



Warewashing Systems

INSTALLATION, OPERATION, AND SERVICE MANUAL



JFT SERIES

RACKLESS CONVEYOR FLIGHT-TYPE DISHMACHINES

MANUFACTURER'S WARRANTY

ONE YEAR LIMITED PARTS AND LABOR WARRANTY

ALL NEW JACKSON DISHWASHERS ARE WARRANTED TO THE ORIGINAL PURCHASER TO BE FREE FROM DEFECTS IN MATERIAL OR WORKMANSHIP, UNDER NORMAL USE AND OPERATION, FOR A PERIOD OF (1) ONE YEAR FROM DATE OF PURCHASE, BUT IN NO EVENT TO EXCEED (18) EIGHTEEN MONTHS FROM DATE OF SHIPMENT FROM THE FACTORY.

Jackson WWS agrees under this warranty to repair or replace, at its discretion, any original part which fails under normal use due to faulty material or workmanship during the warranty period, providing the equipment has been unaltered, and has been properly installed, maintained, and operated in accordance with the applicable factory instruction manual and failure is reported to an authorized service agency within the warranty period. This includes the use of factory-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 void warranty certification.

The labor to repair or replace such failed part will be paid by Jackson WWS, within the continental United States, Hawaii, and Canada, during the warranty period provided a Jackson WWS authorized service agency, or those having prior authorization from the factory, performs the service. Any repair work by persons other than a Jackson WWS authorized service agency is the sole responsibility of the customer. Labor coverage is limited to regular hourly rates; overtime premiums and emergency service charges will not be paid by Jackson WWS.

Accessory components not installed by the factory carry a (1) one year parts warranty only. Accessory components such as table limit switches, pre-rinse units, etc. that are shipped with the unit and installed at the site are included. Labor to repair or replace these components is not covered by Jackson WWS.

This warranty is void if failure is a direct result from shipping, handling, fire, water, accident, misuse, acts of God, attempted repair by unauthorized persons, improper installation, if serial number has been removed or altered, or if unit is used for a purpose other than originally intended.

TRAVEL LIMITATIONS

Jackson WWS limits warranty travel time to (2) two hours and mileage to (100) one-hundred miles. Jackson WWS will not pay for travel time and mileage that exceeds this, or any additional fees—such as those for air or boat travel—without prior authorization.

WARRANTY REGISTRATION

To register your product, go to www.jacksonwws.com or call 1-888-800-5672. Failure to register your product will void the warranty.

REPLACEMENT PARTS WARRANTY

Jackson replacement parts are warranted for a period of (90) ninety days from date of installation or (180) one-hundred-eighty days from the date of shipment from the factory, whichever occurs first.

PRODUCT CHANGES AND UPDATES

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

THIS IS THE ENTIRE AND ONLY WARRANTY OF JACKSON WWS. JACKSON'S LIABILITY ON ANY CLAIM OF ANY KIND, INCLUDING NEGLIGENCE, 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.

THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING FOR FITNESS OR MERCHANTABILITY, THAT ARE NOT SET FORTH HEREIN, OR THAT EXTEND BEYOND THE DURATION HEREOF. UNDER NO CIRCUMSTANCES WILL JACKSON WWS BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, OR FOR DAMAGES IN THE NATURE OF PENALTIES, ARISING OUT OF THE USE OR INABILITY TO USE ANY OF ITS PRODUCTS.

ITEMS NOT COVERED

THIS WARRANTY DOES NOT COVER CLEANING OR DELIMING OF THE UNIT OR ANY COMPONENT SUCH AS, BUT NOT LIMITED TO, WASH ARMS, RINSE ARMS, OR STRAINERS AT ANYTIME. NOR DOES IT COVER ADJUSTMENTS SUCH AS, BUT NOT LIMITED TO, TIMER CAMS, THERMOSTATS, OR DOORS BEYOND (30) THIRTY DAYS FROM THE DATE OF INSTALLATION. IN ADDITION, THE WARRANTY WILL ONLY COVER REPLACEMENT WEAR ITEMS SUCH AS CURTAINS, DRAIN BALLS, DOOR GUIDES, OR GASKETS DURING THE FIRST (30) THIRTY DAYS AFTER INSTALLATION. ALSO, NOT COVERED ARE CONDITIONS CAUSED BY THE USE OF INCORRECT (NON-COMMERICAL) GRADE DETERGENTS, INCORRECT WATER TEMPERATURE OR PRESSURE, OR HARD WATER CONDITIONS.

REVISION HISTORY

Revision Letter	Revision Date	Made by	Applicable ECNs	Details
C	4-30-04	CBW	N/A	Updated to new format. Added missing parts to steam booster assembly.
D	12-16-04	MAW	7144, 7143 7145, 7156	Added new tall door assembly parts. Added stop brackets to unloader stop assembly. Added keys and set screws for gears. Changed number for back strainer support. Changed drain handle number. Changed manifold, rinse arm and plumbing assemblies to reflect new design. Added the short door assemblies. Corrected number for switches on load end asm. Changed drawing for belt assembly. Added unload end assembly plumbing. Updated schematic to revision B. Added 600 V machines.
E	3-16-06	MAW	7316, 7176 7328, 7450 7197, 7263 7289, 7270 7331, 7343 7374	Added spacer gaskets. Replaced level control parts with swing arm sensor. Added final rinse arm assembly for no pump final rinse units. Added service numbers for motor assemblies. Added new screws for door guides. Added regulator to final rinse tank. Added dish stabilizer to blower box assembly. Changed drain connection from 3 to 2 inches. Added new final rinse tank assembly. Updated dimensions page.
58	12-18-06	CS	7889	Replace 45 kW booster heater with 27 kW booster heater.
2, 3, 4	8-20-07	MAW	N/A	Updated electrical requirements from 45 kW to 27 kW. Changed flow rate from 3.7 to 2.3 GPM.
35, 53, 55	9-13-07	MAW	7836	Updated peg part number from 05700-002-63-88 to 05700-003-25-80. Added water pressure gauge to control box and parts list.
2 THRU 11	9-14-07	MAW	N/A	Updated the specifications and added dimensions pages.
77, 75, 60, 82, 39	10-11-07	MAW	7673, 7818, 7816, 7804, 7826, 7806	Updated heaters to 3Y. Replaced 4810-002-83-15 solenoid with 4820-011-87-39. Added Control box door brace and button guards. Added loader/unloader strainer weldment. Added sensor cover. Added slide stop lanyard assembly.
86-90, 113-116	12-14-07	MAW	N/A	Updated schematic and added JFT-S 200 V schematic.
91-112	1-1-08	MAW	N/A	Updated schematics to include keyed switch option.
F	8-18-09	ARL	090820-1316-CW	Updated P/Ns for door spring assembly.
G	11-23-10	RLC	QOF 386	Added CEC note to page 15
H	3-19-13	RLC	QOF NDB-219	Updated manufacturer information.
I	2-10-14	MHH	QOF 386	Updated manufacturer warranty. Removed "Stop" page. Corrected P/N of conveyor belt return on pg. 35 (P/Ns were correct; arrows were pointing at wrong parts).
J	12-16-14	KAP	N/A	Corrected P/N and Description on pg. 83 for #5 of Unload Section 18" Expansion Assembly.

REVISION HISTORY

Revision Letter	Revision Date	Made by	Applicable ECNs	Details
K	2-25-15	KAP	N/A	Updated 58 Gallon Electrical Requirements. Added 139 Gallon Electrical Requirements.
L	3-11-15	KAP	N/A	Updated P/N for item # 58 on pg. 69
M	3-25-15	KAP	N/A	Corrected drawing numbers on pg. 67.
N	4-15-15	KAP	N/A	Updated Schematics
P	9-14-15	KAP	N/A	Added Drain Quench Kit on pg. 105.
Q	11-9-15	JH	N/A	Corrected part numbers on pg. 45.
R	1-18-16	JH	N/A	Changed part number for item #10 on pg. 97 to 05315-002-94-91.
S	12-4-17	JH	N/A	Updated to new manual format. Audited and corrected all P/Ns in the manual.



JFT/JFT-S

JFT - Electrically-heated rackless conveyor dishmachine

JFT-S - Steam-heated rackless conveyor dishmachine

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 with you 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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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.

ABBREVIATIONS & ACRONYMS

ANSI - American National Standards Institute

CFM - Cubic Feet per Minute

ER - Energy Recovery

FPM - Feet per Minute

GHT - Garden Hose Thread

GPM - Gallons per Minute

GPG - Grains per Gallon

HP - Horse Power

Hz - Hertz

ID - Inside Diameter

kW - Kilowatts

NFPA - National Fire Protection Association

NPT - National Pipe Thread

ppm - Parts per Million

PSI - Pounds per Square Inch

V - Volts

SPECIFICATIONS

JFT OPERATING PARAMETERS

Operating Capacity:

Dishes or Glasses per Hour (8.6 FPM)	17,101
Dishes or Glasses per Hour (6.4 FPM)	12,726

Tank Capacity (Gallons):

Prewash Tank	36
Wash Tank	36
Rinse Tank	36

Pump Capacity (GPM):

Prewash Tank	260
Wash Tank	260
Rinse Tank	230

Venting Requirements (CFM)(100% Capacity)

(INDIRECT)	1200
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Conveyor Speed (FPM)

High End	8.6
Low End	6.4

HOT WATER SANITIZING

Water Temperatures (°F):

Prewash Temperature	140
Minimum Wash Temperature	152
Power Rinse Temperature	161
Final Rinse Temperature	180

Other Water Requirements:

Water Flow Pressure (PSI)	20 ± 5
Flow Rate Minimum (GPM)	2.3

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.

All electrical ratings provided in this manual are for reference only. Always refer to the machine data plate to get the exact electrical information for this machine. **All electrical work performed on machines should be done in accordance with applicable local, state, territorial, and national codes.** Work should only be performed by qualified electricians and authorized service agents.



NOTICE *All electrical wiring used in the dishmachine must be rated, at a minimum, for 212 °F (100 °C), and only copper conductors must be used.*

Where applicable, heating element amperage draws have been adjusted for the assumed input voltage. The manufacturer assumes incoming voltages will be either 208, 230, or 460 Volts. Some of the heating elements used in our machines are actually rated for other voltages, such as 240 or 480 Volts. Always verify the amperage draw of the machine in operation when sizing circuit protection.

The electrical configurations of machine components are as follows:

- | | |
|-------------------------------|---------|
| • Wash/Prewash Pump Motor (2) | 3 HP |
| • Power Rinse Pump Motor (1) | 2 HP |
| • Final Rinse Pump Motor (1) | 1/2 HP |
| • Drive Motor (1) | 1/4 HP |
| • Exhaust Fan Motor (1) | 0.31 kW |
| • Blower Dryer Motor (1) | 2.1 kW |

58 Gallons/Hr

CONTROLS, MOTORS, & BLOWER DRYER SECTION

VOLTS	PH	HZ	BLOWER HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	9 kW	44 A	60 A
230	3	60	9 kW	38 A	50 A
460	3	60	9 kW	19 A	25 A
600	3	60	9 kW	16 A	20 A

CONTROLS & MOTORS (NO BLOWER DRYER SECTION)

VOLTS	PH	HZ	BLOWER HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	N/A	12 A	15 A
230	3	60	N/A	11 A	15 A
460	3	60	N/A	6 A	15 A
600	3	60	N/A	5 A	15 A

FINAL RINSE & BOOSTER HEATER SECTION

VOLTS	PH	HZ	BOOSTER HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	18 kW	48 A	60 A
230	3	60	18 kW	42 A	60 A
460	3	60	18 kW	21 A	30 A
600	3	60	18 kW	18 A	25 A

WASH TANK SECTION

VOLTS	PH	HZ	WASH HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	24 kW	67 A	90 A
230	3	60	24 kW	56 A	70 A
460	3	60	24 kW	31 A	40 A
600	3	60	24 kW	26 A	35 A

POWER RINSE TANK SECTION

VOLTS	PH	HZ	POWER RINSE TANK HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	33 kW	92 A	115 A
230	3	60	33 kW	77 A	100 A
460	3	60	33 kW	40 A	50 A
600	3	60	33 kW	33 A	45 A

139 Gallons/Hr

CONTROLS, MOTORS, & BLOWER DRYER SECTION

VOLTS	PH	HZ	BLOWER HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	9 kW	44 A	60 A
230	3	60	9 kW	38 A	50 A
460	3	60	9 kW	19 A	25 A
600	3	60	9 kW	16 A	20 A

CONTROLS & MOTORS (NO BLOWER DRYER SECTION)

VOLTS	PH	HZ	BLOWER HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	N/A	12 A	15 A
230	3	60	N/A	11 A	15 A
460	3	60	N/A	6 A	15 A
600	3	60	N/A	5 A	15 A

FINAL RINSE & BOOSTER HEATER SECTION

VOLTS	PH	HZ	BOOSTER HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	36 kW	100 A	125 A
230	3	60	36 kW	83 A	110 A
460	3	60	36 kW	42 A	60 A
600	3	60	36 kW	35 A	50 A

WASH TANK SECTION

VOLTS	PH	HZ	WASH HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	24 kW	67 A	90 A
230	3	60	24 kW	56 A	70 A
460	3	60	24 kW	31 A	40 A
600	3	60	24 kW	26 A	35 A

POWER RINSE TANK SECTION

VOLTS	PH	HZ	POWER RINSE TANK HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	26 kW	73 A	100 A
230	3	60	26 kW	60 A	75 A
460	3	60	26 kW	33 A	50 A
600	3	60	26 kW	28 A	35 A

Operating Capacity:

Dishes or Glasses per Hour (8.6 FPM)	17,101
Dishes or Glasses per Hour (6.4 FPM)	12,726

Tank Capacity (Gallons):

Prewash Tank	36
Wash Tank	36
Rinse Tank	36

Pump Capacity (GPM):

Prewash Tank	260
Wash Tank	260
Rinse Tank	230

Venting Requirements (CFM)(100% Capacity)

(INDIRECT)	1200
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Conveyor Speed (FPM)

High End	8.6
Low End	6.4

HOT WATER SANITIZING

Water Temperatures (°F):

Prewash Temperature	140
Minimum Wash Temperature	152
Power Rinse Temperature	161
Final Rinse Temperature	180

Other Water Requirements:

Water Flow Pressure (PSI)	20 ± 5
Flow Rate Minimum (GPM)	2.3

STEAM BOOSTER REQUIREMENTS

Steam Flow Pressure (PSI)	10 - 30
Consumption at 110 °F Incoming Water Temp	145 lbs/hr
Consumption with Blower Dryer	245 lbs/hr

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SPECIFICATIONS

JFT-S ELECTRICAL REQUIREMENTS

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The electrical configurations of machine components are as follows:

- Wash/Prewash Pump Motor (2) 3 HP
- Power Rinse Pump Motor (1) 2 HP
- Final Rinse Pump Motor (1) 1/2 HP
- Drive Motor (1) 1/4 HP
- Exhaust Fan Motor (1) 0.31 kW
- Blower Dryer Motor (1) 2.1 kW

CONTROLS, MOTORS, & BLOWER DRYER SECTION

VOLTS	PH	HZ	RINSE HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	N/A	22 A	30 A
230	3	60	N/A	22 A	30 A
460	3	60	N/A	11 A	15 A
600	3	60	N/A	10 A	15 A

CONTROLS & MOTORS (NO BLOWER DRYER SECTION)

VOLTS	PH	HZ	RINSE HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	N/A	15 A	30 A
230	3	60	N/A	15 A	30 A
460	3	60	N/A	7 A	15 A
600	3	60	N/A	6 A	15 A

WASH/POWER RINSE SECTIONS (COMBINED)

VOLTS	PH	HZ	RINSE HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	N/A	16 A	20 A
230	3	60	N/A	16 A	20 A
460	3	60	N/A	8 A	15 A
600	3	60	N/A	7 A	15 A

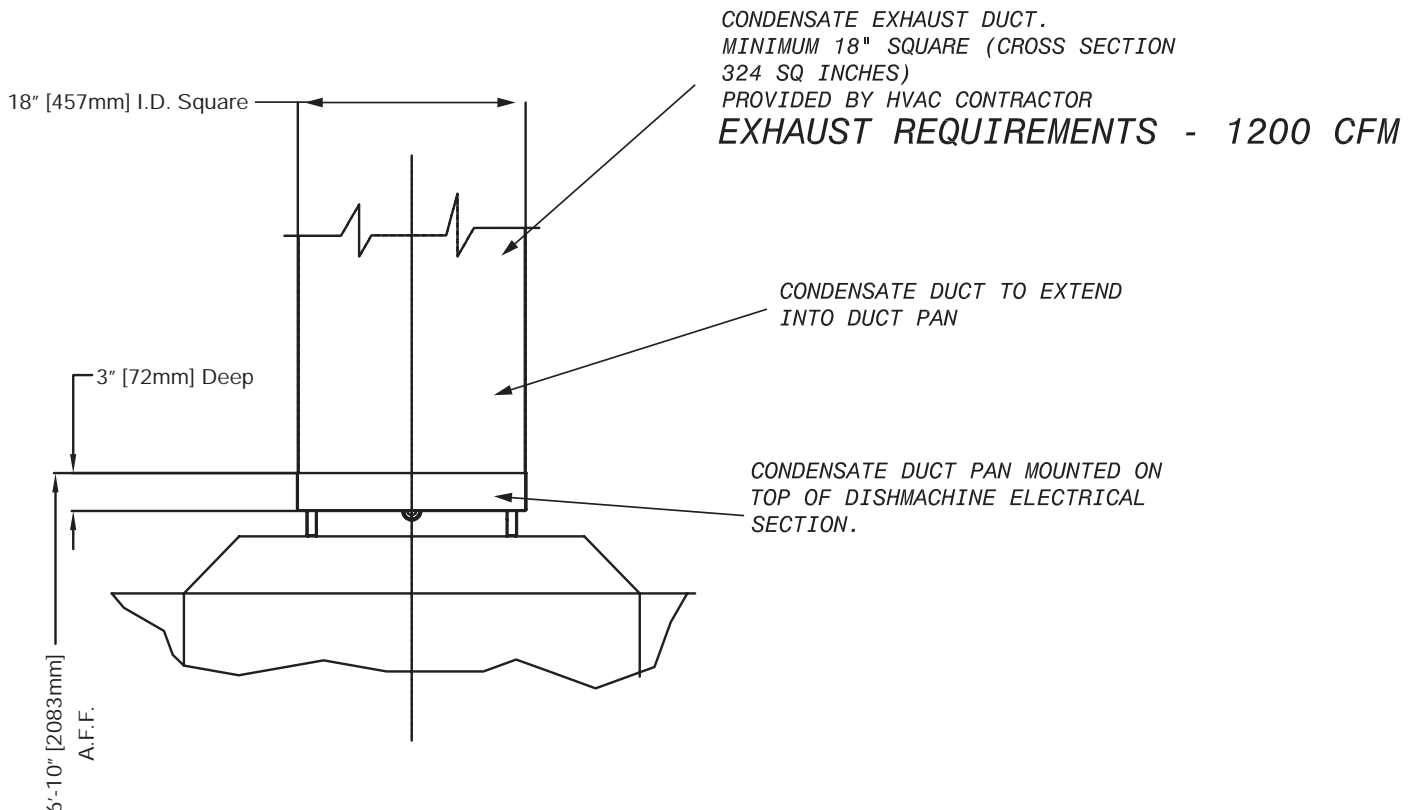
LEGEND FOR DIMENSIONS

Use the legend below for the JFT dimensions pages:

1. 1 1/2" NPT Machine Drain Connection
(floor drain - optional to either end)
2. Wash Tank Electrical Connection
3. Rinse Tank Electrical Connection
4. Booster Heater Electrical Connection
5. Motor Controls Electrical Connection
6. 3/4" NPT Incoming Water Connection
7. Condensate Connection - See Detail

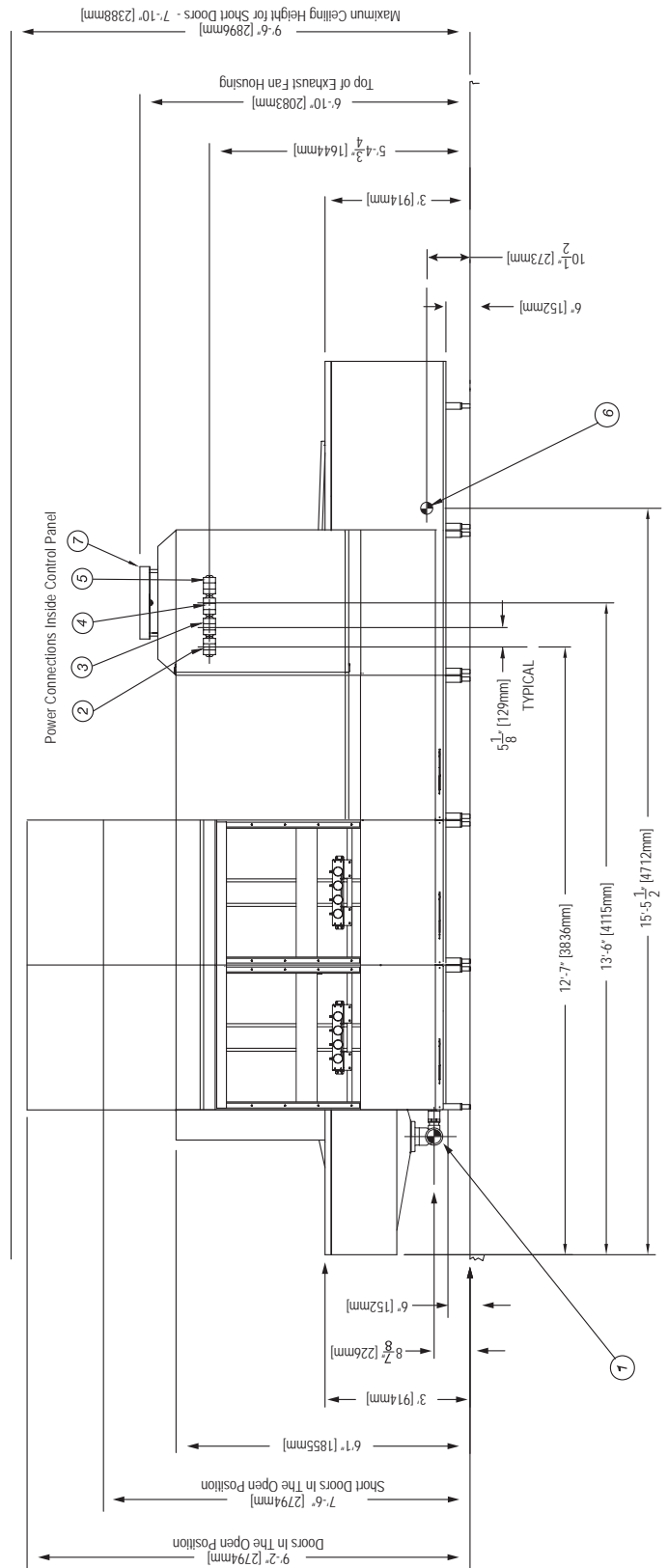
EXHAUST FAN DIMENSIONS

NOTICE The condensate removal system built into the dishmachine consists of a fan that will remove 1200 CFM. A single condensate connection must be provided by the installing contractor. This is an indirect connection that must be capable of removing the 1200 CFM from the area.



