Jackson®
WAREWASHING SYSTEMS

INSTALLATION, OPERATION, AND SERVICE MANUAL

ENERGY STAR

TEMPSTAR SERIES DOOR-TYPE DISHMACHINES

TempStar LT Manual • 07610-005-18-24-A

TEMPTSAR® LT

MANUFACTURER'S LIMITED WARRANTY
(APPLICABLE ONLY IN THE UNITED STATES AND CANADA)

WARRANTY REGISTRATION:

To register your Jackson Dishmachine's warranty go to **jacksonwws.com/warranty** or call 1-888-800-5672. Failure to register the Dishmachine will void the warranty.

ONE YEAR LIMITED PARTS AND LABOR WARRANTY

For a period of one (1) year from date of original installation of a new Jackson Dishmachine (but in no event to exceed eighteen (18) months from date of shipment from Jackson's factory), Jackson WWS, Inc. (Jackson) will repair or replace, at its discretion, any original part that proves defective in materials or workmanship at the time the Dishmachine was purchased; provided that (i) the Dishmachine has not been altered, (ii) the Dishmachine has been properly installed, maintained, and operated under normal use conditions and in accordance with the applicable installation, operation and service manual available on the Jackson website, and (iii) a warranty claim is reported to a Jackson Authorized Service Agency within the warranty period. This warranty includes replacement with Jackson specified genuine replacement parts, purchased directly from a Jackson Authorized Parts Distributor or Service Agency. Use of generic replacement parts may create a hazard and shall void this warranty.

THIS WARRANTY DOES NOT APPLY OUTSIDE THE UNITED STATES AND CANADA.

Jackson will pay the labor to repair or replace a defective original part as a part of the warranty, provided that a Jackson Authorized Service Agency performs the labor. Any repair or replacement work by anyone other than a Jackson Authorized Service Agency is the sole responsibility of the purchaser. Labor coverage is limited to regular hourly rates; Jackson will not pay overtime premiums or emergency service charges.
Accessory components (such as table limit switches, pressure regulators, and drain water tempering kits) that are not installed by Jackson at the factory and are shipped with the Dishmachine carry only a (1) one-year parts warranty. Labor to repair or replace these components is not included in the warranty or covered by Jackson. Booster heaters not manufactured by Jackson are not covered by this warranty but are warranted by their respective manufacturers.
This warranty is void if any defect or failure is a direct result from shipping, handling, fire, water, accident, alteration, modification, misuse, abuse, flood, acts of God, burglary, casualty, attempted repair by unauthorized persons, use of replacement parts not authorized by Jackson, improper installation, installation not in accordance with local electrical and plumbing codes, if the serial number has been removed or altered, if the Dishmachine is used for any purpose other than originally intended, or if the equipment is installed for residential use.
Jackson does not authorize any other entity or person, including, without limitation, any entity or person who deals in Jackson Dishmachines, to change this warranty or create any other obligation in connection with Jackson Dishmachines.

TRAVEL LIMITATIONS:

Jackson limits warranty travel time to the customer site within 50 miles of the Jackson authorized service agent's office and during regular business hours. Jackson will not pay for travel time and mileage that exceeds these limits, or any fees such as those for air or boat travel without prior authorization.

REPLACEMENT PARTS WARRANTY:

For a period of (90) ninety days from the date of installation by a Jackson Authorized Service Agency (but in no event to exceed (180) one-hundred-eighty days from the date of purchase from a Jackson Authorized Parts Distributor or Service Agency), Jackson will repair or replace, at its discretion, any Jackson genuine replacement parts that prove defective in materials or workmanship at the time the replacement parts were installed. This warranty does not include paying the labor to repair or replace the replacement part. This warranty is subject to all conditions, exclusions and limitations applicable to the Dishmachine.

MANUFACTURER'S LIMITED WARRANTY (CONT.)
(APPLICABLE ONLY IN THE UNITED STATES AND CANADA)

PRODUCT CHANGES:

Jackson reserves the right to make changes in design and specification of any component of the Dishmachine as engineering or necessity requires.

DISCLAIMER OF WARRANTIES:

THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, THAT ARE NOT SET FORTH HEREIN, OR THAT EXTEND BEYOND THE DURATION HEREOF.

LIMITATION OF REMEDIES AND LIABILITIES:

YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR OR REPLACEMENT AS PROVIDED HEREIN.

UNDER NO CIRCUMSTANCES WILL JACKSON BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THE NATURE OF PENALTIES. JACKSON'S LIABILITY ON ANY CLAIM OF ANY KIND WITH RESPECT TO THE GOODS OR SERVICES COVERED HEREUNDER SHALL IN NO CASE EXCEED THE PRICE OF THE GOODS OR SERVICES OR PART THEREOF WHICH GIVES RISE TO THE CLAIM.

ITEMS NOT COVERED:

THIS WARRANTY DOES NOT COVER (1) ADJUSTMENTS INCLUDING, BUT NOT LIMITED TO, TIMER CAMS, THERMOSTATS, DOORS, TANK HEATER ADJUSTMENTS OR CLUTCHES; (2) AIR FREIGHT OR OVERNIGHT FREIGHT; (3) ANY AMOUNT EXCEEDING ORIGINAL PURCHASE PRICE; (4) CLEANING OF DRAIN VALVES, GAS LINES, RINSE/WASH NOZZLES, STRAINERS, SCREENS, OR SPRAY PIPES; (5) CLEANING OR DELIMING OF THE DISHMACHINE OR ANY COMPONENT INCLUDING, BUT NOT LIMITED TO, WASH ARMS, RINSE ARMS AND STRAINERS; (6) CONDITIONS CAUSED BY THE USE OF INCORRECT (NON-COMMERCIAL) GRADE DETERGENTS; (7) CORROSION FROM CHEMICALS DISPENSED IN EXCESS OF RECOMMENDED CONCENTRATIONS; (8) COSMETIC DAMAGE, INCLUDING BUT NOT LIMITED TO, SCRATCHES, DENTS, CHIPS, AND OTHER DAMAGE TO THE DISHMACHINE FINISHES, UNLESS SUCH DAMAGE RESULTS FROM DEFECTS IN MATERIALS AND WORKMANSHIP AND IS REPORTED TO JACKSON WITHIN (30) THIRTY DAYS FROM THE DATE OF INSTALLATION; (9) DAMAGE CAUSED BY LABOR DISPUTE; (10) DAMAGES RESULTING FROM IMPROPER CONNECTION TO UTILITY SERVICE; (11) DAMAGES RESULTING FROM WATER CONDITIONS, INADEQUATE OR EXCESSIVE WATER PRESSURE, ACCIDENTS, ALTERATIONS, IMPROPER USE, ABUSE, HANDLING, OVERLOADS, TAMPERING, IMPROPER INSTALLATION OR FAILURE TO FOLLOW MAINTENANCE AND OPERATING PROCEDURES; (12) DISCOLORATION, RUST OR OXIDATION OF SURFACES RESULTING FROM CAUSTIC OR CORROSIVE ENVIRONMENTS, INCLUDING, BUT NOT LIMITED TO, HIGH SALT CONCENTRATIONS, HIGH MOISTURE OR HUMIDITY, OR EXPOSURE TO CHEMICALS; (13) ELECTRIC BOOSTERS, FEED LINES, FLEX HOSE, FUSES, GARBAGE DISPOSALS, OR GAS PILOTS; (14) EXCESSIVE LIME, MINERAL, OR ALKALINE BUILDUP; (15) EXPENSES DUE TO DISCONNECTION, DELIVERY, RETURN AND REINSTALLATION; (16) FAILURE OF ELECTRICAL COMPONENTS DUE TO CONNECTION OF CHEMICAL DISPENSING EQUIPMENT INSTALLED BY OTHERS; (17) FAILURE OF FACILITY WATER HEATER TO MAKE TEMPERATURE; (18) FAILURE TO MAINTAIN WATER HARDNESS LOWER THAN 3.0 GRAINS, PH BETWEEN 7.0 AND 8.5 AND TOTAL DISSOLVED SOLIDS BELOW 250 PPM; (19) FAILURE TO COMPLY WITH LOCAL ELECTRICAL BUILDING CODES; (20) LEAKS OR DAMAGE RESULTING FROM SUCH LEAKS CAUSED BY THE INSTALLER, INCLUDING THOSE AT MACHINE TABLE CONNECTIONS, OR BY CONNECTION OF CHEMICAL DISPENSING EQUIPMENT INSTALLED BY OTHERS; (21) OPENING OR CLOSING OF UTILITY SUPPLY VALVES OR SWITCHING OF ELECTRICAL SUPPLY CURRENT; (22) PERFORMANCE OF REGULAR MAINTENANCE AND CLEANING AS OUTLINED IN THE OPERATOR'S GUIDE; (23) REMOVAL OR REINSTALLATION OF INACCESSIBLE DISHMACHINES OR BUILT-IN FIXTURES THAT INTERFERE WITH SERVICING, REMOVAL OR REPLACEMENT OF THE DISHMACHINE; (24) REPLACEMENT WEAR ITEMS INCLUDING, BUT NOT LIMITED TO, CURTAINS, DRAIN BALLS, DOOR GUIDES, GASKETS, O-RINGS, SEALS, SQUEEZE TUBES, AND BEARINGS; (25) RESIDENTIAL USE; (26) USE WITH UTILITY SERVICE OTHER THAN THAT DESIGNATED ON THE RATING PLATE.

REVISION HISTORY

Revision	Date	Made by	Process	Details
A	9-17-25	JH	N/A	Manual released.

Jackson®
WAREWASHING SYSTEMS

TempStar® Low Temp (LT)

Door-type dishmachine; ENERGY STAR® qualified, electrically-heated, low-temp, chemical sanitizing, with booster heater.

The manufacturer provides technical support for all of the dishmachines detailed in this manual. We strongly recommend that you refer to this manual before making a call to our technical support staff. Please have this manual open when you call so that our staff can refer you, if necessary, to the proper page. Technical support is not available on holidays.

Contact technical support toll free at 1-888-800-5672.

Technical support is available for service personnel only.

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GUIDES

SYMBOLS

- Risk of Injury to Personnel

- Risk of Damage to Equipment


- Risk of Electrical Shock


- Caustic Chemicals


- Reference Data Plate

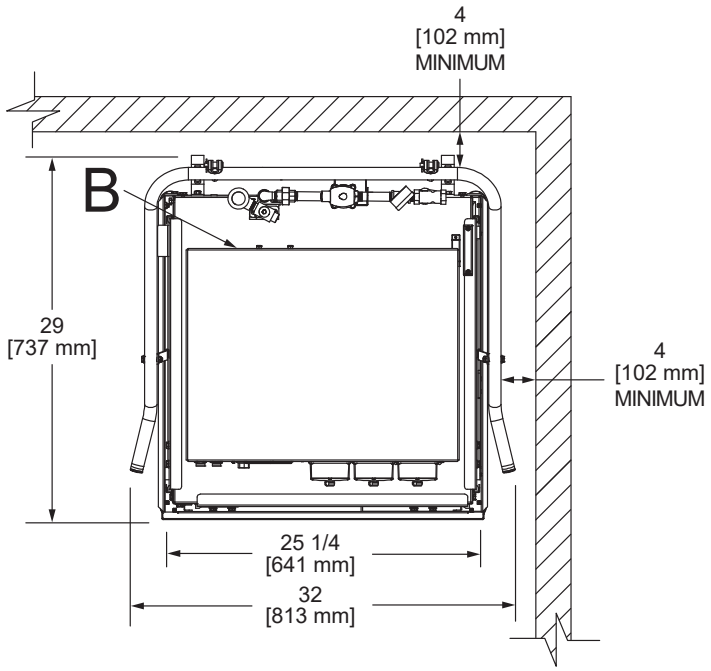

- Lockout Electrical Power

NOTICE - Important Note


- Instructions Hyperlink

ABBREVIATIONS & ACRONYMS

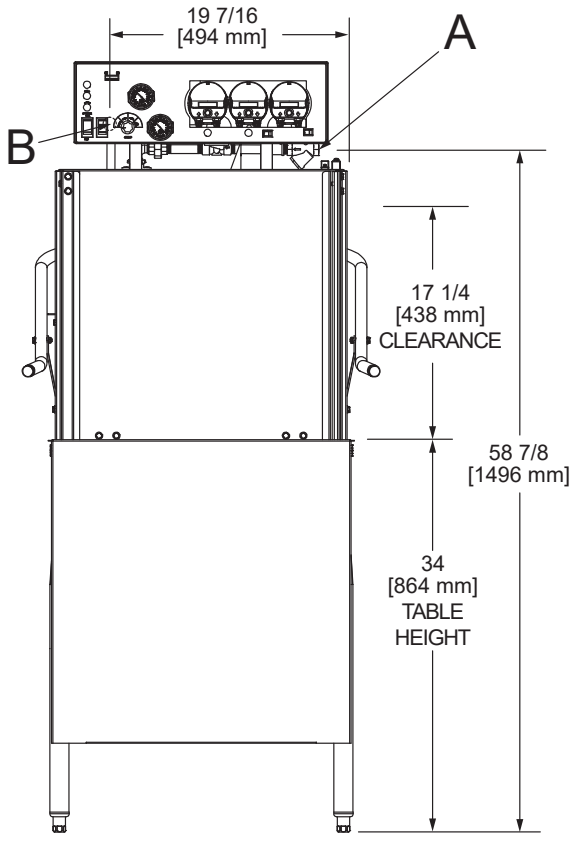
ANSI - American National Standards Institute
Btu/Hr - British Thermal Units per Hour
CFM - Cubic Feet per Minute
GHT - Garden Hose Thread
GPH - Gallons per Hour
GPM - Gallons per Minute
GPG - Grains per Gallon
HP - Horsepower
Hz - Hertz
ID - Inside Diameter
kW - Kilowatts
MCA - Minimum Circuit Ampacity
MOP - Maximum Overcurrent Protection
NFPA - National Fire Protection Association
NPT - National Pipe Thread
OD - Outside Diameter
PRV - Pressure Regulating Valve
PSI - Pounds per Square Inch
V - Volts

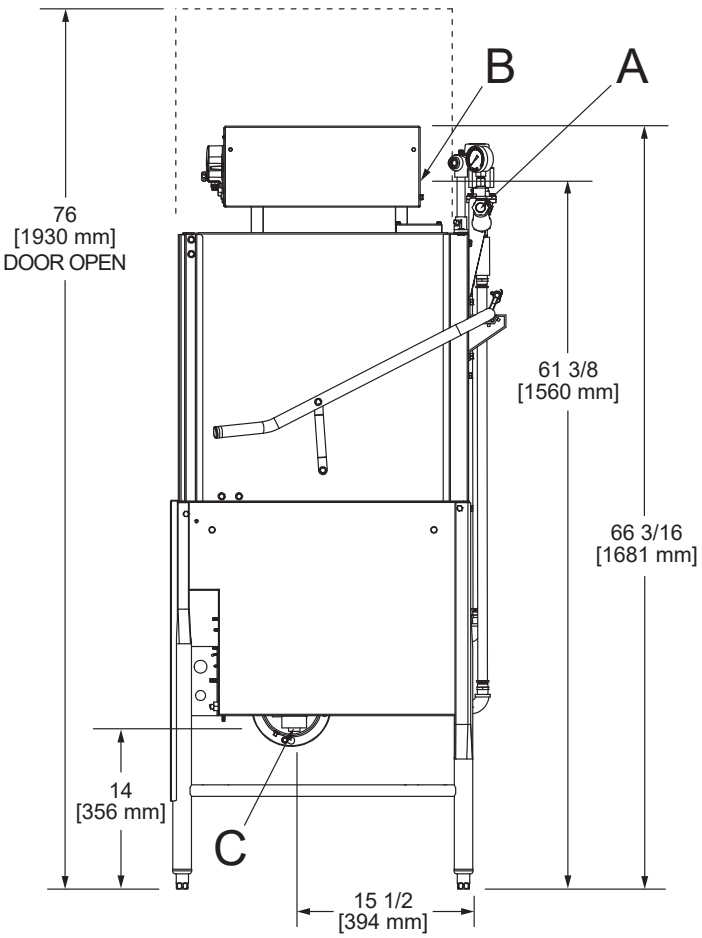


LEGEND

A - Water Inlet (1/2” NPT)
B - Electrical Connection Point
C - Drain (1 1/2” NPT)

