLETED.

Display screens

Fault Screen	Cause(s)	Solution(s)
	Water supply valve is closed or obstructed.	Turn on Water or Call service.
	One or both washarms have plugged spray openings.	Remove both washarms, and take off end caps. Run water over holes of washarms and use paperclip to clear any plugs.
	One or both washarms aren't installed properly, are missing end caps or aren't installed at all. Missing end caps.	Reinstall both washarms, ensure end caps are tight and ensure the arms are seated firmly and parallel to the floor. Ensure end caps are installed, replace if missing.
	Rinse drain screen is plugged OR deposit has built up in rinse drain elbow. Drain manifold on left side of machine base is plugged or blocked. Machine or building drain plugged or blocked.	Clean rinse drain screen by removing from machine and scrubbing or wiping soil off and confirm that rinse drain opening is not plugged If problem persists, call service or contact plumber.
	Drain pump suction screen or drain hose is plugged or impeller is blocked. Pump failed	Remove and clean pump suction screen and check for debris by drain pump suction. Remove drain plug if necessary - if problem persists, call service. Contact service company for pump replacement.
	Tank thermistor has a bad connection or is faulty.	Restart machine - If problem persists call service for sensor replacement.

Display screens

Fault screen	Cause(s)	Solution(s)
	Rinse thermistor has a bad connection or is faulty.	Restart machine - If problem persists call service.
	Wash Tank sensor is blocked, has a bad connection or is faulty.	Restart machine, If problem persists call service.
	Rinse thermistor has a bad connection or is faulty.	Wipe off any debris on glass sensor. Restart machine - If problem persists call service.
	High water loss or Wash Arms not installed correctly.	Washing non glassware or wash arm is missing during operation. Reinstall or clean wash arms. I.e cutting boards could cause large amounts of water loss.
(If equipped with chemical) 	One or more chemical tubes are blocked or one or more chemical jugs are empty. Chemical sensor has a bad connection.	Confirm that chemical jugs are not empty - If chemicals are empty call chemical supplier, if problem persists call service.

Trouble shooting

The following troubleshooting guide can help identify a problem and provide a solution. Inspect your glasswasher before you contact an authorized service representative.

Problem	Cause(s)	Solution(s)
Glasswasher will not turn ON.	Glasswasher ON/OFF switch OFF. Power cord unplugged. Disconnect fuse blown/breaker tripped. Main breaker/fuse box is OFF.	Flip ON/OFF switch ON. Plug-in power cord. Turn breaker/fuse box ON. Replace fuse/reset breaker. Turn breaker/fuse box ON.
Conveyor will not rotate.	Remove glassware in front conveyor of the sensor. Not pressing the "conveyor enable" button Dirty glass sensor. Conveyor out of position Conveyor support(s) out of position and/or broken. Object jamming the conveyor	Remove clean glasses from the rinse-side of the glasswasher. Press the start/stop button located on the main panel Gently clean sensor with a soft cloth. Reposition the conveyor. Reposition or replace support(s). Remove object.
Conveyor will not stop rotating.	Glass sensor defective. Conveyor drive motor defective. Defective circuit board.	Authorized Service Agent may replace glass sensor. Authorized Service Agent may replace conveyor drive motor. Authorized Service Agent may replace circuit board.
Wash screen is hard to remove.	Large debris, such as broken glass, is on screen. Scrap screen bent and/or broken.	Remove conveyor and lower spray arm(s). Remove debris. Authorized Service Agent may repair or replace damaged screen.
Front door will not close or remain closed.	Screen not fully installed Door bent or broken. Door magnet broken or missing.	Reinstall scrap screen Straighten or replace door. Replace door magnet.

Trouble shooting

Problem	Cause(s)	Solution(s)
Glasswasher not level or rocks back and forth.	Level machine using legs. Leg(s) are not screwed firmly into machine base.	Use level adjusting the legs Tighten leg(s) in base or replaced if damaged.
Water sprays out the front of the glasswasher.	Splash curtain is missing, positioned incorrectly, or damaged. Glass(es) interferes with splash curtain. Clogged spray arm(s) makes water come out in wrong direction. Spray arm(s) are damaged or missing. Missing end caps	Reinstall/replace the splash curtain. Reload glass(es). Clean the spray arm(s). Replace spray arm(s). Install/replace end caps.
Poor washing results.	Clogged wash/rinse arms. Detergent and/or rinse-aid supply low. Wash pump and/or water valve(s) and/or line strainers clogged or defective. Detergent tank temperature low. Chemical injectors out of adjustment.	Clean spray arm(s). Refill chemical supplies. Authorized Service Agent may replace wash pump and/or inlet valve(s). Clean line strainers. Raise incoming water temperature or adjust thermostat for 140°F/60°C in detergent tank. Contact chemical supplier to calibrate settings.
Chemical supply container(s) fill with water.	Chemical line check valves damaged or missing. Peristaltic tube(s) are stretched or worn on the glasswasher chemical pumps. Flow control washer in cold water inlet valve is defective.	Service Agent to replace check valves. Inspect and replace tube(s). Contact Service Agent to repair inlet valve.

Trouble shooting

Problem	Cause(s)	Solution(s)
Spray arms, spray is low.	Missing end caps on both wash and rinse arms. Solenoid valve may be required to be replaced.	Contact service to purchase caps if lost. Contact Service Agent.
Chemical supply container(s) fill with water.	Wires installed backwards on chemical pump.	Correct wiring (done by service tech).
Water sprays out the front of the glasswasher.	Splash curtain is missing, positioned incorrectly, or damaged. Glass(es) interferes with splash curtain. Clogged spray arm(s) makes water come out in wrong direction. Spray arm(s) are damaged or missing. Missing end caps	Contact Service Agent. Increase setting to 140°F/60°C. (Authorized Service Agent) Raise incoming water temperature to 140°F/60°C Authorized Service Agent may replace detergent tank heater. Contact Service Agent.
Water leaking under glasswasher.	Rinse drain. Vacuum breaker at rear of glasswasher leaking. Pump seal defective. Building drain line is clogged. Water supply lines.	Clean drain screen. Replace or repair vacuum breaker. Authorized Service Agent may replace pump seal. Building drain line is clogged. Replace lines.

Trouble shooting

Problem	Cause(s)	Solution(s)
Water flows into glasswasher when ON/OFF switch is in the OFF position.	Defective inlet valve(s). Flowing water supply line pressure measured at the glasswasher exceeds 95 PSI (655 kPA).	Authorized Service Agent may rebuild or replace inlet valves. Turn off water supply until repair complete. Ensure water supply does not exceed 95 psi.
Chemical(s) are not flowing into the glasswasher.	Chemical container(s) are empty. Chemical supply line(s) are clogged. Injector fittings clogged. Chemical supply and/or pump tube(s) are broken. No power to chemical dispensing pump(s). Dispensing pump is defective. Chemical pumps out of adjustment. Incoming water flow too large.	Refill the container(s). Remove the supply line(s) from the chemical container(s) and flush with warm water. Clean fittings or replace. Replace supply line(s) and/or pump tube(s). Authorized Service Agent may replace chemical dispensing pump. Authorized Service Agent must inspect and repair. Chemical supplier must adjust chemical pumps. Inlet water valve restrictor damaged or defective. Replace as needed.
Board screen during operations goes white.	Main control is malfunctioning. Ribbon cable is defective.	Replace main board. Ribbon cable is to be replaced connecting the LCD board to the main board.
The machine overfills on startup, stays in the fill cycle, and shows an error at about 20%	Water in pressure transducer line. Connector issue.	Pull off hose clip and inspect line for any water in line. Authorized technician only; reconnect sensor wire and reset.

Machine Features and Setting Descriptions

Light Brightness Or Screen Brightness

Low- Lowest brightness

Medium- Medium Brightness

High- Default- Maximum brightness

See below for machine features and settings descriptions. Adjust settings as required or desired.

Set Language

English-Machine language is English.

French- Machine language is French.

Set Units

Fahrenheit- all temperature units set to Fahrenheit.

Celsius- All temperature units set to Celsius.

Wash Refresh

Pauses machine and exchanges all wash water due to excessive soil levels. If occurs frequently the soil level should be adjusted to reduce chance of occurrence.

SOIL(Soil Condition)

Wash water is exchanged based on the following conditions. Can be adjusted as needed.

Normal- default value, beer wine and light mixed drinks. Low capacity.

Moderate- Ceasars, or frozen mixed drinks, high volume, Intermittent use. Medium capacity.

Heavy- Creamy drinks, milkshakes, glasses with lots of cocktail rimmer. Constant high capacity.

SPD(Speed)

The speed the conveyor turns. Set based on customer glassware soil level.

Normal- Default- Fastest conveyor speed

Medium- 90% of Normal speed

Low- 80% of Normal Speed.

Wash Temperature

Maximum wash water temperature adjusted as needed to maintain required Local requirements.

Rinse Temperature

If below 75°F (24°C) Set using mixing valve located between hot and cold inlet valves. Adjust as desired to prevent glassware from cracking.

Passcode

Number code used to prevent unauthorized personnel from adjusting machine settings. Passcode Number is "111". Number cannot be changed.

Set Chemicals

Adjusts chemical concentration adjust from 0(off) to 20(max). Setting can be adjusted as needed to meet requirements. Factory settings will need to be adjusted to meet local requirements.

Machine Features and Setting Descriptions

Light Modes

Dynamic Mode

Used during active machine operation to signal specific conditions to the operator.

Machine Function	Color / Behaviour
Start up/ Shutdown	On- white
Ready	On- 2 blinks, Cyan
Running	Modulating- Cyan
Remove Glass	On- 2 blinks, Cyan
Wash arms or Chemical alarms	On- Yellow
Minor Machine Faults	On- Orange
Major Machine Faults	Modulating- Orange

Static Mode

Lights up wash chamber. Only communicates alarms and faults

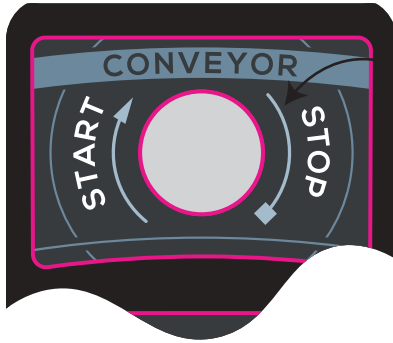
Machine Function	Color / Behaviour
Start up/ Shutdown	On- white
Ready	On- Cyan
Running	On- Cyan
Remove Glass	On- Cyan
Wash arms or Chemical alarms	On- Yellow
Minor Machine Faults	On- Orange
Major Machine Faults	Modulating- Orange

Off Mode

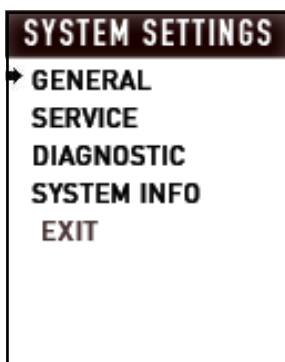
Light Off during normal operation only communicates alarms and faults

Machine Function	Color / Behaviour
Start up/ Shutdown	Off
Ready	Off
Running	Off
Remove Glass	Off
Wash arms or Chemical alarms	On- Yellow
Minor Machine Faults	On- Orange
Major Machine Faults	Modulating- Orange

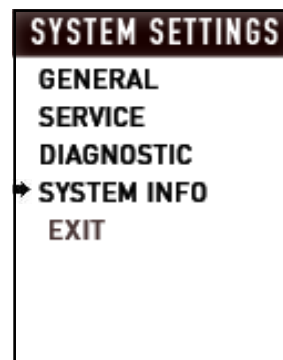
Menu Navigation



1. The "START/STOP" button is used to navigate through the menuing system.

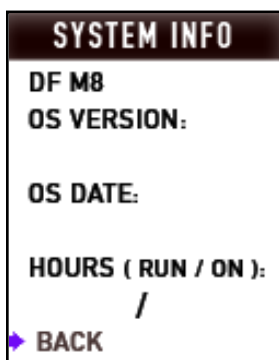


1. By holding the "START/STOP" button, the user is able to access the "SYSTEMS SETTING".

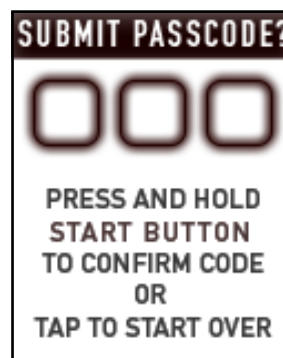


2. Tapping the "START/STOP" button allows the user to change between menu items.

Press and hold the "START/STOP" to select menu items.