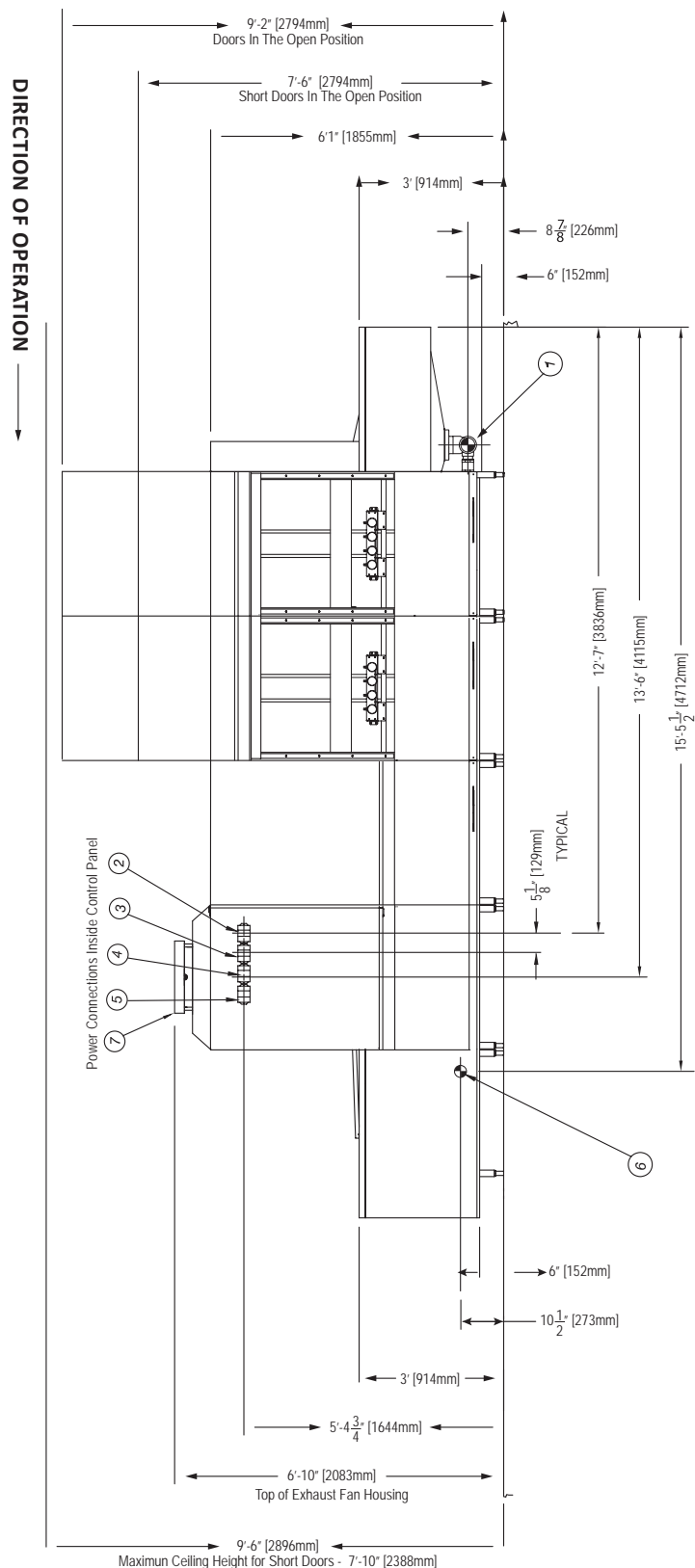
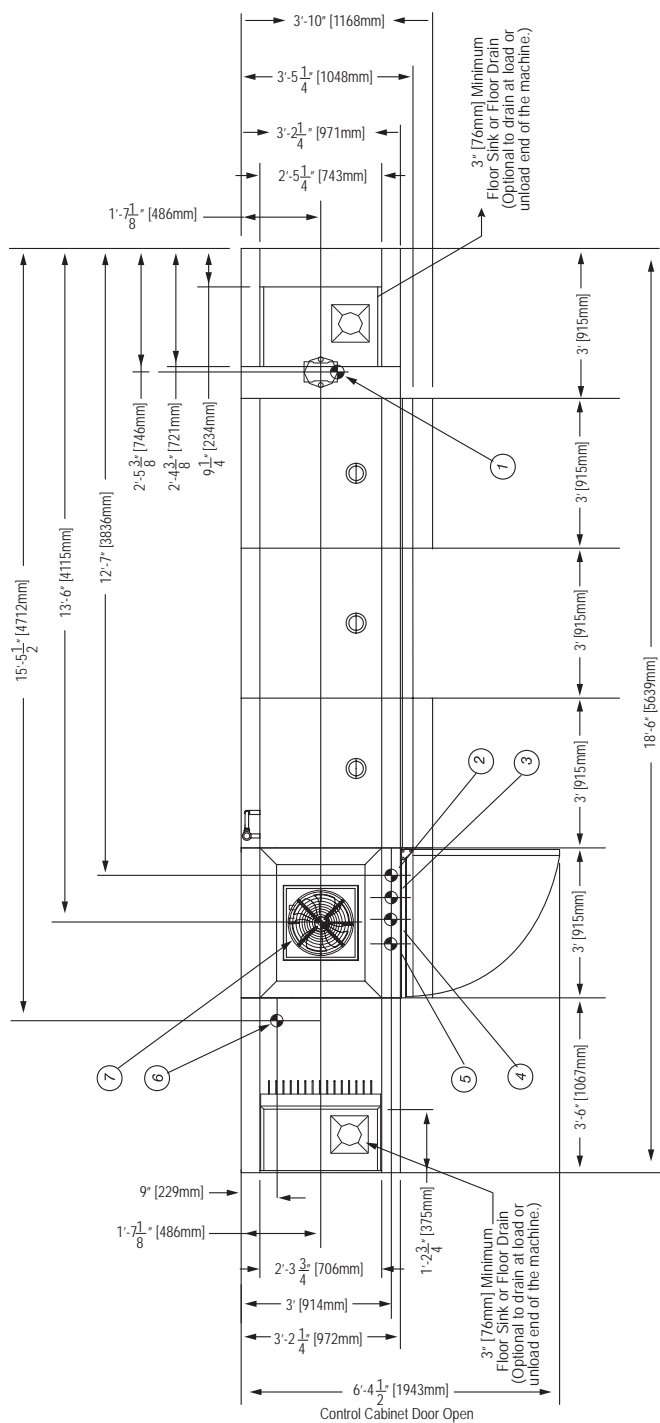
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SPECIFICATIONS

JFT RIGHT TO LEFT DIMENSIONS



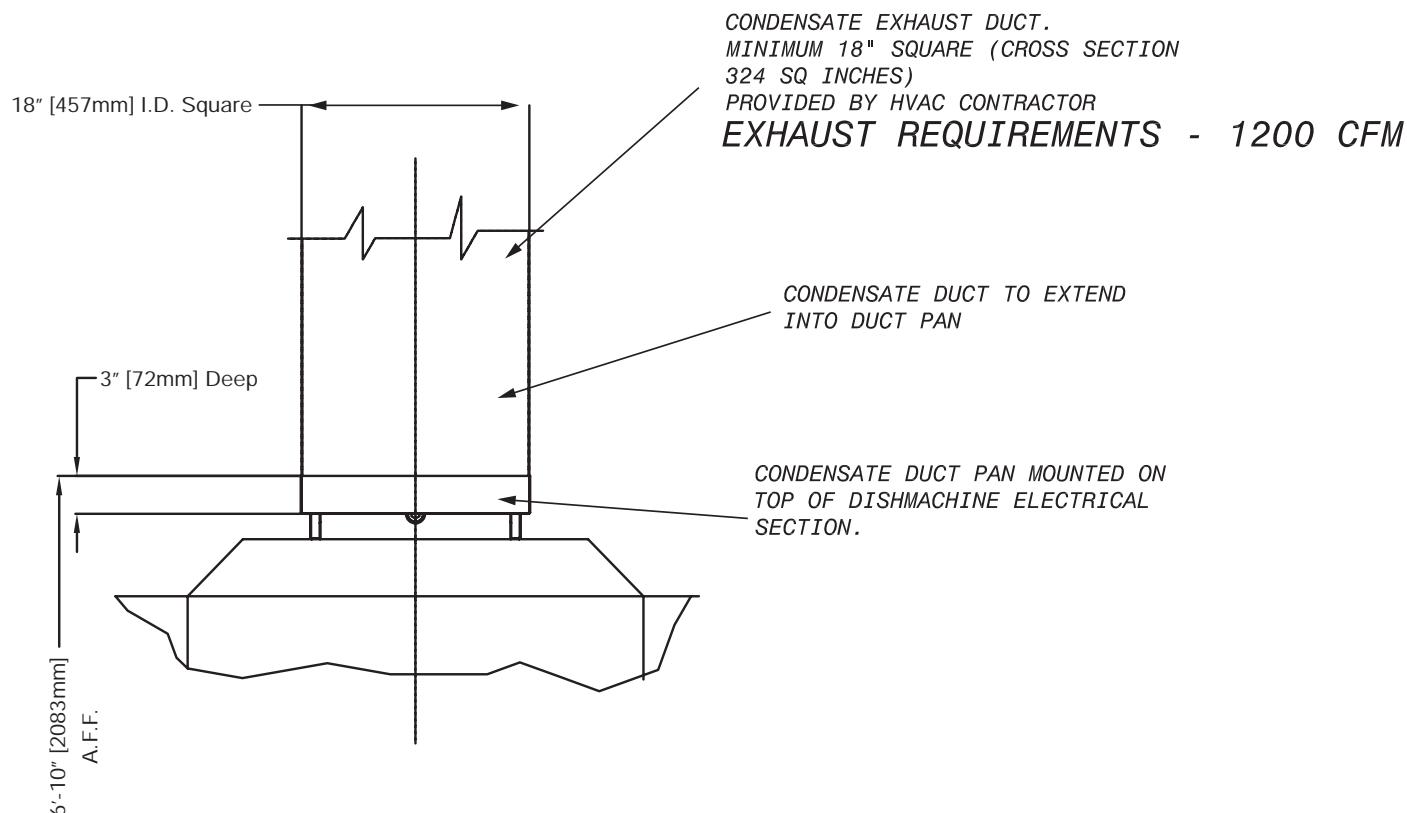
LEGEND FOR DIMENSIONS

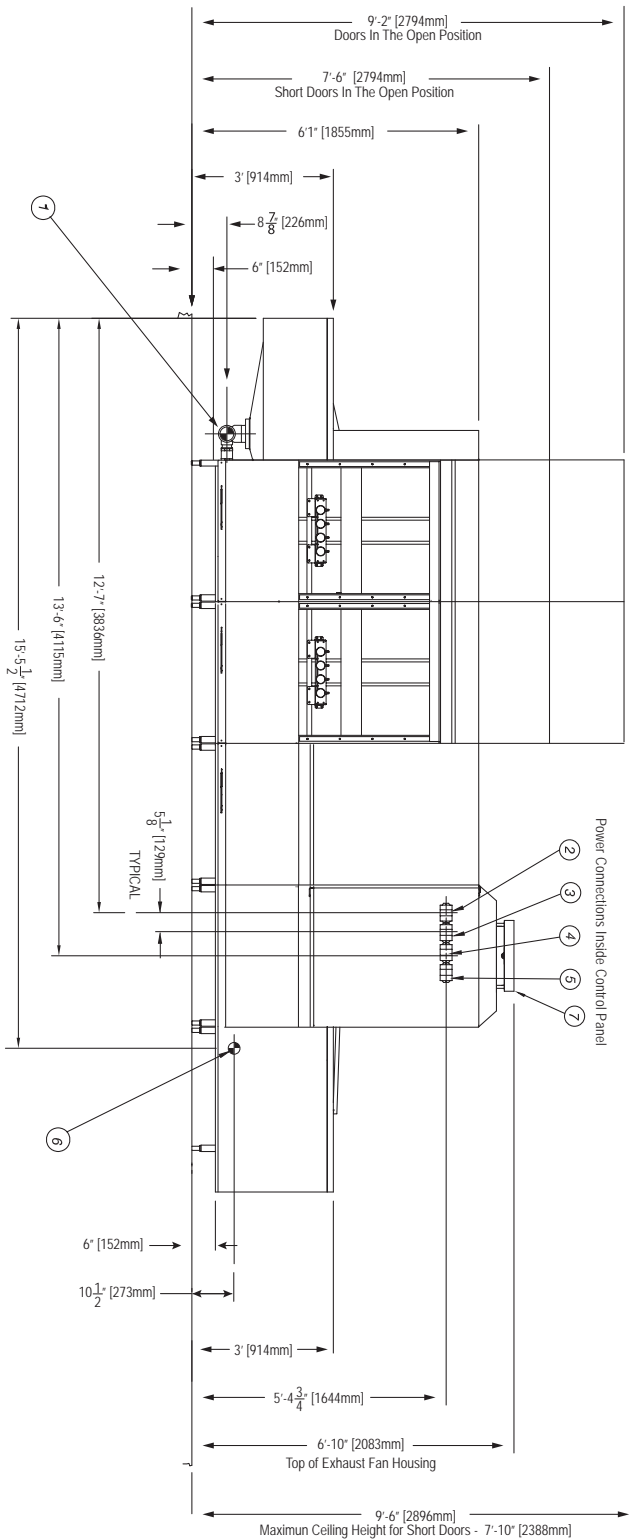
Use the legend below for the JFT-S dimensions pages:

1. 1 1/2" NPT Machine Drain Connection
(floor drain - optional to either end)
2. Electrical Connection
3. 3/4" NPT Incoming Water Connection
4. 1 1/2" NPT Steam Connection
5. 3/4" NPT Wash Section Condensate Return
6. 3/4" NPT Power Rinse Section Condensate Return
7. 3/4" NPT Booster Heater Condensate Return
8. Condensate Connection - See Detail

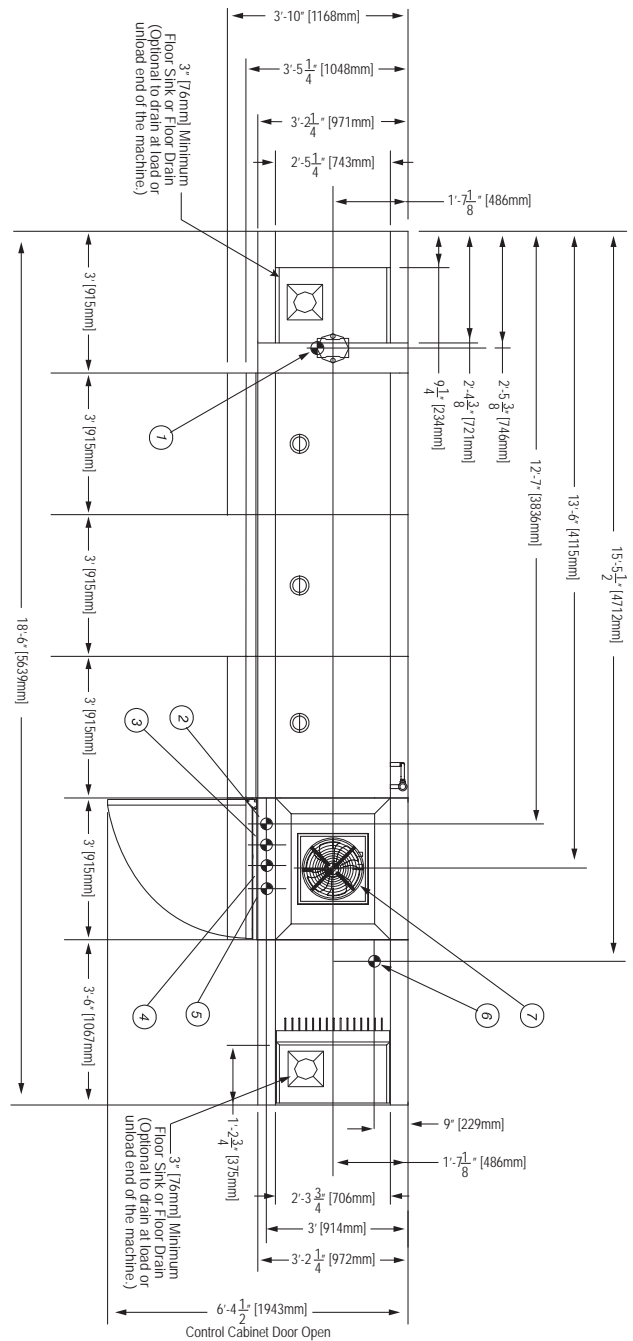
EXHAUST FAN DIMENSIONS

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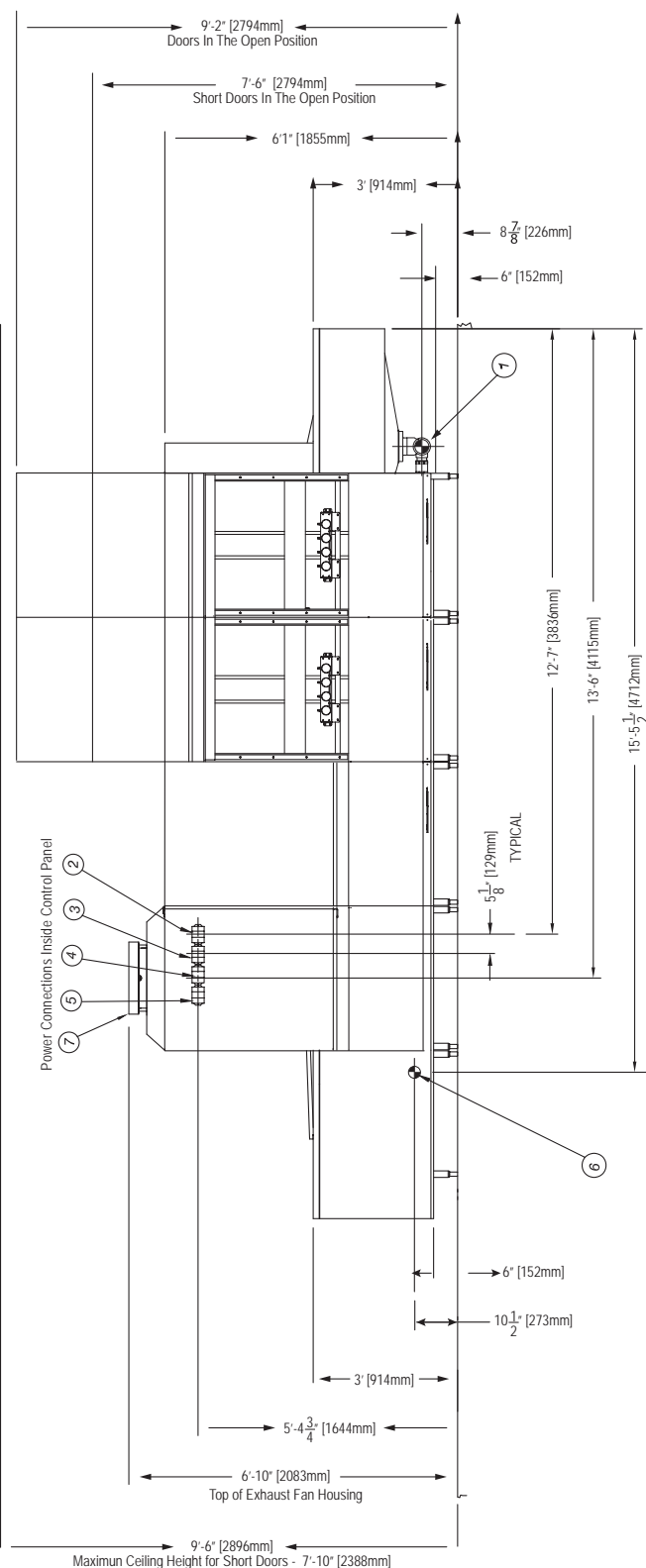




DIRECTION OF OPERATION →



JFT-S RIGHT TO LEFT DIMENSIONS



NOTE ON INSTALLATION

NOTICE All JFT models are accompanied by a certified technician for the initial installation. Many of the questions and problems that arise, as well as the proper procedures for installation, should be directed to this person.