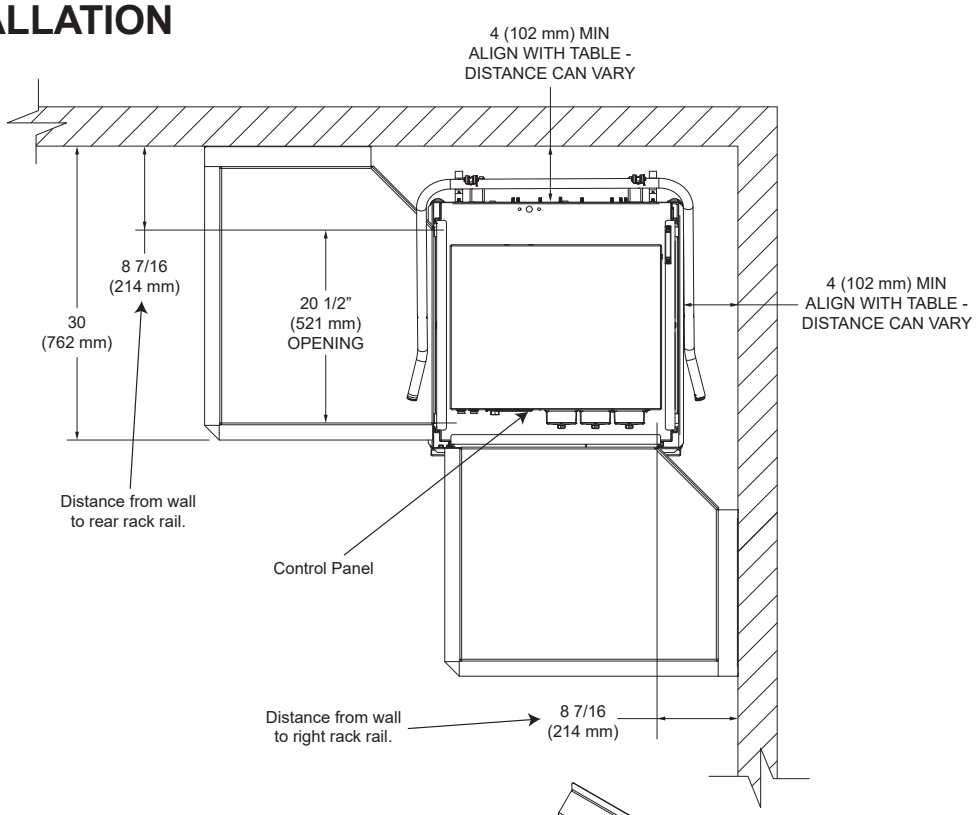
All dimensions from the floor can be increased 1 1/8" using the machine’s adjustable feet.

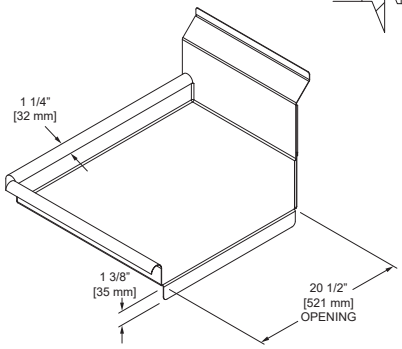




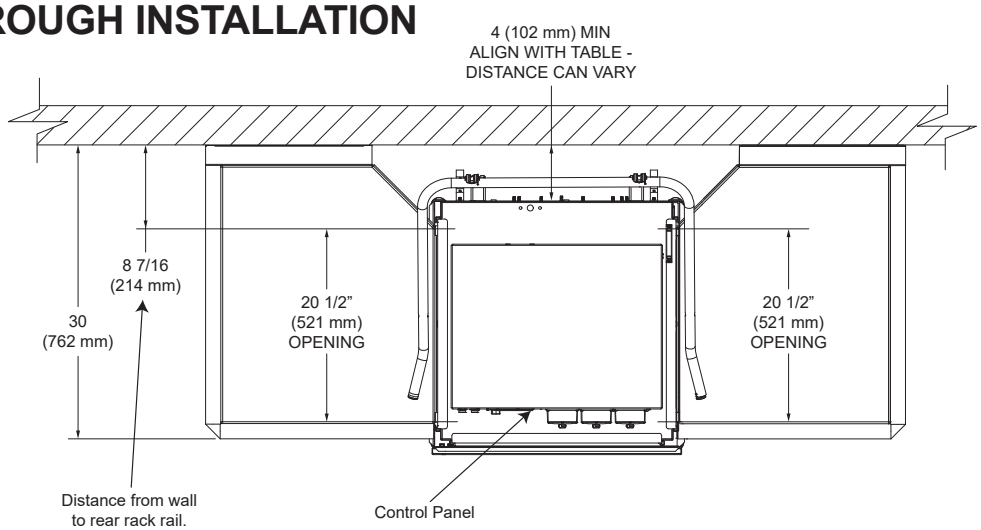
CORNER INSTALLATION

For corner install instructions:





STRAIGHT-THROUGH INSTALLATION



PERFORMANCE/CAPABILITIES

Operating Capacity:

Racks per Hour	63 (58*)
Dishes per Hour	1575
Glasses per Hour	2268

Operating Cycle (seconds):

Wash Time	50
Medium Wash Time	100
Heavy Wash Time	160
Rinse Time	10

Tank Capacity (gallons/liters):

Wash Tank	8.0/30.3
Rinse Tank	2.0/7.6

WATER REQUIREMENTS

Minimum Wash Temperature (°F/°C)	120/49
Minimum Rinse Temperature (°F/°C)	120/49
Minimum Inlet Water Temperature	110/44
Flow Pressure (PSI)	10 ± 2
Water Line Size	1/2”
Drain Line Size	1 1/2”
Minimum Chlorine Required	50 PPM

NOTICE

Always refer to the machine data plate for specific electrical and water requirements. The material provided on this page is for reference only and is subject to change without notice.

**Racks per hour calculated with NSF-suggested load time of :05 for door-type dishmachines (straight-through).*

Local codes may require more stringent protection than what is displayed here and on the data plate. Always verify with your electrical service contractor that your circuit protection is adequate and meets all applicable national and local codes. Numbers in this manual are for reference and may change without notice.

LOAD

Volts	Phase	Freq	Wash Motor	Wash Heater	Rinse Heater	Total Load	MCA	MOP
208	1	60 Hz	5.0 A	19.7 A	25.3 A	30.3 A*	31.5 A	35 A
230	1	60 Hz	5.0 A	21.8 A	28.0 A	33.0 A*	34.2 A	40 A

**Heaters operate separately. Requirements based on higher load.*

COMPONENT RATINGS

Volts	Phase	Wash Motor	Wash Heater	Rinse Heater
208	1	1.0 HP	4.1 kW	5.3 kW
230	1	1.0 HP	5.0 kW	6.4 kW

INSPECTION

Do not throw away packaging if damage is evident!

Before installing the machine, check packaging and machine for damage. If packaging is damaged, the machine might also be damaged. If there is damage to both packaging and machine, do not throw away the packaging. The machine has been inspected and packed at the factory and is expected to arrive in new, undamaged condition. However, rough handling by carriers or others might result in damage to the machine while in transit. If so, do not return the machine to the manufacturer. Instead, contact the carrier and ask them to send a representative to the site to inspect the damage and complete an inspection report. You must contact the carrier and the dealer within 48 hours of receiving the machine.

UNPACKING

Unpack the machine and ensure there are no missing parts. If an item is missing, contact the manufacturer immediately.

LEVELING

The machine must be level in its operating location to prevent damage to the machine during operation and to ensure best results. The machine comes with four adjustable bullet feet, which can be turned using a pair of channel locks (or by hand if the machine can be raised safely). Ensure the machine is level from side-to-side and front-to-back before making any connections.

PLUMBING

Plumber MUST flush the incoming water line!

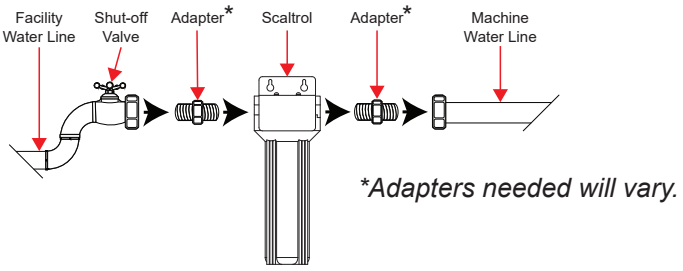
Plumbing connections must comply with all applicable local, state, and national plumbing codes. The plumber is responsible for ensuring the incoming water line is thoroughly flushed before connecting it to any component of the machine. It is very important to remove all foreign debris from the water line that might potentially get trapped in the valves or cause an obstruction. Any valves that are fouled as a result of foreign matter left in the water line—and any expenses resulting from this fouling—are not the responsibility of the manufacturer.

A water hardness test MUST be performed.

A water hardness test must be performed to determine if a water treatment system needs to be installed.

WATER SUPPLY CONNECTION: WATER HARDNESS GREATER THAN 3 GPG

If water hardness tests at greater than 3 GPG, install the Scaltrol Water Treatment system (see the Plumbing Options page) into the water line before the machine's incoming water connection point. A water shut-off valve should be installed to allow access for service.



*Adapters needed will vary.

WATER SUPPLY CONNECTION: WATER HARDNESS LOWER THAN 3 GPG

If water hardness tests at lower than 3 GPG, install the water supply line directly to the machine's incoming water connection point. A water shut-off valve should be installed to allow access for service.

PRESSURE REGULATOR

The manufacturer recommends installation of a pressure regulating valve (PRV) in the incoming water line to ensure proper flowrate at all times and offers these devices as options (see the Plumbing Options page).

Do not confuse static pressure with flow pressure. Static pressure is the line pressure in a "no flow" condition (all valves and services are closed). Flow pressure is the pressure in the fill line when the fill valve is opened during the cycle.

SHOCK ABSORBER

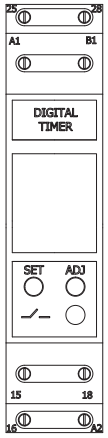
The manufacturer also recommends installation of a shock absorber in the incoming water line and offers these devices as options (see the Plumbing Options page). This prevents line hammer/hydraulic shock—induced by the solenoid valve as it operates—from causing damage to the equipment.

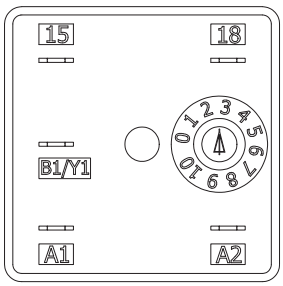
CONNECTING THE DRAIN LINE

The machine's drain is a gravity-discharge drain. All piping from the 1 1/2" NPT connection on the wash tank must be pitched (1/4" per foot) to the floor or sink drain. All piping from the machine to the drain must be a minimum 1 1/2" NPT and must not be reduced. There must also be an air-gap between the machine drain line and the floor sink or drain. If a grease trap is required by code, it should have a flow capacity of 5 GPM.

EXHAUST FAN TIMER

Determine which exhaust fan timer is on the machine (located in the control box) and click the instructions icon below that timer to access programming instructions.





CHEMICAL CONNECTIONS

Chemical connections should be made by chemical supplier.

Using deionized water or other aggressive fluids will result in corrosion and failure of components and will void the warranty.

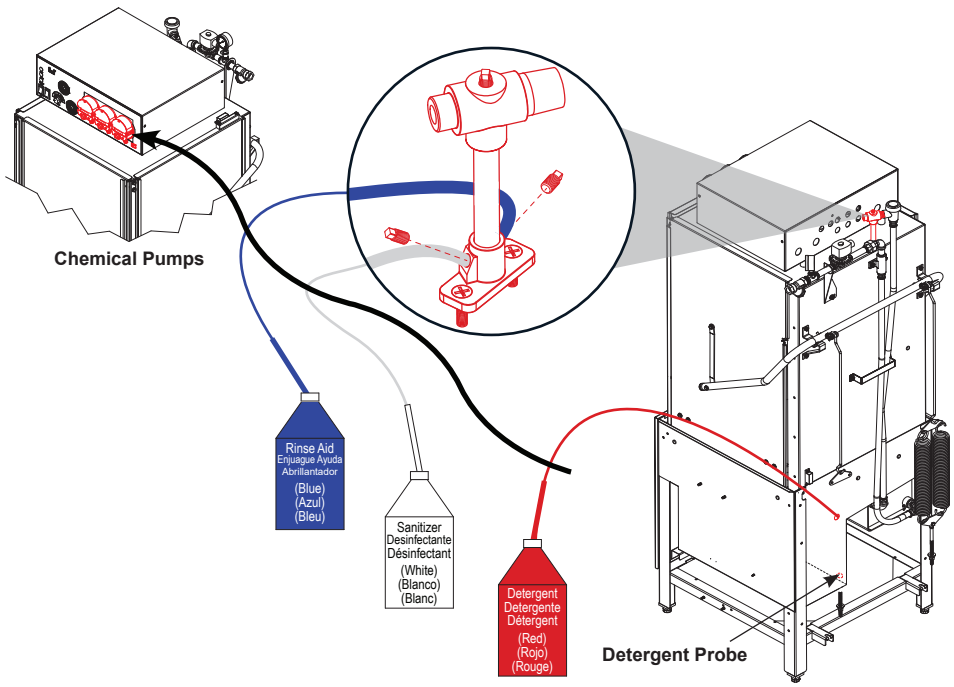
WARNING! ***Some of the chemicals used in dishwashing can cause chemical burns if they come in contact with skin. Wear protective gear when handling these chemicals. If any skin comes in contact with these chemicals, immediately follow the instructions provided with the chemicals for treatment.***

Detergent

Connect detergent by removing bulkhead fitting on back of the machine and replacing it with appropriate dispensing equipment.

Rinse-aid & Sanitizer

Connect rinse-aid and sanitizer by removing brass plugs at base of rinse injector and replacing them with appropriate dispensing equipment.



Dispenser Electrical Connections

Electrical connections for chemical dispensers are made on a fuse block inside control box. Click **here** for a depiction of fuse block and connection locations.

PLUMBING CHECK

Slowly turn on water supply to the machine after incoming fill line and drain line have been installed. Check for any leaks and repair as required. All leaks must be repaired before operating the machine.