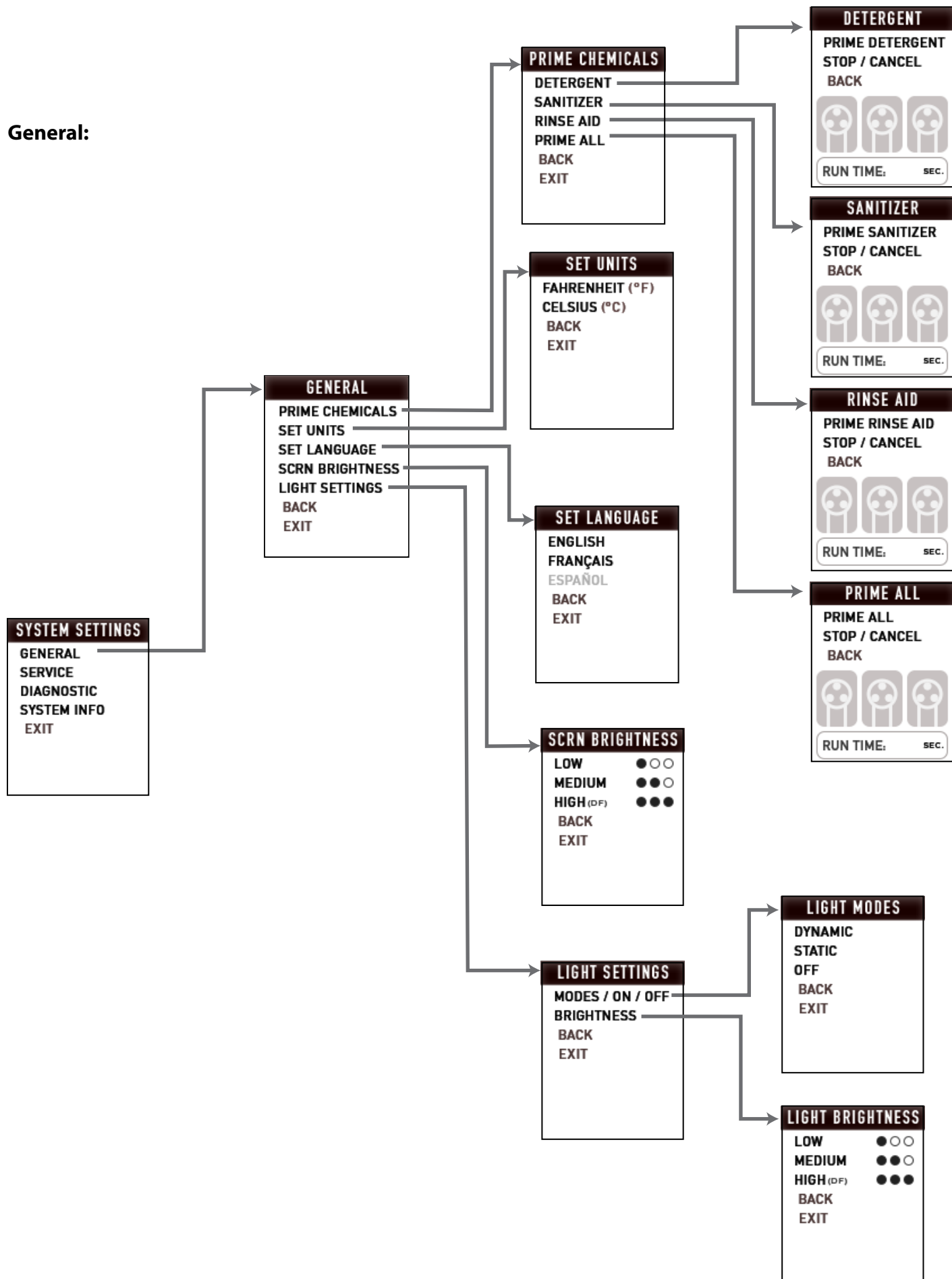
3. Use back or exit by pressing and holding "START/STOP" to return to previous screen or exit menu system.



4. ONLY IF USED. Use pass code (111) to access "SERVICE MENU".

System Settings

General:



Service menu:

SYSTEM SETTINGS

GENERAL
SERVICE
DIAGNOSTIC
SYSTEM INFO
EXIT

SUBMIT PASSCODE?

000

PRESS AND HOLD
START BUTTON
TO CONFIRM CODE
OR
TAP TO START OVER

SERVICE MENU

PRIME CHEMICALS
SET CHEMICALS
SET WASH TEMP.
SET SOIL LOAD
SET CONVEYOR SPD
PASSCODE ON/OFF
FACTORY RESET
BACK

PRIME CHEMICALS

DETERGENT
SANITIZER
RINSE AID
PRIME ALL
BACK
EXIT

SET CHEMICALS

DETERGENT
SANITIZER
RINSE AID
BACK
EXIT

SET TEMPERATURE

°F

TAP START BUTTON
TO CYCLE THROUGH
VALUES. PRESS AND
HOLD TO SUBMIT
SELECTED VALUE.

SET SOIL COND.

NORMAL (°F) ● ○ ○
MODERATE ● ● ○
HEAVY ● ● ●
BACK
EXIT

SET CONVEYOR SPD

LOW ● ○ ○
MEDIUM ● ● ○
HIGH (°F) ● ● ●
BACK
EXIT

PASSCODE ON/OFF

OFF (DEFAULT)
ON
BACK
EXIT

FACTORY RESET

RESET UNIT
BACK / CANCEL

PRESS AND HOLD
START BUTTON
FOR 10 SECONDS TO
RESET UNIT TO
FACTORY DEFAULTS.

SET DETERGENT

TAP START BUTTON
TO CYCLE THROUGH
VALUES. PRESS AND
HOLD TO SUBMIT
SELECTED VALUE.

SET SANITIZER

TAP START BUTTON
TO CYCLE THROUGH
VALUES. PRESS AND
HOLD TO SUBMIT
SELECTED VALUE.

SET RINSE AID

TAP START BUTTON
TO CYCLE THROUGH
VALUES. PRESS AND
HOLD TO SUBMIT
SELECTED VALUE.

INPUT PASSCODE

000

TAP START BUTTON
TO CYCLE THROUGH
VALUES. PRESS AND
HOLD TO SUBMIT
SELECTED VALUE.

DETERGENT

PRIME DETERGENT
STOP / CANCEL
BACK

RUN TIME: SEC.

SANITIZER

PRIME SANITIZER
STOP / CANCEL
BACK

RUN TIME: SEC.

RINSE AID

PRIME RINSE AID
STOP / CANCEL
BACK

RUN TIME: SEC.

PRIME ALL

PRIME ALL
STOP / CANCEL
BACK

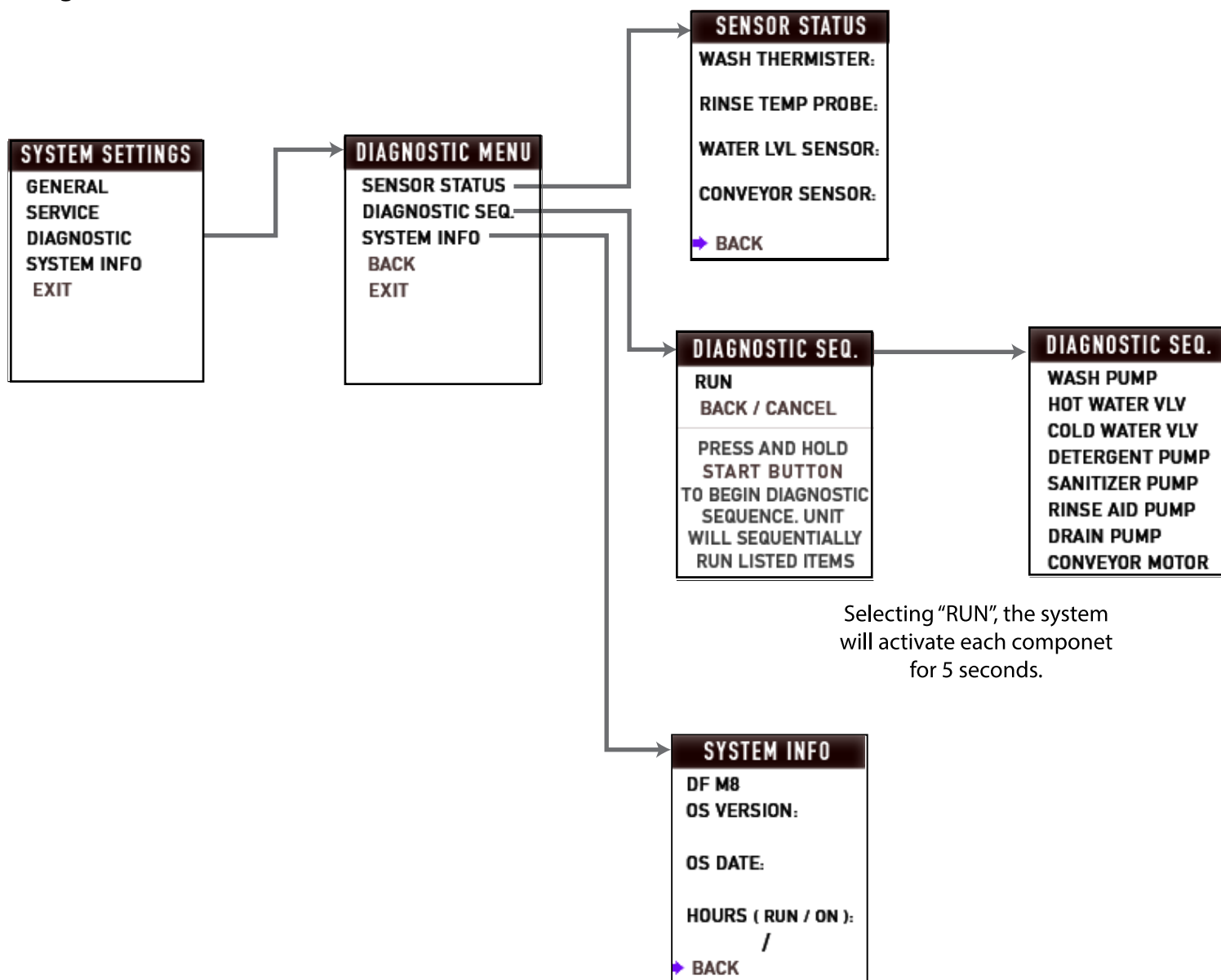
RUN TIME: SEC.

IF PASSCODE IS SET TO
ON, INPUT PASSCODE TO
ACCESSES SERVICE MENU.

USE 1 1 1 TO ACCESSES
SERVICE MENU SETTINGS.

System Settings

Diagnostic:

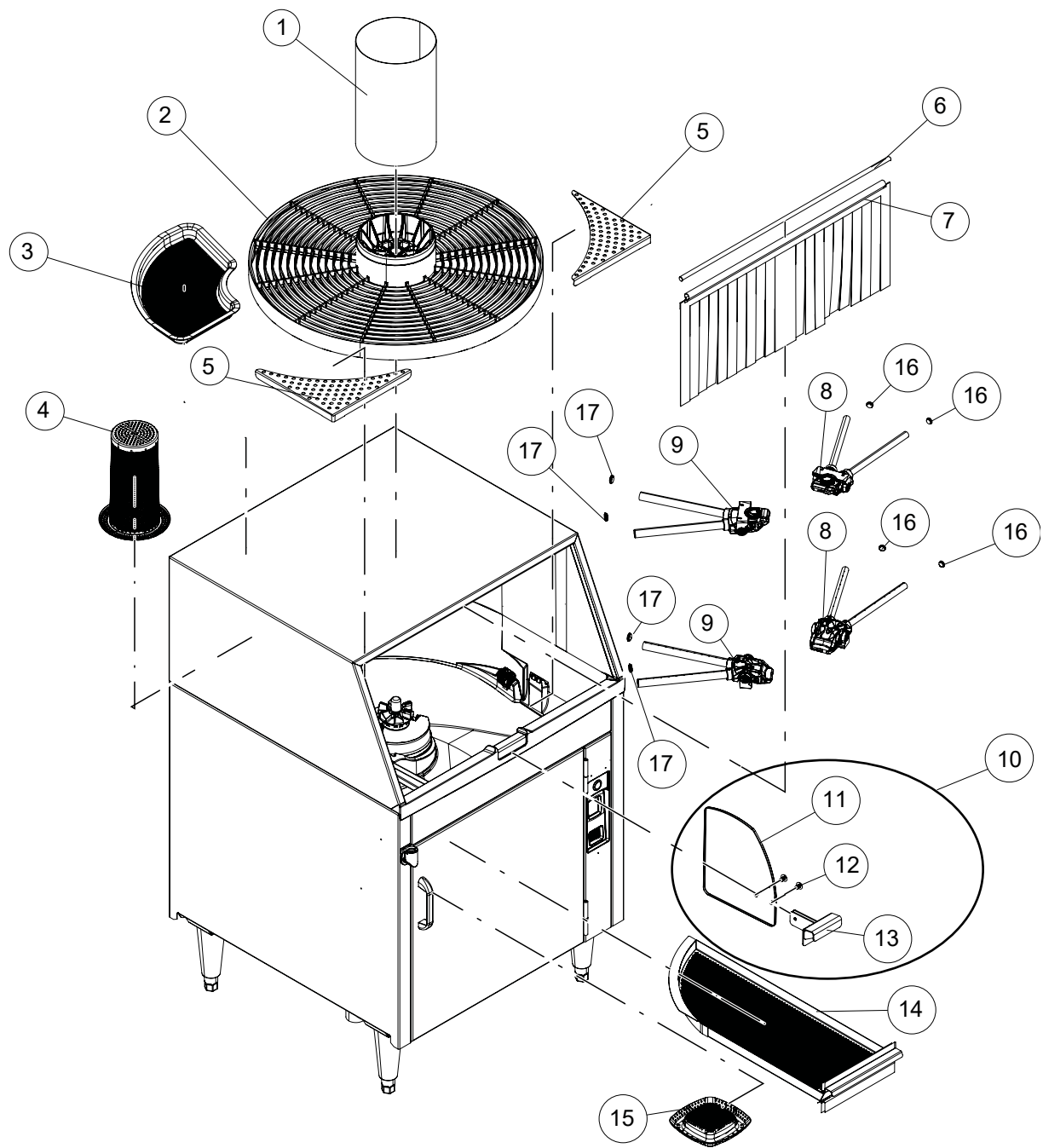


*** MACHINE POWER SWITCH MUST BE IN THE OFF POSITION TO RUN DIAGNOSTICS.**

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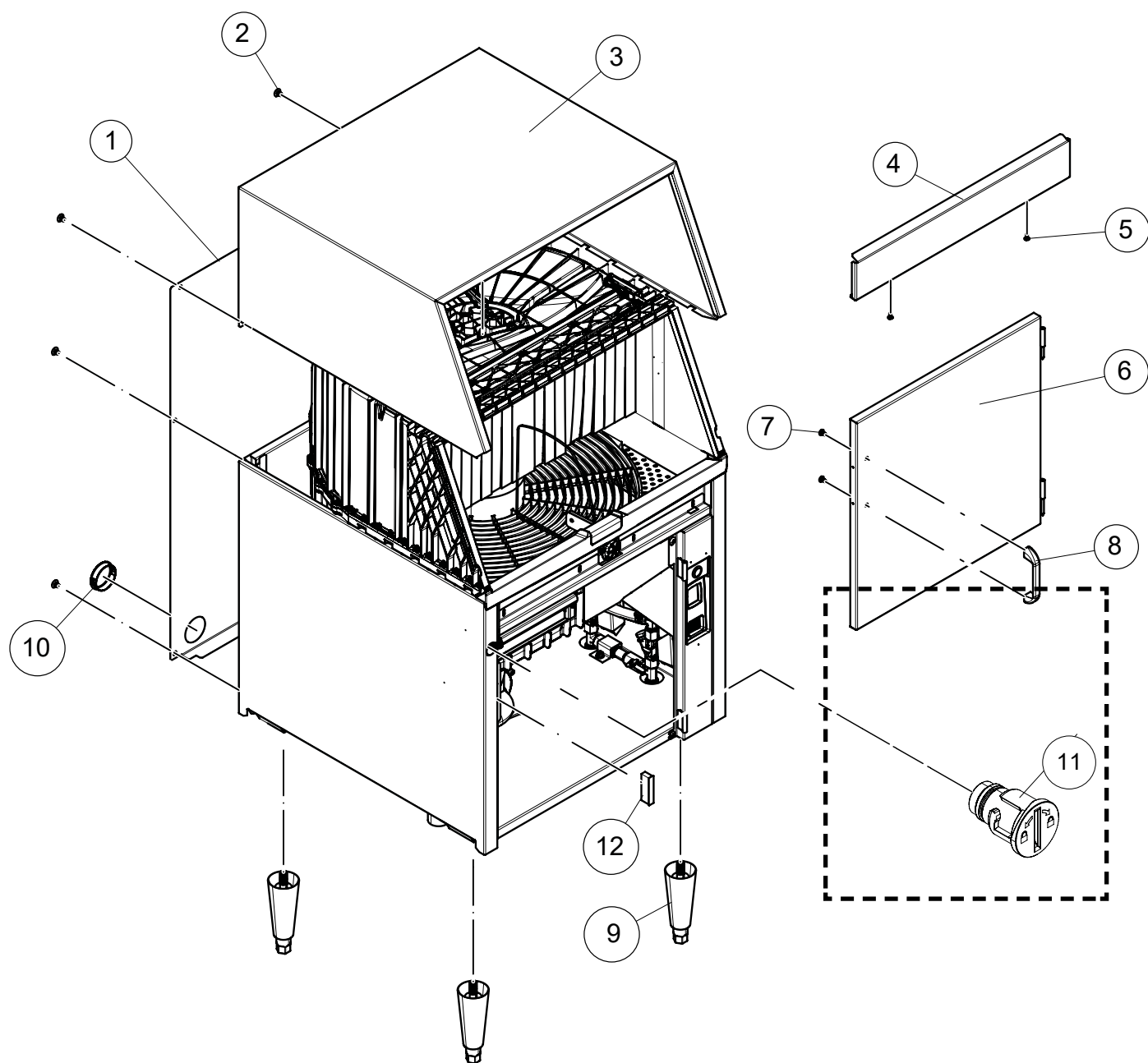
Quick Reference



Quick Reference

Item No.	Part No.	Description	Qty.
1	0314949	HUB, CONVEYOR CENTER	1
2	0514825	CONVEYOR	1
3	0714940	SCREEN, WASH TANK	1
4	0714941	SCREEN, PUMP SUCTION	1
5	0314963	TRAY, CONVEYOR	2
6	0314868	ROD, CURTAIN	1
7	0514867	CURTAIN	1
8	0714836	ASSEMBLY, RINSE ARM (Includes 0514985)	2
9	0714835	ASSEMBLY, WASH ARM (Includes 0514974)	2
10	0714954	DIVIDER, ASSEMBLY (CONTAINS, 11,12,13)	1
11	0514958	STOP, GLASS DIVIDER ,	1
12	100778	SCREW 1/4-20 X 3/8 TRUSS HD	2
13	0714955	WELDMENT, DIVIDER MOUNT	2
14	0714973	ASSEMBLY, SCRAP SCREEN	1
15	0714947	SCREEN, RINSE DRAIN	1
16	0514985	CAP, RINSE ARM DFM8	4
17	0514974	CAP, WASH ARM DFM8	4

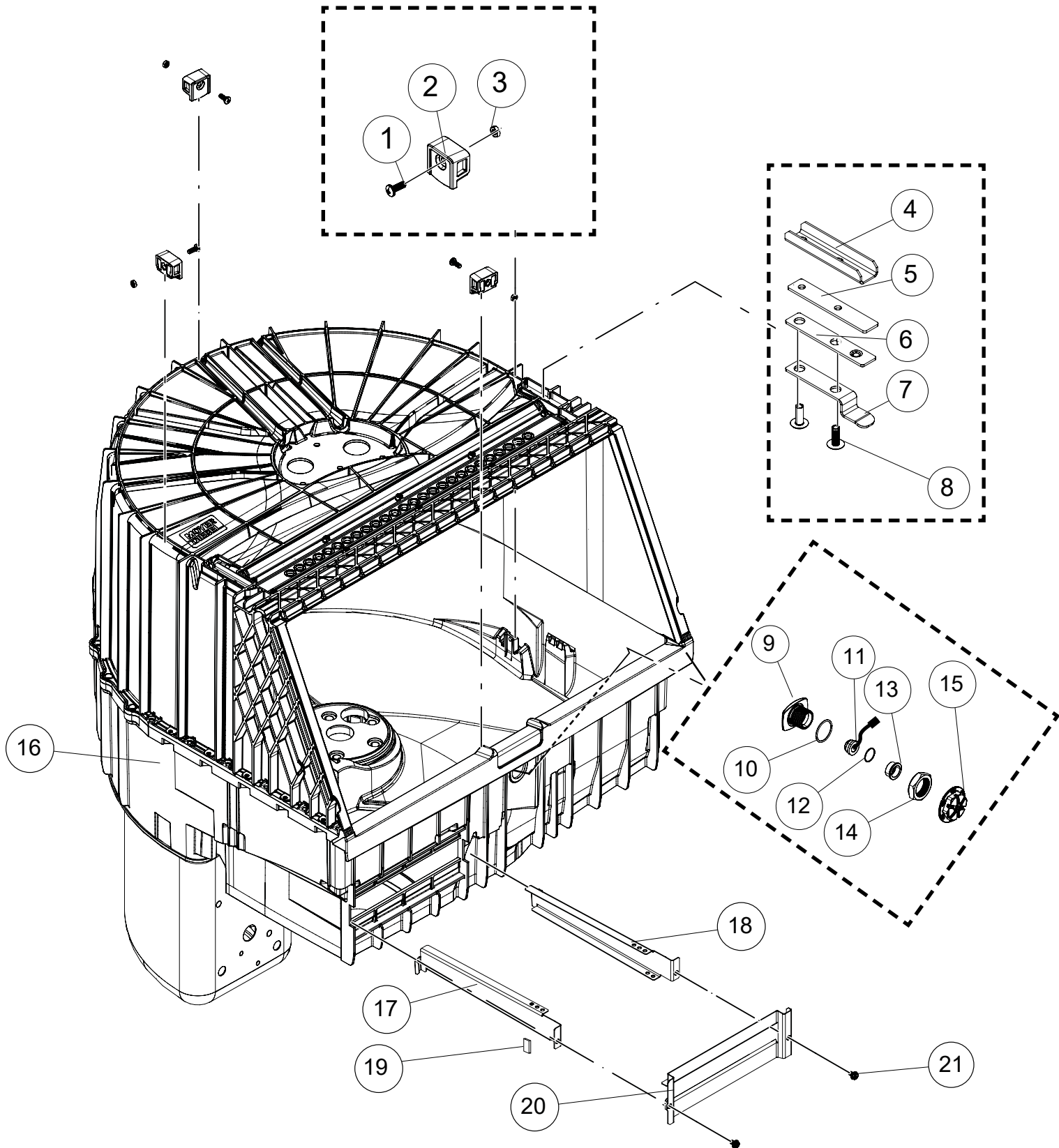
Base Assembly



Base Assembly

Item No.	Part No.	Description	Qty.
1	0314968	PANEL, BACK	1
2	0510884	SCREW, 1/4-20 X 1/2 TRUSS HEAD PHIL	6
3	0314967	WRAP, HOOD	1
4	0314964	PANEL, FACIA	1
5	0501408	SCREW, 8-32 X 1/4 TRUSS HEAD PHILLIPS SS	2
6	0714855	DOOR WELDMENT	1
7	0501464	SCREW, 10-24 X 3/8 TRUSS HEAD PHILLIPS SS	2
8	0501921	HANDLE	1
9	0501873	LEG, N/P DIE CAST W/SS HEX FOOT	4
10	0515189	BUSHING, SNAP 1.75 ID X 2.00 OD	1
11	0514951	PLUG, DRAIN TRAY	1
12	0501885	CATCH, MAGNETIC	1

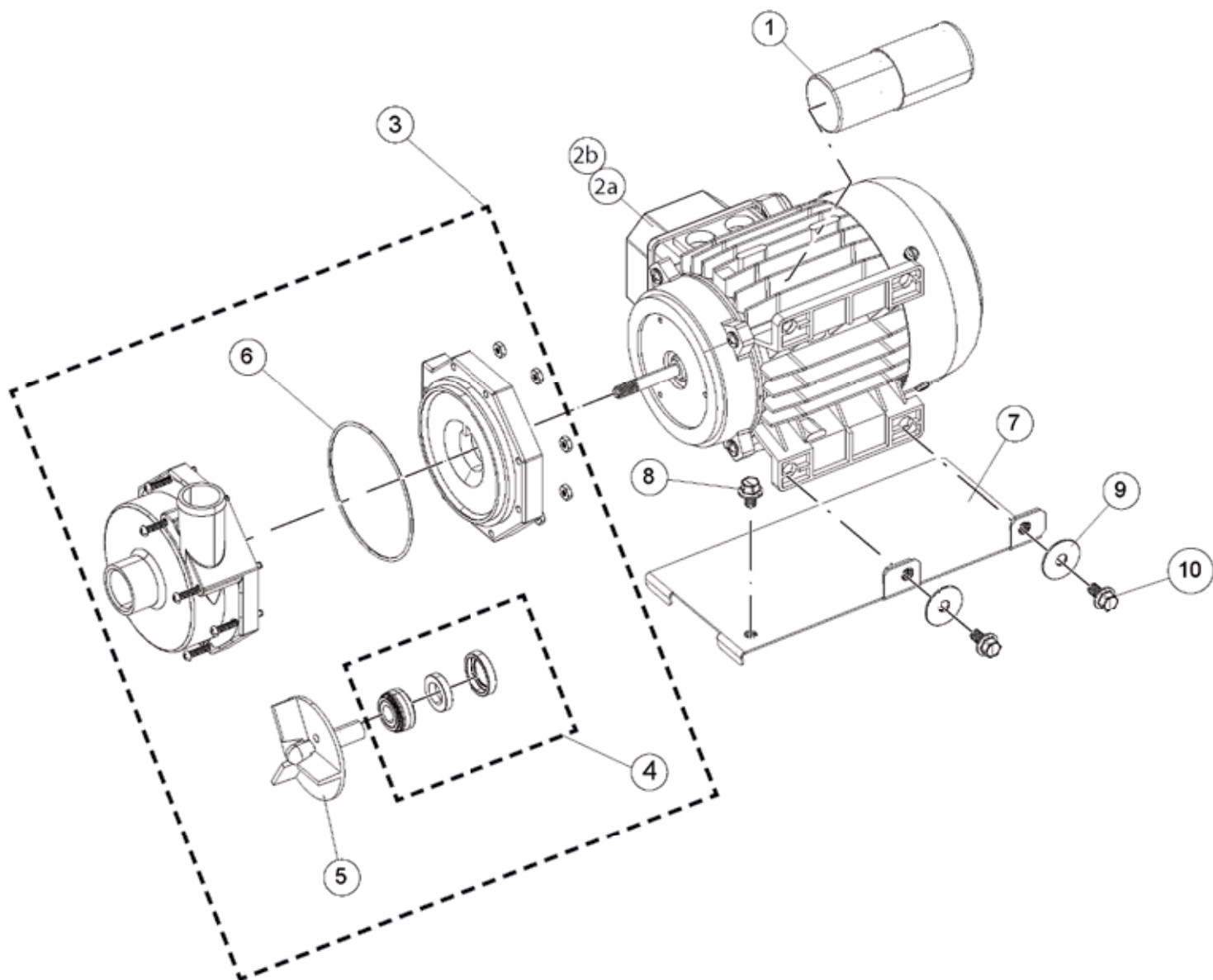
Tank Assembly



Tank Assembly

Item No.	Part No.	Description	Qty.
1	0515197	SCREW, 10-32 X 1/2" PANHEAD SS	4
2	0514846	GLIDES, CONVEYOR	4
3	0514907	NUT, 10-32 NARROW PROFILE	4
4	0314883	NUTPLATE, CURTAIN CLIP	2
5	0515183	GASKET, CURTAIN CLIP	2
6	0314869	CLIP, CURTAIN ROD	2
7	0314884	STOP, CURTAIN CLIP BRACKET	2
8	0507270	SCREW, 10-32 X 1/2 TRUSS HEAD PHILLIPS SS	4
9	0514959	HOUSING, CONVEYOR SENSOR	1
10	0514953	ORING, 0.989 ID X 0.070 70A DURO SILICONE (-022)	1
11	0514827	SENSOR, GLASS DETECTOR	1
12	0514984	ORING, 0.630 ID X 0.039 70A DURA SILICONE	1
13	0514982	BUSHING, CONVEYOR SENSOR	1
14	0514960	NUT, CONVEYOR SENSOR	1
15	0514983	NUT, CONVEYOR SENSOR BUSHING	1
16	0715140	ASSEMBLY, SERVICE TANK REPLACEMENT	1
17	0314890	GUIDE, SCRAP SCREEN LH	1
18	0314889	GUIDE, SCRAP SCREEN RH	1
19	0515128	GASKET	1
20	0314891	GUARD, SCRAP SCREEN FRONT	1
21	0509439	SCREW, 10/32 X 5/16 HEX/WS/HD SS	2