INSPECTION

*Do not throw away
packaging if damage is
evident!*

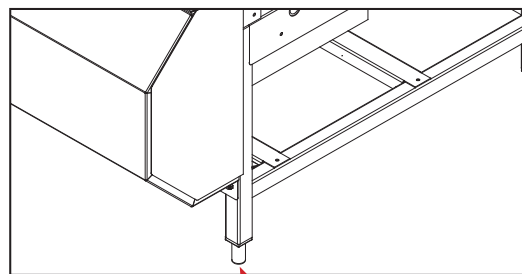
Before installing the unit, check the packaging and machine for damage. Damaged packaging is an indicator that there might be damage to the machine. If there is damage to both the packaging and machine, do not throw away the packaging. The dishmachine has been inspected and packed at the factory and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

UNPACKING

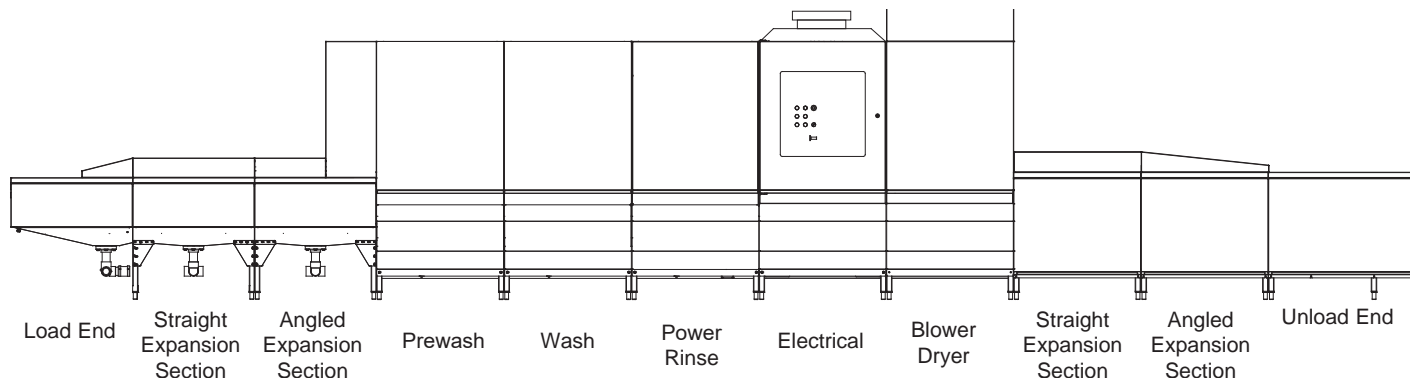
Your JFT model dishmachine will come packaged in several containers as each individual section is packed separately. Once the machine sections have been removed from the container, ensure that there are no missing parts. This might not be obvious at first. If an item is missing, contact the manufacturer immediately.

LEVELING

The dishmachine is designed to operate while level. This is important to prevent any damage to the machine during operation and to ensure the best results when washing ware. The unit comes with adjustable bullet feet, which can be turned using a pair of pliers (or by hand if the unit can be raised safely). Ensure that the unit is level from side-to-side and from front-to-back before making any connections.



Adjustable Bullet Foot



CONNECTION OF MACHINE COMPONENTS

The dishmachine arrives in separate pieces for ease of installation. Silicone must be applied between each section (all connecting surfaces, including bolt holes, etc.) before each is bolted together. When connecting the sections, use pins or spikes to center components before clamping the machine together. Once clamped, the sealant will be squeezed from all cracks where applied. The sections are now ready to have the hardware inserted into place.



CAUTION! Do not tighten hardware at this point!

Check that all sheet joints, bends, and—especially—guiding rails are properly aligned and if necessary, readjust at this point. After all connections are ready, tighten the hardware. Remove excess protruding sealant with a plastic scraper. Once removed, smooth the sealant seam with fingers and soapy water.

PLUMBING

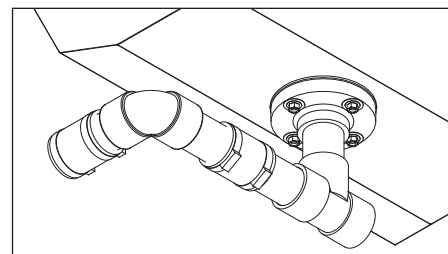
The plumber MUST flush the incoming water line!

Plumbing connections must comply with all applicable local, state, and national plumbing codes. The plumber is responsible for ensuring that the incoming water line is thoroughly flushed before connecting it to any component of the dishmachine. All foreign debris must be removed from the water line to prevent debris getting trapped in the valves or causing 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.

DRAIN LINE

The drains for the models covered in this manual are gravity-discharge drains. All piping from the 2" connection on the load section 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 3" 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 30 GPM.



Load End Drain Connection

WATER SUPPLY CONNECTION

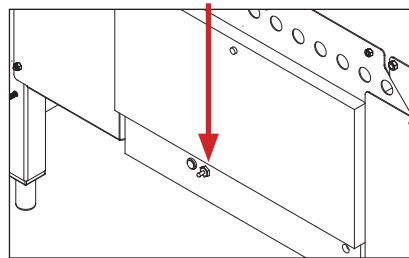


CAUTION! Install water treatment equipment if water hardness is greater than 3 GPG.

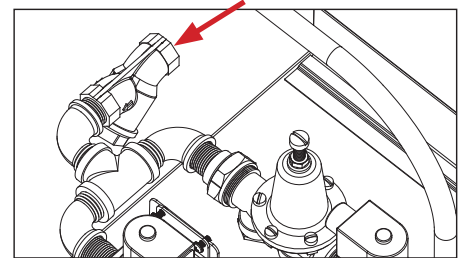
Ensure you have read the "Plumbing" section before proceeding. Install the water supply line (3/4" pipe size minimum) to the dishmachine line strainer using copper pipe. A water shut-off valve should be installed in the water line between the main supply and the machine for service. The water supply line is to be capable of 20 ± 5 PSI "flow" pressure at the recommended temperature indicated on the data plate.

NOTICE Units equipped with electric final rinse boosters should have the power switch for the booster inspected to ensure it is in the ON position. The booster will not work unless this is on.

Final Rinse Booster Power Switch



3/4" Water Supply Connection

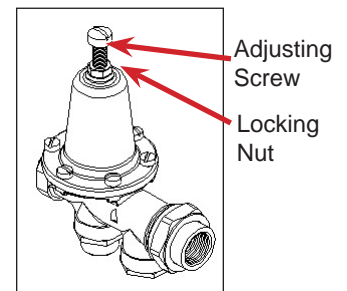


PRESSURE REGULATOR

In areas where the water pressure fluctuates or is greater than the recommended pressure, it a water pressure regulator should be installed. The models covered in this manual come with water pressure regulators as standard equipment. Please notify the manufacturer immediately if not present on your machine.

If the water level is too low or too high, check the incoming water pressure. It should be 20 ± 5 PSI. Too high of pressure results in too much water; too low of pressure results in too little water. To adjust the regulator, loosen the nut at the top. This will allow you to screw or unscrew the adjustment. With a screwdriver or wrench, turn the adjuster clockwise to increase pressure or counter-clockwise to decrease it.

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.



Water Pressure Regulator

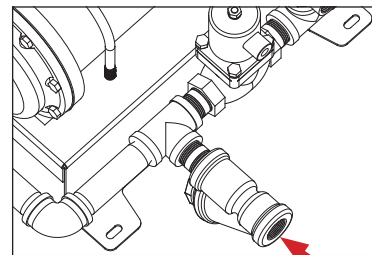
SHOCK ABSORBER

A shock absorber (not supplied) should be installed in the incoming water line. This prevents line hammer (hydraulic shock), induced by the solenoid valve as it operates, from causing damage to the equipment.

STEAM LINE CONNECTIONS (JFT-S ONLY)



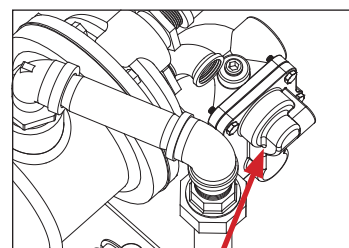
The JFT-S is designed to use low-pressure steam as a source of heat for the water. The machine comes with lines by which the source steam is connected. The inlet steam is connected to the machine via a 1" FNPT Y-Strainer located underneath the Electrical Section. The 1" steam supply line is to be capable of 20 ± 5 PSI. Connect steam lines to the machine as all applicable codes provide. See machine data plate for steam flow pressure.



Steam Line Connection Y-strainer

STEAM TRAP CONNECTIONS (JFT-S ONLY)

There are steam traps on the discharge side of all steam-heating devices. A typical unit will have traps on the following: wash section heating coil outlet, power rinse section heating coil outlet, rinse booster heater outlet, and on the optional blower dryer section heating coil outlet. All steam traps can be seen by removing all of the above-mentioned sections' lower dress panels. The steam traps are 3/4" FNPT and should be plumbed together to provide condensate return to the building's boiler system.



Steam Trap

PLUMBING CHECK

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

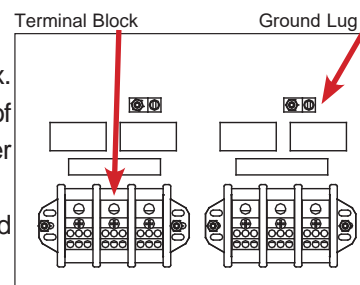
ELECTRICAL POWER CONNECTION



Disconnect electrical power at the breaker or disconnect switch and tag-out in accordance with procedures and codes.

Electrical and grounding connections must comply with the applicable portions of the National Electrical Code ANSI/NFPA 70 (latest edition) and/or other applicable electrical codes. Refer to the data plate for machine operating requirements, machine voltage, total amperage load, and serial number.

To install the incoming power lines, open the control box. Install conduit into the pre-punched holes in the top of the control box. Route power wires and connect to power block and grounding lug. Tighten the connections. "DE-OX" or a similar anti-oxidation agent should be used on all power connections.



Control Box Electrical Connection

NOTICE Individual sections require separate incoming power supplies and services.

Refer to the machine data plate for information related to service circuit sizing. Ensure that services are labeled correctly. Ensure that service is sized correctly according to applicable local, state, and national codes. Always refer to the machine data plate to get the total amperage load for each section.



VOLTAGE CHECK

Ensure that the power switch is in the OFF position and apply power to the dishmachine. Check the incoming power at the terminal block and ensure it corresponds to the voltage listed on the data plate. If not, contact a qualified service agency to examine the problem. Do not run the dishmachine if the voltage is too high or too low. Shut off the service breaker(s) and mark as being for the dishmachine. Advise all proper personnel of any problems and of the location of the service breaker. Close and lock the control box cover until authorized technicians can look at the problem and determine an appropriate solution.

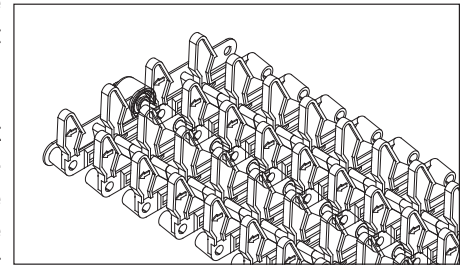
The protective measures must be executed according to the conditions of the local power utilities. All electrical cable connections are to be provided with marked cables screwed in the electrical switch cabinet, according to the wiring diagram and to be connected to the respective terminals and contactors.

Please check the electrical tension.

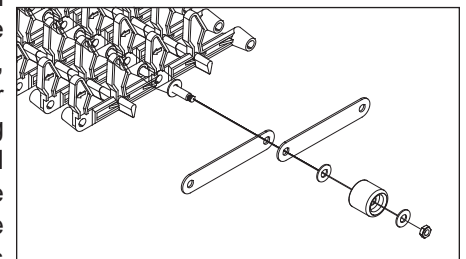
- Check all motors for sense of direction.
- Retighten all terminal fixing screws before the setting in operation.

CONVEYOR BELT INSTALLATION

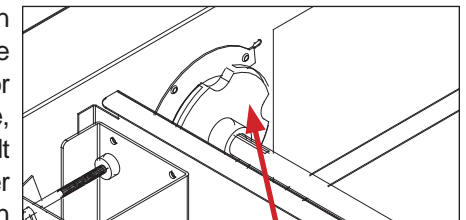
The conveyor belt is provided in sections of approximately 12 feet. One end of each section will have the belt rod inserted and the opposing end will have the belt fingers hanging down. To install the belt, stand at the load end section of the dishmachine. Remove the end-cap from one of the rods. Take the belt rod end of one 12-foot section and place on the top guide rails at the load end. Ensure that the fingers are pointing upward. Push the section into the machine until the loose finger end is approximately one foot from the entrance of the machine. The next 12-foot section of the conveyor belt can then be placed at the load end. Temporarily remove the belt rod and interlace the fingers of the two belt sections to conform with the arrangement of all belt fingers. Please refer to the diagram to see the order in which the provided washers, wheels, locknuts, and plate connectors are arranged for proper operation. Continue this process of pulling sections through and connecting sections until the belt is completely installed. NOTE: Take care that the belt wheels are guided correctly at the unload section and fall within the depressions on the drive wheels (please refer to the "Unload Section") pages. The wheels must be placed on top of the lower belt rails before continuing the process. When the lead end of the conveyor belt returns back to the load end of the machine, ensure that it will overlap the last section of the belt added. Remove as many rod sections of either end necessary to make the connection between both ends.



Conveyor Belt



Conveyor Belt Hardware



Unload End Assembly - Drive Wheel



WARNING! Pay attention to the cross-struts of the machine. Be careful to not place fingers through the belt! Your hand could be injured.

The dishmachine has two conveyor speeds. The speed can be adjusted during operation from low to high or vice-versa by adjusting the conveyor speed switch located on the electrical cabinet.

BELT TENSION

It must be possible to lift up the belt in the section of the free feeding or discharge zone by approximately 2" to 4". The tension station can be adjusted by loosening the three bolts on each of the two slotted adjusting plates. Pull each plate back until all wheels along the plate's perimeter are firmly touching. Tighten the bolts. Visually inspect the belt for parallelism and ensure the plates are evenly tightened by measuring their distance from the run-off sheet or the end plate. Check tension by pulling the belt off of the top rails by hand. There should be no greater than a 4" separation. If there is, loosen the slotted adjusting plates, remove one rod section of the belt, and repeat the tensioning process.

DRIVE MOTOR CHAIN

Install chain around large gear. Lift gear motor from bottom to apply tension to drive springs. Install chain over small gear and release gear motor. Drive springs will automatically tighten chain to its proper tension.

VENTILATION

The dishmachine should be located with provisions for venting into an adequate exhaust hood or ventilation system. This is essential to permit efficient removal of the condensation exhaust. Ensure that the exhaust system is acceptable in accordance with all applicable codes and standards.

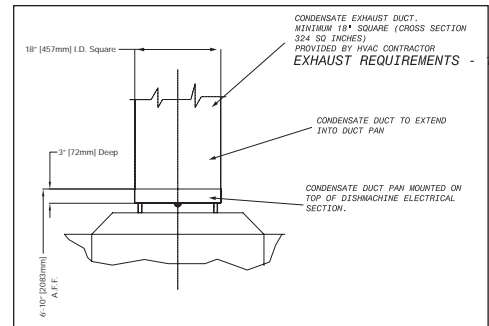


Damage caused by steam or moisture due to improper ventilation is NOT covered under the warranty.

The units covered in this manual have the following exhaust requirements:

FPM (INDIRECT) 1200

The exhaust system must be sized to handle this volume for the dishmachine to operate as it was designed.

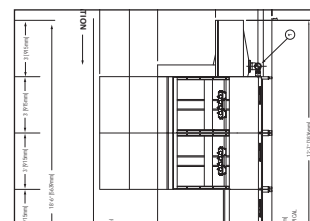


ELECTRIC HEAT

The thermostats are set at the factory. They should not be adjusted except by an authorized service agent.

DETERGENT CONNECTION

The detergent connection point is at the rear of the wash section on the machine. Chemical feeder equipment must not be mounted inside the main control box. Contact your chemical supplier for more information regarding chemical feeders.



Detergent Connection

DELIMING In order to maintain the dishmachine at its optimum performance level, lime and corrosion deposits must be removed on a frequent basis. A deliming solution should be available from your chemical supplier. Read and follow all instructions on the label of the deliming solution.

To prepare for the deliming operation:

1. Fill the dishmachine.
2. Add the correct amount of deliming solution as recommended by the chemical supplier.

NOTICE *The water capacity of the various tanks of the dishmachine can be verified on the specification pages of this manual.*

To delime the dishmachine:

1. Turn the machine on.
2. Disconnect or turn off all chemical feeder pumps.
3. Close all doors.
4. Run the machine for the period of time recommended by the chemical supplier.
5. Turn the unit off and open the doors.
6. Wait five minutes, then inspect the inside of the machine. If the machine is not delimed, run another deliming cycle.
7. When clean, drain and re-fill the machine.
8. Run in MANUAL for 10 minutes to remove residual deliming solution.
9. Drain and re-fill the machine.

**DELIMING
ELECTRIC
BOOSTER** In order to maintain the electric booster heater at its optimum performance level, lime and corrosion deposits must be removed on a frequent basis. To delime, please refer to the instruction manual that came with your particular electric booster heater. A deliming solution should be available from your chemical supplier. Read and follow all instructions on the label of the deliming solution.

**DETERGENT
CONTROL**

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

1. Hard water greatly affects the performance of the dishmachine, causing the amount of detergent required for washing to increase. If the machine is installed in an area with hard water (greater than 3 GPG), the manufacturer recommends the 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 occurrence.
3. Treated water may not be suitable for use in other areas of operation and it might be necessary to install a water treatment unit for the water going to the dishmachine only. Discuss this option with a qualified water treatment specialist.
4. Dishmachine 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. These dishmachines require that chemicals be provided for proper operation and sanitization and require the installation of third-party chemical feeders to introduce these chemicals to the machine. Contact a chemical supplier with any questions.
6. Water temperature is an important factor in ensuring that the dishmachine 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.
7. Instruct dishmachine 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.