ELECTRICAL POWER CONNECTIONS

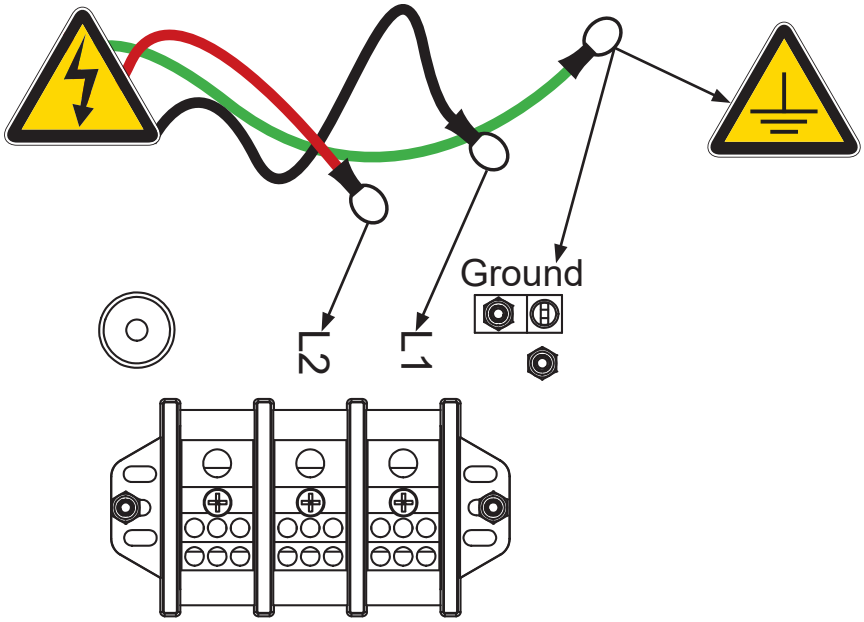
Electrical and grounding conductors must comply with applicable portions of National Electric Code ANSI/NFPA 70 (latest edition) and/or other electrical codes.

Disconnect electrical power supplies and lockout/tagout in accordance with appropriate procedures and codes at the disconnect switch.

If necessary, see Heaters page for phase conversion kit.

Data plate is located on right side of the machine. Refer to data plate for machine operating requirements, machine voltage, total amperage, and serial number.

1. Remove control box cover.
2. Install 3/4” conduit into pre-punched holes in back of control box.
3. Route power wires and connect to power block and grounding lug.
4. Install service wires to appropriate terminals as they are marked on terminal block.



5. Install grounding wire into lug provided.
6. Tighten connections.

NOTICE *“DE-OX” or similar anti-oxidation agent should be used on all power connections.*

CAUTION! *Improperly connecting external devices can cause damage to the machine and/or electrical infrastructure! Click **here** for a wiring guide.*

VOLTAGE CHECK

Ensure power switch is in "OFF" position and apply power to the machine. Check incoming power at terminal block and ensure it corresponds with voltage listed on data plate. If not, contact a qualified service agency. Do not run the machine if voltage is too high or too low. Shut off service breaker and advise all proper personnel of breaker location and any problems.

PREPARING CHEMICAL FEEDER PUMPS

These machines are supplied with detergent, rinse-aid, and sanitizer chemical feeder pumps.

Locate open ends of chemical tubes with the stiffeners and place each one in the appropriate container.

- Red Tubing = Detergent
- Blue Tubing = Rinse-aid
- White Tubing = Sanitizer

CAUTION! *Chlorine-based sanitizers can be detrimental to this machine if the chemical solution is too strong. Contact chemical supplier to ensure the dispenser is set-up correctly.*

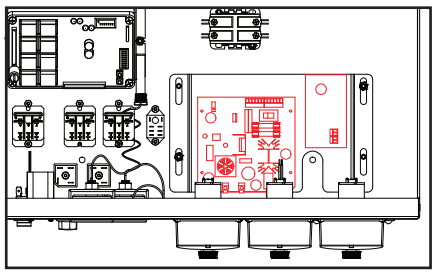
ADJUSTING/PRIMING CHEMICAL FEEDER PUMPS

The detergent chemical feeder pump automatically primes, but detergent level and pump speed must be set-up when the machine is first installed. Rinse-aid and sanitizer chemical feeder pumps need priming when the machine is first installed or if chemical lines have been removed and air was allowed to enter.

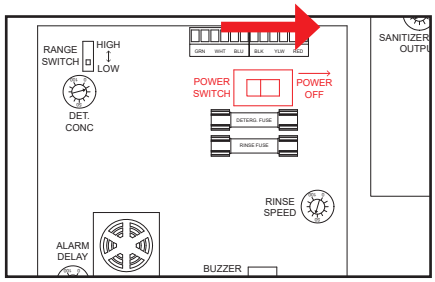
This procedure should be completed by a qualified chemical dealer/supplier with the proper PPE and tools.

DETERGENT

1. Locate chemical control boards inside of machine control box.



2. Slide POWER SWITCH on larger control board to OFF.

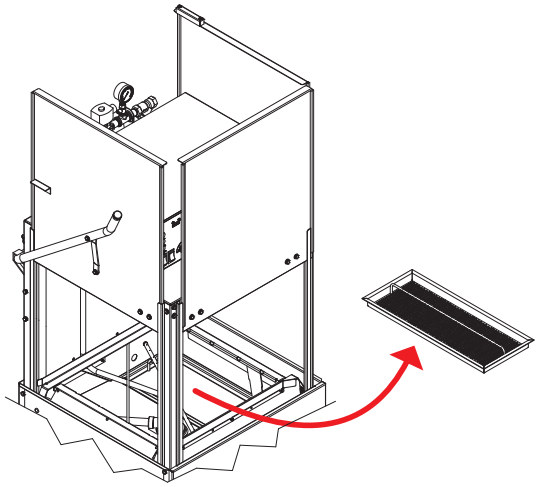


3. Turn breaker and machine ON, fill machine, and bring water to proper operating temperature.

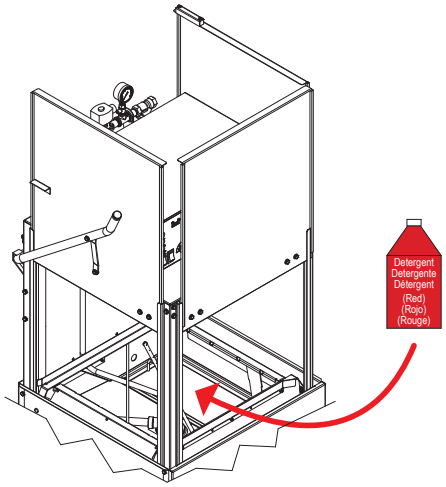
ADJUSTING/PRIMING CHEMICAL FEEDER PUMPS

WARNING! ***Some of the chemicals used in dishwashing can cause chemical burns if they come in contact with skin. Wear protective gear when handling these chemicals. If any skin comes in contact with these chemicals, immediately follow the instructions provided with the chemicals for treatment.***

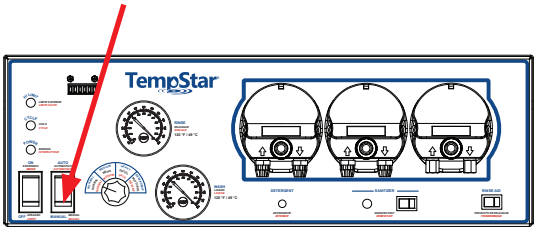
4. Open door and remove strainer.



5. Manually add detergent to wash tank and replace strainer.

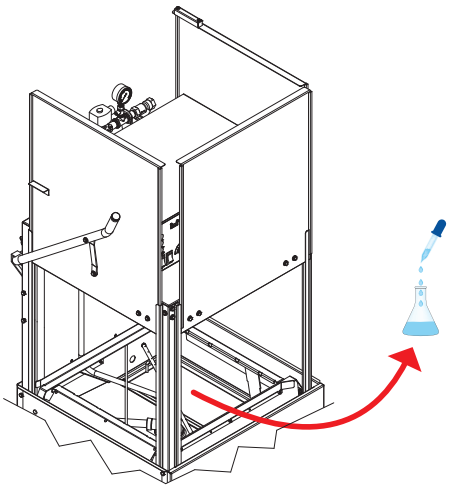


6. Close door and start MANUAL cycle on front of machine control box. Run for 30 seconds.



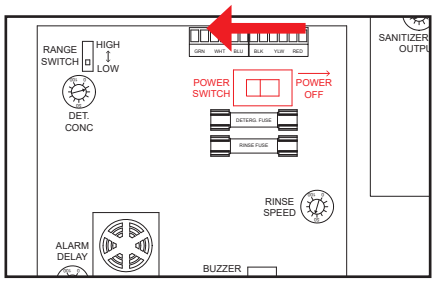
ADJUSTING/PRIMING CHEMICAL FEEDER PUMPS

7. Raise door, remove strainer, and check detergent concentration with test kit (not provided).

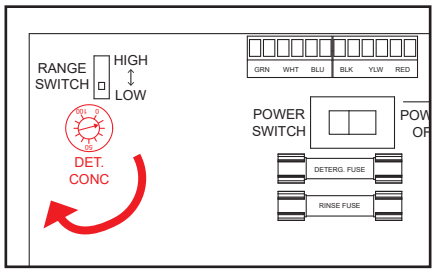


8. Repeat Steps 4 and 5 until desired detergent concentration is reached.

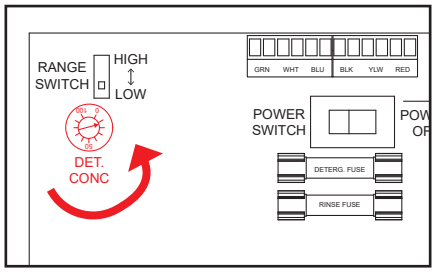
9. Slide POWER SWITCH on larger control board to ON.



10. Turn DET. CON adjustment knob clockwise until detergent peri-pump starts operating.

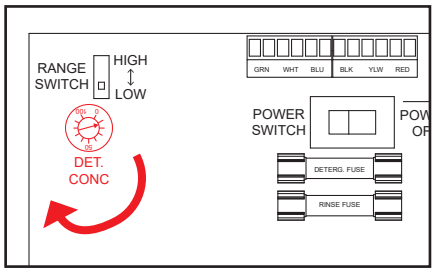


11. Turn DET. CON adjustment knob counter-clockwise until detergent peri-pump stops operating.

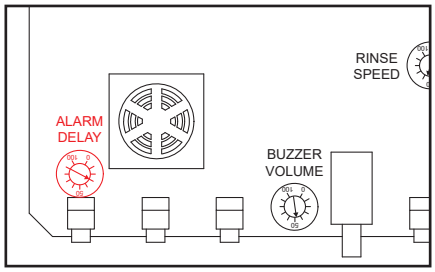


ADJUSTING/PRIMING CHEMICAL FEEDER PUMPS

12. Now, very slowly, turn DET. CON adjustment knob clockwise until detergent peri-pump begins to feed detergent again. Allow the feed to stop automatically.



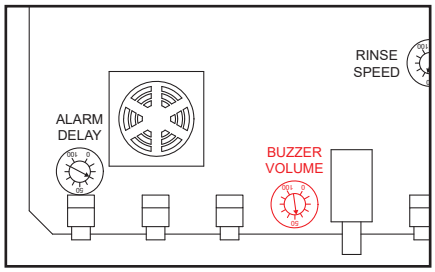
13. ALARM DELAY adjustment knob is pre-set to 30 seconds (adjustment knob is variable from 20 seconds to 6 minutes).



14. Ensure detergent feeds fast enough to not activate the alarm.

15. If detergent feed is too slow and alarm sounds, increase detergent feed time using DET. CONC adjustment knob.

16. Adjust buzzer volume to desired level.



NOTICE

Low Range = Approximately 4–25 drop titration (more range and more sensitive to adjustment).

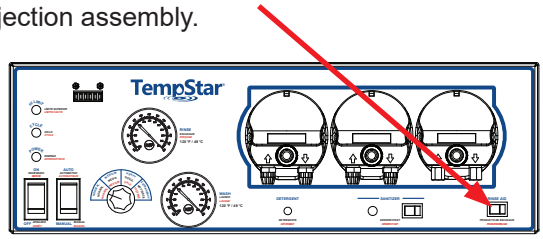
High Range = Approximately 10–25 drop titration (less range and less sensitive to adjustment).

ADJUSTING/PRIMING CHEMICAL FEEDER PUMPS

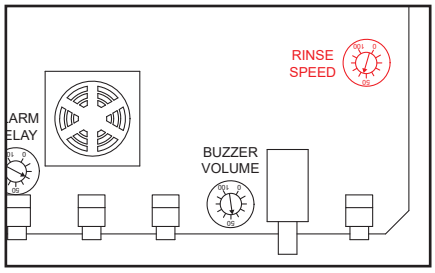
WARNING! ***Some of the chemicals used in dishwashing can cause chemical burns if they come in contact with skin. Wear protective gear when handling these chemicals. If any skin comes in contact with these chemicals, immediately follow the instructions provided with the chemicals for treatment.***

RINSE-AID

1. With machine ON and control board POWER SWITCH ON, press and hold rinse-aid prime button on front of machine control box until rinse-aid has reached the injection assembly.

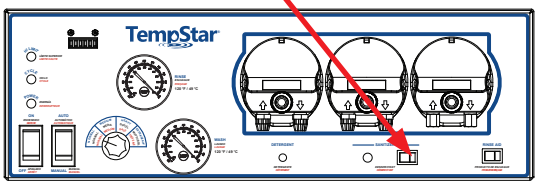


2. Adjust RINSE SPEED adjustment knob based on length of rinse cycle and how much rinse-aid is required.

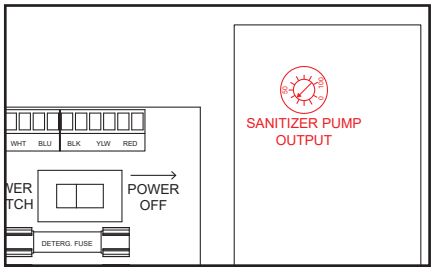


SANITIZER

1. With machine ON and control board POWER SWITCH ON, press and hold sanitizer prime button on front of machine control box until sanitizer has reached the injection assembly.



2. Adjust SANITIZER PUMP OUTPUT adjustment knob based on length of sanitizer cycle and how much sanitizer is required.



3. Replace control box cover.

SURROUNDING AREA

This is a commercial dishmachine and reaches temperatures that can exceed those generated by a residential machine. Surrounding countertops, cabinets, flooring material, and subflooring material must be designed and/or selected with these higher temperatures in mind.

NOTICE *Any damage to surrounding area caused by heat/moisture to materials that are not recommended for higher temperatures will not be covered under warranty or by the manufacturer.*

TEMPERATURE SETPOINTS

The temperature setpoints on the machine have been set at the factory. They should only be adjusted by an authorized service agent.

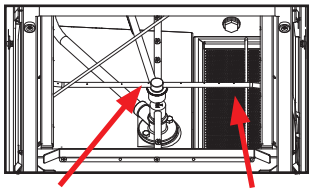
FALSE PANEL/ CORNER INSTALL

The manufacturer offers an optional False Panel Kit for corner installations. See the Kits page for kit part number. Click **here** for false panel/corner install instructions.

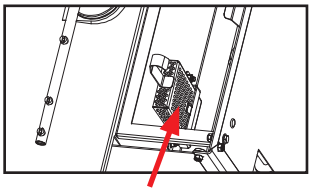
PREPARATION

Before operating the machine, verify the following:

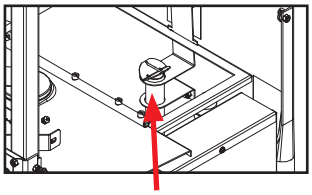
1. Tank is clean and free of debris.
2. Wash arms, rinse arms, sump strainer, and scrap screen are all installed correctly.
3. Standpipe is installed.



Wash & Rinse Arms, Scrap Screen



Sump Strainer



Standpipe

POWER UP

To energize the machine, turn on power at service breaker. Voltage should have been previously verified. If not, verify voltage.

FILLING THE WASH TUB

Ensure mode switch is in "AUTO" position, and place power switch into "ON" position. The machine will fill automatically and shut-off when appropriate level is reached (just below scrap screen). Wash tub must be completely filled before operating wash pump to prevent damage to components. Once wash tub is filled, the machine is ready for operation.

WARE PREPARATION

Proper ware preparation will help ensure good results and fewer re-washes. If not prepared properly, ware might not come out clean and efficiency of the machine will be reduced. Putting unscraped dishes into the machine affects its performance, so scraps should always be removed from ware before being loaded into a rack. Pre-rinsing and pre-soaking are good ideas, especially for silverware and casserole dishes.