Wash Pump



GREY SHROUD AND PUMP HEAD ON OLD
BLUE SHROUD AND GRAY PUMP HEAD ON NEW

Wash Pump

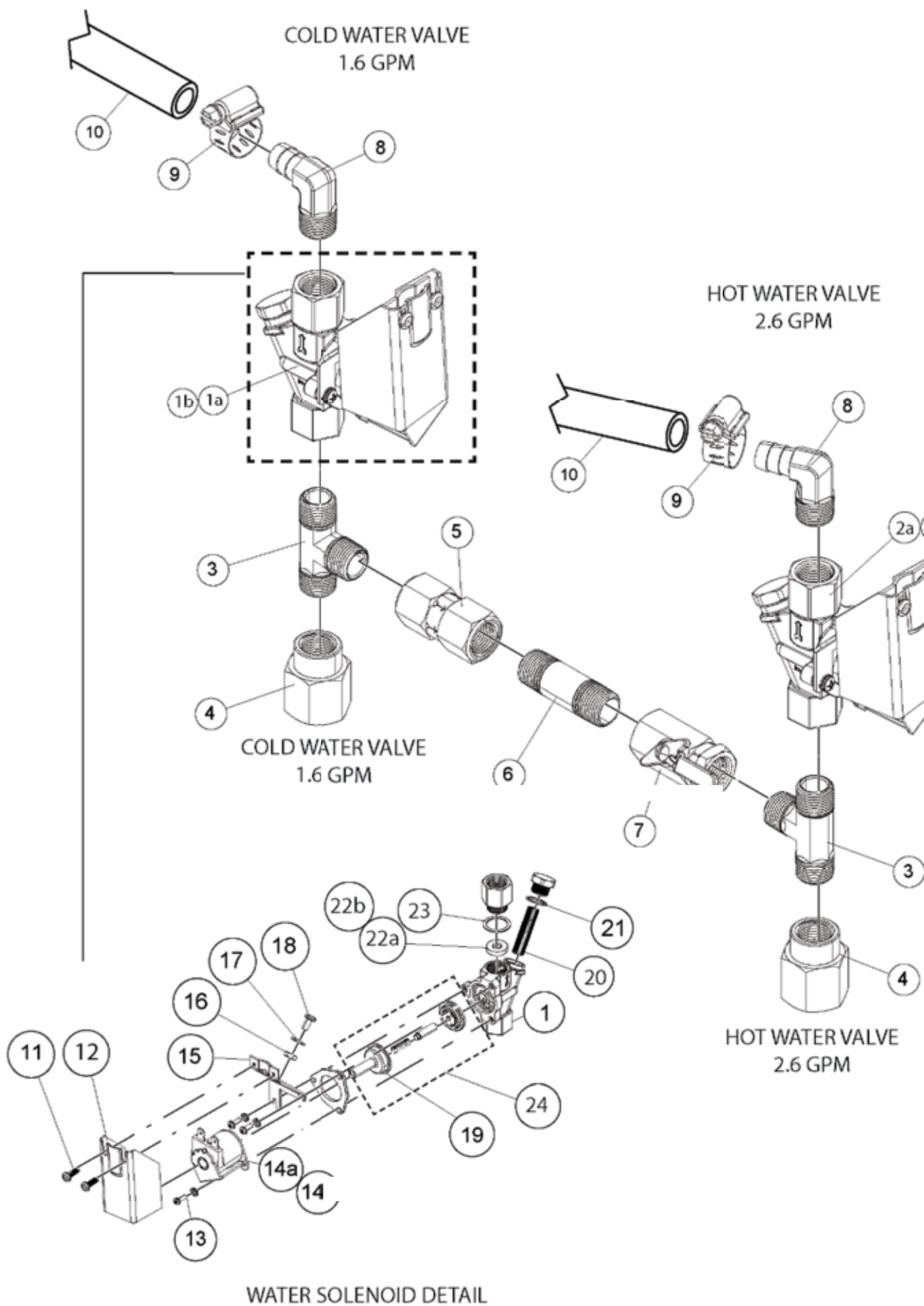
Item No.	Part No.	Description	Qty.
1	0512679	MOTOR CAPACITOR 6.3 uF, 370 VAC	1
2a	0512531	PUMP, WASH 230V DF/SW M7 GLASSWASHER	1
2b*	051253-1	PUMP, WASH 115V DF/SW M7 GLASSWASHER	1
3	0512678	PUMP KIT (INCLUDES ITEM 4-6)	1
4	0512677	SEAL, PUMP	1
5	0512680	IMPELLER, PUMP	1
6	0512746	O-RING, WASH PUMP	1
7	0314997	BRACKET, WASH PUMP	1
8	0512185	BOLT, HEX FLAGE 1/4-20 X 3/8 SS	1
9	0300823	WASHER,.281 ID X 1 OD X .045 S	2
10	0511082	BOLT, HEX FLANGE 1/4-20 X 1/2 SS	2

*** 115 VOLT MODEL ONLY**

Starting with serial number G260330669 and above are manufactured using the parts below:

1a	0515269	CAPACITOR, REPLACEMENT 230v WASHPUMP 5uF	1
1b*	0515270	CAPACITOR, REPLACEMENT 115v WASHPUMP 16uF	
2a	0514995	PUMP/MOTOR COMPLETE 230V/50-60Hz/1Ph	1
2b*	0514996	PUMP WASH 115V	1
3	0515271	KIT, PUMP REBUILD FOR 0514995/0514996	1
4	0515272	SEAL, SHAFT REPLACEMENT 0514995/0514996	1
5	0515273	IMPELLER, PUMP REPLACEMENT 0514995/0514996	1
6	0515274	ORING, WASHPUMP REPLACEMENT 0514995/0514996	1
7	0314997	BRACKET, WASH PUMP	1
8	0512185	BOLT, HEX FLAGE 1/4-20 X 3/8 SS	1
9	0300823	WASHER,.281 ID X 1 OD X .045 S	2
10	0511082	BOLT, HEX FLANGE 1/4-20 X 1/2 SS	2

Inlet Plumbing



Inlet Plumbing

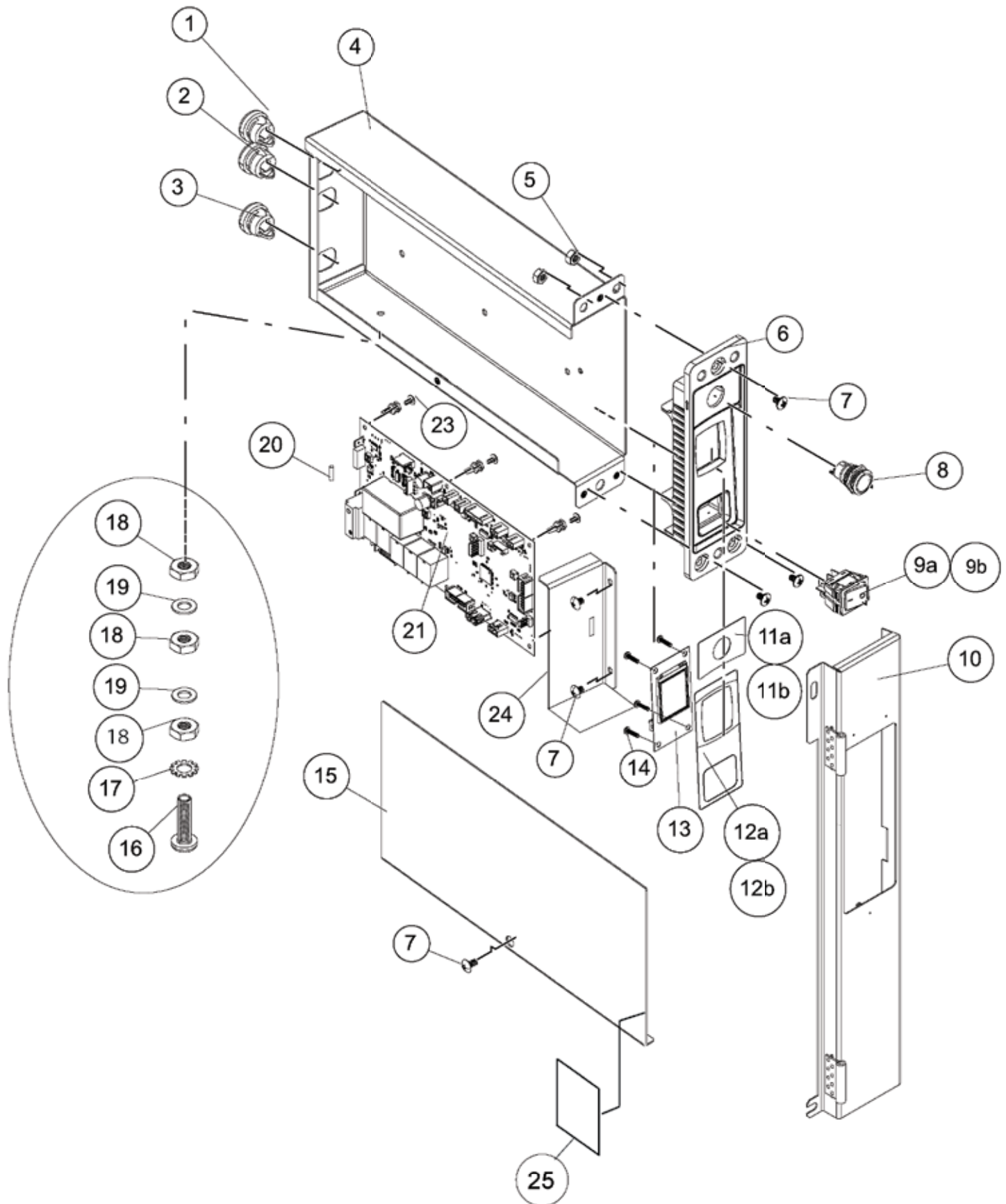
Item No.	Part No.	Description	Qty.
1a	0514599	VALVE, SOL 240V 60HZ 1.6 GPM SST SEAT, COLD	1
1b*	0515206	VALVE, SOL 115V 60HZ DF/SW 1.6 GPM SST SEAT, COLD	1
2a	0514517	VALVE, SOL 240V 60HZ DF/SW 2.6 GPM SST SEAT, HOT	1
2b*	0515207	VALVE, SOL 115V 60HZ DF/SW 2.6 GPM SST SEAT, HOT	1
3	0503802	TEE, 3/8 MPT BRASS FORGED	2
4	0503801	ADAPTER, 3/8FEM X 1/2FEM	2
5	0507324	VALVE, CHECK 3/8i	1
6	0514834	NIPPLE, 3/8 X 2 BRASS	1
7	0502768	VALVE, STOP 3/8 SW	1
8	0502653	ELBOW, 90 DEGR 3/8MPTX1/2 HOSE	2
9	0503679	CLAMP, HOSE GEAR SS 7/16-25/32"#6 MINI	2
10	0502665	HOSE, BRAIDED 1/2" I.D. X 3/4" O.D.	2
11	0504822	SCREW 8-32 X 3/8"	2
12	0306208	COVER, CABLE CLAMP	1
13	0501406	SCREW, 8-32 X 1/2 RD HD PHILLIPS SS	3
14a	0502806	COIL, 230V 60HZ	1
14b*	0505235	COIL, 115V 60HZ	1
15	0307373	CLAMP, CABLE PLG ASSY - SW/DF	1
16	0501533	NUT 10-32 BRASS	1
17	0501493	WASHER, LOCK #10	1
18	0501404	SCREW 10-32 X 3/8" BRASS	1
19	0505229	GUIDE SOLENOID	1
20	0502803	SCREEN, SOLENOID VALVE STRAINER	1
21	0502804	GASKET,STRAINER CAP	1
22a	0515209	DISC, FLOW 2.6 GPM-HOT	1
22b	0515208	DISC, FLOW 1.6 GPM-COLD	1
23	0502807	WASHER, BRASS	1
24	0502811	KIT,REBUILD FOR VALVES	1

NOT SHOWN:

0306208	CLAMP, CABLE 500HT/T	1
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*** 115 VOLT MODEL ONLY**

Control Box

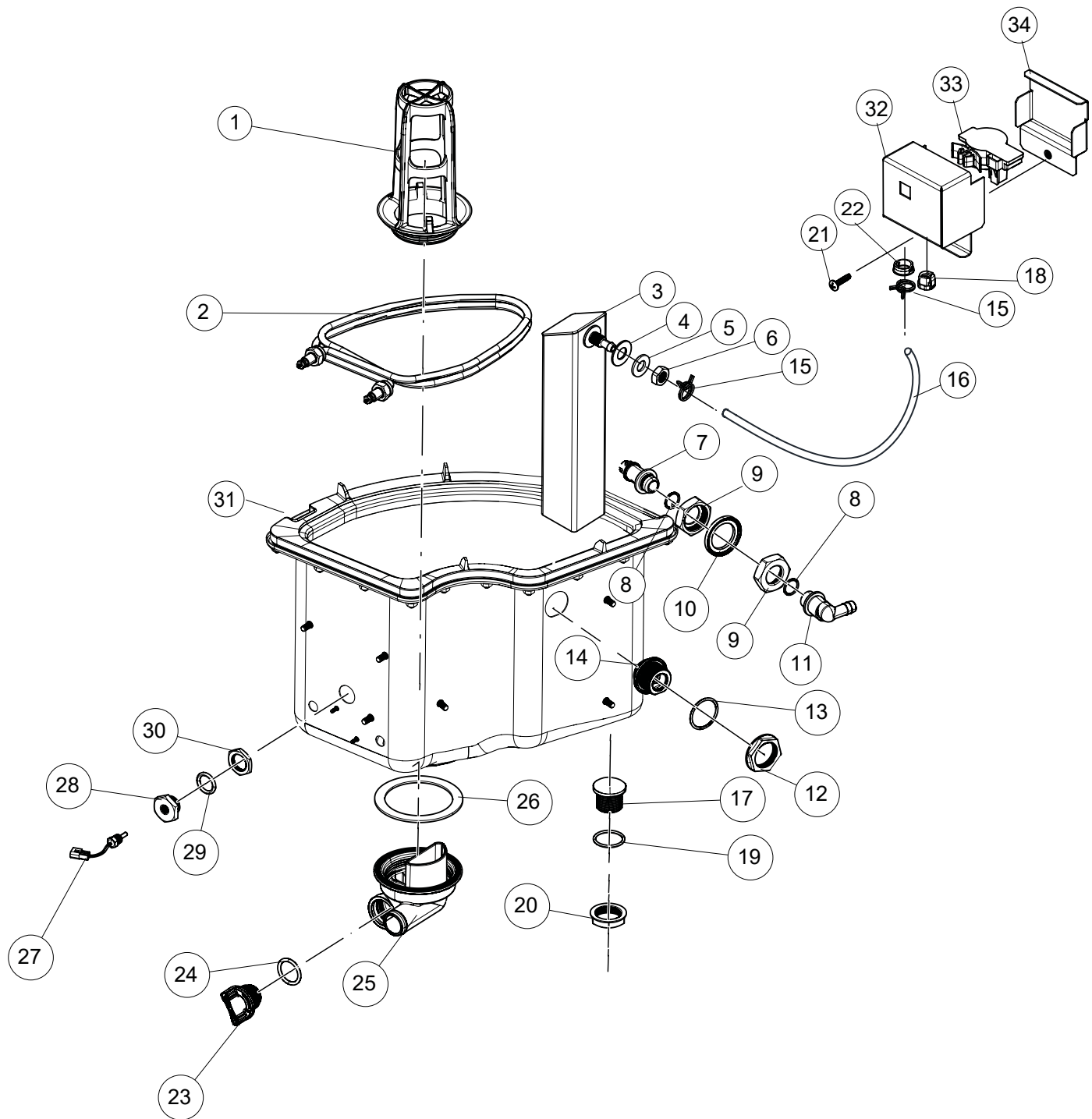


Item No.	Part No.	Description	Qty.
1	0503574	BUSHING, SMALL STRAIN REL – 7K-2	1
2	0505523	BUSHING, LARGE STRAIN RELIEF 8P-2	1
3	0503647	BUSHING, MED. STRAIN REL -7W-2	1
4	0314921	BOX, CONTROL BOARD	1
5	0514473	NUT, 1/4-20 WH SERRATED SS	3
6	0514829	MOUNT, DISPLAY	1
7	0501412	SCREW, 10-32 X 3/8 TRUSS HEAD PHILLIPS SS	6
8	0514934	SWITCH, PUSH BUTTON	1
9a	0512221	SWITCH, ROCKER DPST 250V NEON	1
9b	0512220	SWITCH, ROCKER DPST 125V NEON	1
10	0715137	WELDMENT, PANEL DISPLAY HINGE MOUNT	1
11a	0514924	LABEL, FACIA START/STOP	1
11b	0514924-1	LABEL, FACIA START/STOP FRENCH	1
12a	0514925	LABEL, FACIA SCREEN	1
12b	0514925-1	LABEL, FACIA SCREEN FRENCH	1
13	0514831	BOARD, DISPLAY	1
14	0515178	SCREW, 8-16 X 1/4" PHILLIPS SS	4
15	0314922	COVER, CONTROL BOX	1
16	0501403	SCREW, 10-32 X 3/4 ROUND HEAD PHILLIPS BRASS	1
17	0501493	WASHER LOCK #10 EXT. TOOTH BR	1
18	0501533	NUT, BRASS 10-32	3
19	0501472	WASHER, FLAT 1/8 X 1/2 BRASS	2
20	0515214	FUSE 2 AMP CERAMIC 250 V 5X20MM	2
21	0514830	BOARD, CONTROL	1
22	0512972	STANDOFF, 1/4" X 8-32 NYLON	6
23	0501408	SCREW, 8-32 X 1/4 TRUSS HEAD PHILLIPS SS	6
24	0315108	BRACKET, ENCLOSURE DIVIDER	1
25	0503301	LABEL, COVER WARNING/SW/500	1

NOT SHOWN:

0512781	FUSE HOLDER	1
0514923	CONNECTOR, DISPLAY CABLE	1
0515260	HARNESS, WIRING 115V	1
0515256	HARNESS, WIRING 230V	1

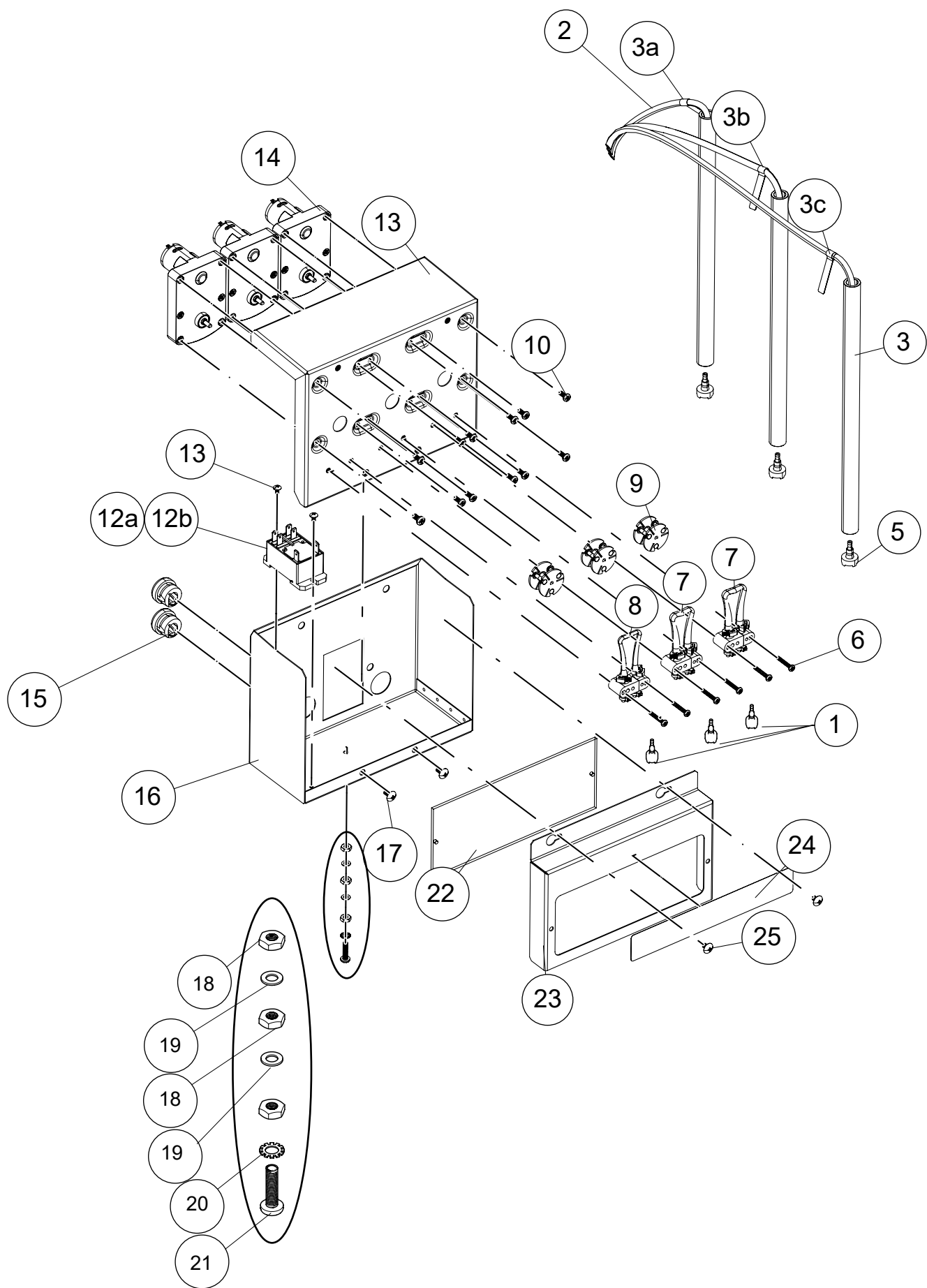
Wash Sump



Wash Sump

Item No.	Part No.	Description	Qty.
1	0514900	COLLAR, WASH TANK DRAIN	1
2	0514821	HEATER, WASH 3KW 240V	1
3	0715250	WELDMENT, AIR TRAP GLASSWASHER	1
4	104618	WASHER 3/8 X 7/8 X 1/16 SST	1
5	0514249	GASKET, AIR TRAP GLASSWASHER	1
6	0515229	NUT, 3/8-24 THIN HEX SS	1
7	0515162	NOZZLE, DF SUMP WATER INLET	1
8	0515165	ORING, 5/8ID X 1/16 70A DURO SILICONE (-016)	2
9	0515164	NUT, DF SUMP WATER INLET RETENTION	2
10	0515127	SEAL, HARBOR CHAMBER NOZZLE	1
11	0515161	ELBOW, DF SUMP WATER INLET	1
12	0515163	NUT, DF SUMP BULKHEAD	1
13	0515166	ORING, 1-5/16ID X 3/32 70A DURO SILICONE (-125)	1
14	0515167	FITTING, DF SUMP BULKHEAD	1
15	0513969	HOSE CLIP	2
16	H160121	HOSE 5x9 EPDM BLACK 4.375 INCHES LONG	1
17	0515253	PLUG, SUMP (IF APPLICABLE)	1
18	0515177	HEYCO	1
19	0514987	ORING, 1 3/16ID X 3/32 70A DURO SILICONE (-123)	2
20	0514962	NUT, WATER LEVEL SENSOR HOUSING	1
21	0510884	SCREW, 1/4-20 X 1/2 TRUSS HEAD PHIL	1
22	0514431	BUSHING, SHORT 5/8" NYLON	1
23	0514902	PLUG, DRAIN CLEAN OUT	1
24	0514903	ORING, 1 ID X 1/8 70A DURO SILICONE (-214)	1
25	0514899	DRAIN, WASH TANK	1
26	0514901	GASKET, WASH TANK DRAIN	1
27	0513310	THERMISTER, PROBE ASSY UCTR.	1
28	0512299	ADAPTER, THERMOMETER DIGITAL	1
29	0501836	ORING, 500HT #210 BUNA	1
30	201029-1	NUT, LOCK 1/2" 3/16" THK NI PLATED	1
31	0715140	SUMP ASSEMBLY	1
32	0315228	HOUSING, TRANSDUCER DFM8	1
33	0515225	SENSOR, WATER LEVEL GLASSWASHER	1
34	0315227	CLAMP, TRANSDUCER DFM8	1

Chemical Pump

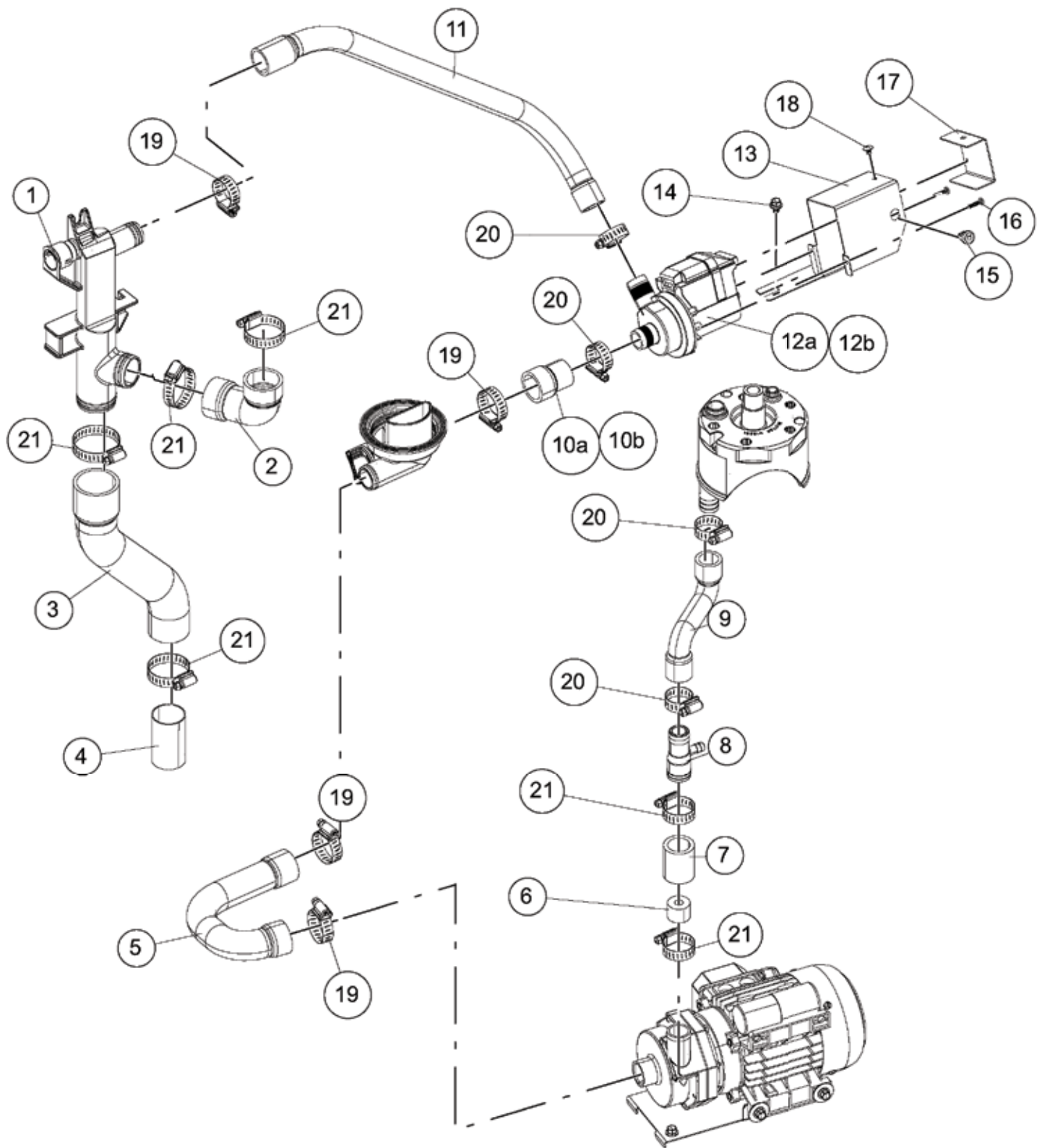


Chemical Pump

Item No.	Part No.	Description	Qty.
1	0513745	CHECK VALVES	3
2	0502666	HOSE, 1/8IDX1/4OD PVC BEVERAGE /PER FT	3
3a	0503694	LABEL, SANITIZER	1
3b	0505483	LABEL, RINSE	1
3c	0503695	LABEL, DETERGENT	1
4	0306363	TUBE, 3/8X12" LG. STIFFENER	3
5	0501869	STRAINER	3
6	0506589	SCREW, PAN 6-32X7/8 SS PHILLIPS	6
7	0706635	TUBE, ELEMENT 45CC (DET, SAN)	2
8	0706634	TUBE, ELEMENT ASSEMBLY 15CC	1
9	0707142	ROTOR, MOULDED	3
10	0504822	SCREW, 8-32 X 1/2 PAN HD PH S. S	12
11	0314919	BRACKET, CHEMICAL PUMP MOUNT	1
12a	0513106	RELAY, DPST 30A 240VAC 120V COIL	1
12b	0514162	RELAY, DPST 30A 240VAC 240V COIL	1
13	104883	SCREW 6-32 X 3/8 ROUND HD	2
14	0501353	MOTOR, 140 RPM 12VDC	3
15	0505523	BUSHING, LARGE STRAIN RELIEF (8P-2)	2
16	0314918	WRAP, CHEMICAL PUMP BOX	1
17	0501412	SCREW, 10-32 X 3/8 TRUSS HEAD PHILLIPS SS	4
18	0501533	NUT, BRASS 10-32	3
19	0501472	WASHER, FLAT 1/8 X 1/2 BRASS	2
20	0501493	WASHER LOCK #10 EXT. TOOTH BR	1
21	0501403	SCREW, 10-32 X 3/4 ROUND HEAD PHILLIPS BRASS	1
22	0315194	WINDOW, CHEMICAL PUMP COVER	1
23	0315193	COVER, CHEMICAL PUMP	1
24a	0515191	LABEL. CHEMICAL TUBE	1
24b	0515191-1	LABEL. CHEMICAL TUBE, FRENCH	1
25	0504823	RIVET, POP 1/8 ALUMINUM	2
26	0715190	KIT, GLASS WASHER SQUEEZE TUBES	1
ITEMS INCLUDED IN KIT:			
7	0706635	TUBE, ELEMENT 45CC (DET, SAN)	2
8	0706634	TUBE, ELEMENT ASSEMBLY 15CC	1
(NOT SHOWN FOR KIT:)			
	0501519	TIE, NYLON	6
	0515199	LABEL, DATE STICKER REPLACEMENT	1
NOT SHOWN:			
	0515858	POWER CORD, 230V	1
*	0515119	POWER CORD, 115V	1