PREPARATION Before operating the unit, verify the following:

1. Ensure all tools, cleaning rags, and all foreign parts are removed from the operation areas of the machine.
 2. Ensure wash arms, rinse arms, pump suction strainers, pan strainers, and curtains are all installed correctly.
 3. Close all doors on dishmachine.
 4. Close the drain valve(s).
 5. Open the main stop valves for water.
 6. Pull out all Emergency Stop Switches. Switch on the main switch at the control panel.
-

POWER UP To energize the unit, turn on the power at the service breakers. The voltage should have been previously verified as being correct. If not, the voltage will have to be verified.

For electrical booster operation, ensure that the electric booster heater's power switch is in the "ON" position. Can be seen when electrical section's lower dress panel is removed. Check that the power light is illuminated.

For steam booster heater operation, ensure switch below front control door is in the "ON" position. The light beside of the switch should be illuminated to indicate "ON" and the light beside of the steam guage will turn on and off depending on whether steam is cycling to the booster.

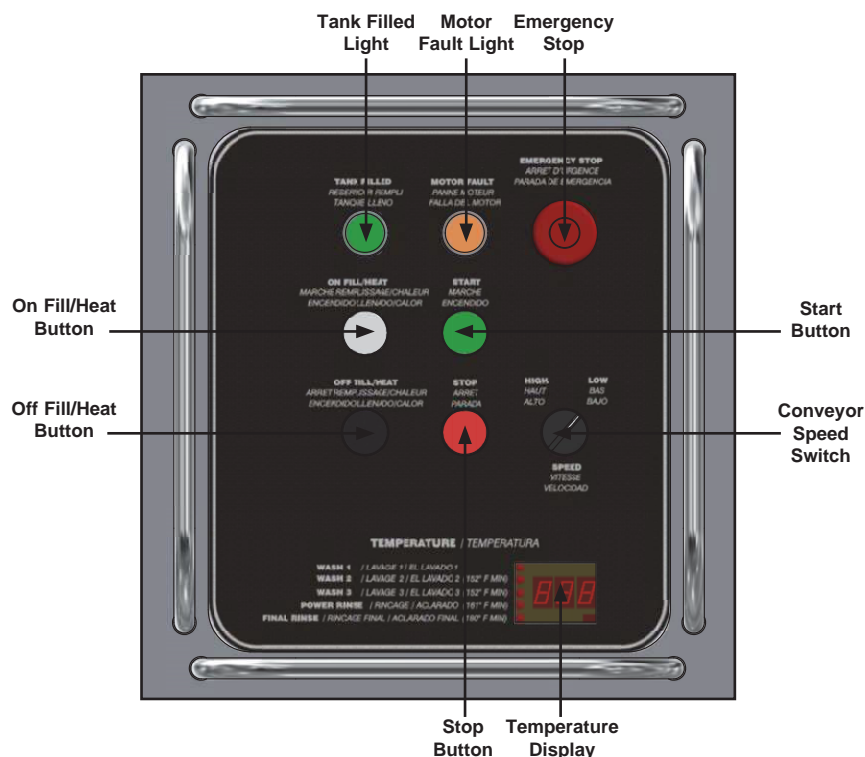
WARE PREPARATION Proper preparation of ware is essential for the smooth, efficient operation of this dishmachine.

Any ware placed in the unit should have all solid food waste and scraps removed. Ware should also be sprayed-down before entering the dishmachine.

Place cups and glasses upside-down in racks so they don't hold water during the cycle. Pre-soak flatware in warm water to help remove food.

FILLING THE WASH TUB

Close all doors. Press the white “On Fill/Heat” button. As soon as the green indication light “Tank Filled” lights up, the filling and heating cycle is complete and the machine is ready for operation. Press the green “Start” button at the switch cabinet door or press the green “Start” button at the feeding or discharge ends. Now the conveyor belt can be loaded with dishes in the feeding section.



BREAK SWITCHING

Two conveyor speeds can be selected. During operation, the conveyor speed can be changed from low to high or vice-versa. “Low” moves ware slower through the machine, which is suitable for heavily-soiled dishware. “High” moves ware quicker through the machine, which is suitable for lightly-soiled dishware. The conveyor speed must be selected according to the soiling of the dishware, the belt load, and the washing results.

DAILY MACHINE PREPARATION

By means of the red “Stop” button (located on the electrical control box and at each end of the machine), the operation cycle is temporarily interrupted (i.e. the wash pumps and conveyor are switched off); however, the tank heaters continue running. Press the black push button “Off Fill/Heat” at the switch cabinet door. The green indication light “Tank Filled” continues lighting, as the machine is still ready for operation. The operation cycle is only temporarily interrupted and remains ready for operation. The machine is in stand-by operation and can start operation at any time. After an interruption of operation, you can continue the wash cycle by pressing the white “On Fill/Heat” button at the switch cabinet door or the feeding or discharge end.

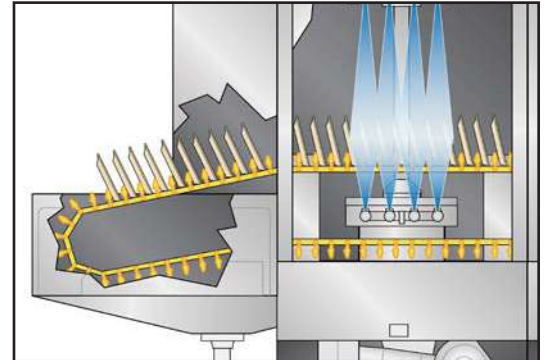
Refer to the "Preparation" section and follow the instructions there. Afterward, check that all of the chemical levels are correct for the expected workload.

WASHING WARE



WARNING! Ware coming out of the dishmachine will be hot!

To wash, simply place ware on the track at the load end of the machine. Place glasses upside-down and plates with the soiled side facing the unload end. Place silverware and utensils in appropriate baskets/racks for transport through the unit.



Cut-a-way detail showing direction of plates.

OPERATIONAL INSPECTION



WARNING! After draining the machine, tank heater elements will still be hot. Be careful when cleaning!

Based upon usage, the strainers can become clogged with soil and debris as the workday progresses. Operators should regularly inspect the strainers to ensure they have not become clogged. If the strainers are clogged, it will reduce the washing capability of the machine. Instruct operators to clean out the strainers at regular intervals or as required by workload.

SHUTDOWN & CLEANING



CAUTION! Do not spray the machine, electrical cabinets, or other electrical parts with a water hose or high-pressure hose.

At the end of the workday, push the black “Off Fill/Heat” button. Open the doors. Open the drain valves and allow the machine to drain completely. Remove all pan strainers, run-off sheets, and scrap basket strainer. Remove the wash, prewash arms, and rinse arms and verify that the nozzles and arms are free from obstructions. Flush the arms with fresh water. Remove the pump suction strainers and clean out as required. Remove the rinse tray assembly and clean. Remove the curtains and scrub with a mild detergent and warm water. When replacing the curtains, please note proper locations for re-installation. Wipe-out the inside of the unit and then reassemble with the components previously removed.



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

MAINTENANCE OVERVIEW

The concept of preventative maintenance is to perform small checks and procedures that will limit the catastrophic failures your dishmachine could experience. A catastrophic failure is anything that will keep you from using your machine for an extended period of time. Dishmachines, regardless of size, are very simple machines and do not require very much in the way of preventative maintenance. Listed here are some maintenance items that will prolong the life of your machine.

PRE-SCRAPPING

It cannot be stressed enough that in order for the machine to work at peak efficiency, the introduction of food and soil must be limited. Though the JFT is a large machine, it is not a garbage disposal, and it contains several parts that have very small openings. These openings can become clogged very quickly if large food particles are introduced to the machine. Train operating personnel in proper scrapping techniques. This includes scraping excess food from plates and bowls and removing straws from glasses.

Some ware might require soaking before being placed in the machine, especially silverware and casserole dishes. Soaking helps loosen stuck-on food particles and aids the dishmachine in removing such soil. Sink soak options are available and can be discussed with your authorized dealer.

STRAINERS

Dishmachines should be cleaned at least daily and one of the most important aspects of this task is the removal, cleaning, and proper replacement of the various strainers located throughout the machine. Strainers are added to try and prevent any debris from getting inside the pumps or in the arms of the dishmachine. Both the pumps and the arms have very close tolerances manufactured into their design in order to deliver optimum performance.

There are generally three problems associated with strainers:

1. Not removed for cleaning. Many operators are simply unaware that the strainers can and should be removed for cleaning. How often this should be done is based on usage and is generally something that can be determined with experience. It is important, however, to not only tell the operators about the strainers, but to show them where they are at and remind them that they should be cleaned regularly.
2. Damaged strainers. Many times the first impulse for cleaning strainers is to take them and beat them on the side of a garbage can. Unfortunately, the strainers for the JFT are made from stainless steel and delivering such blows to them will eventually warp them. A warped strainer does not sit flush and creates gaps that debris and soil can get through. The proper method of cleaning a strainer is to wipe it out and then rinse it under a water faucet to get any debris out. Remember that it is much easier and inexpensive to clean out a strainer than it is to replace a pump!

STRAINERS

3. Missing strainers. It is easy to forget to put the strainers back after removing them, so it is important to train operating personnel on the importance of putting everything back when they are finished. If the strainer was not important, it would never have been incorporated into the machine design. Strainers are implemented to prevent failure of the more expensive components of the dishmachine (e.g. pumps) and should always be replaced before operating the machine. The manufacturer strongly recommends that you do not operate the machine without the strainers as doing so not only allows damage to occur to the machine, but could also void your warranty. Train personnel to report whenever a strainer is missing or damaged so that replacements can be ordered immediately.

DAILY MAINTENANCE

1. Drain and clean the dishmachine per the instructions in this manual. During cleaning, any items that appear to be broken or failed should be reported to authorized service personnel.

WEEKLY MAINTENANCE

1. Delime the machine. NOTE: The deliming agent that you use might require more or less frequency in application. Because water conditions vary from installation to installation, it might be necessary to delime the machine more or less often. Follow the chemical supplier's instructions regarding frequency of application and adjust the maintenance schedule as required.

2. Verify there are no leaks. This includes inspecting the integrity of all gaskets, including the ones inside the machine, as well as ensuring that none of the silicone used between the individual sections has frayed or been removed. Any torn gaskets should be immediately replaced. Re-apply silicone as required. The machine should be completely turned off and drained for this procedure so that gaskets in the lower parts of the tanks can be examined.

3. Verify the operation of the Emergency Stop Switches. Simply start the unit with all personnel standing clear and push an Emergency Stop Switch to verify that it stops the machine. Do this for each switch. NOTE: The Emergency Stop Switch stops the conveyor belt and the pumps, but the heaters will remain on. If the Emergency Stop Switch fails to halt the machine, then the wiring to the switch should be verified. If, according to the schematic, the switch is wired correctly, then it is most likely faulty and should be replaced. Immediately inform operating personnel of the defect and instruct them as to where other Emergency Stop Switches are as well as the main stop switch on the front control panel.



WARNING! Hot water can drip as doors are opened.

4. Verify the operation of the door switches. Start the unit with all personnel standing clear and open each door one at a time to verify that the unit shuts off. Do this for all prewash, wash, and power rinse doors. You should not have to lift the door more than six inches to achieve the desired result. NOTE: The door switches stop the conveyor belt and the pumps, but the heaters remain on.

**WEEKLY
MAINTENANCE**

5. Verify that the prewash, wash, and power rinse doors open all of the way.
6. Verify the conveyor belt tension per the instructions given in the "Belt Tension" section of this manual.
7. Verify the operation of the temperature display. Operate the unit normally and ensure that the display cycles as it is supposed to, through each required parameter. If it does not cycle or it appears that it's not reading the temperature, it must be replaced.
8. Verify the operation of all green start switches and red stop switches. With the unit energized, depress the start switch as the control box and allow the unit to start. After approximately 60 seconds, press the stop switch. The unit should stop. Verify that the lights in the switches are working as well. Any problems should be investigated immediately to see if components need to be replaced. Perform this check on the switches located at the load and unload ends as well.
9. Verify drive motor stop switch and slide stop switches.

**MONTHLY
MAINTENANCE**

1. Inspect the gear drive gears for missing or damaged teeth. If there has been any sort of damage, the gear should be replaced immediately.
2. Inspect seals used in final rinse arms to ensure they are in good condition. Any that have nicks, tears, or are missing should be replaced.
3. Inspect the conveyor drive belt for damaged or missing pegs. Any that are suspect should be replaced. Loss of pegs decreases the number of dishes per hour that the machine will wash. Check rod end-caps and ensure that none are missing.
4. Visual inspection of electrical boxes. With power to the unit shut-off at the service breaker, open the main control box and the control boxes for each section and make a visual inspection of the components. Verify that there are no loose wires, there is no carbon scoring, and that all components are secure. Replace the covers and re-energize the unit if no problems are found. Correct any deficiencies before returning the unit to an operating status.
5. Verify that the conveyor operates in both high and low speed. Start the machine as normal, ensuring that all personnel are clear. Put the machine in low speed using the Speed Selector Switch located on the front panel. Allow the unit to operate normally for five minutes ensuring that the speed appears to remain constant. Without turning off the unit, place the switch in the high speed position and allow to run for another five minutes, checking for a constant speed. Once completed, place the selector switch in the desired position and turn the unit off.
6. Inspect the vacuum breaker to ensure that the valve disc is not damaged, limed up, or misaligned. With power and water secured to the dishmachine, verify that the small disc inside the vacuum breaker moves freely and seats well.
7. Inspect and clean the steam supply y-strainer on steam models.

QUARTERLY MAINTENANCE



1. Check the amperage draw for each connection point; this should be done only by qualified electricians since this involves working with energized components. Compare the amperage draw for each section to what is listed on the data plate and/or to maintenance records. Any significant change in amperage draw could be indicative of a major component (motor or heater) failing and should be investigated further to determine the exact cause of the change.

2. Verify that the machine is maintaining proper temperatures as indicated on the machine data plate. Start the machine and allow it to run in low speed with the exhaust fan and blower turned on. Do not load any ware onto the machine. Let run for approximately 15 minutes before starting to observe temperatures. Compare the temperatures to what is listed on the machine data plate. If there is a discrepancy, investigate and correct.

3. Verify that the dishmachine is still level. A level machine is required for peak efficiency as water levels can be affected due to any sort of inclination. This should be done with the machine off, cooled down, and drained.

4. Delime the electric booster heater. In order to maintain the electric booster heater at its optimum performance level, lime and corrosion deposits must be removed on a frequent basis. To delime, please refer to the instruction manual that came with your particular electric booster heater. A deliming solution should be available from your chemical supplier. Read and follow all instructions on the label of the deliming solution.

ANNUAL MAINTENANCE

1. The manufacturer recommends that at least once a year a general, overall inspection of the dishmachine take place. With the unit drained and power secured at the service breaker, service personnel should look for any items needing addressed that might not be specifically pointed out in the preventative maintenance procedures. Examples of things to look for include:

- a. Loose screws.
- b. Frayed wires.
- c. Broken lights or switches.
- d. Torn curtains.

Experience will dictate to service personnel specific items that should be examined and the manufacturer encourages scheduling inspections as often as needed to ensure any problems do not become catastrophic.

**ITEMS THAT
SHOULD NOT
REQUIRE
MAINTENANCE**

1. Thermostats - the thermostats are factory set so that your machine will operate in accordance with accepted regulatory parameters. Upon initial installation, the manufacturer's representative might adjust the the thermostats if required, but otherwise they should never need to be corrected again. If you find yourself in a situation where you have to adjust the thermostat to maintain the same temperatures, then you most likely have a problem somewhere else. Scale build-up in the tub and on the heaters can affect the operation of the machine as can a variety of other factors. Thermostats, once they fail, cannot be repaired and should be replaced.

2. Gear drive - the drive motor is connected to a gear drive that is oil-filled. The manufacturer does not recommend draining the gear drive for any reason. If the gear drive fails, then it should be replaced, not repaired. If for any reason the oil is drained from the gear drive, the component should be replaced.

ITEMS OF NOTE

1. The final rinse heater is a third-party, self-contained unit and should come with its own instruction manual. Refer to that manual for any information regarding troubleshooting or maintenance.

2. The Motor Fault Light on the main control panel is a catch-all warning for all motors associated with this machine. If the Motor Fault Light illuminates, the machine must be shut down completely and service personnel contacted. A motor fault can be for any number of reasons and could apply to any one or more of the motors on the machine. Do not operate the dishmachine if the Motor Fault Light is illuminated.



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

PROBLEM	POSSIBLE CAUSE	REMEDY
Nothing on dishmachine operates. The power switch is ON and the power indicator light is OFF.	<ol style="list-style-type: none"> 1. Machine is not wired correctly to incoming power source. 2. Machine circuit breakers are tripped. 3. Service breakers are tripped. 	<ol style="list-style-type: none"> 1. Have an electrician verify wiring. 2. Reset the circuit breakers. If they trip again, contact an electrician to verify the machine amp draw. 3. Reset the service breakers. If they trip again, contact an electrician to verify the machine amp draw.
Machine will not fill. The power switch is ON and the power indicator light is ON.	<ol style="list-style-type: none"> 1. No water supply to machine. 2. Incoming water solenoid valve damaged/faulty. 3. Water level indicators are giving a false reading. 	<ol style="list-style-type: none"> 1. Verify that water lines have been connected to the machine. 2. Verify that the valve is operating. If not, replace. 3. See if the green "Tank Filled" light is on. Verify the wiring of the water level indicators and if correct, replace component.
Low wash tank/ power rinse tank temperature.	<ol style="list-style-type: none"> 1. Electric booster heater not energized. 2. Low incoming water temperature. 3. Heater not energizing. 4. Low incoming voltage. 5. Heater has scale and lime build-up. 	<ol style="list-style-type: none"> 1. Verify electric booster heater is energized. 2. Verify that the incoming water temperature matches what is indicated on the machine data plate. 3. Verify that the wash tank heater is operating. If not, replace. 4. Have an electrician verify that the power coming to the machine is the same as indicated on the data plate. 5. Try deliming the machine. If this does not correct the problem, the heater(s) should be replaced.
Inadequate rinse.	<ol style="list-style-type: none"> 1. Low incoming water pressure. 2. Incoming water solenoid is clogged. 3. Final rinse pump not operating. 4. Incoming water y-strainer is clogged. 5. Clogged rinse arm nozzles. 	<ol style="list-style-type: none"> 1. Verify that incoming water pressure to rinse tank during fill is 20 ± 5 PSI. 2. Verify that debris is not entrapped in valve. If so, remove debris. 3. Replace pressure transducer. 4. Remove debris from y-strainer. 5. Verify that nozzles are not clogged with debris. If so, remove debris.

PROBLEM	POSSIBLE CAUSE	REMEDY
Ware is coming out dirty.	<ol style="list-style-type: none"> 1. Improper pre-scapping procedures. 2. Verify that the chemical concentrations are correct. 3. Wash pumps are clogged with debris. 4. Water level is too low and pumps are cavitating (drawing in air). 5. Strainers are clogged with debris. 6. Prewash, wash, or power rinse nozzles are clogged. 	<ol style="list-style-type: none"> 1. Verify that proper pre-scapping procedures are being followed. 2. See the "Detergent Control" page in this manual. If there appears to be a problem with the chemicals, contact your chemical representative. 3. Remove debris if pump is not permanently damaged. 4. Verify that water levels are correct by observing whether or not the "Tank Filled" light is illuminated. If so and problem continues, visually verify that the water level is correct. 5. Remove and clean strainers. 6. Verify that nozzles are not clogged with debris. If so, remove debris.
An excessive amount of vapor is exiting the machine through the load and/or unload ends.	<ol style="list-style-type: none"> 1. Exhaust fan is turned off as well as the room ventilation. 2. Incorrect placement of curtains within the machine. 3. Water temperatures too hot. 4. Incorrect damper positioning. 	<ol style="list-style-type: none"> 1. Ensure that the exhaust fan is turned on as well as the room ventilation. 2. Correct as necessary. 3. Verify water temperatures and ensure they comply with what is marked on the machine data plate 4. Check correct damper positioning in the electrical section.
Machine continues to fill and does not stop. Green "Tank Filled" light does not come on.	<ol style="list-style-type: none"> 1. No water coming to the machine. 2. Drain valves are open. 3. Water level controls are faulty. 4. Leak in the tank. 5. Drain valve indicates closed but in reality is not. 6. Level control sensors out of adjustment. 	<ol style="list-style-type: none"> 1. Verify that the power is on and that the water supply is also turned on. 2. Verify the position of the valves and shut if necessary. 3. Verify the wiring of the water level controls to the schematic and if correct, replace. 4. Inspect under the machine to verify that there are no holes or cracks. 5. Replace or repair the drain valve. 6. Level control sensors may need the sensitivity adjusted.