Place cups and glasses upside-down in racks so they don't hold water during the cycle. The machine sanitizes as well as cleans. To do this, ware must be properly prepared before being placed in the machine.

DAILY MACHINE PREPARATION

Refer to Preparation section and follow instructions there. Afterward, ensure chemicals are supplied to the machine. If not, contact chemical supplier.

WARM-UP CYCLES

For the first operation of each day, it might be necessary to run the machine through three cycles to ensure all cold water is out of the system and to verify that the machine is operating correctly. To cycle the machine, ensure power is on and tub has filled to correct level. Lift and close door and cycle light will illuminate. The machine will start, run through cycle, and shut-off automatically. Repeat this two more times. The machine is now ready.

WASHING A RACK OF WARE

To wash a rack, open door completely (avoiding hot water that might drip) and slide rack into the machine.

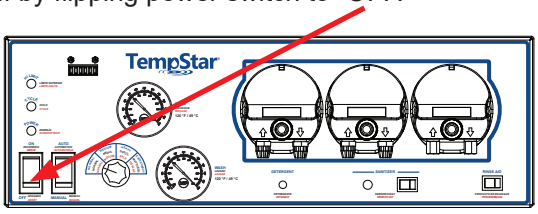
Close door and the machine will start automatically. Once cycle is complete, open door and remove rack of clean ware. Replace with a rack of soiled ware and close door. Repeat this process.

OPERATIONAL INSPECTION

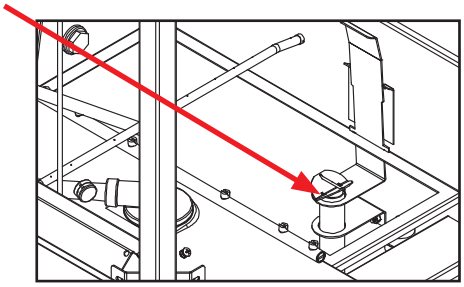
Based on use, scrap screen might become clogged with soil and debris as workday progresses. Operators should regularly inspect scrap screen to ensure it has not become clogged. If clogged, it will reduce washing capability of the machine. Instruct operators to clean-out scrap screen at regular intervals or as required by workload. Do NOT beat strainers to remove debris.

SHUTDOWN & CLEANING

1. Turn machine off by flipping power switch to “OFF.”



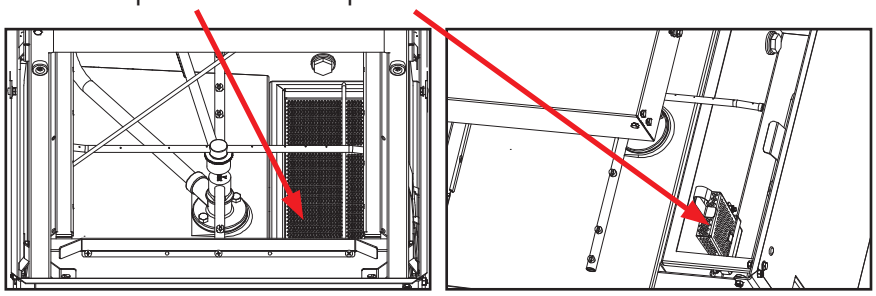
2. Open door and allow steam/heat to escape.
3. Remove standpipe and allow tub to drain.



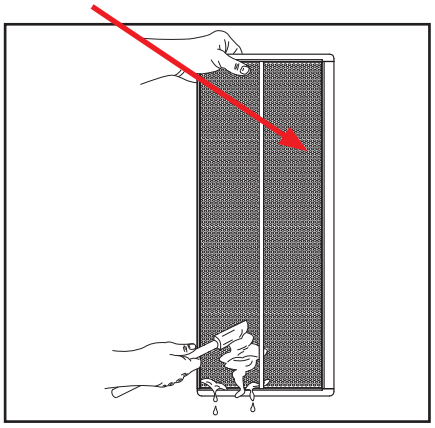
WARNING! *Wash tank water will be hot!*

SHUTDOWN & CLEANING

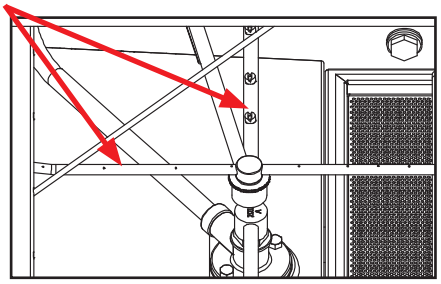
4. Remove scrap screen and sump strainer.



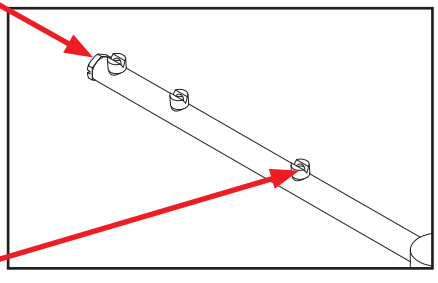
5. Use a hand-scraper to scrape foodsoil into a trash basket.



6. Rinse with pre-rinse hose and replace.
7. Remove all wash and rinse arms.



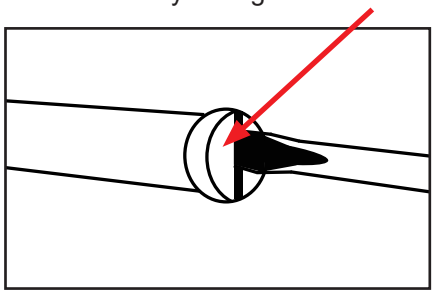
8. Remove end-caps from the arms.



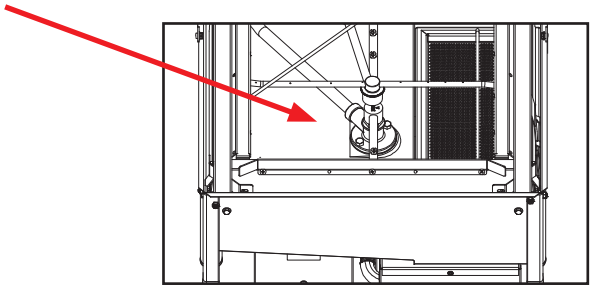
9. Clean nozzles with a brush.
10. Use a small wire or toothpick to remove remaining debris or lime deposits from nozzles.
11. Flush arms with water.

SHUTDOWN & CLEANING

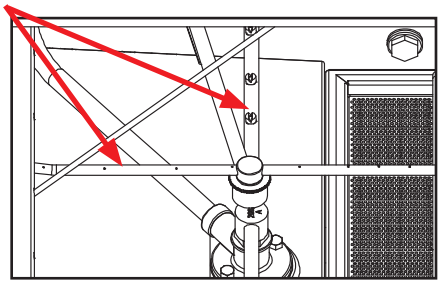
12. Replace end-caps and ensure they are tight.



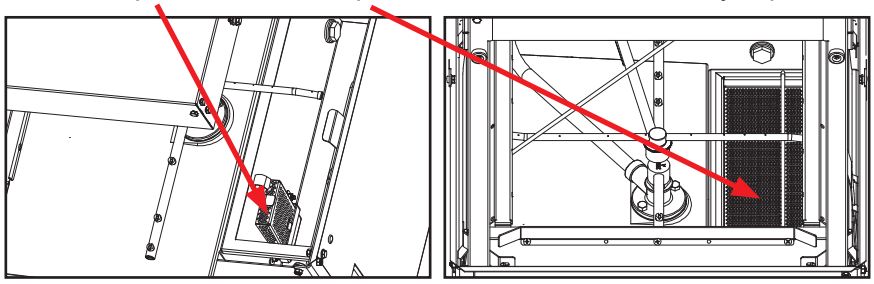
13. Spray or wipe out interior of the machine.



14. Replace wash and rinse arms.



15. Ensure sump strainer and scrap screen are clean and securely in place.



16. Use stainless steel polish to clean and protect outside of the machine.

DETERGENT CONTROL

Detergent usage and water hardness are two factors that contribute greatly to how efficiently the machine will operate. Using detergent in proper amounts can become a source of substantial savings. A qualified water treatment specialist can determine what is needed for maximum efficiency from the detergent.

See Water Supply Connection section for more information on water treatment.

1. Hard water greatly affects performance of the machine, causing amount of detergent required for washing to increase. If the machine is installed in an area with hard water, the manufacturer recommends installation of water treatment equipment.

2. Deposited solids from hard water can cause spotting that will not be removed with a drying agent. Treated water will reduce this occurence.

3. Treated water might not be suitable for use in other areas of operation and it might be necessary to install a water treatment system for the water going to the machine only. Discuss this option with a qualified water treatment specialist.

4. Machine operators should be properly trained on how much detergent is to be used per cycle. Meet with a water treatment specialist and detergent vendor to discuss a complete training program for operators.

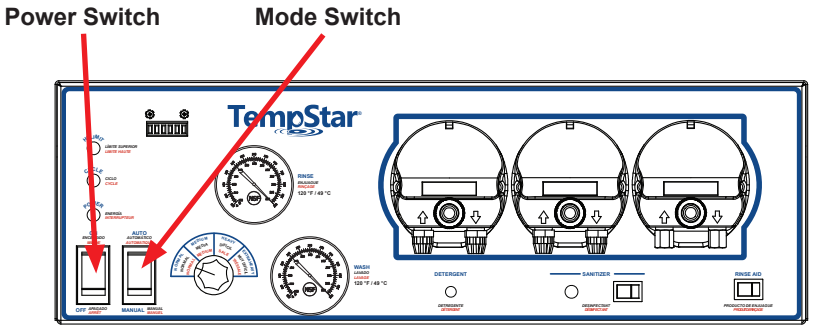
5. Water temperature is an important factor in ensuring the machine functions properly. The machine's data plate details what the minimum temperatures must be for the incoming water supply, the wash tank, and the rinse tank. If minimum requirements are not met, there is a possibility that dishes will not be clean or sanitized.

6. Instruct machine operators to observe the required temperatures and to report when they fall below the minimum allowed. A loss of temperature can indicate a larger problem.

DELIMING

To delime the machine, follow steps below. Tank capacities of the machine can be found on Operating Parameters page.

1. Remove rinse arms and place in sink with deliming solution.
2. Disconnect or turn off chemical feeder pumps.
3. Add deliming solution per chemical supplier's instructions.
4. Close door and turn the machine on in "MANUAL" mode.
5. Run the machine for length of time recommended by chemical supplier.
6. Flip mode switch to "AUTO" to shut the machine off.
7. Open door and step away for five minutes.
8. Inspect inside of the machine. If the machine is not delimed, run again.
9. When clean, drain and re-fill the machine.
10. Run two cycles in "AUTO" to remove residual deliming solution.
11. Drain and re-fill the machine.
12. Flush rinse arms with water and replace.



CAUTION! *The machine is not recommended for use with deionized water or other aggressive fluids. Using deionized water or other aggressive fluids will result in corrosion and failure of components and will void the warranty.*

PREVENTATIVE MAINTENANCE

The manufacturer highly recommends that any maintenance and repairs not specifically discussed in this manual be performed only by qualified service personnel.

WARNING! *Unqualified personnel performing maintenance on the machine may void the warranty, lead to larger problems, or cause harm to the operator.*

Following operating and cleaning instructions in this manual will result in the most efficient results from the machine. As a reminder, here are some steps to take to ensure the machine is being used the way it was designed to work:

CAUTION!
Do NOT beat strainers to remove debris!

1. Ensure water temperatures match those listed on machine data plate. A loss of temperature can indicate a larger problem.
2. Ensure all strainers are clean and securely in place before operating the machine. When cleaning out strainers, do NOT beat them on waste cans. Wipe out strainers with a rag and rinse with water if necessary. Use a toothpick to dislodge any stubborn debris.
3. Ensure all wash and rinse arms are secure in the machine before operating.
4. Ensure standpipe is in position before operating.
5. Remove as much soil from dishes by hand as possible before loading into racks.
6. Do not overfill racks.
7. Ensure glasses are placed upside-down in rack.
8. Ensure all chemicals being injected into the machine are at correct concentrations.
9. Clean the machine at end of every day/shift per Shutdown and Cleaning section.
10. Follow all safety procedures, whether listed in this manual or put forth by local, state, or national codes/regulations.

RESISTANCE-TO-TEMPERATURE VALUES

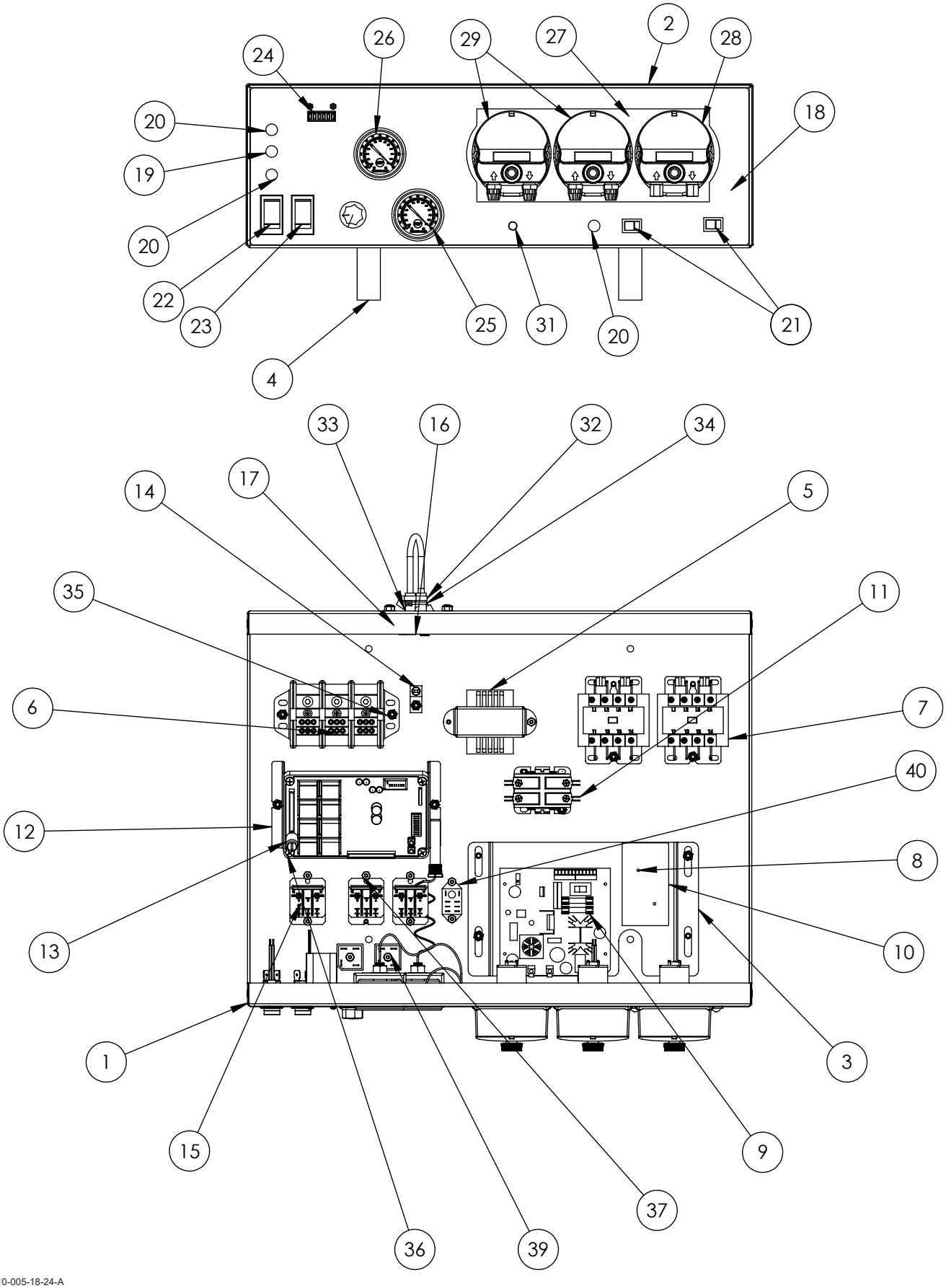
R (kΩ)	°F
11.58	69.8
10.37	75.2
9.30	80.6
7.78	89.6
3.05	140.0
2.54	150.8
2.18	159.8
1.58	179.6
1.45	185.0
1.33	190.4
1.16	199.4
0.96	212.0