*** 115 VOLT MODEL ONLY**

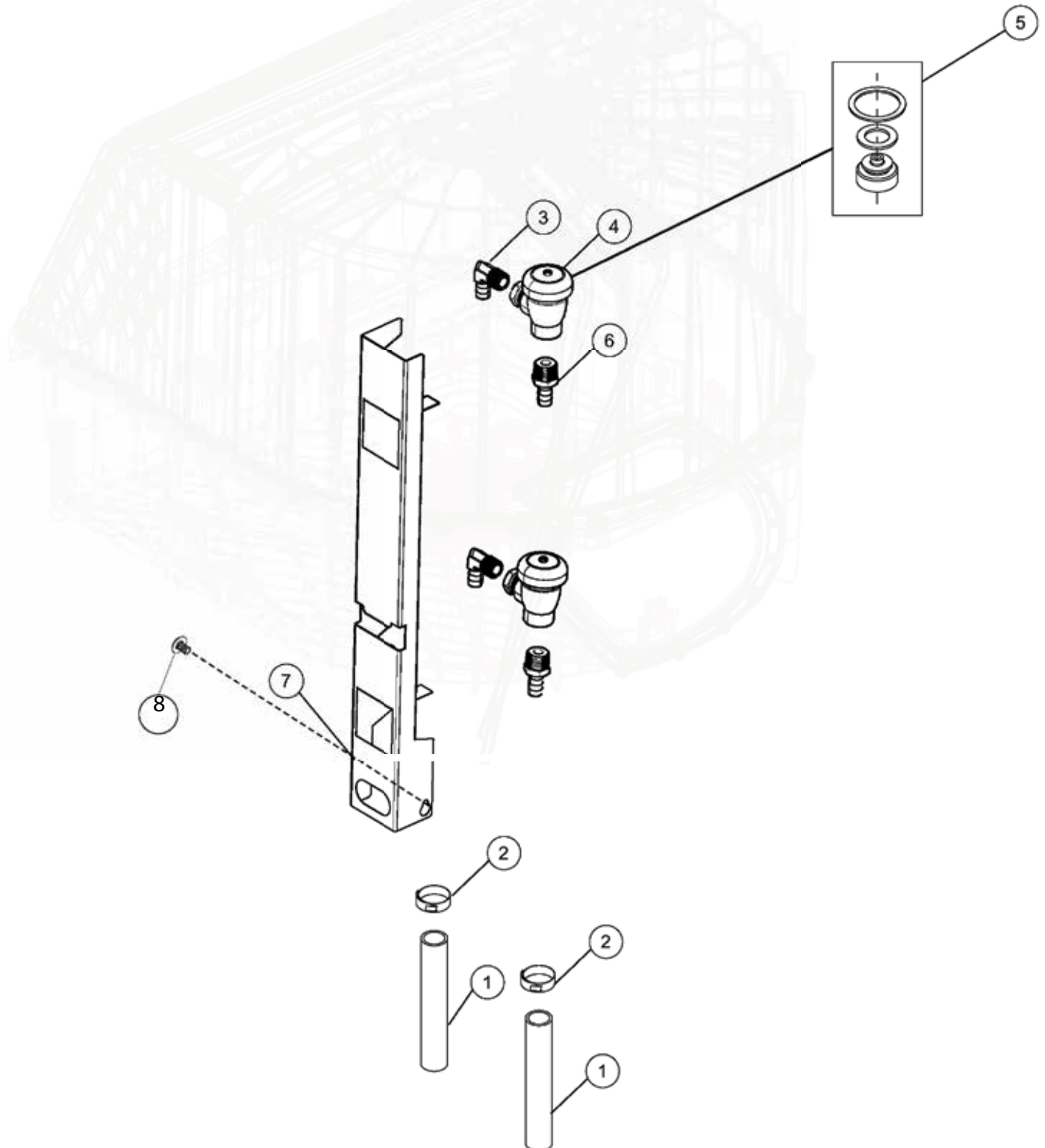
Plumbing Assembly



Plumbing Assembly

Item No.	Part No.	Description	Qty.
1	0514950	MANIFOLD, DRAIN	1
2	0514943	HOSE, MOLDED RINSE DRAIN	1
3	0514944	HOSE, MOLDED DRAIN MANIFOLD TO MACHINE DRAIN	1
4	0315195	TUBE, DF DRAIN CONNECTOR 1.5 OD X 2.5L SS	1
5	0514945	HOSE, MOLDED WASH PUMP SUCTION	1
6	0515107	RESTRICTOR, PUMP FLOW (G250229640 to G260230567)	1
7	0502668	HOSE, 1IDX1-3/8OD PVC BEVERAGE /PER FT	1
8	0514992	TEE, WASH PUMP DISCHARGE	1
9	0514946	HOSE, MOLDED WASH PUMP DISCHARGE	1
10a	0515169	HOSE, MOLDED DRAIN PUMP SUCTION 230V	1
10b*	0502668	HOSE, DRAIN PUMP SUCTION 120V	1
11	0514942	HOSE, MOLDED DRAIN PUMP DISCHARGE	1
12a	0514040	PUMP, DRAIN 230V	1
12b*	0512227	PUMP, DRAIN 115V 60 HZ.	1
13	0314966	BRACKET, DRAIN PUMP MOUNT	1
14	0512185	BOLT, HEX FLANCE1/4-20 X 3/8 SS	1
15	0515177	BUSHING, STRAIN RELIEF 4N-4	1
16	0511082	BOLT, HEX FLANGE1/4-20 X 1/2 SS	2
17	0315196	BRACKET, DRAIN PUMP WIRING ENCLOSURE	1
18	0501412	SCREW, 10-32 X 3/8 TRUSS HEAD PHILLIPS SS	1
19	0502563	CLAMP, HOSE GEAR SS 3/8 - 1 1/2" #16	5
20	0508808	CLAMP, SS GEAR-MI11/16-MA1-1/4#12	3
21	0502571	CLAMP, HOSE GEAR S/S 1 1/16- 2" #24	6

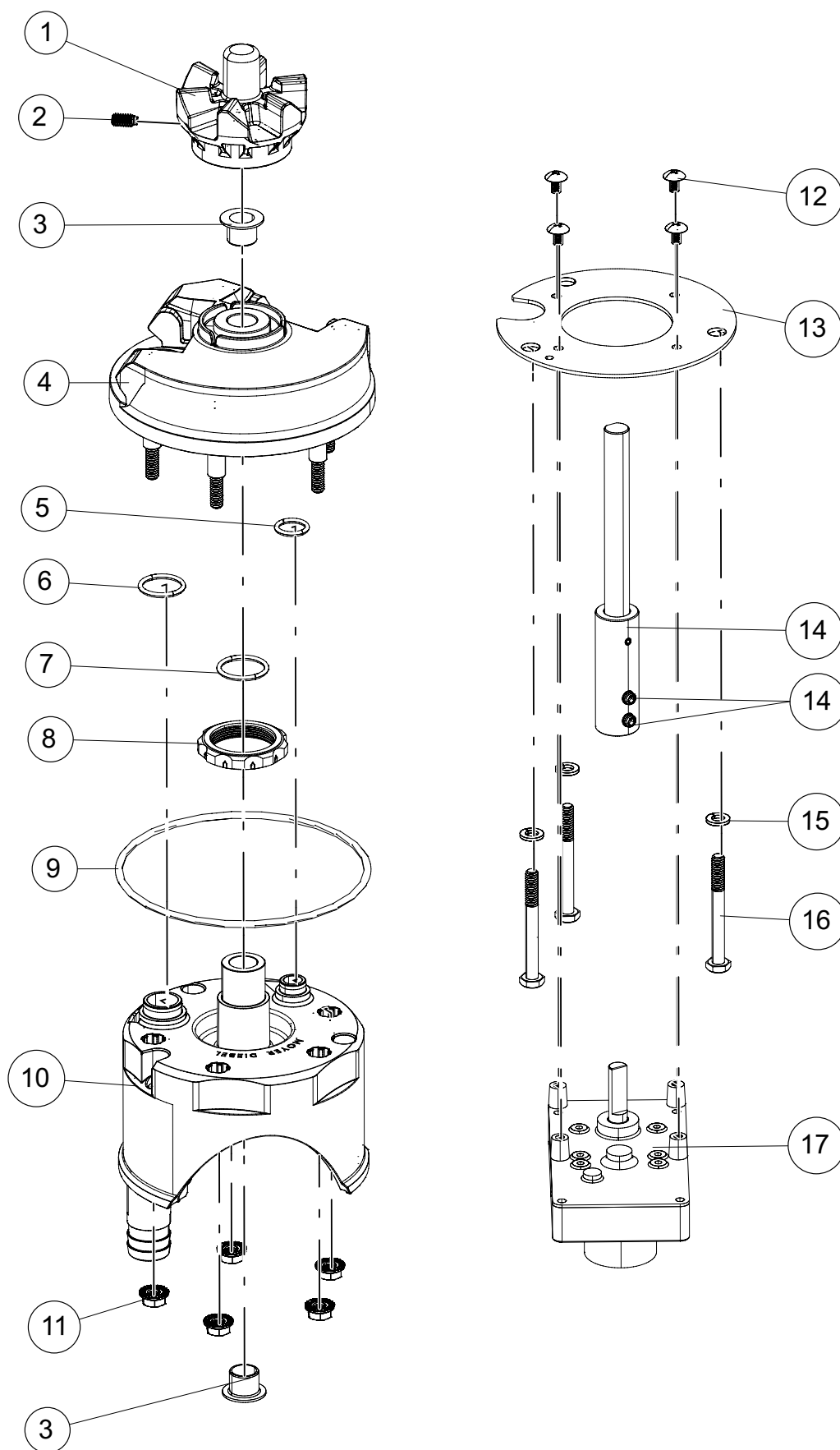
Vacuum Breaker Assembly



Vacuum Breaker Assembly

Item No.	Part No.	Description	Qty.
1	0502665	HOSE, 1/2" I.D. BRAIDED	A/R
2	0503679	CLAMP, 7/16" GEAR	2
3	0502653	BARB, HOSE 3/8" MPT X 1/2" 90°	1
4	117862	BREAKER, VACUUM 1/2"	1
5	0708366	KIT, REPAIR VACUUM BREAKER	1
6	0502651	COUPLER, HOSE 1/2" MPT X 1/2"	1
7	0314935	SUPPORT, PLUMBING	1
8	100778	SCREW 1/4-20 x 3/8 TRUSS HD	1