PROBLEM	POSSIBLE CAUSE	REMEDY
Water level will not remain constant (tanks appear to be losing water).	<ol style="list-style-type: none"> 1. Drain valve is open and draining the tub. 2. Low water pressure. 3. Machine is not level. 4. Faulty water level control or control probe. 5. Check placement of splash shield run-offs. 6. Check curtain placement. 	<ol style="list-style-type: none"> 1. Verify that all drain valves are shut. 2. Verify that incoming water is flowing to the machine and at the pressure indicated on the data plate. 3. Verify that the machine is level. 4. Replace as required. 5. Adjust if necessary. 6. Adjust if necessary.
Machine is running and suddenly stops. Motor fault light could be on.	<ol style="list-style-type: none"> 1. Power might have been lost to the machine. 2. Conveyor belt bound-up or jammed during operation. 3. Conveyor drive chain is broken or has come off. 4. Conveyor drive motor faulty. 5. Failure of drive motor switch or slide stop switch. 	<ol style="list-style-type: none"> 1. If the control box lights are on, it is safe to assume that there is power. 2. Ensure there are no obvious jams or obstructions preventing the conveyor belt from moving. It might be necessary to remove all ware from the conveyor before proceeding. Try pulling up on the conveyor belt at various locations in the event it became misaligned. Be careful, this could cause the conveyor belt to snap back into place instantly! Another sign of a jammed belt will be the conveyor drive motor will be pulled against the unit and its spring bracket will be compressed. 3. Secure the machine and remove the cover to expose the drive motor, gearing, and chain. If the chain is broken, it might be possible to put it back together; otherwise a new one should be ordered. 4. Chain or drive motor might need to be replaced. 5. Replace switch.

KIT OVERVIEW

These dishmachines are equipped with vacuum breakers to serve as back-flow prevention devices. ASSE requirements specify what type of back-flow prevention is necessary on dishmachines. Vacuum breakers, unlike air-gaps, have certain parts that have specific tolerances and design aspects that must be met in order to function properly.

The manufacturer offers repair kits for replacing some of the wear items associated with vacuum breakers which will allow you to save money, because the kit can be installed without removing the vacuum breaker from the plumbing assembly.

The instructions provided here are for maintenance personnel only. Unauthorized persons should not attempt any of the steps contained in these instructions.

PREPARATION



1. Power must be secured to the unit at the service breaker. Lockout/tagout the service breaker to prevent accidental or unauthorized energizing of the machine.
2. Ensure that incoming water to the machine is secured either by use of a shut-off valve or disconnecting the incoming water line.

TOOLS REQUIRED

1. Small flathead screwdriver.
2. Needle-nose pliers.

TIME REQUIRED

It is estimated that it will take one person twenty minutes to perform this task, not including all of the items indicated in the "Preparation" section.

STEPS

Read these instructions thoroughly before installing this kit. Become familiar with the parts and what actions need to be taken. This will save time in the long run!

1. These instructions only apply to vacuum breakers (1/2" NPT and 3/4" NPT) as pictured below. The repair kits indicated in these instructions will only work on those style of back-flow preventers. If you have a machine with a different style of vacuum breaker, contact your representative about replacement components.

2. Even though the photos in these instructions show a vacuum breaker that has been removed from the plumbing assembly, these maintenance steps could be performed with it installed so long as the requirements in the "Preparation" section have been met.



Vacuum Breaker

- STEPS** 3. Remove the top cap by gripping firmly and turning to the left. The cap should come off after a few turns.



4. Set the cap to the side.

5. Using the needle-nose pliers, gently lift out the plunger and set to the side. Examine the brass seating surface inside the vacuum breaker. The plunger must sit flat on this surface so it must be free of defects, imperfections, etc. If there is debris, remove it. If it is chipped or cracked, then the vacuum breaker must be replaced. Failure to do so might result in the vacuum breaker not working according to its design and could result in damage to the dishmachine.



6. Your repair kit comes with a new plunger. Examine the old one and ensure that the mating surface is not damaged or cut. Also inspect the rubber seal on top of the plunger to ensure it is in good condition and not torn.



- STEPS**
7. If any of these conditions are present, replace the old plunger with the new one from your kit. Verify that the new plunger is also free from defects. If it is not, contact your representative immediately.
 8. The plunger should drop into the vacuum breaker and seat. Ensure it is not flipped upside-down (the orange seal ring should be up toward the top of the vacuum breaker).
 9. Pick up the cap and examine it. With a soft towel, remove any grit, grime, or debris that might be caught in the threads of both the cap retainer or the vacuum breaker body. There is an o-ring that should be present on the cap retainer as well. Regardless of the condition of the plunger, this o-ring should be replaced once the cap is removed. Using a small flathead screwdriver, remove the old o-ring and replace with a new one.
 10. With the new o-ring in place, screw the cap back on the vacuum breaker body. The cap needs to only be hand-tight (snug).



AFTER MAINTENANCE ACTIONS

1. Reconnect the incoming water (if disconnected) and turn on. Then restore power to the unit. Run the unit for at least 10 minutes to ensure there are no leaks. If any problems arise, contact your representative.

SPECIAL PARTS

Vacuum breaker repair kit:

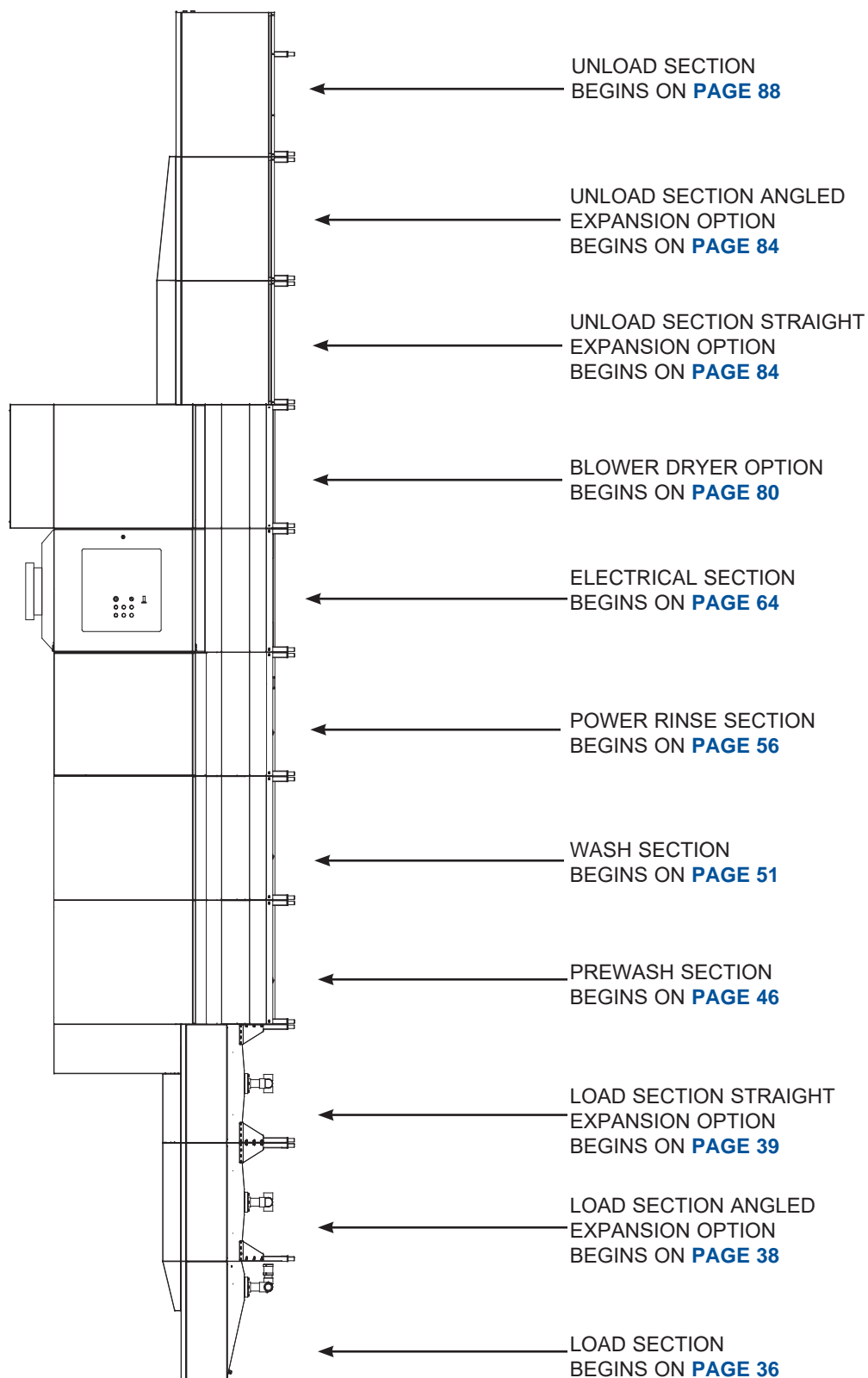
For 1/2" NPT order 06401-003-06-23

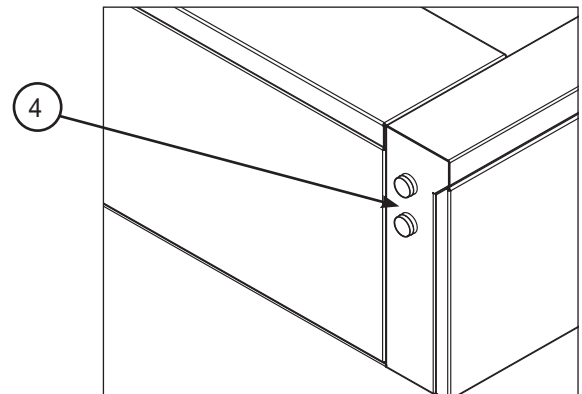
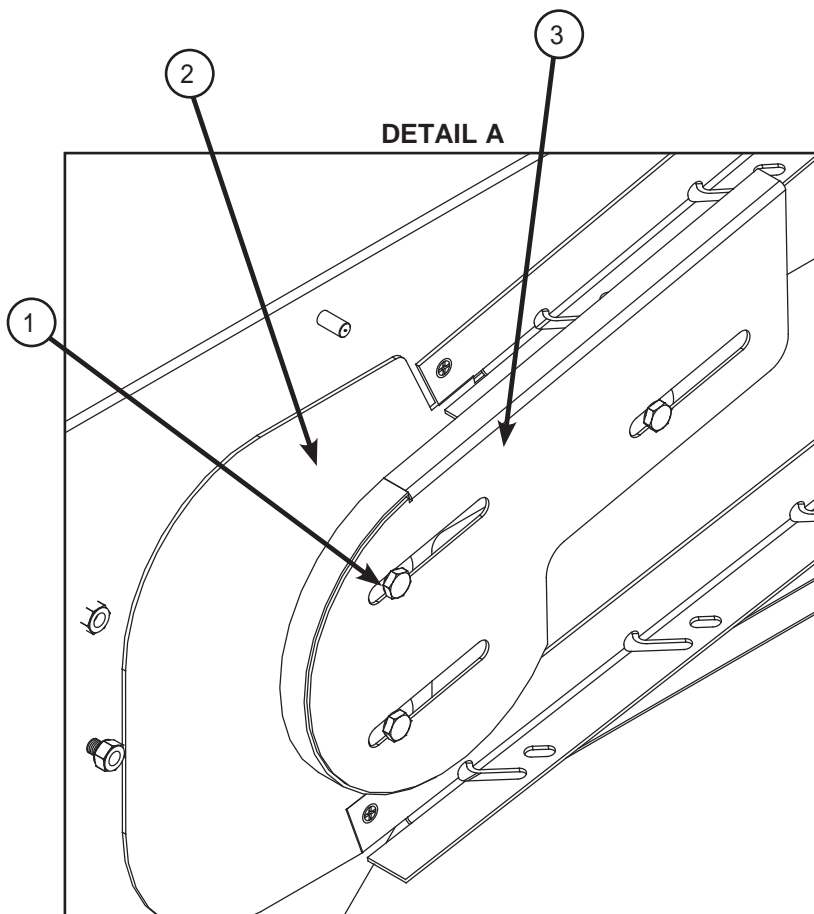
For 3/4" NPT order 06401-003-06-24

Complete Vacuum Breaker Assembly

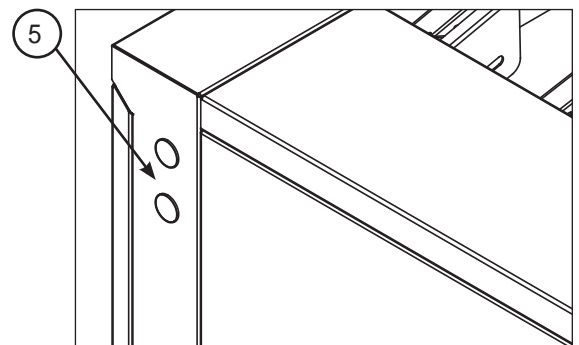
For 1/2" NPT order 04820-003-06-13

For 3/4" NPT order 04820-002-53-77



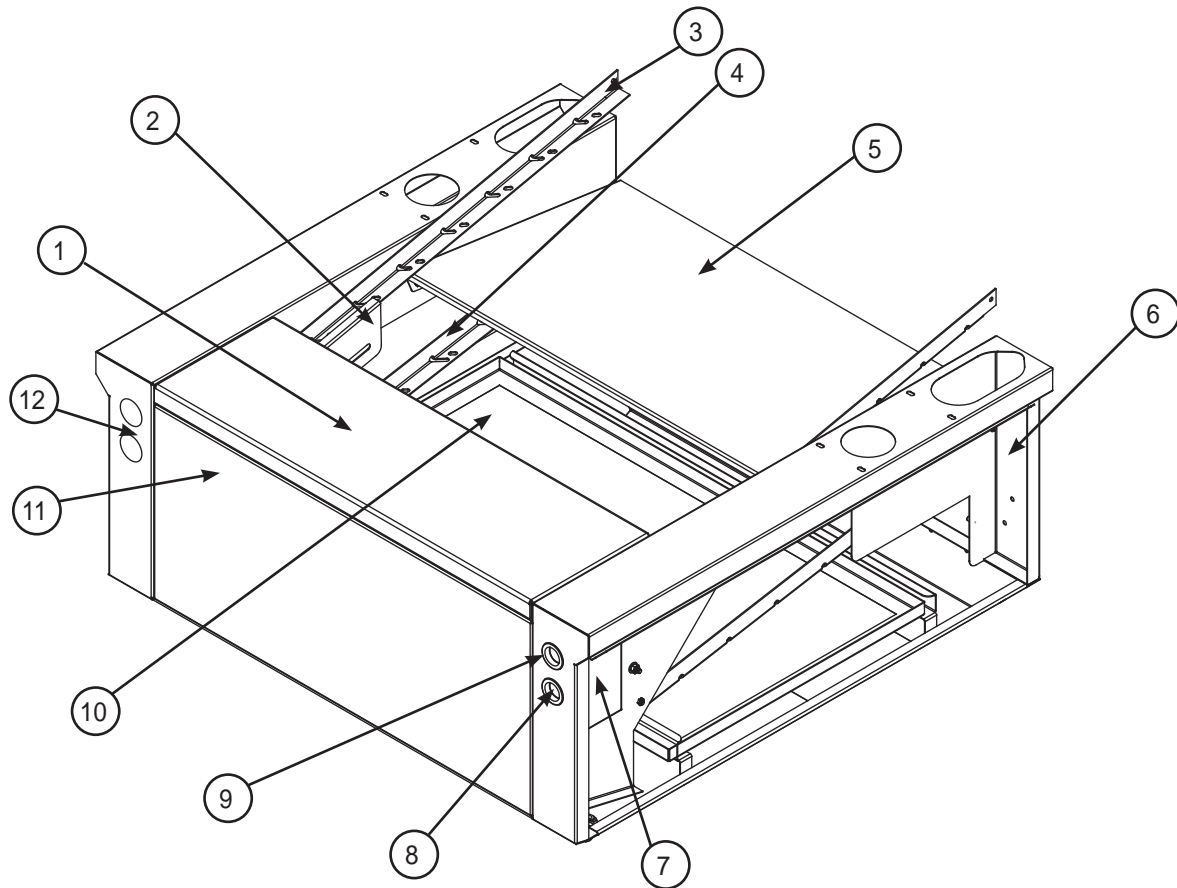


Old Style With Extended Switches



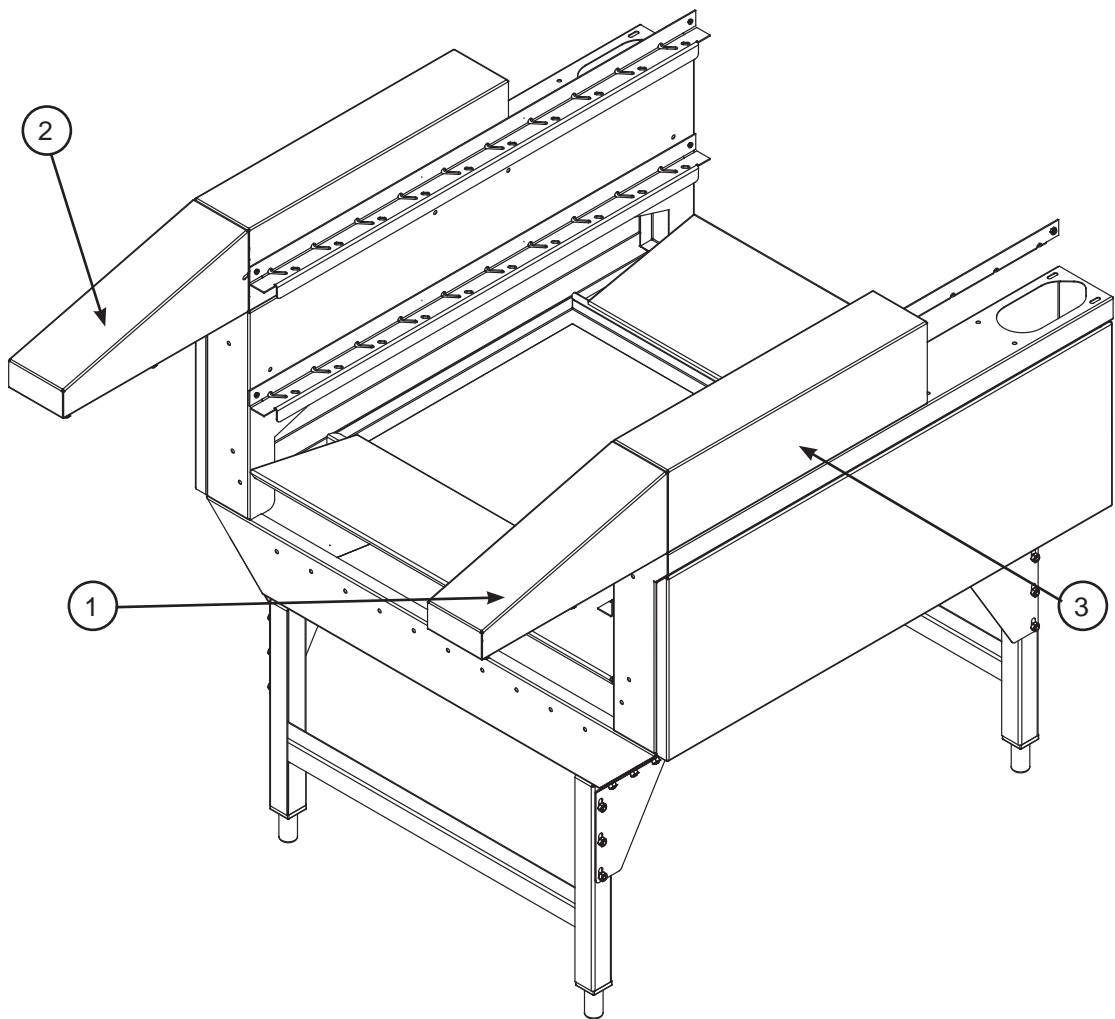
Old Style Heyco Plug

ITEM	QTY	DESCRIPTION	PART NUMBER
1	3 per side	Standoff, Belt Return	05700-002-82-27
2	1	Plate, Rail	05700-002-65-82
3	1	Back, Conveyor Belt Return Front, Conveyor Belt Return (Not Shown)	05700-002-72-57 05700-002-72-58
4	1	Plug, Heyco	05975-011-47-81
5	1	Cover, Switch (Not Shown)	05700-002-97-85