WARNING! *Inspection, testing, and repair of electrical equipment should only be performed by a qualified service technician. Many tests require the machine have power to it and live electrical components be exposed. USE EXTREME CAUTION WHEN TESTING THE MACHINE.*

OBSERVATION	POSSIBLE CAUSE	REMEDY
Machine will not fill after door is closed. Power “ON” light is illuminated.	1. Faulty rinse solenoid valve. 2. Faulty door switch. 3. Fouled/faulty high-level probe.	1. Repair or replace valve as required. 2. Verify wiring of switch; if correct, replace switch. 3. Clean probe if fouled. If clean and still not working, replace.
Machine will not fill after door is closed. Power “ON” light is NOT illuminated.	1. Service breaker tripped. 2. Machine not connected to power source. 3. Faulty power source.	1. Reset. If breaker trips again, contact an electrician to verify amp draw of the machine. 2. Verify the machine has been properly connected to power source. 3. Verify wiring of switch; if correct, replace switch.
Machine will not run after door is closed. Power “ON” light is illuminated and the machine is filling.	1. Timer is faulty. 2. Wash motor faulty/damaged. 3. Wash motor contactor faulty.	1. Verify timer is receiving power. If so, replace timer assembly. 2. Verify wash motor is getting power. If so, replace motor. 3. Check for continuity; if contacts are open, replace contactor.
Machine runs continuously in the wash cycle.	1. Machine is in Delime mode. 2. Timer motor is faulty. 3. Cam timer jammed by obstruction.	1. Flip mode switch to "AUTO." 2. Verify timer is rotating. If not, verify motor is receiving power. If so, replace motor and/or timer assembly. 3. Remove obstruction.
Wash or rinse heater does not work.	1. Faulty heater element. 2. Faulty heater contactor. 3. Misadjusted/faulty thermostat(s).	1. Check element for continuity; if open, replace heater. 2. Replace contactor. 3. Verify operation and setting of thermostats, replace if necessary.
Machine fills slowly and/or rinse is weak.	1. Clogged or obstructed rinse arms. 2. Low incoming water pressure. 3. Y-strainer is clogged.	1. Remove and clean rinse arms. 2. Adjust water pressure regulator to ensure there is 10 ± 2 PSI flow. 3. Clean out Y-strainer.
Rinse water not reaching required temperature.	1. Faulty rinse heater. 2. Mis-adjusted/faulty thermostat(s). 3. Rinse thermometer is defective.	1. Check element for continuity; if open, replace heater. 2. Verify operation and setting of thermostats, replace if necessary. 3. Replace thermometer.

WARNING! *Inspection, testing, and repair of electrical equipment should only be performed by a qualified service technician. Many tests require the machine have power to it and live electrical components be exposed. USE EXTREME CAUTION WHEN TESTING THE MACHINE.*

OBSERVATION	POSSIBLE CAUSE	REMEDY
Machine doesn't drain when power switch is flipped to "OFF."	1. Drain clogged. 2. Standpipe not removed before draining.	1. Remove obstruction. 2. Remove standpipe and run drain cycle again.
Incorrect water pressure displayed during Fill or Rinse modes.	1. Water turned off.	1. Turn water on.
Wash water is not reaching required temperature.	1. Faulty wash heater. 2. Misadjusted/faulty thermostat(s). 3. Wash thermometer is defective.	1. Check element for continuity; if open, replace heater. 2. Verify operation and setting of thermostats, replace if necessary. 3. Replace thermometer.
Door will not close completely.	1. Improper spring tension. 2. Obstruction in door channel. 3. Door panels are not square with frame.	1. Adjust spring tension as required by loosening (not removing) spring bolt nuts and adjusting tension. Tighten nuts back when done. 2. Remove obstruction. 3. Adjust frame to accommodate the door panels.
Water leaks at wash pump.	1. Wash pump seal defective. 2. Petcock or pump drain (if equipped) not shut/tight. 3. Loose hoses (hose clamps) on the wash pump.	1. Replace seal. 2. Close or tighten. 3. Tighten hose clamps.
Will not rinse during autocycle.	1. Defective rinse solenoid. 2. Faulty timer. 3. No water to the machine.	1. Repair or replace rinse solenoid as required. 2. Replace timer. 3. Verify there is water at 10 ± 2 PSI connected to the machine.
Dishes are not coming clean.	1. Machine temperatures are not up to minimum requirements. 2. No detergent/too much detergent.	1. Verify incoming water, rinse water, and wash water match required temperatures as listed on machine data plate. 2. Adjust detergent concentration as required for amount of water held by the machine.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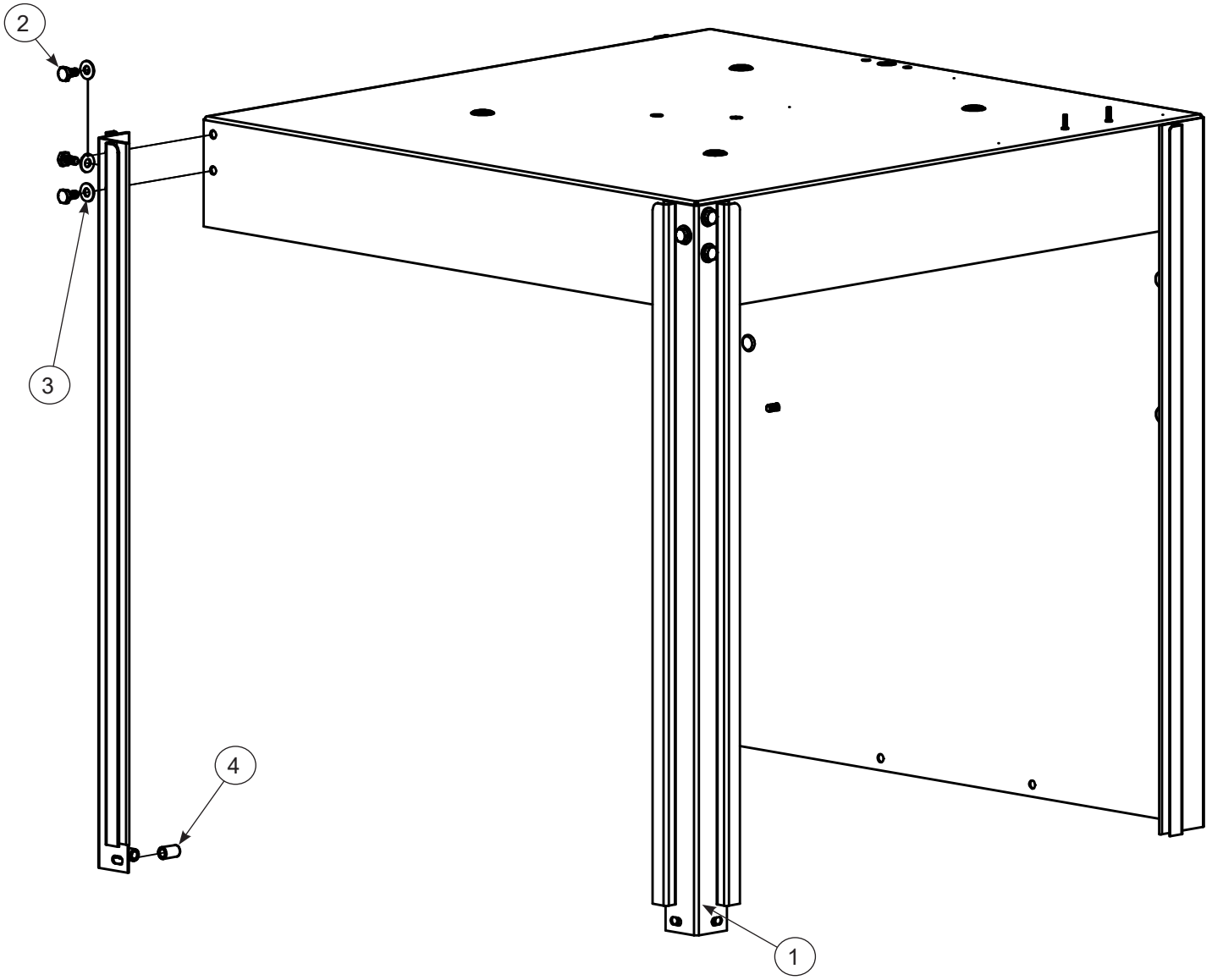
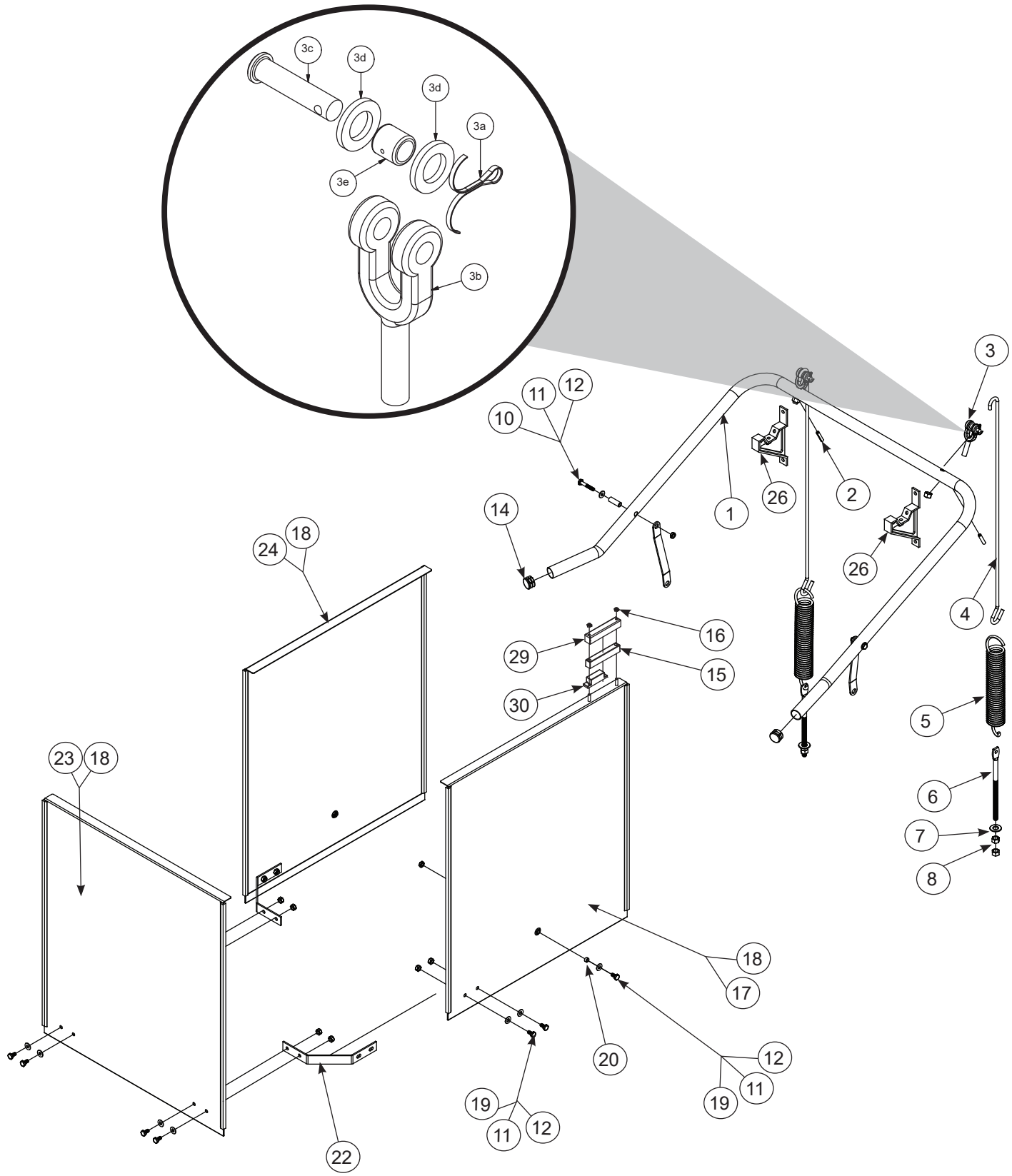
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Control Box Weldment	05700-005-17-58
2	1	Top Cover	05700-005-17-57
3	1	PCB Board Bracket	05700-005-17-59
4	4	Leg, Control Box	05700-002-33-05
5	1	Transformer, 75VA/200/230/24	05950-400-01-35
6	1	Terminal Block	05940-011-48-27
7	2	Contactor, 4-Pole	05945-004-43-74
8	6	Spacer, Nylon 9/32"	05975-004-47-89
9	1	Control Board, 4.36" x 7.36"	05945-005-18-21
10	1	Control Board, 3.5" x 2"	05945-005-18-22
11	1	Contactor, Wash Motor	05945-002-74-20
12	1	Timer Bracket	05700-003-02-08
13	1	Timer	05945-003-75-23
14	1	Ground Lug	05940-200-76-00
15	3	Relay, 240 V	05945-002-47-74
16	1	Pressure Switch	06685-003-36-13
17	1	Bracket, Pressure Switch	05700-004-08-92
18	1	Decal, Control Box	09905-005-18-23
19	1	Light, Green	05945-504-08-18
20	3	Light, Red	05945-504-07-18
21	2	Switch, Prime	05930-011-49-54
22	1	Switch, Power	05930-011-49-55
23	1	Switch, Auto/Manual	05930-301-53-00
24	1	Counter	05990-111-35-38
25	1	Thermometer, 48"	06685-111-68-48
26	1	Thermometer, 96"	06685-111-68-49
27	1	Peri-pump Plate	05700-005-17-62
28	1	Peri-pump	04320-005-12-65
29	2	Peri-pump	04320-005-12-64
30	2	Screw, 4-40 x 1/4" with Washer	05305-002-32-38

ITEM	QTY	DESCRIPTION	PART NUMBER
31	1	Light, Red	4510010016
32	2	Tube, 3/8" x 8"	05700-003-22-89
33	1	Connector, 1/4"	04730-003-36-14
34	4	Cable Tie, 4"	05975-602-01-16
35	16	Locknut, 10-24	05310-373-01-00
36	4	Screw, 10-32 x 1"	05305-002-19-42
37	12	Locknut, 6-32	05310-373-03-00
38	4	Locknut, 10-32	05310-373-02-00
39	2	Bridge Rectifier	4510010010
40	1	Relay, 10 A, 240 V	05945-111-89-75
41	4	Nut, 10-32	05340-118-05-00