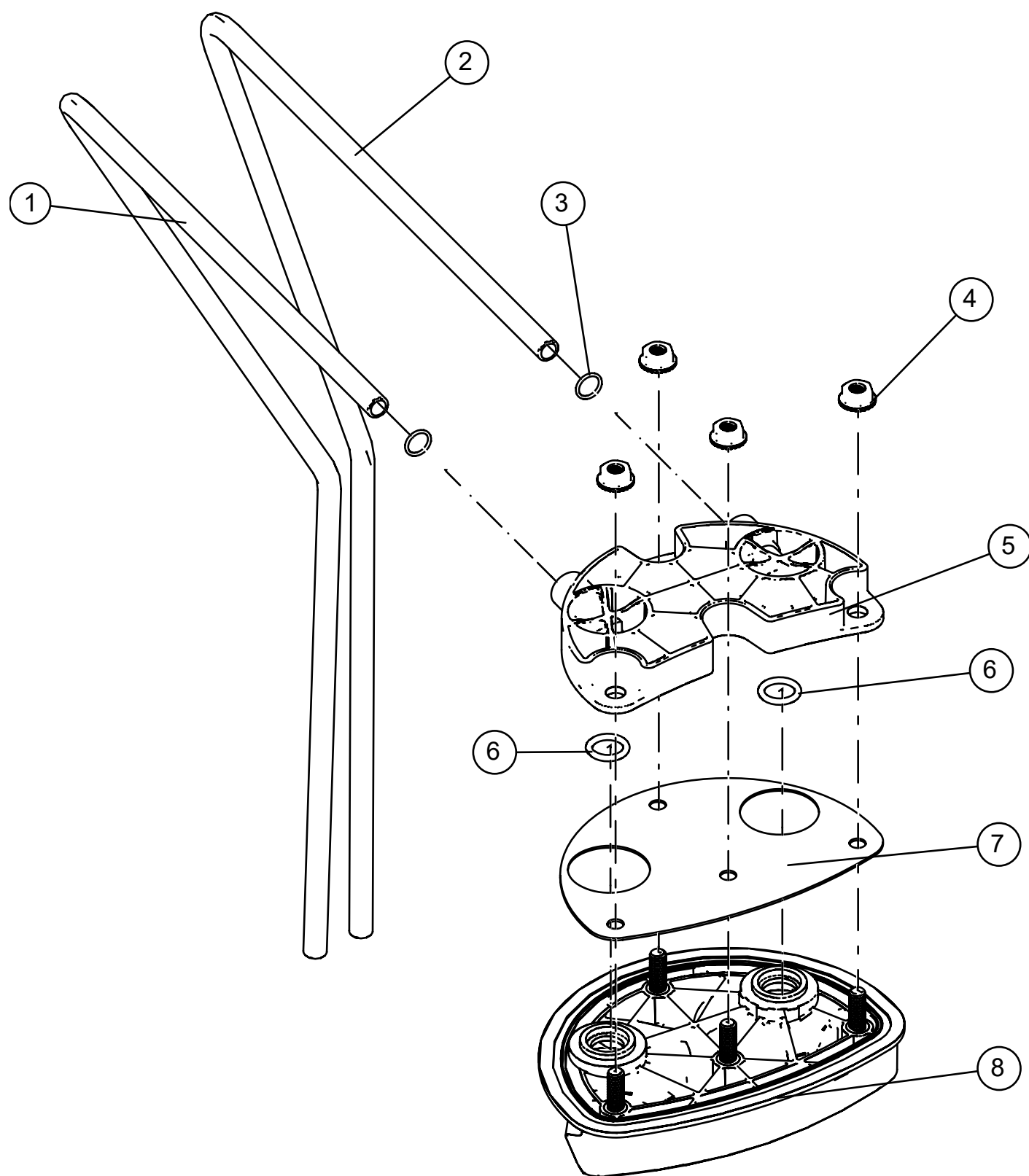
Lower Wash Arm Assembly



Lower Wash Arm Assembly

Item No.	Part No.	Description	Qty.
1	0514897	HUB, CONVEYOR DRIVE	1
2	0501395	SCREW, SOCKET 1/4-20X5/16 SS	2
3	0514898	BUSHING, CONVEYOR DRIVE SHAFT	2
4	0514893	MANIFOLD, BOTTOM UPPER	1
5	0512099	ORING, #112 SILICONE HEATER U/C	1
6	0514906	ORING, 3/4 ID X 3/32 70A DURO SILICONE (-116)	1
7	0515150	ORING, 7/8 ID X 3/32 70A DURO SILICONE (-118)	1
8	0514998	NUT, INNER HUB MOUNTING	1
9	0514894	ORING, 4-7/8 ID X 1/8 70A DURO SILICONE (-249)	1
10	0514892	MANIFOLD, BOTTOM LOWER	1
11	0514473	NUT, 1/4-20 WH SERRATED SS	5
12	0509439	SCREW, 10/32 X 5/16 HEX/WS/HD SS	4
13	0314895	PLATE, CONVEYOR DRIVE MOTOR MOUNT	1
14	0715216	SHAFT, CONVEYOR DRIVE	1
15	0501501	WASHER, SPLIT LOC 1/4i 304SS	3
16	0510854	SCREW, DOG PT 1/4 -20X1/2 S/S	3
17	0514822	MOTOR, CONVEYOR DRIVE BLDC	1
18	0515217	SCREW, 1/4-20 X 2" SOCKET HEAD CAP 18-8 SS	1

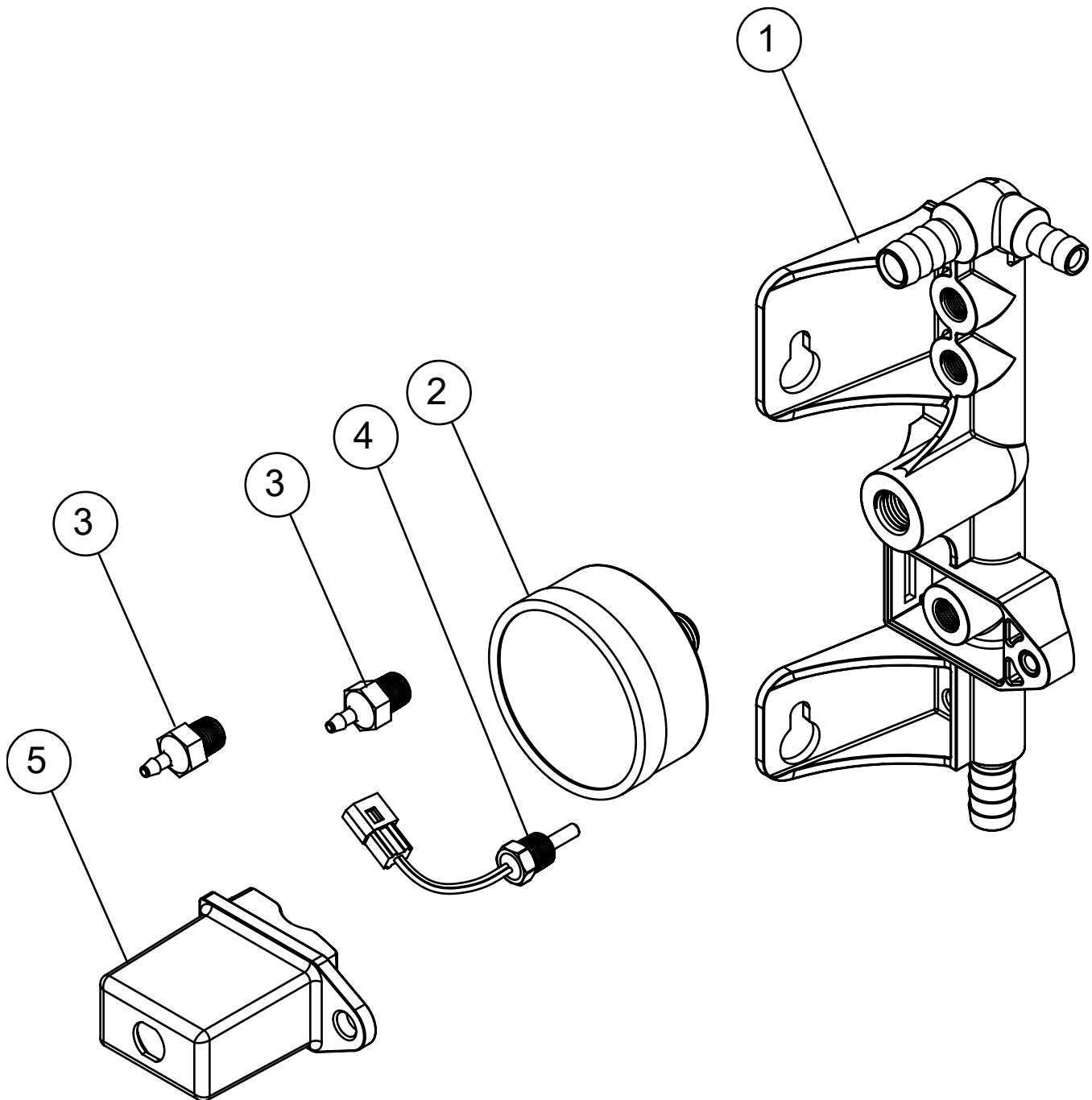
Upper Wash Arm Assembly



Upper Wash Arm Assembly

Item No.	Part No.	Description	Qty.
1	0314838	TUBE, UPPER WASH SUPPLY	1
2	0314838-1	TUBE, UPPER RINSE SUPPLY	1
3	0514885	ORING, 9MM ID X 1.5MM 70A DURO SILICONE	2
4	0514473	NUT, 1/4-20 WH SERRATED SS	4
5	0514886	MANIFOLD, TOP UPPER	1
6	0512099	ORING, #112 SILICONE	2
7	0514999	GASKET, UPPER HUB	1
8	0514887	MANIFOLD, TOP LOWER	1

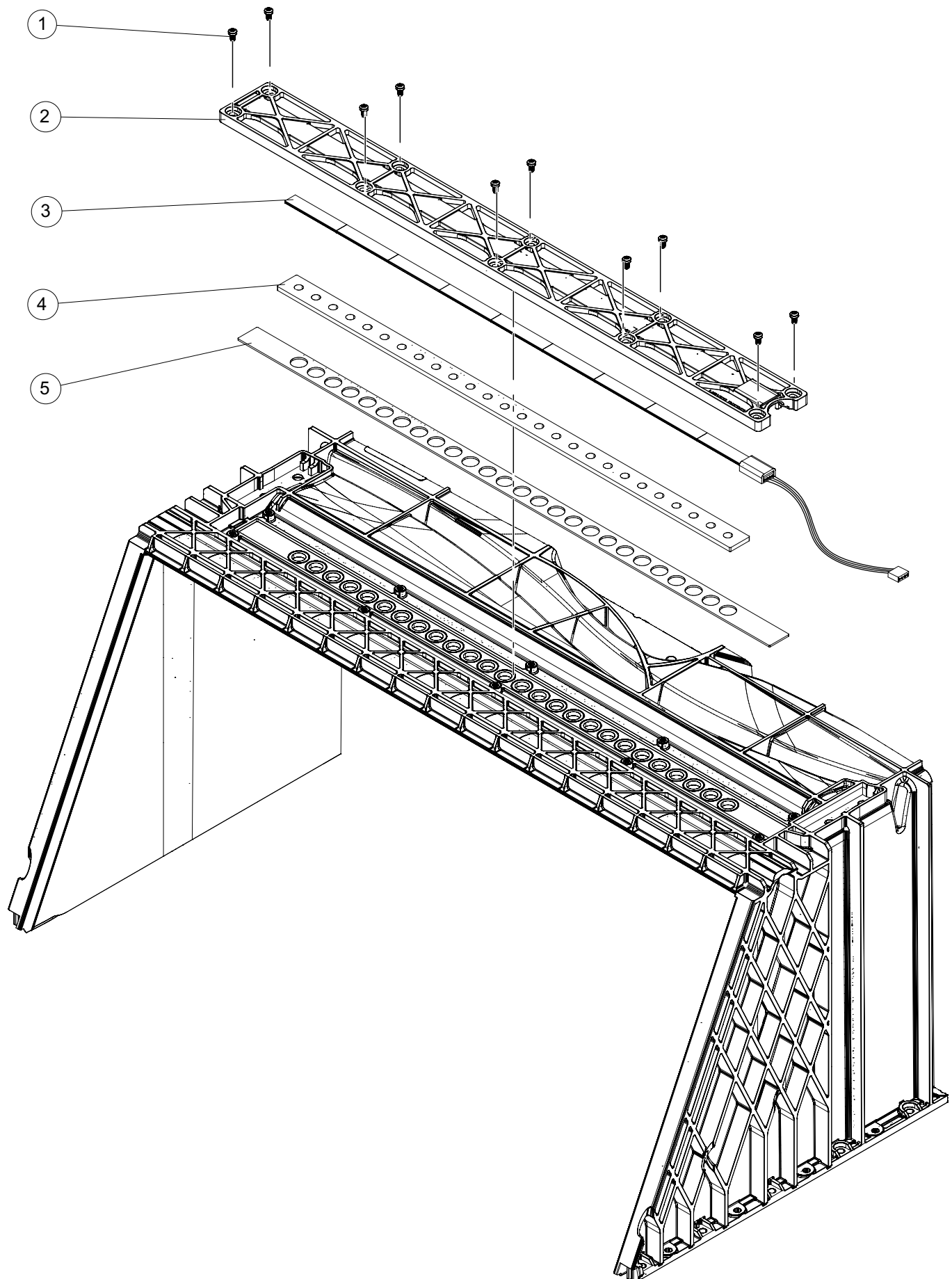
Chemical Injection Assembly



Chemical Injection Assembly

Item No.	Part No.	Description	Qty.
1	0514937	MANIFOLD, RINSE PLUMBING	1
2	0515168	GAUGE, PRESSURE	1
3	0502645	HOSE BARB, 1/8i MOULDED	2
4	0513310	THERMISTOR, PROBE ASSY UCTR.	4
5	0514938	COVER, SANITIZER MANIFOLD	1
6	0515177	BUSHING, STRAIN RELIEF 4N-4 N/S	2
7	1000737	SCREW 1/4-20 x 1/2 TRUSS HD	1

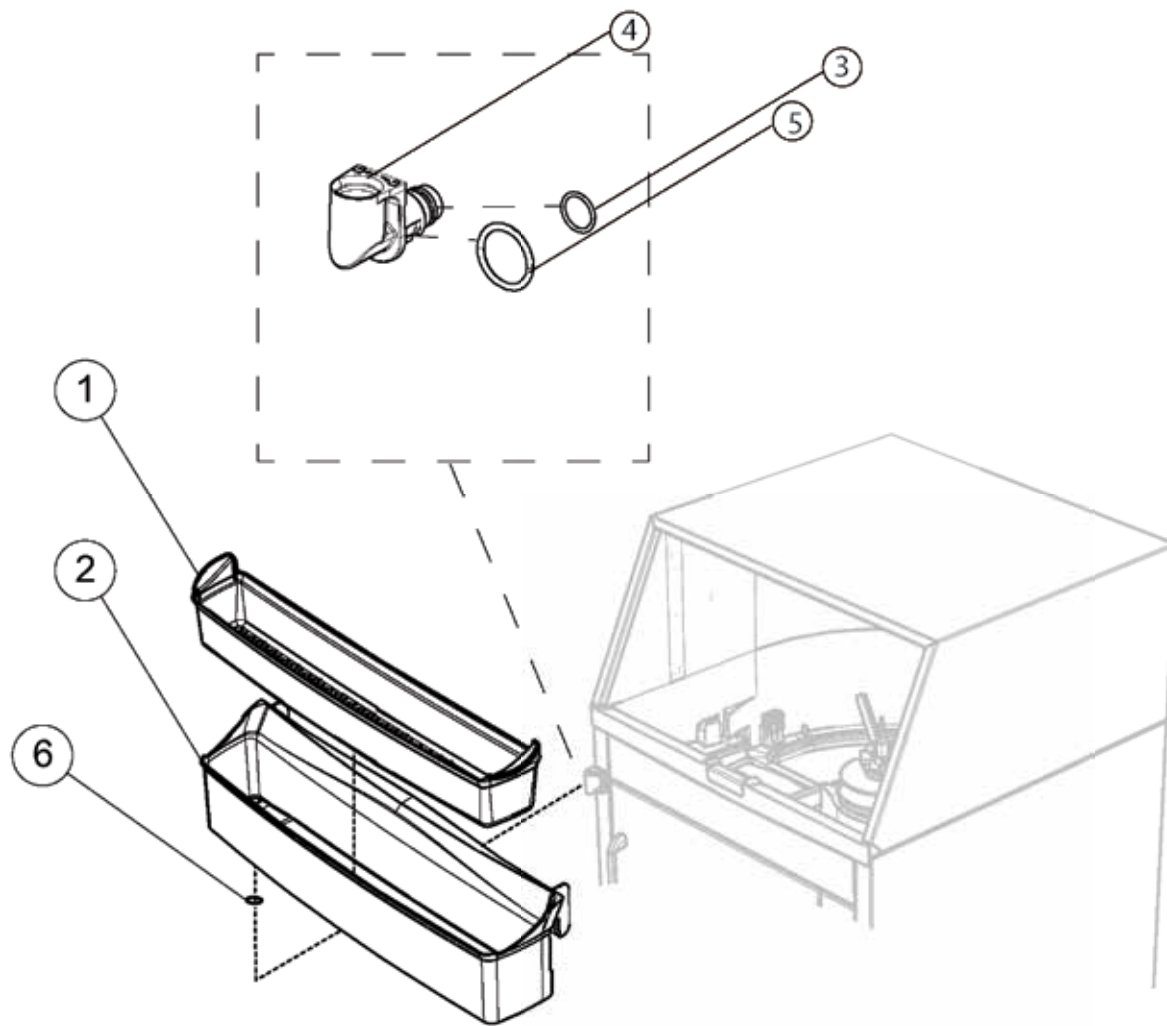
LED Assembly



LED Assembly

Item No.	Part No.	Description	Qty.
1	0515184	SCREW, M3.5 X 6 TORX PANHEAD SS	10
2	0515112	COVER, LED PANEL	1
3	0715118	LED, LIGHT STRIP MULTI COLOURED	1
4	0515113	LENS, TANK LED	1
5	0515114	GASKET, LED LENS	1