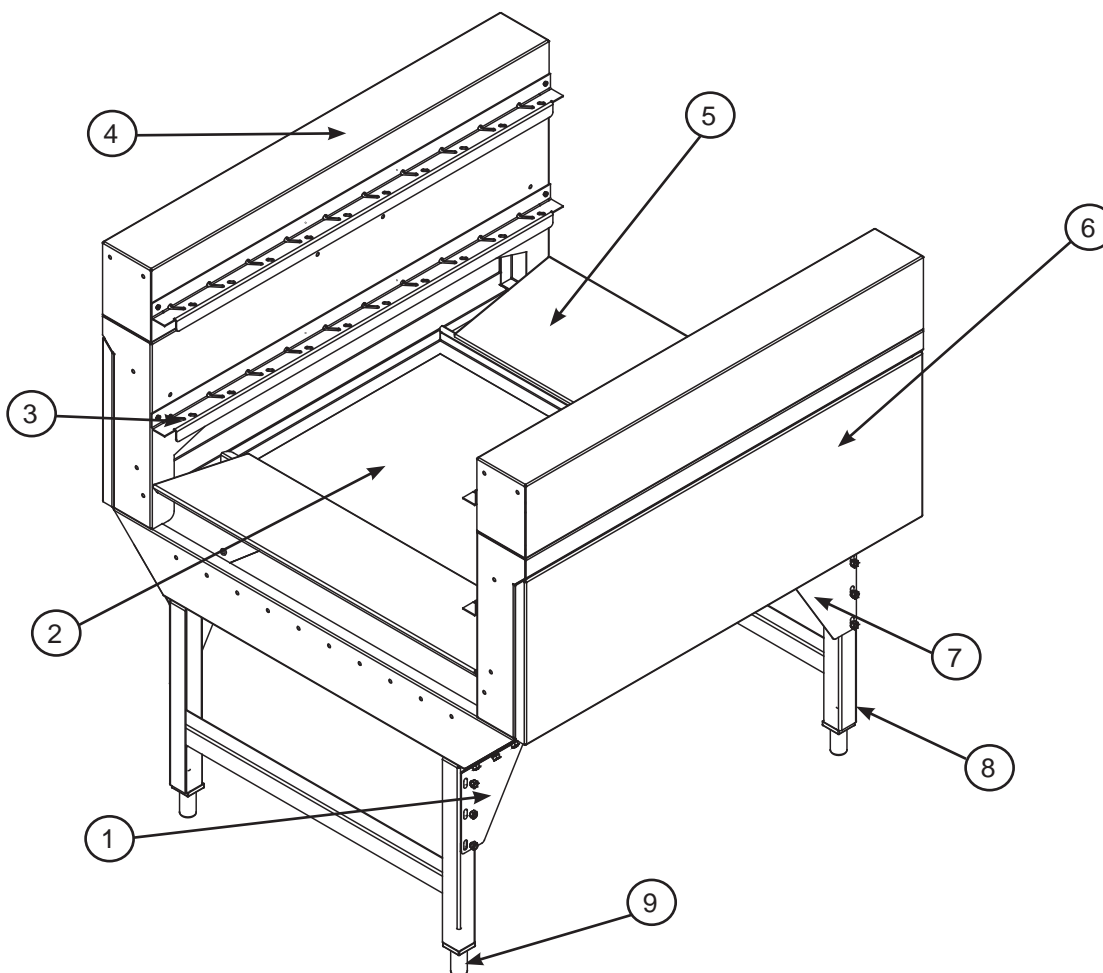
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	End-cap	05700-003-09-08
2	1	Refer to Detail "A" on page 36	
3	2	Upper Rail	05700-002-66-29
4	2	Rack Lower Rail	05700-002-65-87
5	1	Inlet/Outlet Run-off	05700-002-81-99
6	2	Side Cover	05700-003-09-09
7	1	Switch Cover Switch Holding Bracket	05700-003-09-10 05700-003-09-11
8	1	Red Stop Switch Snap Bushing, 1 1/2"	05930-002-80-73 05975-003-10-46
9	1	Green Start Switch Snap Bushing, 1 1/2"	05930-002-80-60 05975-003-10-46
10	1	Strainer	05700-002-94-24
11	1	End Plate	05700-002-68-28
12	1	Domed Plug	05975-003-10-45

ANGLED EXPANSION ASSEMBLY



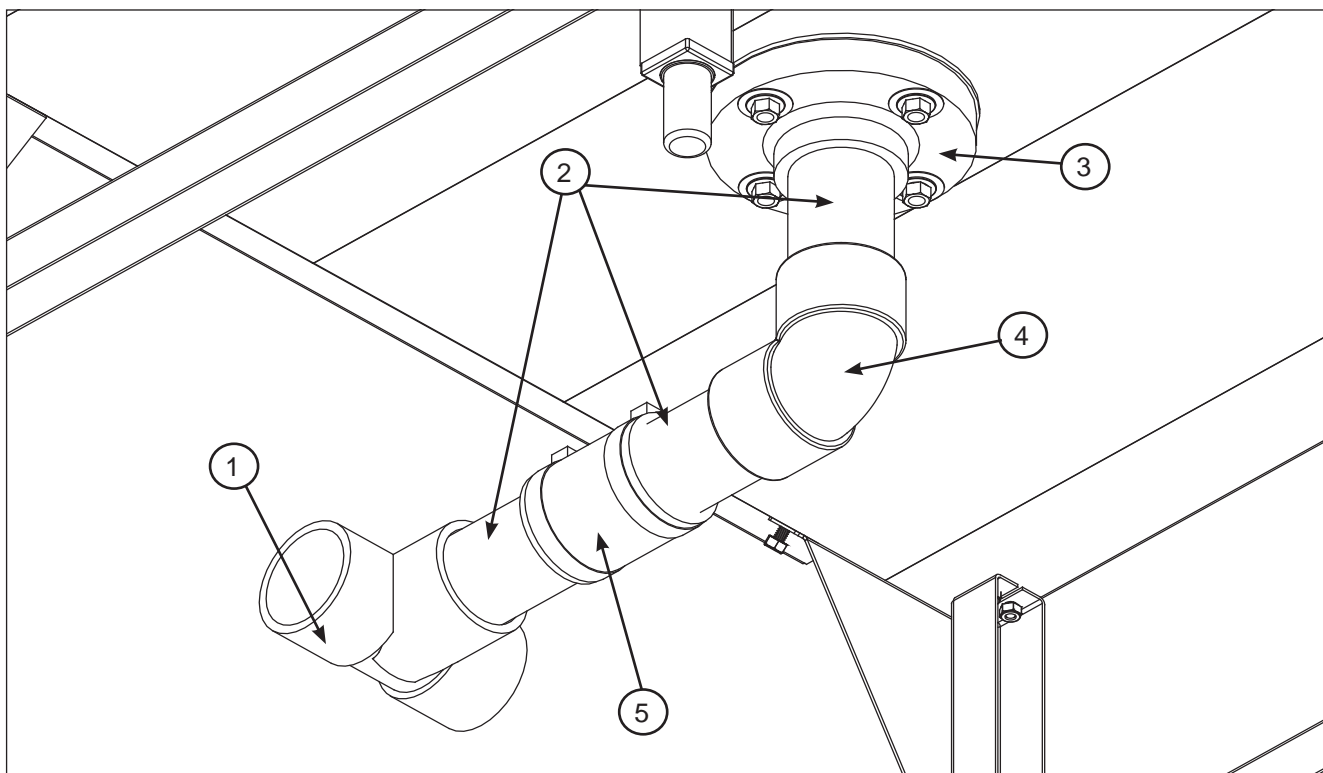
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Angled Top Right, Load Expansion	05700-003-09-19
2	1	Angled Top Left, Load Expansion	05700-003-09-20
3	1	Top, Load Expansion Section	05700-003-09-21

STRAIGHT EXPANSION ASSEMBLY

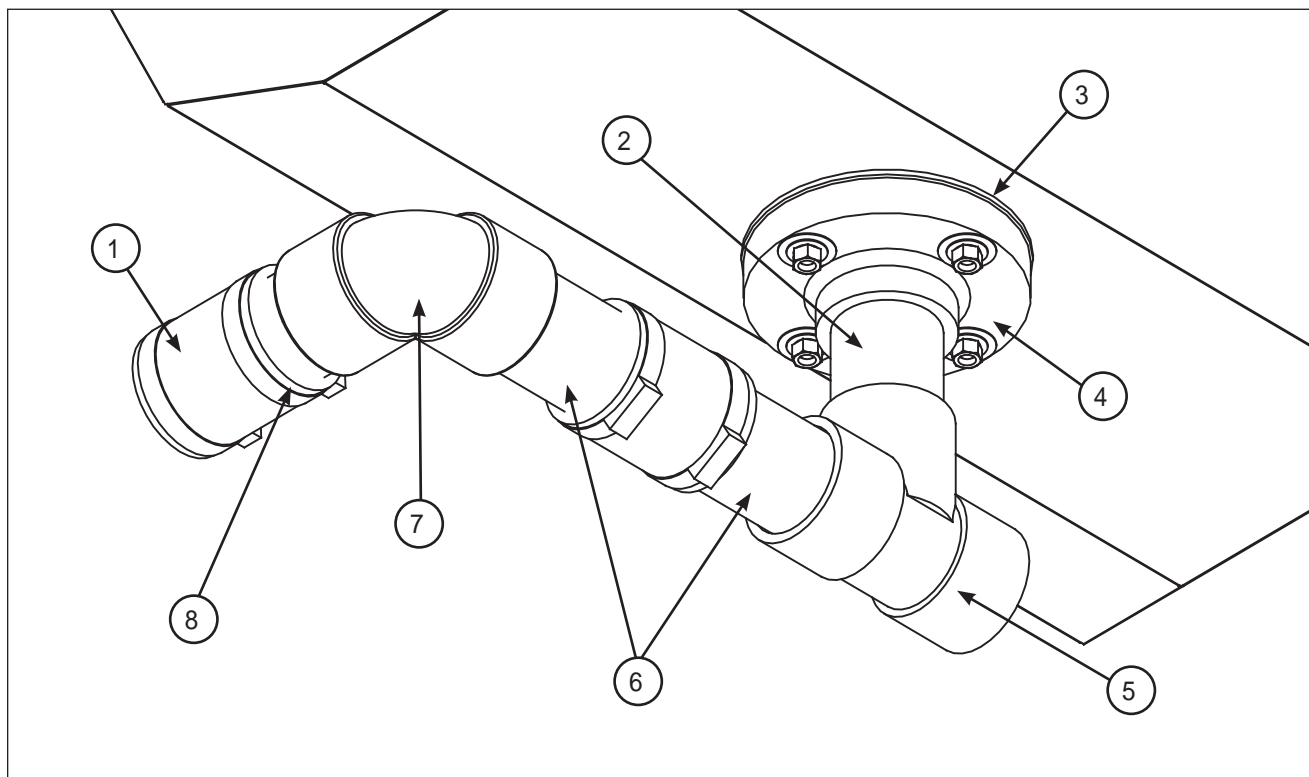


ITEM	QTY	DESCRIPTION	PART NUMBER
1	4	Left Support, Expansion Leg	05700-003-09-27
2	1	Loader Section Strainer	05700-002-94-24
3	2	Rail, Lower	05700-002-85-58
4	4	Rail Guard, Upper	05700-002-85-58
5	1	Run-off Sheet	05700-003-09-17
6	1	Panel, Side Dress	05700-003-09-09
7	4	Right Support, Expansion Leg	05700-003-09-26
8	4	Leg	05700-003-09-28
9	4	Adjustable Foot	05340-108-02-06

EXPANSION SECTION DRAIN PLUMBING

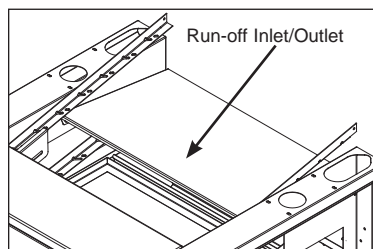


ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	CPVC, 2" Tee	04730-002-66-09
2	3	Tube, CPVC, 2" x 6"	05700-003-05-00
3	1	Flange, 2"	04730-003-04-25
3a	1	Gasket, Drain	05330-003-04-26
4	1	Elbow, 90-degree, CPVC, 2"	04730-002-72-25
5	2 per	No Hub Connector, 2"	04730-002-66-87

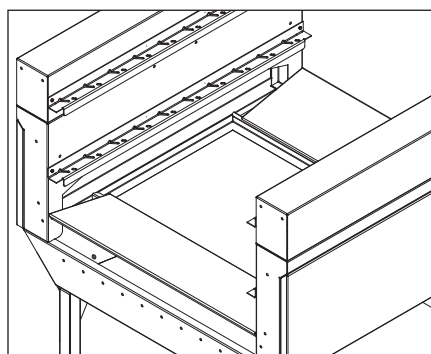
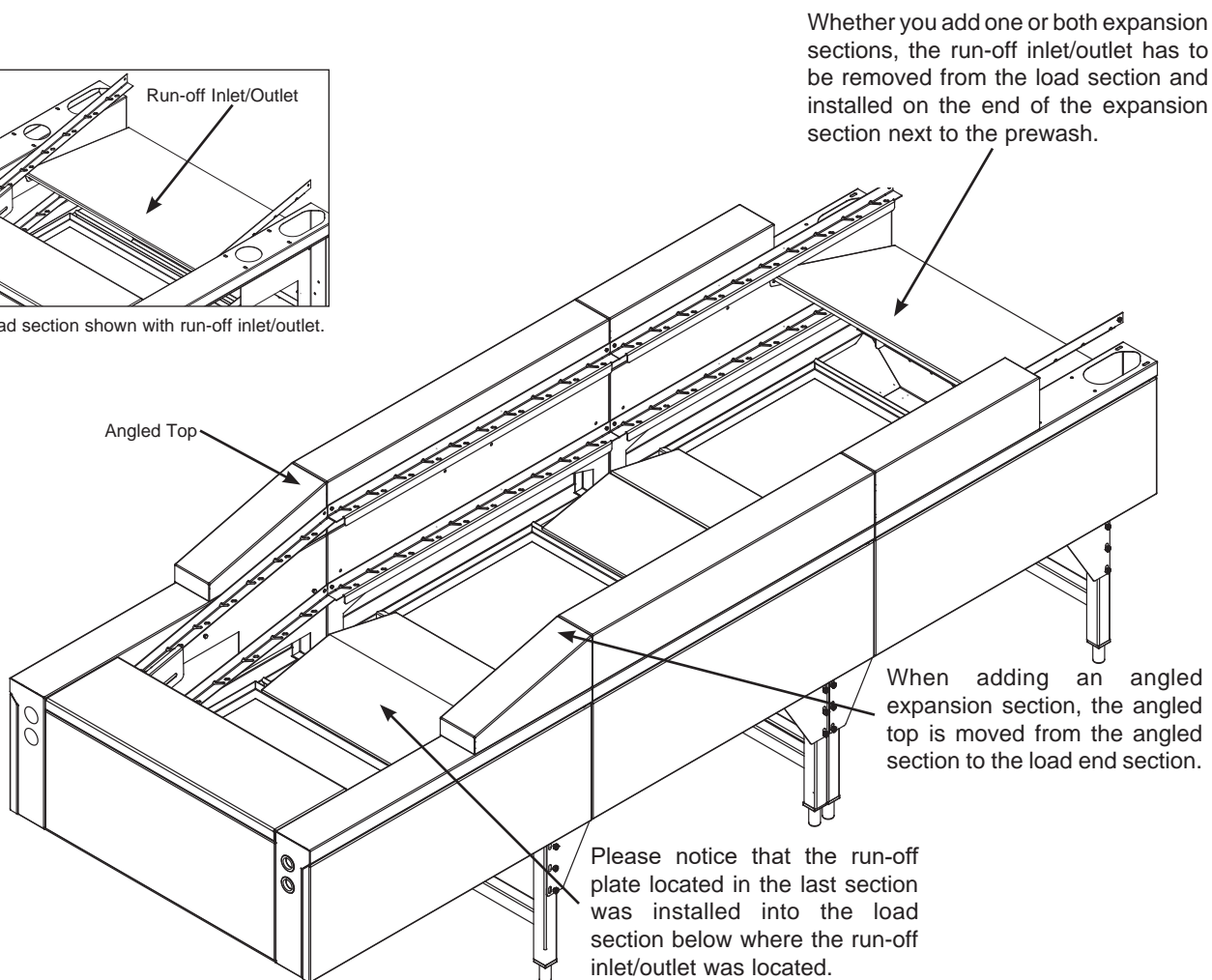


ITEM	QTY	DESCRIPTION	PART NUMBER
1	2 per	No Hub Connector, 2"	04730-002-66-87
2	1	Tube, CPVC 2" x 6"	05700-003-05-00
3	1	Gasket, Drain	05330-003-04-26
4	1	Flange, 2"	04730-003-04-25
5	1	Tee, CPVC, 2"	04730-002-66-09
6	2	Tube, CPVC 2" x 6"	05700-003-05-00
7	1	Elbow, 90-degree, CPVC, 2"	04730-002-72-25
8	1	CPVC, 2" x 3 3/4"	05700-002-69-58

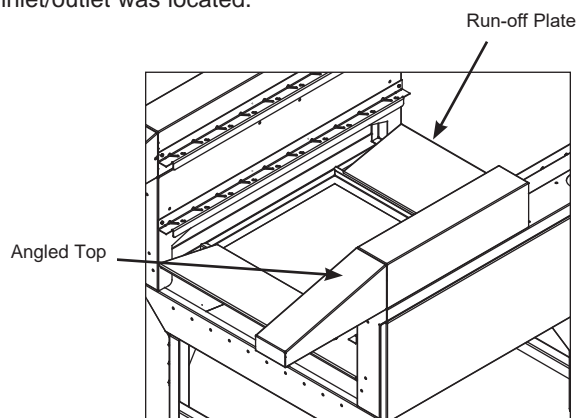
When assembling the angled and/or straight expansion sections to the load end, you will have to move some parts from one section to another. Shown below is how the sections look when all three are combined.



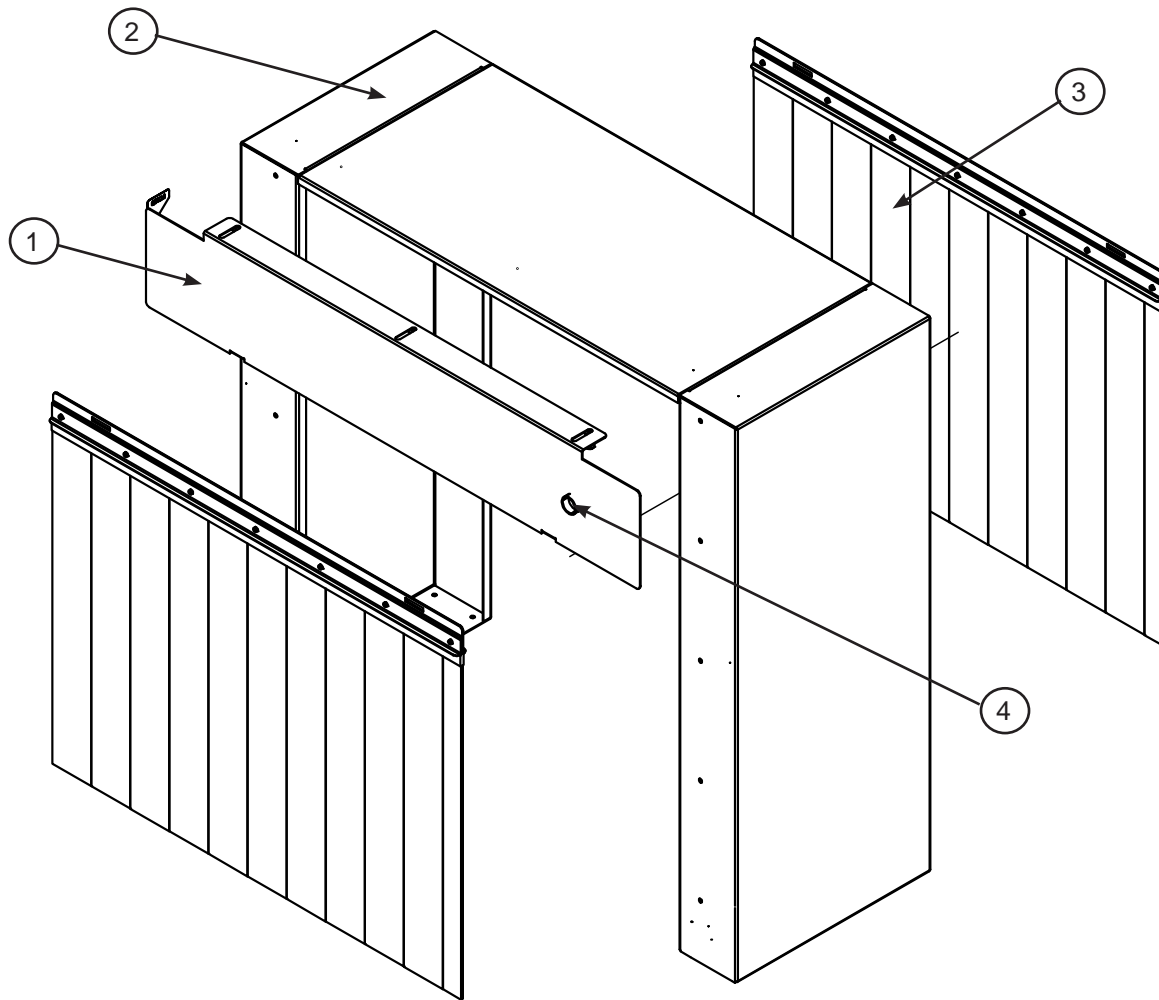
Load section shown with run-off inlet/outlet.