ITEM	QTY	DESCRIPTION	PART NUMBER
1	2	Hood Support	05700-002-78-99
2	6	Bolt, 1/4-20 x 1/2”	05305-274-21-00
3	6	Washer, Flat, SS, 1/4-20	05311-174-01-00
4	4	Spacer, Sleeve Hood	05700-003-55-15
5	6	Locknut, 1/4-20 with Nylon Insert (Not Shown)	05310-374-01-00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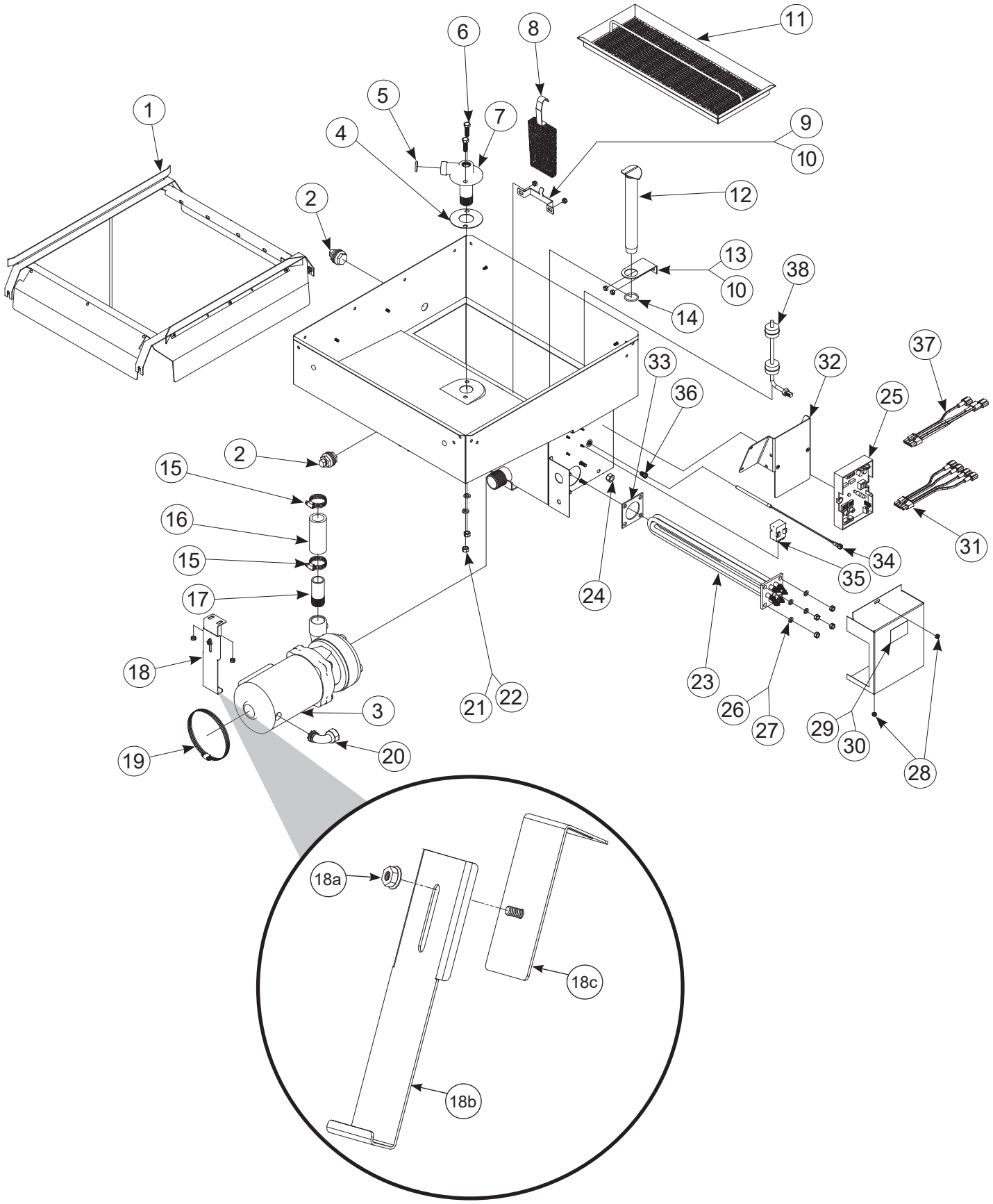
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Cantilever Arm	05700-031-50-67
2	2	Spring Pin, 1/4" x 1 1/8"	05315-407-06-00
3	2	Yoke Assembly	05700-000-75-77
3a	1	Cotter Pin	05315-207-01-00
3b	1	Yoke	05700-000-75-78
3c	1	Clevis Pin, 5/16” x 1 3/8”	05315-700-01-00
3d	2	Nylon Washer	05311-369-03-00
3e	1	Bushing	03120-100-03-00
4	2	Rod, Spring	05700-003-67-39
5	2	Spring	05340-109-02-00
6	2	Bolt, Cantilever Hanger Eye 3/8-16	05306-956-05-00
7	2	Washer, 3/8" ID x 7/8" OD	05311-176-02-00
8	4	Nut, 3/8-16 S/S Hex	05310-276-01-00
9	2	Connector, Cantilever Arm	05700-011-90-99
10	2	Screw, 1/4-20 x 1 1/2"	05305-274-23-00
11	4	Washer, 1/4"	05311-174-01-00
12	4	Locknut, 1/4-20 Hex with Nylon Insert Low Profile	05310-374-02-00
13	2	Sleeve, Cantilever Arm	05700-000-85-69
14	2	Plug, Cantilever Arm	05340-011-35-00
15	1	Magnet, Reed Switch	05930-111-51-68
16	2	Locknut, 8-32 Hex with Nylon Insert	05310-272-02-00
17	1	Door, Right Side (Complete Assembly)	05700-004-07-47
	1	Door, Right Side (Weldment with Studs)	05700-002-29-85
18	6	Guide, Door	05700-111-33-59
19	2	Screw, 1/4-20 x 1/2"	05305-274-02-00
20	2	Spacer, PB Bolt	05700-000-29-40
21	4	Locknut, 1/4-20 Hex with Nylon Insert (Not Shown)	05310-374-01-00
22	2	Door Connector Bracket	05700-021-33-39
23	1	Door, Front with Decal (Complete Assembly)	05700-002-30-89
	1	Door Only, Front	05700-002-67-71

ITEM	QTY	DESCRIPTION	PART NUMBER
24	1	Door, Left Side (Complete Assembly)	05700-002-30-87
	1	Door Only, Left Side	05700-002-29-86
25	1	Door Connecting Plate (Not Shown)	05700-002-20-78
26	2	Bracket, Cantilever Arm Support	09515-003-15-64
27	1	Wear Button, 1/2" Dia. UHMW (Not Shown)	05700-011-88-01
28	1	Door Interlock Bracket (Not Shown)	05700-004-23-17
29	1	Cover, Door Magnet	05700-004-07-39
30	1	Switch, Door/Cycle	05930-003-05-84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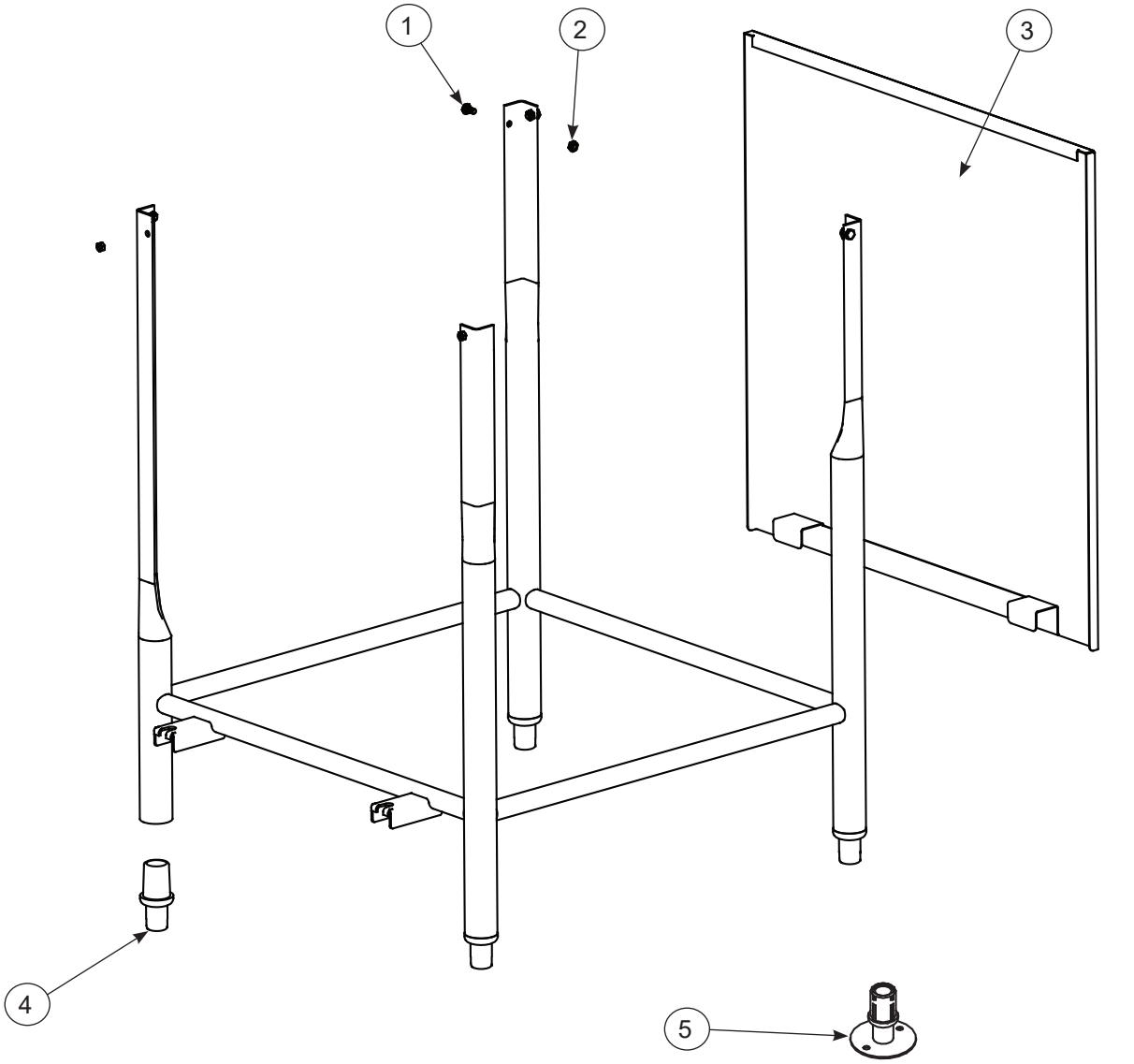
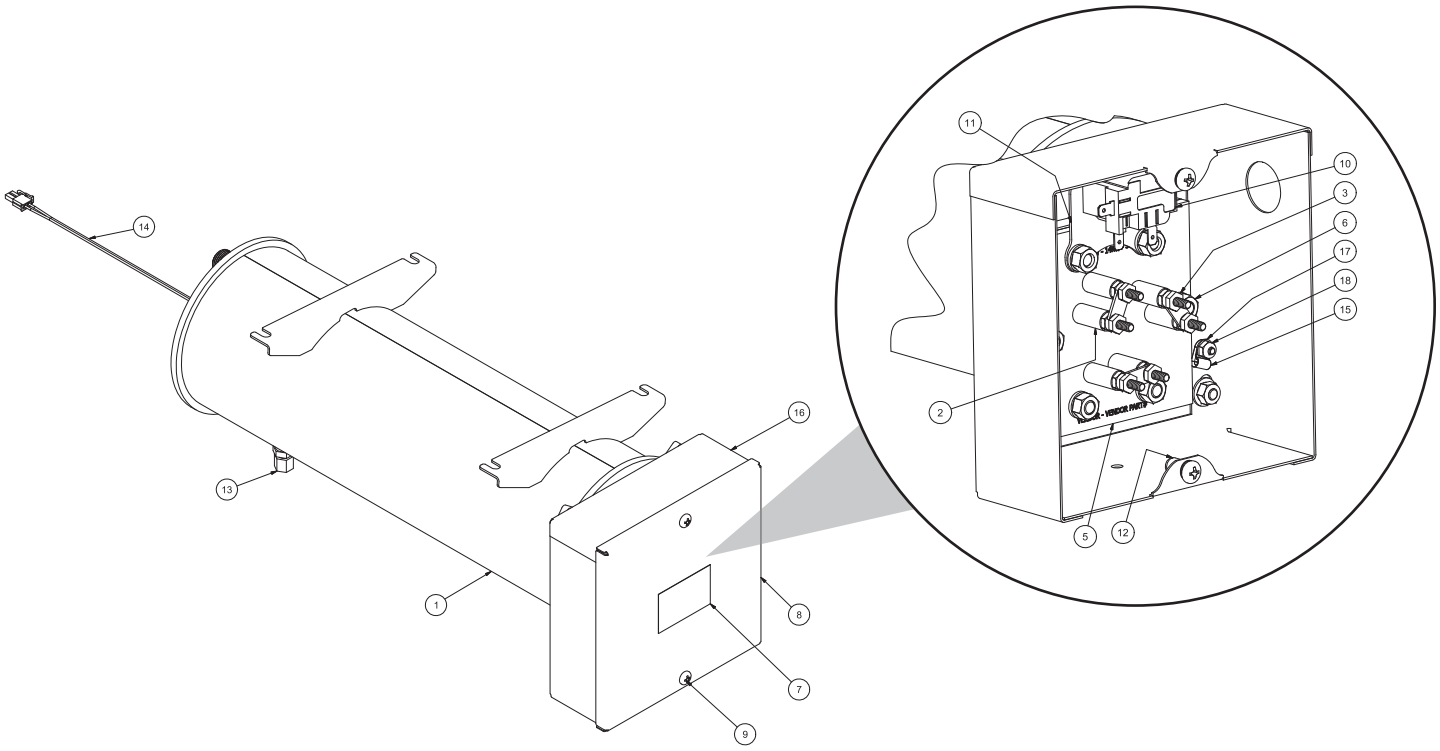
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Track Assembly	05700-002-01-00
2	2	Bulk Head Plug	04730-609-05-00
3	1	Wash Motor	See Motors page.
4	1	Gasket	05700-111-35-03
5	1	O-ring	05330-111-35-15
6	4	Bolt, Hex 3/8-16 x 1 1/4" Long	05305-276-10-00
7	1	Lower Wash Manifold	05700-031-46-00
8	1	Sump Strainer	05700-002-16-13
9	1	Bracket, Sump Strainer	05700-001-22-24
10	8	Locknut, 1/4-20 with Nylon Insert	05310-374-02-00
11	1	Scrap Screen	05700-003-07-76
12	1	Standpipe	05700-001-25-69
12a	1	Support, Ball Stop Lift (Not Shown)	05700-002-91-55
12b	1	Ball Stop Lift (Not Shown)	05700-002-91-54
13	1	Overflow Support Bracket	05700-001-27-55
13a	1	Shim, Overflow Support (Not Shown)	05700-002-96-48
14	1	O-ring	05330-400-05-00
15	2	Clamp, Hose 1 5/16” to 2 1/4”	04730-719-01-37
16	1	Discharge Hose	05700-011-88-24
17	1	Nipple	05700-021-34-84
18	1	Pump Support Bracket Assembly	05700-002-00-46
18a	1	Nut, 1/4-20 Hex Nut	05310-011-66-49
18b	1	Pump Support Adjustable Bracket	05700-002-20-41
18c	1	Bracket, Pump Support	05700-002-68-31
19	1	Clamp, Hose 5 5/8" to 6"	04730-011-34-90
20	1	Connector, 1/2”	05975-111-01-00
21	4	Nut, 3/8-16 Hex	05310-276-01-00
22	4	Lockwasher 3/8”	05311-276-01-00
23	1	Wash Heater	04540-121-47-39
24	1	Nut, Float Switch	05310-011-72-58
25	1	Thermostat, Elan Electric Dual	06685-004-17-27

ITEM	QTY	DESCRIPTION	PART NUMBER
26	4	Lockwasher, 5/16", Split	05311-275-01-00
27	4	Nut, Hex, 5/16-18	05310-275-01-00
28	4	Locknut, 10-24 with Nylon Insert	05310-373-01-00
29	1	Cover, Wash Heater	05700-031-47-57
30	1	Decal, Warning-Disconnect Power	09905-004-08-16
31	1	Harness, 5-Connector	05700-004-23-78
32	1	Thermostat Mounting Bracket	05700-004-22-17
33	1	Wash Heater Gasket	05330-011-47-79
34	1	Probe, Thermistor 4”	06685-004-17-26
35	1	Thermostat, High Limit	05930-004-33-12
36	1	Fitting, 1/4" Imperial Brass	05310-924-02-05
37	1	Harness, 4-Connector	05700-004-23-79
38	1	Float Switch	06680-121-70-71