Waste Tray Assembly



Waste Tray Assembly

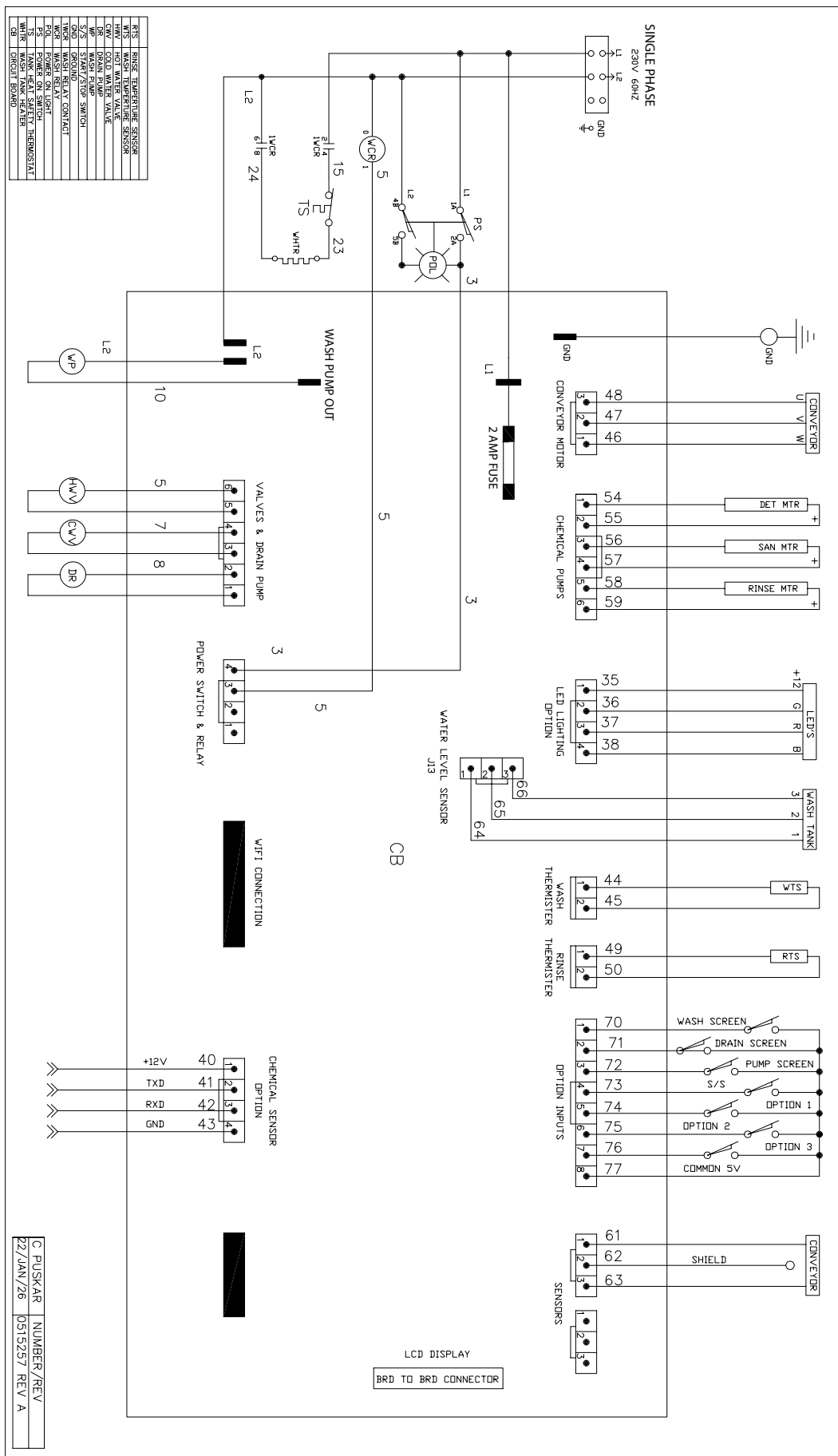
Item No.	Part No.	Description	Qty.
1	0515146	SCREEN, DRAIN TRAY	1
2	0515147	TRAY, DRAIN	1
3	0515151	ORING, 9/16 ID X 1/16 70A DURO SILICONE	1
4	0514952	FITTINGS. DRAIN TRAY	1
5	0515150	ORING, 7/8ID X 3/32 70A DURO SILICONE (-118)	1
6	0512099	ORING, #112 SILICONE HEATER U/C	1
7	0715145	KIT, DRAIN TRAY DFM8 WHICH INCLUDES ITEMS 1 TO 7	1

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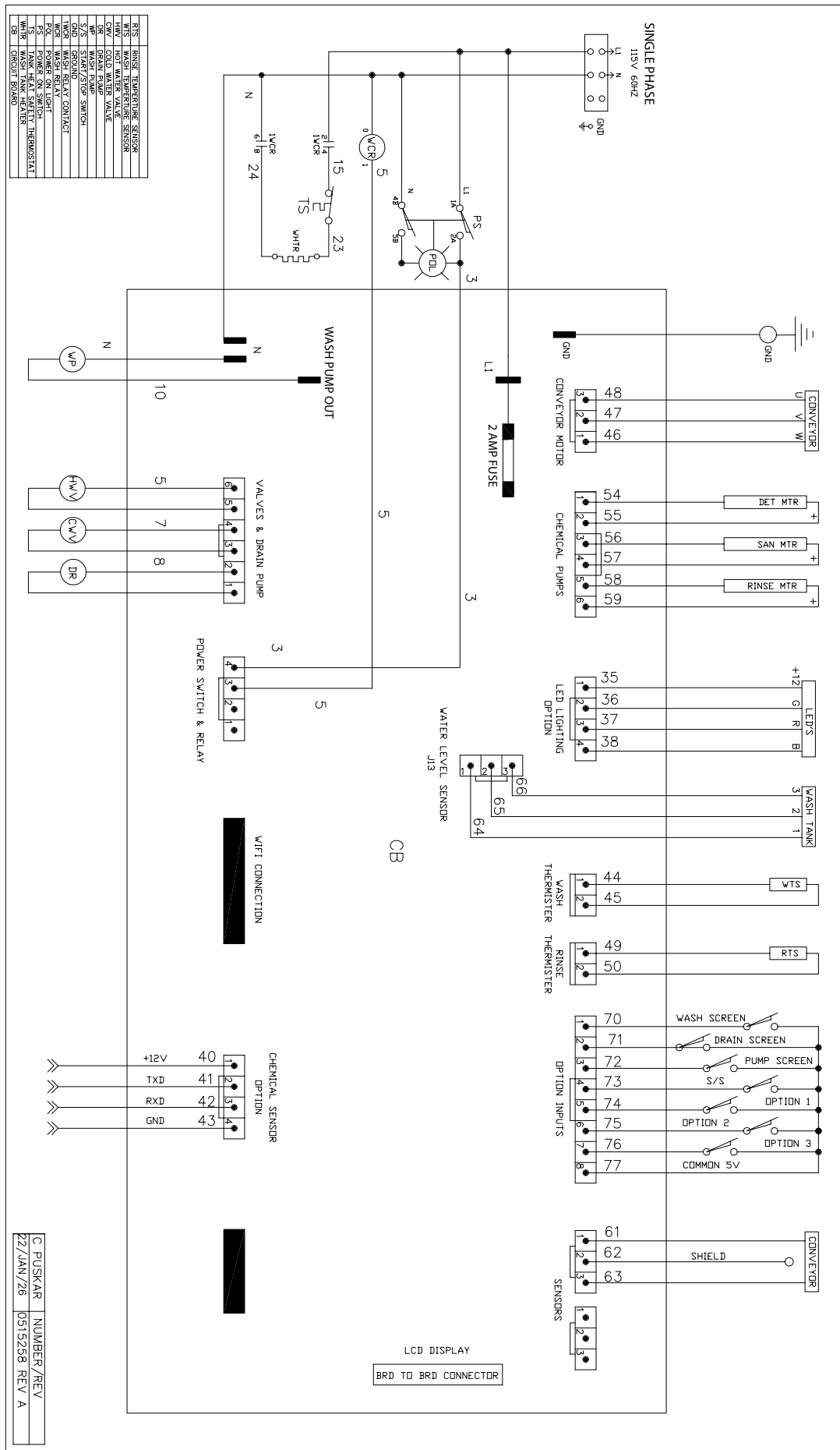
0701962	CASTER KIT, DF	A/R
0515155	MAT, BAR 24 X 17	A/R
0707258	QUICK DISCONNECT PACKAGE	A/R

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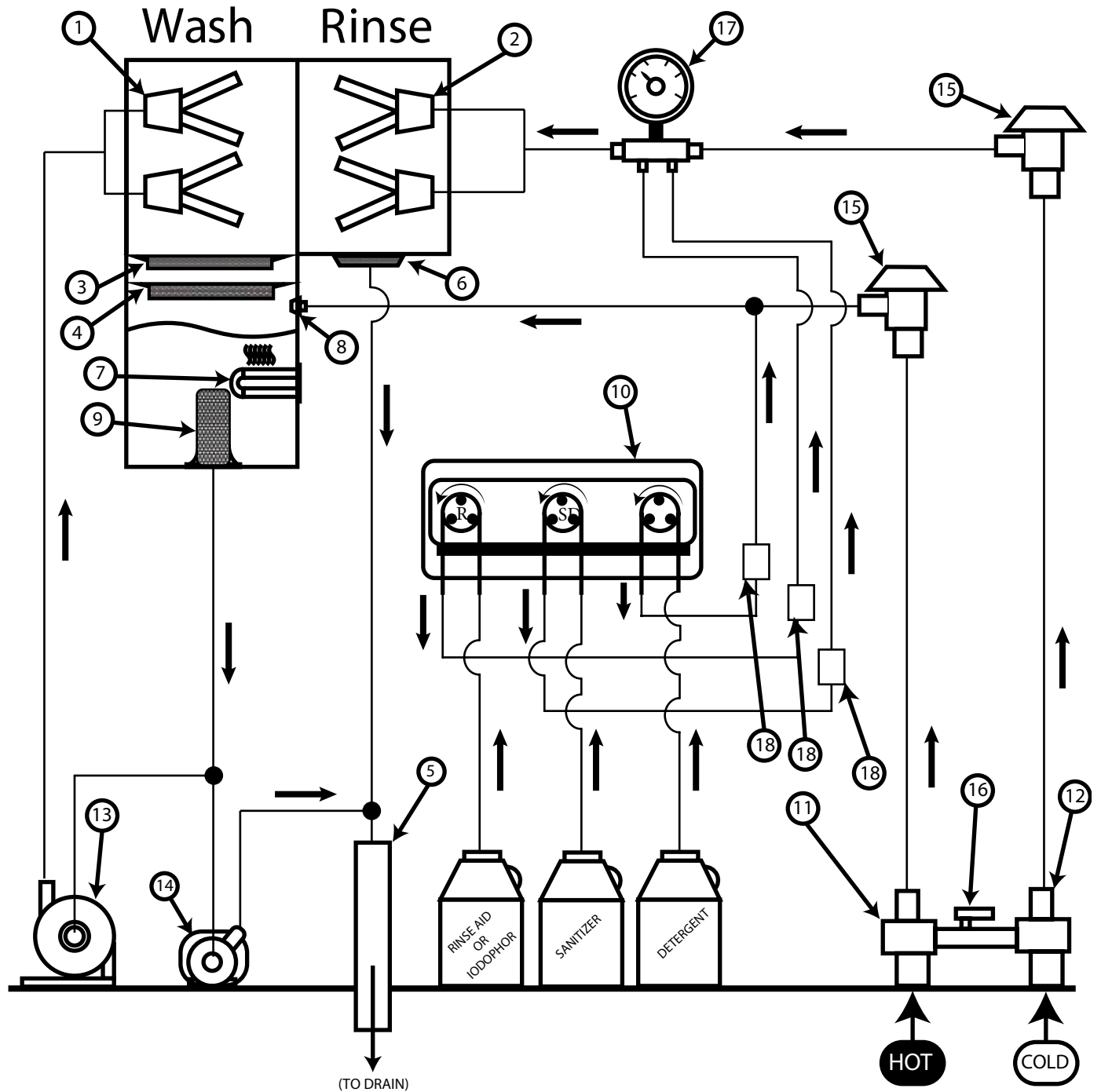
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Electrical Schematic- 115 Volt



Water flow chart



- | | |
|-----------------------|----------------------------|
| 1. Wash arm | 10. Chemical pump assembly |
| 2. Rinse arm | 11. Hot water valve |
| 3. Scrap screen | 12. Cold water valve |
| 4. Wash tank screen | 13. Wash pump |
| 5. Drain | 14. Drain pump |
| 6. Rinse drain screen | 15. Vacuum breaker |
| 7. Heater | 16. Mixing valve |
| 8. Fill nozzle | 17. Pressure gauge |

FLOW CHART
REV B