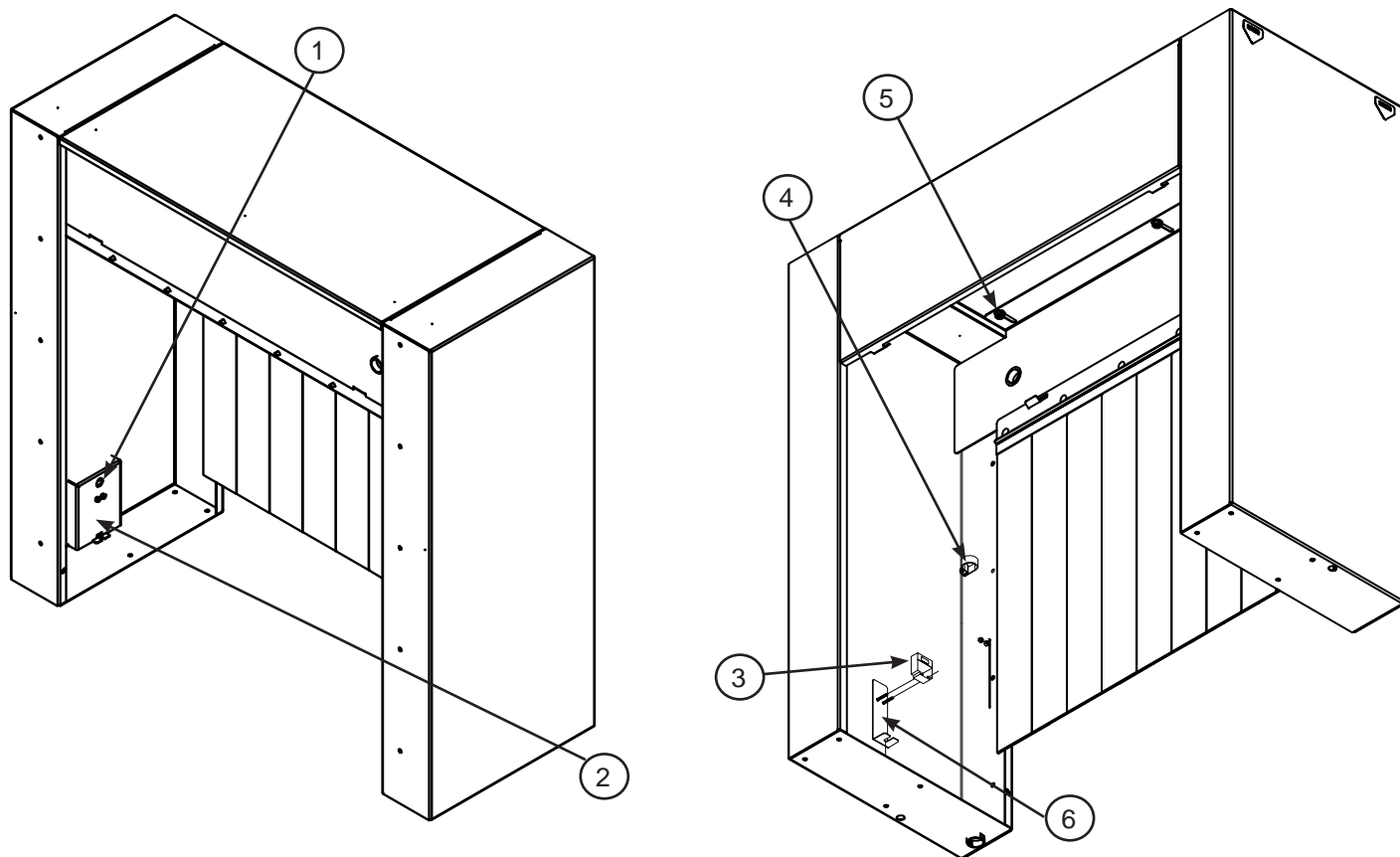
Straight expansion shown with both run-off plates.



Angled expansion shown with both run-off plates and the angled top.

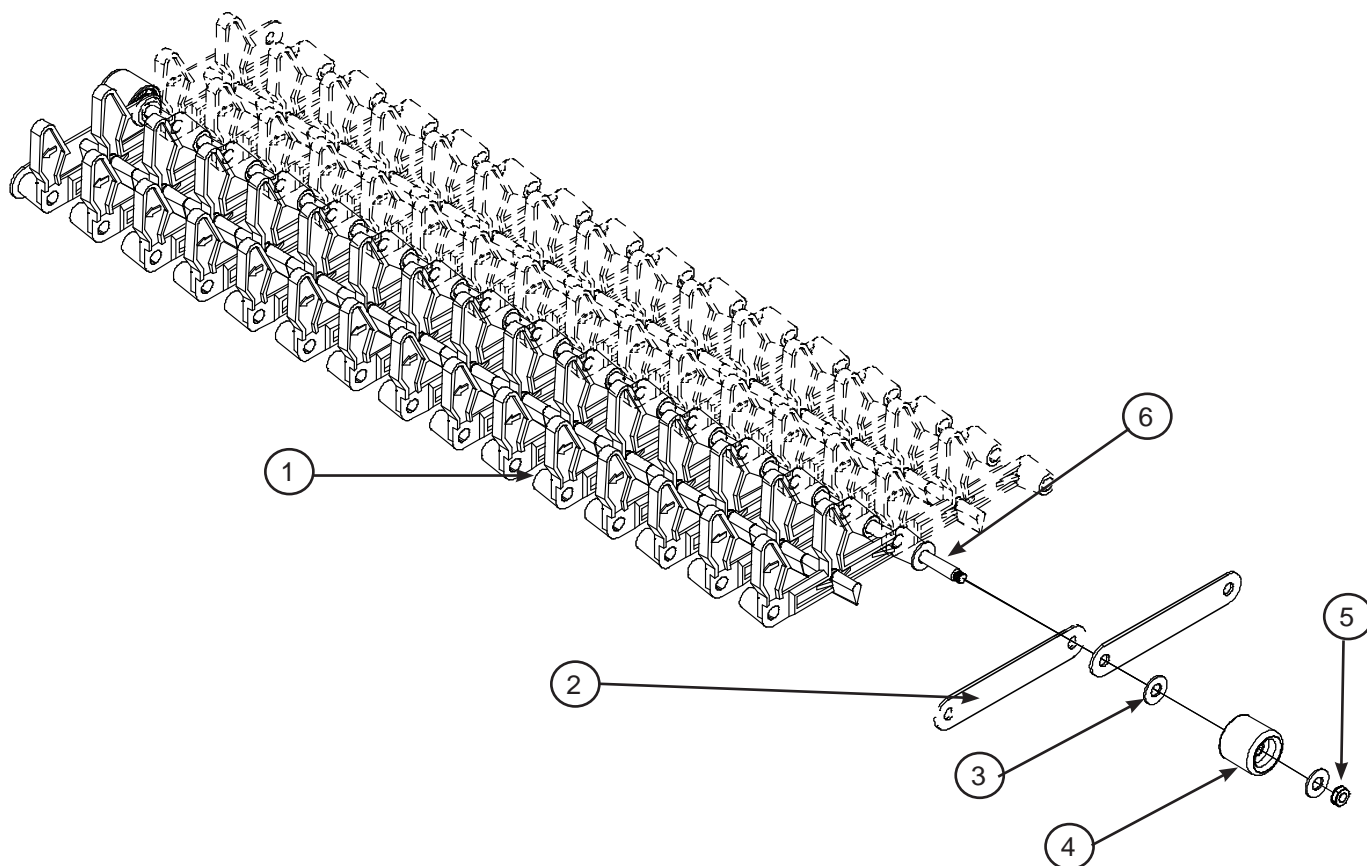


ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Shroud Buffer	05700-002-69-16
2	1	Shroud	05700-002-69-15
3	2 per	Long Curtain Assembly	05700-002-79-70
4	2 per	Grommet, 1 1/8"	05975-210-08-00

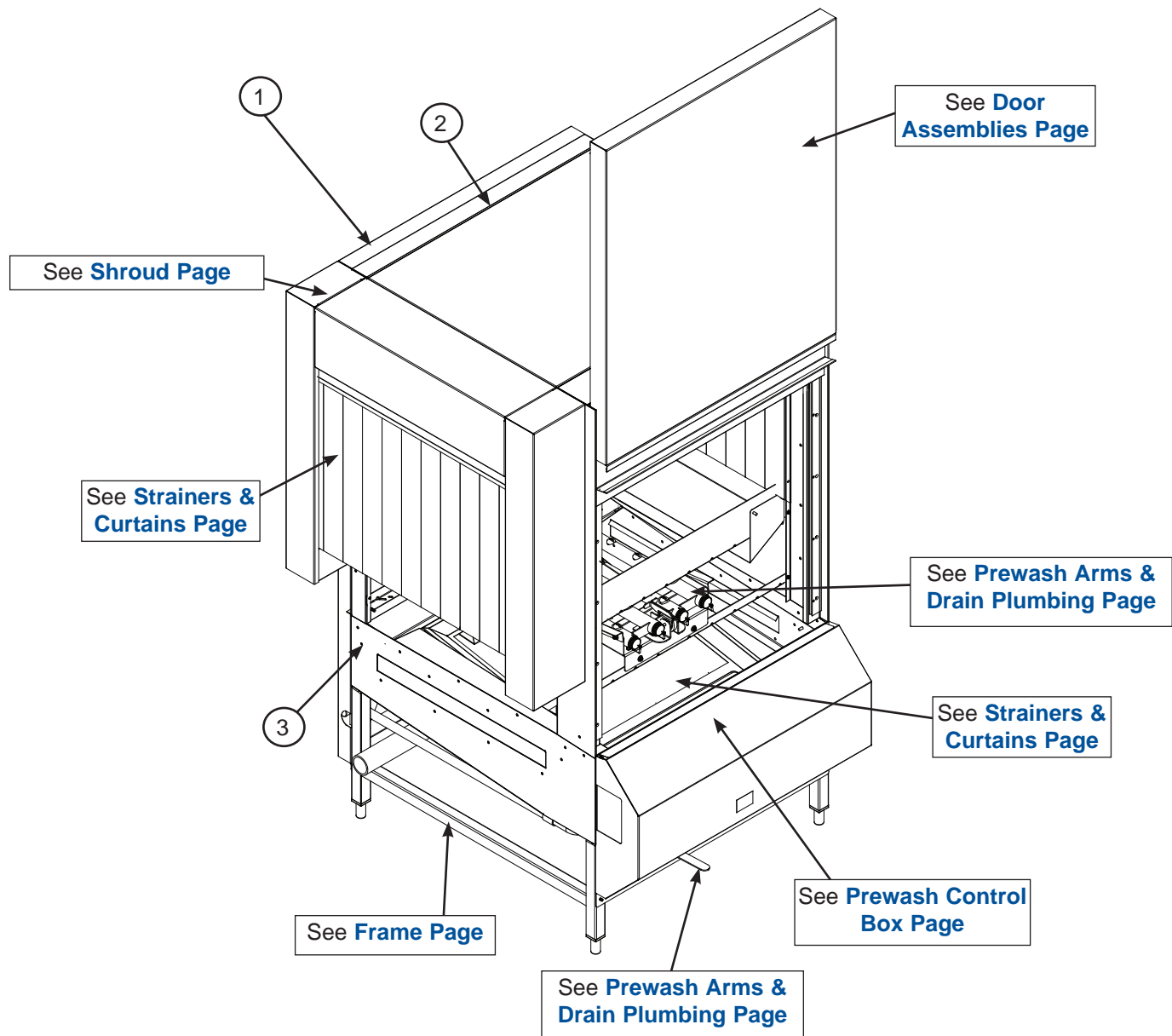


ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Receiver Sensor	05945-003-05-69
2	1	Locknut, 10-24 Hex with Nylon Insert	05310-373-01-00
3	1	Emitter Sensor	05945-003-05-68
4	1	Clamp, Cable .875 ID Locknut, 10-24 Hex with Nylon Insert	05975-003-04-84 05310-373-01-00
5	1	Locknut, 1/4-20 Hex with Nylon Insert Washer, 1/4-20 ID	05310-374-01-00 05311-174-01-00

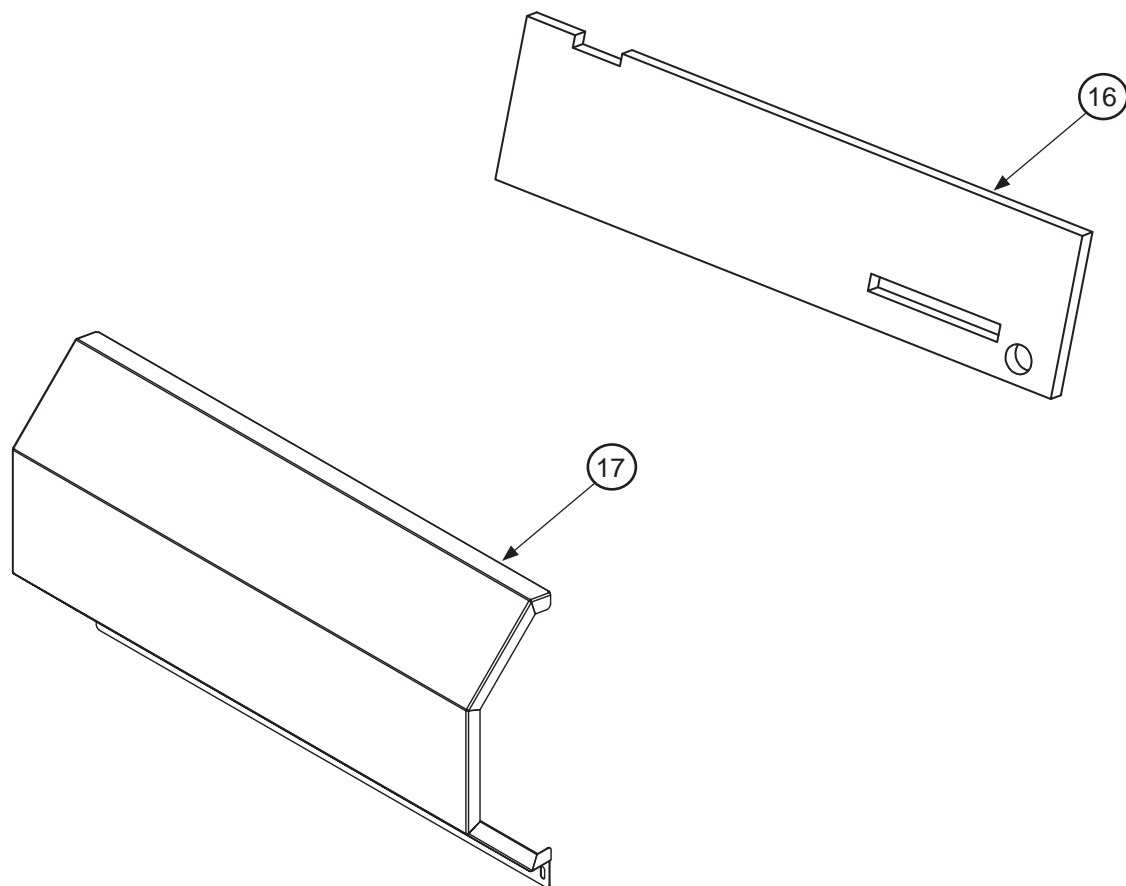
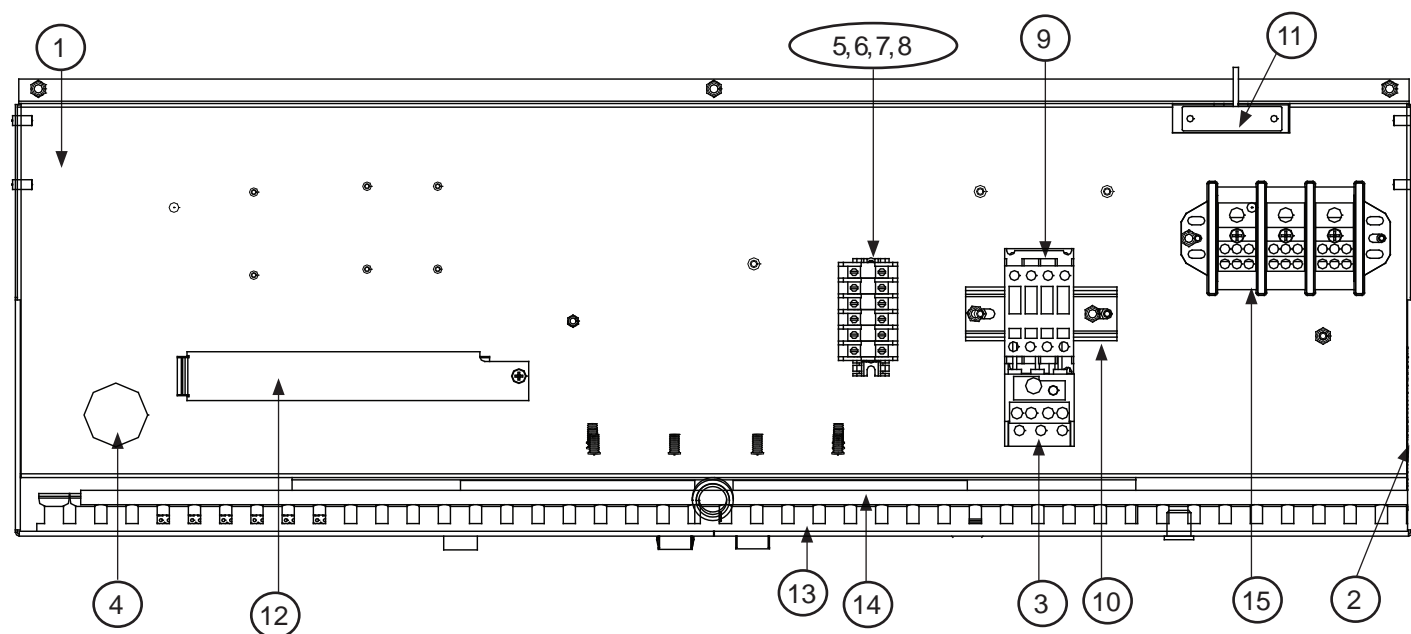
When ordering replacement conveyor belt assemblies, please have your machine serial number available and contact technical support toll free at 888.800.5672.