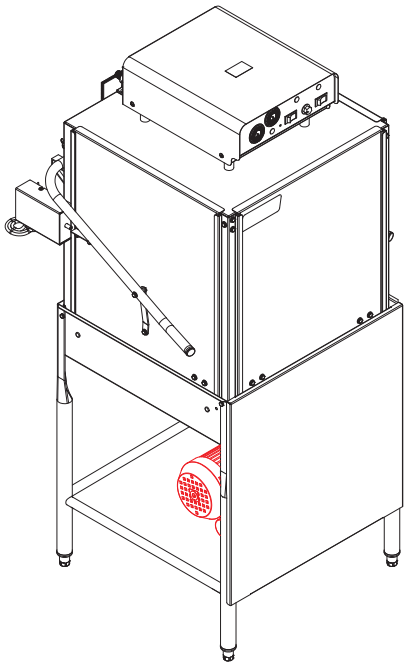
ITEM	QTY	DESCRIPTION	PART NUMBER
1	4	Bolt, 1/4-20 x 1/2”	05305-274-02-00
2	4	Locknut, 1/4-20 Hex with Nylon Insert	05310-374-02-00
3	1	Front Panel	05700-002-36-65
4	4	Bullet Foot	05340-108-01-03
5	4	Flanged Bullet Foot (Optional)	05340-002-34-86



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Tank, Rinse	05700-004-50-86
2	1	Heater, Rinse 7 kW	04540-005-16-56
3	6	Lockwasher, Split 5/16”	05311-275-01-00
4	1	Probe Fitting, 1/4” Brass Sleeve (Not Shown)	05310-924-02-05
5	1	Gasket, Rinse Heater	05330-200-02-70
6	6	Nut, Hex 5/16-18	05310-275-01-00
7	1	Decal, Warning-Disconnect Power	09905-004-08-16
8	1	Cover, Heater	05700-004-51-34
9	2	Screw	05305-004-27-82
10	1	Thermostat, High-limit	05930-004-33-12
11	1	Bracket, High-limit Thermostat	05700-004-36-84
12	2	Nut, 1/4-20	05310-004-23-96
13	1	Plug, 1/4" Brass	04730-209-01-00
14	1	Thermistor Probe	06685-004-17-26
15	1	Clamp, Wire 1/8", P-clip	05975-601-10-15
16	1	Cover Door, New Rinse Tank	05700-004-52-21
17	1	Washer, Flat	05311-173-02-00
18	1	Locknut, Hex 8-32	05310-272-02-00

Wash Motor Assembly

(See next page for parts.)



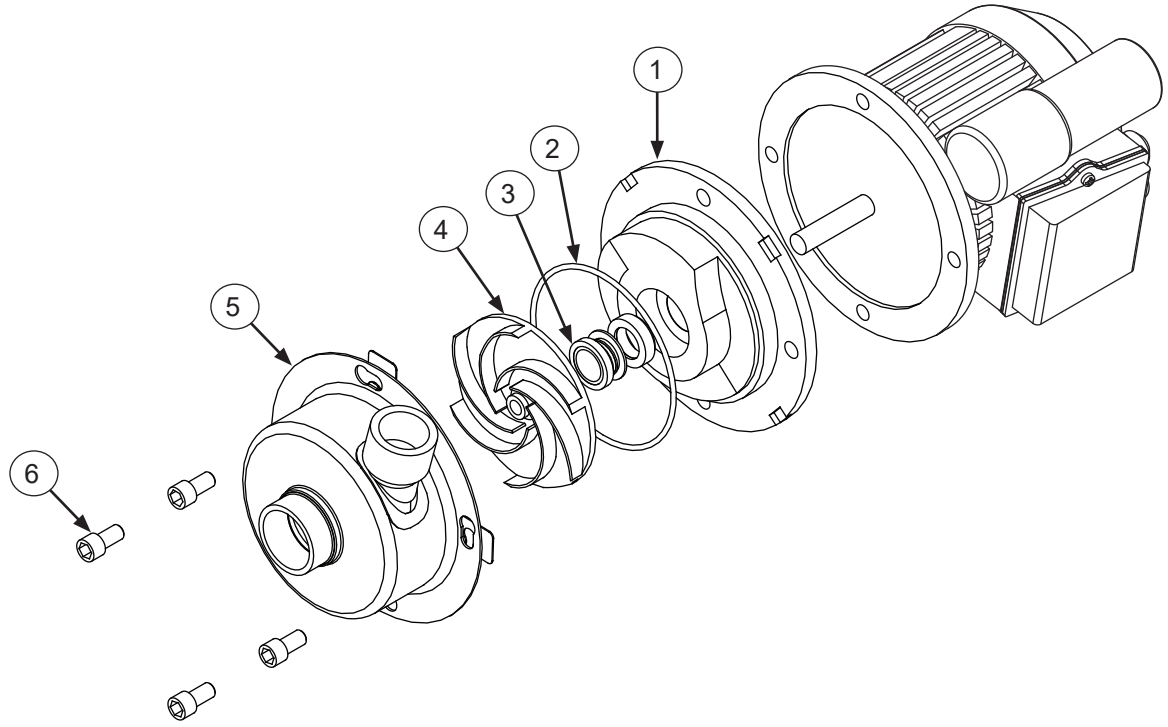
VOLTS	Hz	PHASE	WASH MOTOR ASSEMBLY	MOTOR ONLY
208	60	1	06105-004-24-80	06105-004-32-04
230	60	1	06105-004-24-80	06105-004-32-04

NOTICE

When servicing a wash motor, it is important to refer to the wiring schematic found on the motor to ensure the motor is wired correctly. Different manufacturers of motors might not use the same wire color codes and your new motor might not connect using the same wires. Always refer to the wiring diagrams on the motor you are installing. If the motor you are installing has had the schematic removed, contact the manufacturer immediately for technical support.

Parts

(See previous page for complete assemby.)

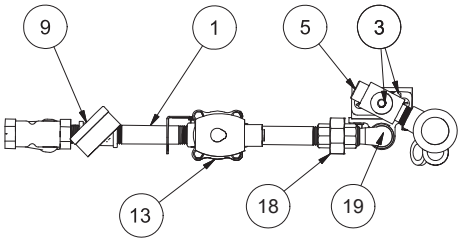


The models covered in this manual come supplied with various wash motors (see previous page), depending on the characteristics of the machine. To ensure you order the correct parts for the model you are servicing, please refer to the following table:

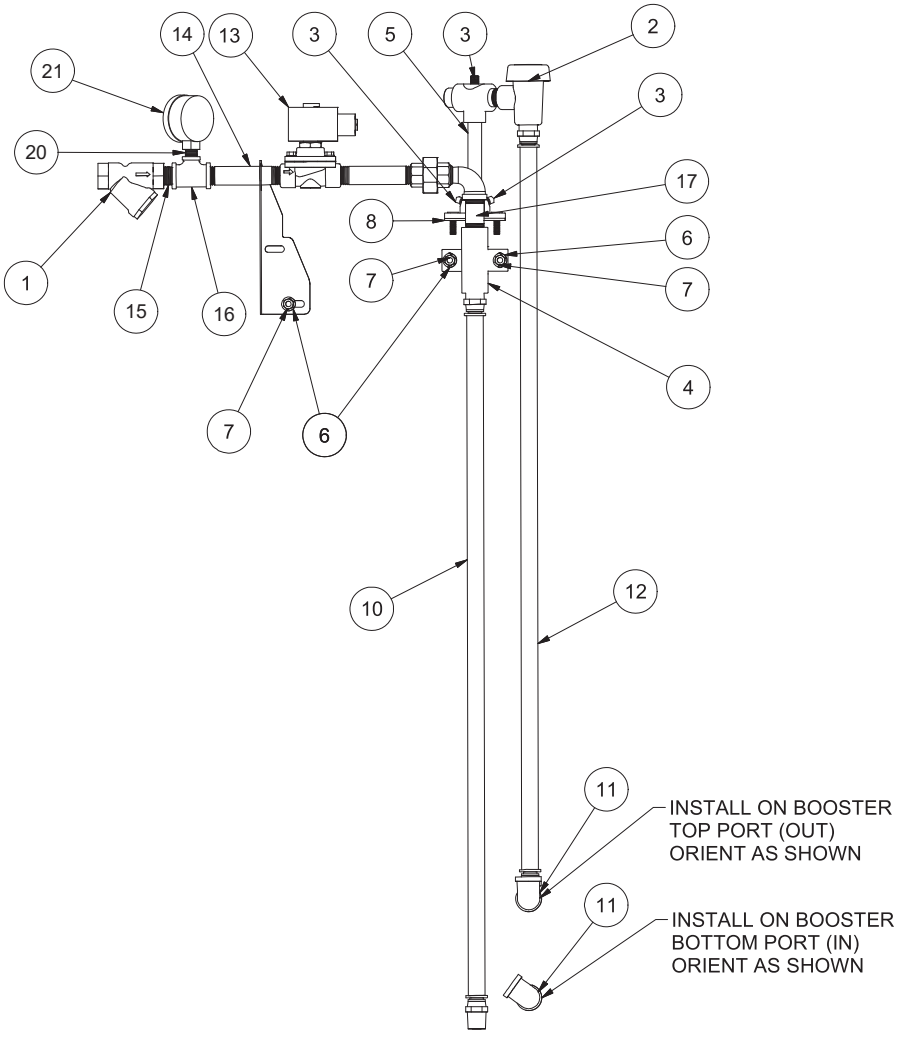
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Seal Plate	05700-002-81-87
2	1	Case O-ring	05330-002-81-83
3	1	Mechanical Seal	05330-002-34-22
4	1	Impeller Assembly	05700-002-81-86
5	1	Pump Casing	05700-002-85-01
6	1	Case Capscrew	05305-002-81-88

Complete Plumbing Assembly
05700-004-54-52

Top View



Back View

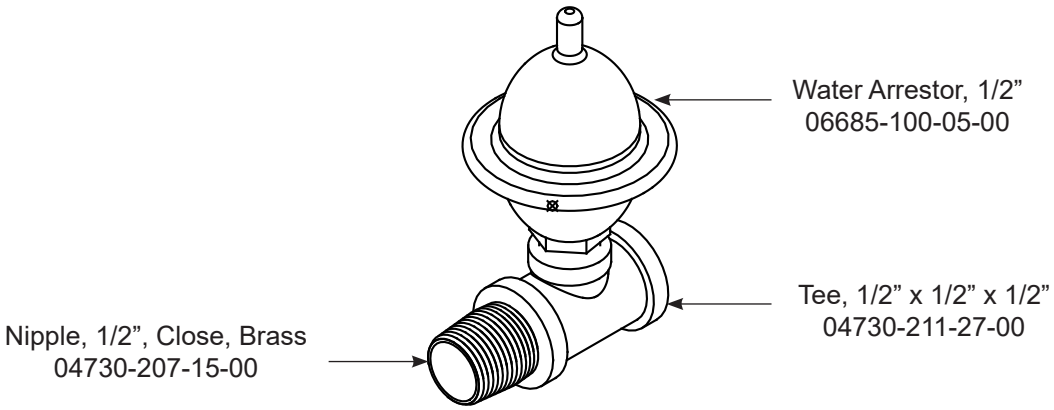


NOTICE

When servicing plumbing components, take care not to damage the threads of each individual item. Damaged threads can cause leaks and loss of pressure, which could adversely affect the performance of the machine. It is strongly recommended that thread tape—used in conservative amounts—be applied to threads when joining components together. Do not use thread-sealing compounds, sometimes referred to as "pipe dope." Compounds can be ejected from the threads during the tightening process and become lodged in key components, rendering them useless, including solenoid valves and pressure gauge ball valves.

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Y-strainer, 1/2"	04730-217-01-10
2	1	Vacuum Breaker, 1/2" Brass	04820-003-06-13
3	3	Plug, Rinse Injector, 1/8” Brass	04730-209-07-37
4	1	Casting, 1/2" Flanged Coupling	05700-004-47-97
5	1 1	Rinse Injector Gasket, Rinse Injector (Not Shown)	05700-004-26-98 05330-111-42-81
6	3	Washer, 1/4-20 Hex with Nylon Insert	05311-174-01-00
7	3	Locknut, 1/4-20 Hex with Nylon Insert	05310-374-01-00
8	1	Gasket, Rinse Manifold	05330-003-75-91
9	1	Decal, 10 PSI	09905-004-50-73
10	1	Hose, 1/2" x 31" Blue	05700-004-54-56
11	2	Elbow, 1/2" 90-degree Brass	04730-011-42-96
12	1	Hose, 1/2" x 33" Red	05700-004-51-62
13	1	Solenoid Valve, 1/2"	04810-003-71-56
14	2	Nipple, 1/2" x 4" Brass	04730-207-04-00
15	1	Nipple, 1/2" Brass	04730-207-15-00
16	1	Tee, 1/2" x 1/2" x 1/4"	04730-002-22-56
17	1	Nipple, 1/2" x 2" Brass	04730-207-19-00
18	1	Union, 1/2" x 1/2" Brass	04730-003-62-44
19	1	Elbow, 1/2" 90-degree Street Brass	04730-206-08-00
20	1	Ball Valve, 1/4" Bronze	04810-011-72-67
21	1	Pressure Gauge	06685-111-88-34

SHOCK ABSORBER (WATER ARRESTOR) OPTION

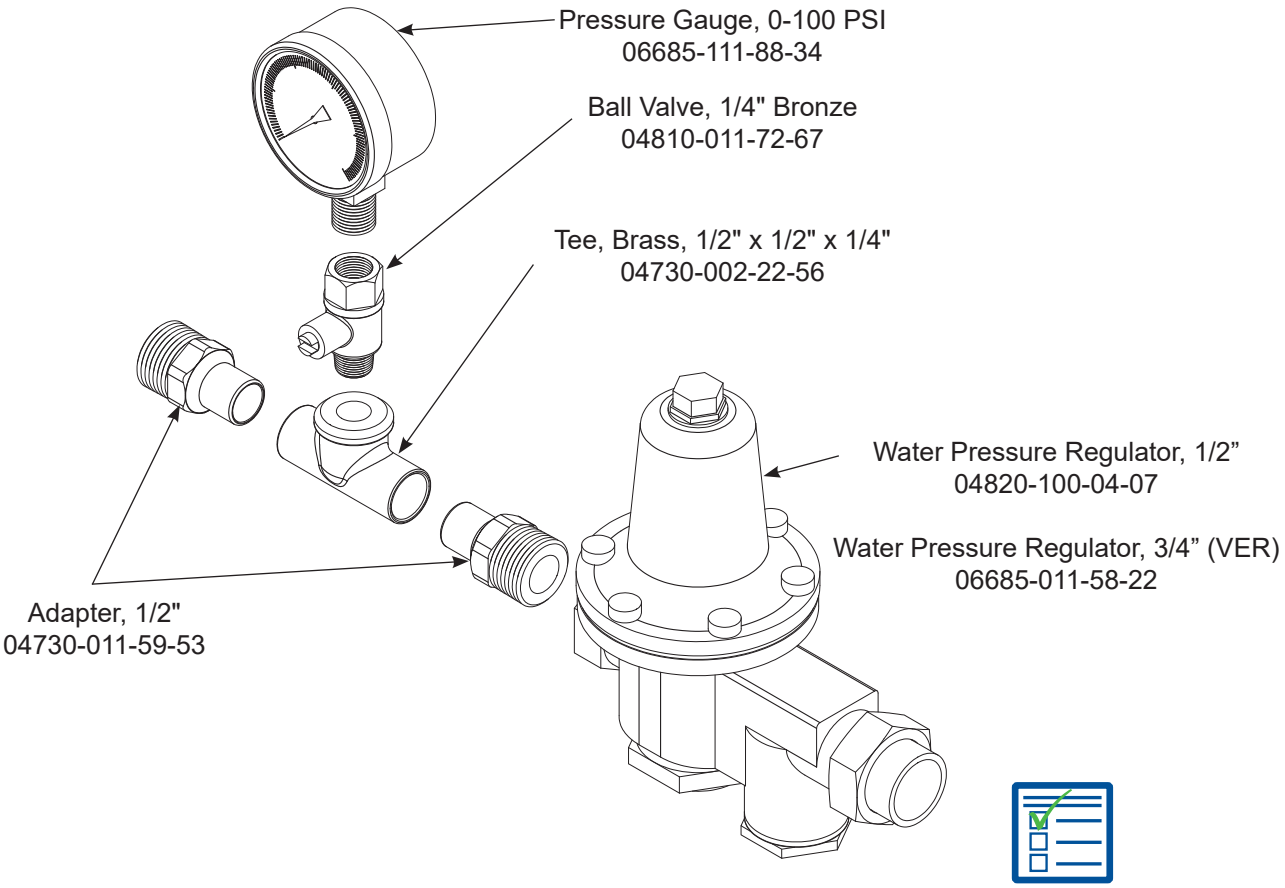


WATER TREATMENT OPTION

Scaltrol System
04730-003-05-76

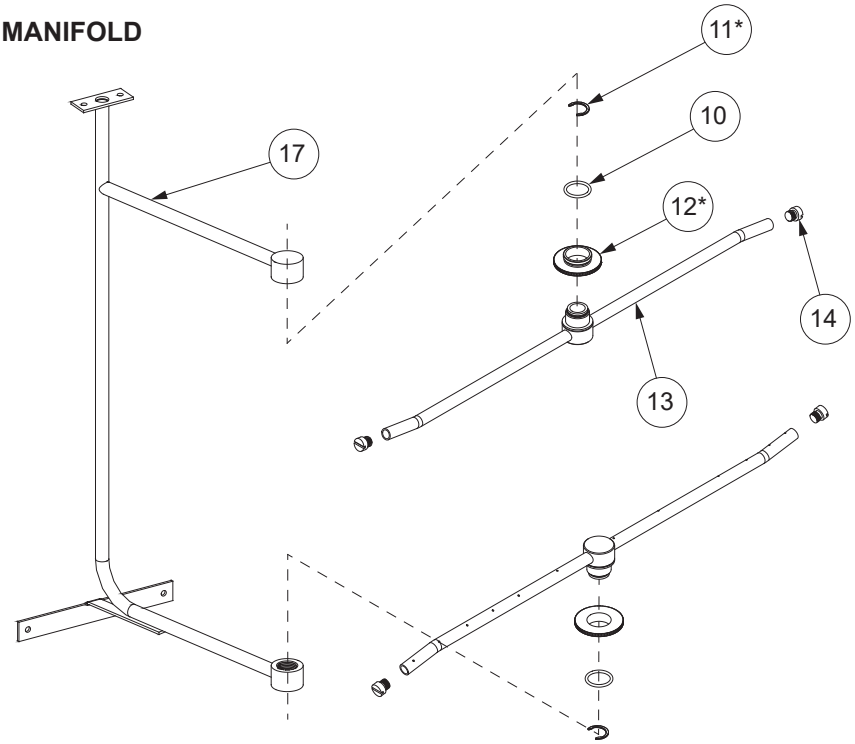
Replacement Cartridge
(inspect at least every 6 months)
RSC-100

PRESSURE REGULATING VALVE OPTION*

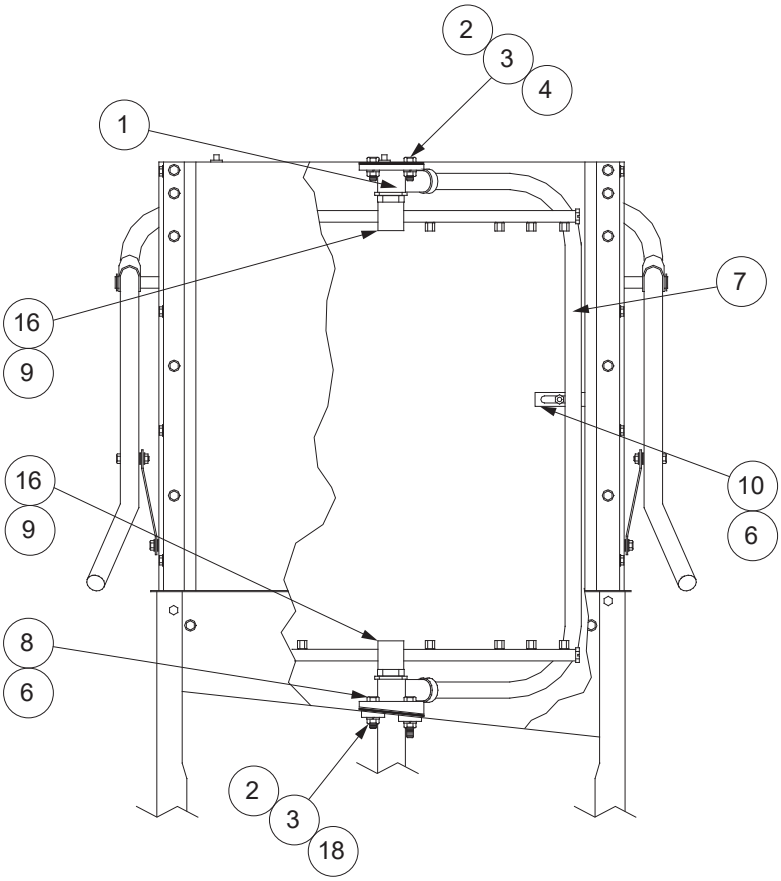


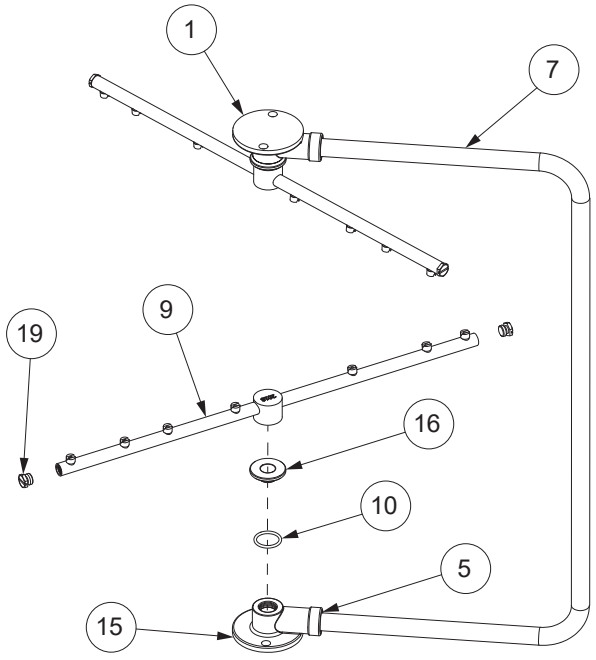
PRV comes standard on the TempStar VER but ships inside the machine. Click **here for install instructions.*

FINAL RINSE ARMS & MANIFOLD



WASH ARMS & MANIFOLD





WASH & RINSE ASSEMBLIES

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Upper Manifold	05700-031-34-82
2	4	Nut, 3/8-16 Hex	05310-276-01-00
3	4	Lockwasher, 3/8"	05311-276-01-00
4	2	Bolt, Hex 3/8-16 x 7/8"	05306-011-36-95
5	2	O-ring	05330-111-35-15
6	1	Positioning Bracket, Manifold Tube	05700-011-34-63
7	1	Tube, Wash Manifold	05700-131-15-07
8	2	Gasket, Manifold	05700-111-35-03
9	1	Wash Arm	05700-004-13-13
10	4	O-ring, Silicone 13/16" ID x 1" OD	05330-002-60-69
11*	2	Clip, Retaining, Rinse Head Bushing	05340-112-01-11
12*	2	Bearing Assembly, Rinse Arm	05700-004-54-71
13	2	Rinse Arm	05700-003-58-94
14	4	Rinse Arm End-cap	04730-111-60-41
15	1	Lower Wash Manifold	05700-031-46-00
16	2	Bearing Assembly	05700-021-35-97
17	1	Rinse Manifold Assembly	05700-021-47-61
18	2	Bolt, Hex 3/8-16 x 1 1/4"	05305-276-10-00
19	4	Wash Arm End-cap	05700-003-31-59

*Rinse Arm Bearing Kit
(Includes items 11 and 12)
06401-004-57-50

Call 1-880-800-5672 to order kits for TempStar models and use the part numbers below:

DESCRIPTION	PART NUMBER
Door Magnet Cover Kit	06401-004-07-73
Drain Water Tempering Kit	06401-004-85-80
Exhaust Fan Contactor Kit	05700-004-35-35
False Panel Kit	05700-002-75-59
Phase Conversion Kit	06401-004-00-22
Fans Conversion Kit, AC to DC	06401-004-83-93
TempStar Go Box*	06401-003-62-04

*The Go Box is a kit of the most-needed parts to successfully complete a repair in the first call 90% or more of the time.

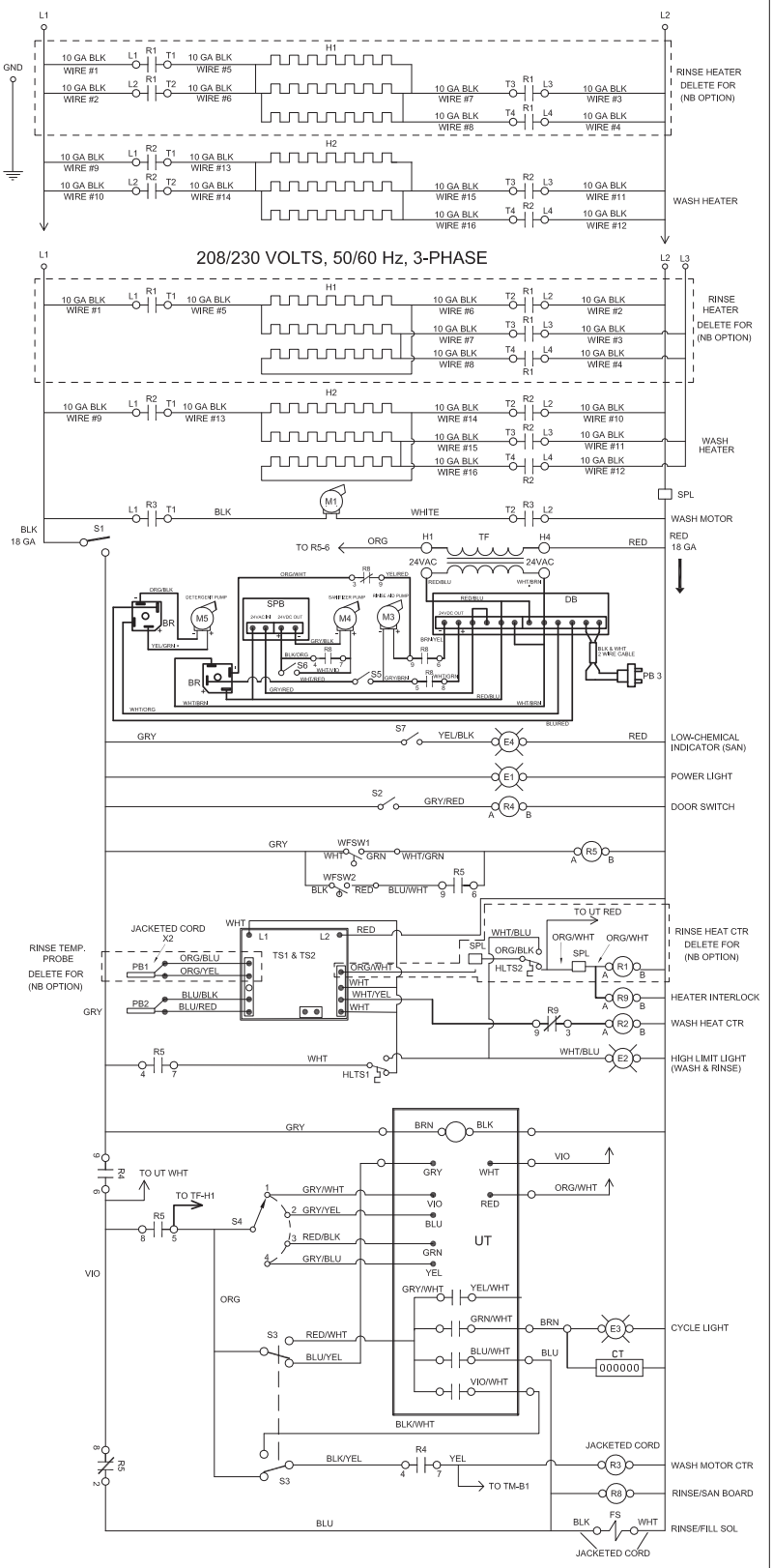
TEMPSTAR–F SCHEMATIC

208/230 VOLTS, 50/60 Hz, 1-PHASE

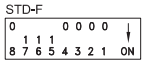
208/230 VOLTS, 50/60 Hz, 3-PHASE

LEGEND

L1,L2,L3	POWER DISTRIBUTION BLOCK
GND	GROUND
H1	RINSE HEATER
H2	WASH HEATER
M1	WASH MOTOR
M2	DOOR INTERLOCK MOTOR
M3	RINSE AID PUMP MOTOR
M4	SANITIZER PUMP MOTOR
M5	DETERGENT PUMP MOTOR
R1	RINSE HEATER CONTACTOR
R2	WASH HEATER CONTACTOR
R3	WASH MOTOR CONTACTOR
R4	CONTROL RELAY
R5	FILL RELAY
R7	VER RECOVERY FAN RELAY
R8	RINSE/SAN BOARD RELAY
R9	HEATER INTERLOCK RELAY
F1	FUSE, EXHAUST FAN
S1	POWER SWITCH
S2	DOOR SWITCH
S3	AUTO/MANUAL (DELIME) SWITCH
S4	CYCLE SELECTOR
S5	RINSE AID PRIME SWITCH
S6	SANITIZER PRIME SWITCH
S7	LOW PRODUCT VACUUM SWITCH
E1	POWER LIGHT
E2	HEATER OVERLOAD LIGHT
E3	CYCLE LIGHT
E4	SANITIZER LOW PRODUCT LIGHT
HLTS1	HIGH LIMIT, WASH HEATER
HLTS2	HIGH LIMIT, RINSE HEATER
TS1	RINSE HEATER THERMOSTAT
TS2	WASH HEATER THERMOSTAT
WFSW1	WASH FLOAT SWITCH 1
WFSW2	WASH FLOAT SWITCH 2
FS	RINSE/FILL SOLENOID
UT	UNIVERSAL TIMER
BR	BRIDGE RECTIFIER
PB1	RINSE TEMP PROBE
PB2	WASH TEMP PROBE
PB3	DETERGENT PROBE
CT	CYCLE COUNTER
SPL	SPLICE
TF	24VAC TRANSFORMER
SB	SANITIZER BOARD



STD-F



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INSTALLATION, OPERATION, AND SERVICE MANUAL

TEMPSTAR SERIES DOOR-TYPE DISHMACHINES

Jackson WAREWASHING SYSTEMS

Jackson WWS, Inc. • 6209 N. US Hwy 25E • Gray, KY 40734 USA
1.888.800.5672 • www.jacksonwws.com

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