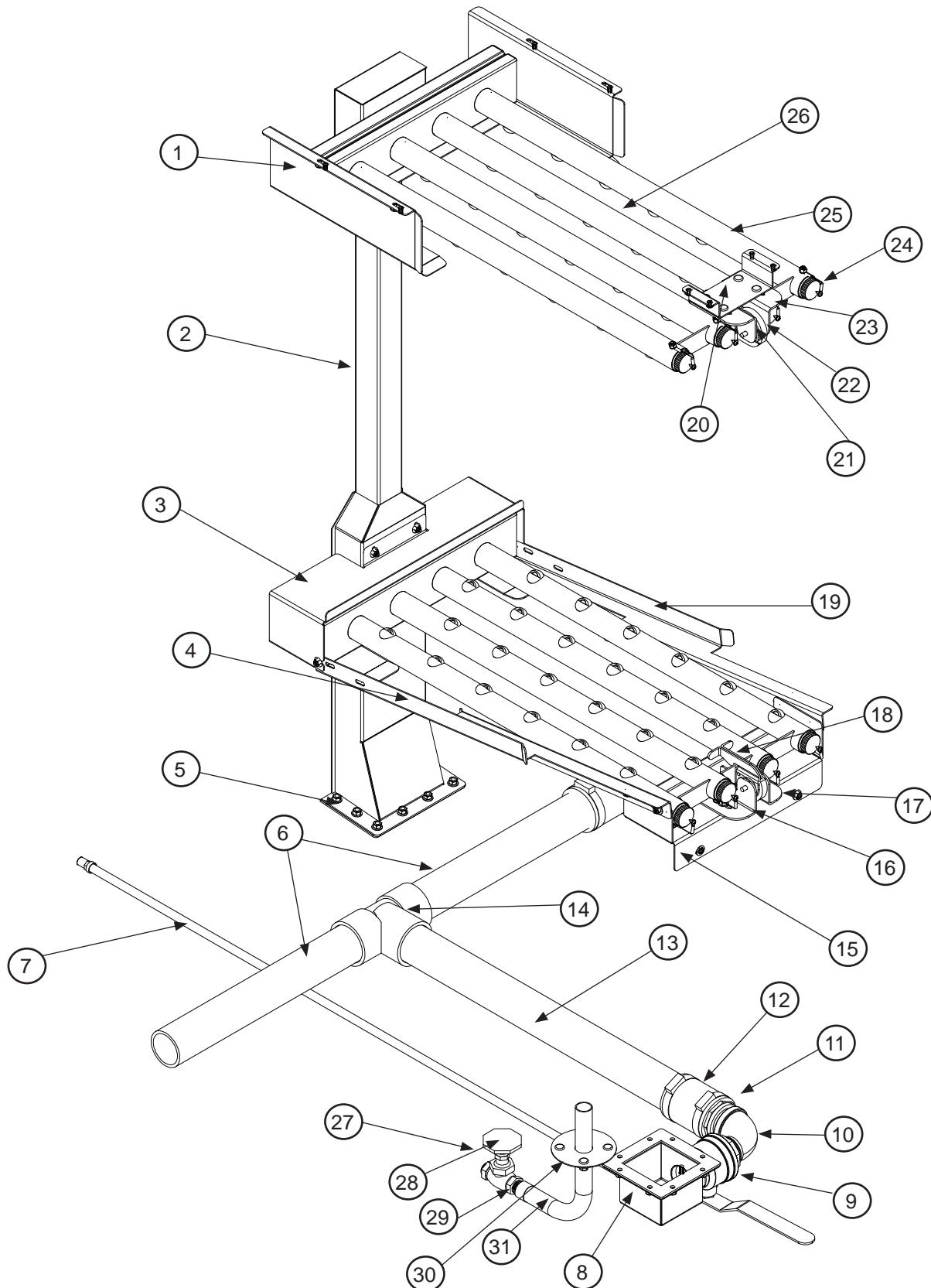
ITEM	QTY	DESCRIPTION	PART NUMBER
	1	Complete 12' Rod Assembly	05700-002-85-37
1	15	Peg, Belt	05700-003-25-80
2	2	Plate, Connector	05700-002-63-85
3	6	Washer	05311-175-01-00
4	2	Wheel, PVC	05340-002-63-86
5	2	Locknut, 1/4-20, Low Profile with Nylon Insert	05310-374-02-00
6	1	Rod, Conveyor	05700-002-63-92



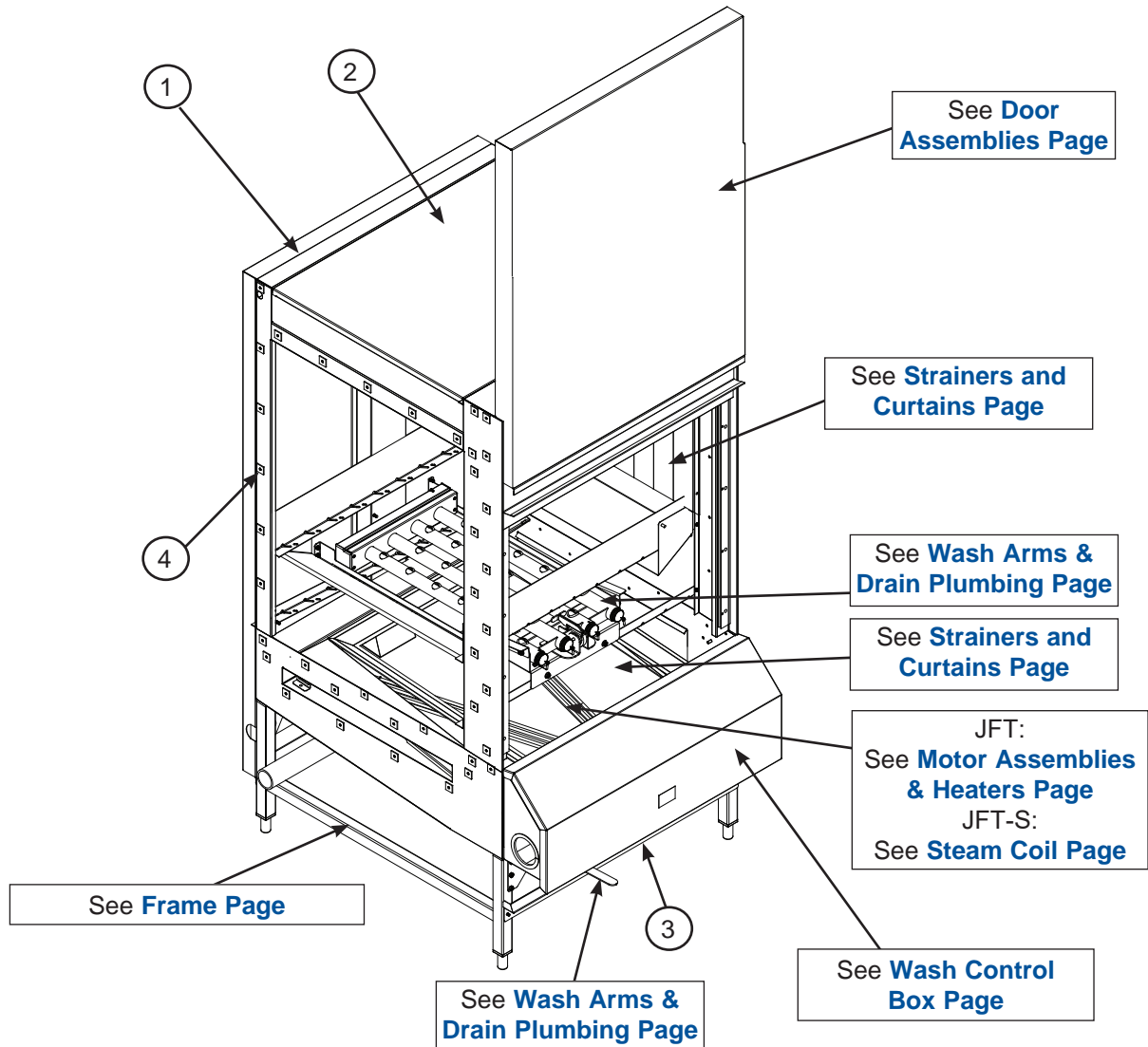
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Cover, Back	05700-002-64-41
	1	Foam, Back Cover	08115-002-71-33
2	1	Top Panel Cover	05700-002-64-40
	1	Top Panel Handle (Not Shown)	05700-002-67-21
3	38	Gasket Spacers (Not Shown)	05330-003-04-12
4	1	Switch, Dual Float (Not Shown)	06680-003-62-65
5	1	Switch, Reed (Not Shown)	05930-002-36-80
6	1	Relay, Top-mount (Not Shown)	05945-111-72-51
7	1	Overflow Plate (Not Shown)	05700-002-67-24



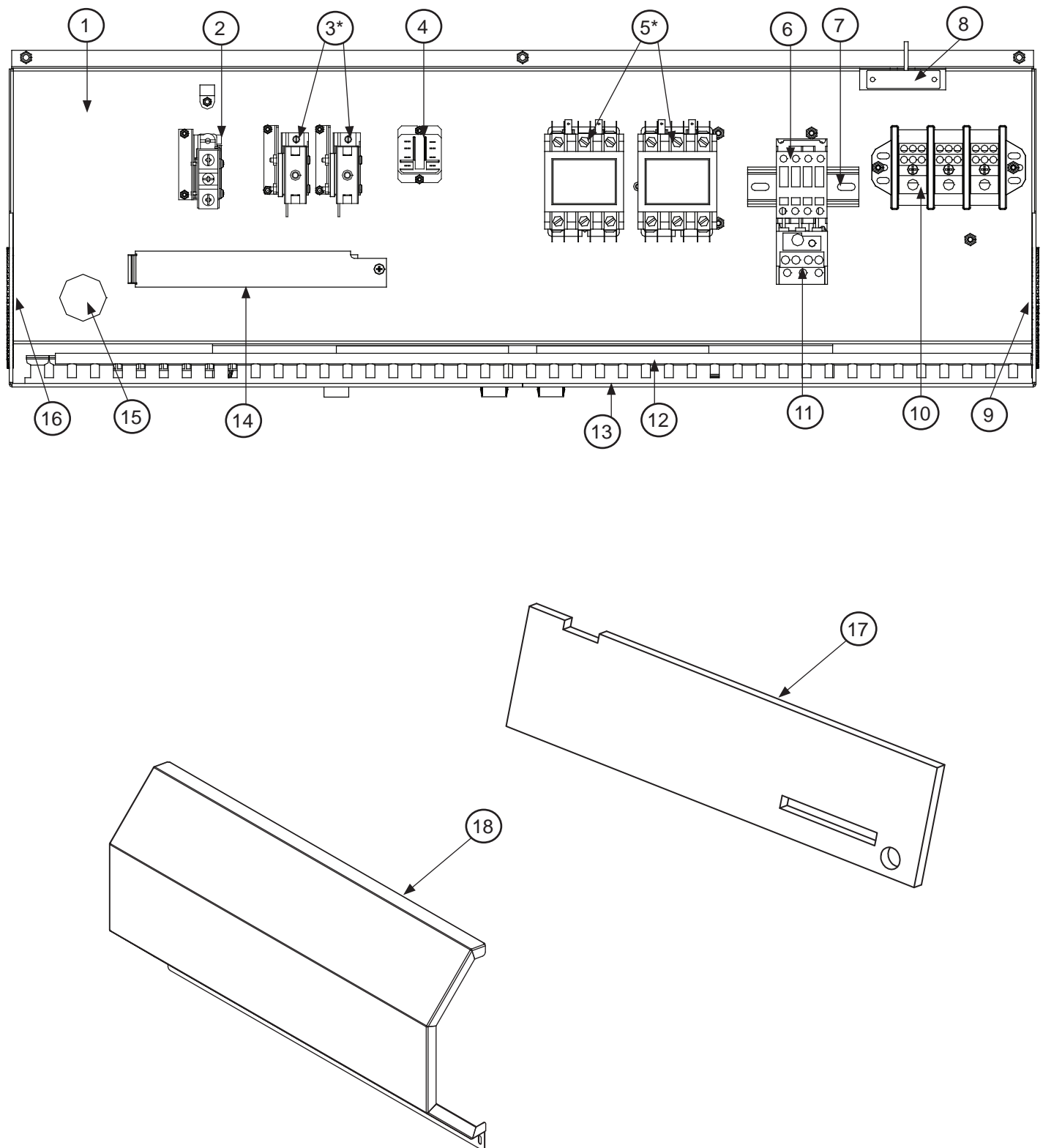
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Control Box	05700-002-70-62
2	1	Grommet, Rubber, 3 1/2"	05700-002-83-05
3	1	Overload, Prewash Motor, 10-16 A, 208-230 V	05945-011-84-59
3	1	Overload, Prewash Motor, 5.5-8.5 A, 460 V	05945-111-68-40
3	1	Overload, Prewash Motor, 4.0-6.3 A, 600 V	05945-111-81-33
4	6	Sensor, Swing Arm Level	06680-003-62-65
5	1	Channel, Mounting	05700-002-83-23
6	1	Block, Terminal	05940-500-11-05
7	1	End Barrier	05940-500-21-05
8	1	Retaining Clip	05940-500-02-05
9	1	Contactor, Wash Motor	05945-111-68-38
10	1	Din Rail	05700-002-16-00
11	1	Switch, Reed	05930-002-36-80
12	1	Thermostat Cover	05700-002-70-61
13	1	Panduit Bottom, 3" x 35 1/8"	05700-002-84-95
14	1	Panduit Cover, 3" x 34"	05700-002-84-94
15	1	Block, Terminal	05940-011-48-27
16	1	Insulation, Control Box	05700-002-80-47
17	1	Control Box Cover, L-R Control Box Cover, R-L	05700-002-88-27 05700-002-88-28
18	1	Decal, Warning-Disconnect Power (Not Shown)	09905-004-08-16
19	1	Decal, Drain Handle (Not Shown)	05700-003-12-80



ITEM	QTY	DESCRIPTION	PART NUMBER
		Complete Drain Plumbing Assembly	05700-002-79-16
1	1	Shield, Upper Wash Arm	05700-002-89-37
2	1	Wash Manifold	05700-002-96-95
3	1	Shield, Lower Wash Arm	05700-002-89-38
4	1	Rail, Left Lower Wash Arm	05700-002-90-53
5	1	Gasket, Wash Manifold Mounting	05330-002-89-84
6	2	Tube, Main Drain	05700-002-66-12
7	1	Drain Pump Tube Assembly	05700-002-91-19
8	1	Drain Cup Gasket, Drain Cup	05700-002-73-72 05330-002-73-47
9	1	Valve, Ball, 1 1/2" Handle, Ball Valve	04820-111-71-46 05700-002-98-10
10	1	Elbow, 1 1/2" Brass	04730-206-32-00
11	1	Slip, 1 1/2" x 1 1/2"	04730-002-74-06
12	2	No Hub Connector, 2"	04730-002-66-87
13	1	Tube, Main Drain	05700-002-67-01
14	1	Tee, PVC, 2"	04730-002-66-09
15	1	Bracket, Front Lower Wash Arm	05700-002-89-96
16	1	Bracket, Left, Locking Handle	05700-002-89-35
17	1	Bracket, Right, Locking Handle	05700-002-89-38
18	2	Handle, Arm Locking	05700-002-89-93
19	1	Rail, Right Lower Wash Arm	05700-002-90-54
20	1	Bracket, Front Upper Wash Arm	05700-002-89-97
21	1	Bracket, Right, Locking Handle	05700-002-89-38
22	1	Gasket, Locking Handle	05330-002-89-94
23	1	Bracket, Left, Locking Handle	05700-002-89-35
24	4	Lanyard, 6" Cap, Threaded	05340-011-72-46 04730-603-12-00
25	1	Wash Arm	05700-002-83-51
26	2	Wash Arm Assembly	05700-002-65-45
27	1	Prewash Transfer Tube Assembly	05700-002-80-05
28	1	Valve, Brass Globe	04820-002-91-46
29	1	Nipple, 1/2" Close Brass	04730-207-15-00
30	1	Transfer Tube Weldment	05700-002-71-46
31	1	Gasket, Final Rinse Plate	05330-002-67-61



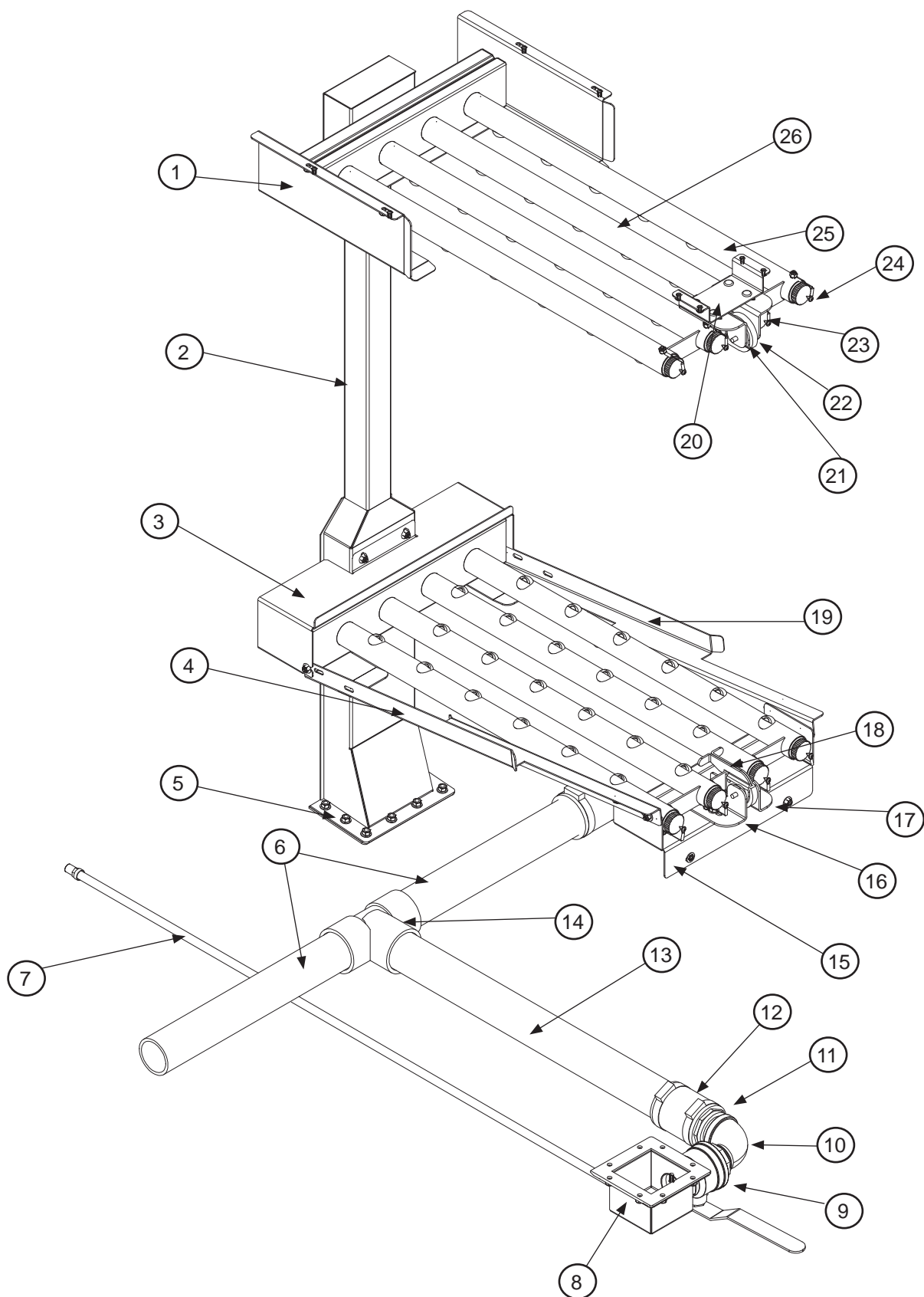
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Cover, Back Foam, Back Cover	05700-002-64-41 08115-002-71-33
2	1	Top Panel Cover Top Panel Handle (Not Shown)	05700-002-64-40 05700-002-67-21
3	1	Hose Assembly, 65" Wash Steam Coil Supply (JFT-S Only) (Not Shown)	05700-002-88-00
4	38	Gasket Spacers	05330-003-04-12
5	1	Gasket, Tub (Not Shown)	05700-002-86-10
6	1	Switch, Dual Float (Not Shown)	06680-003-62-65
7	1	Switch, Reed (Not Shown)	05930-002-36-80
8	1	Relay, Top-mount (Not Shown)	05945-111-72-51
9	1	Overflow Plate (Not Shown)	05700-002-67-24
10	2	Thermostat, High Limit (Not Shown)	05930-003-92-41



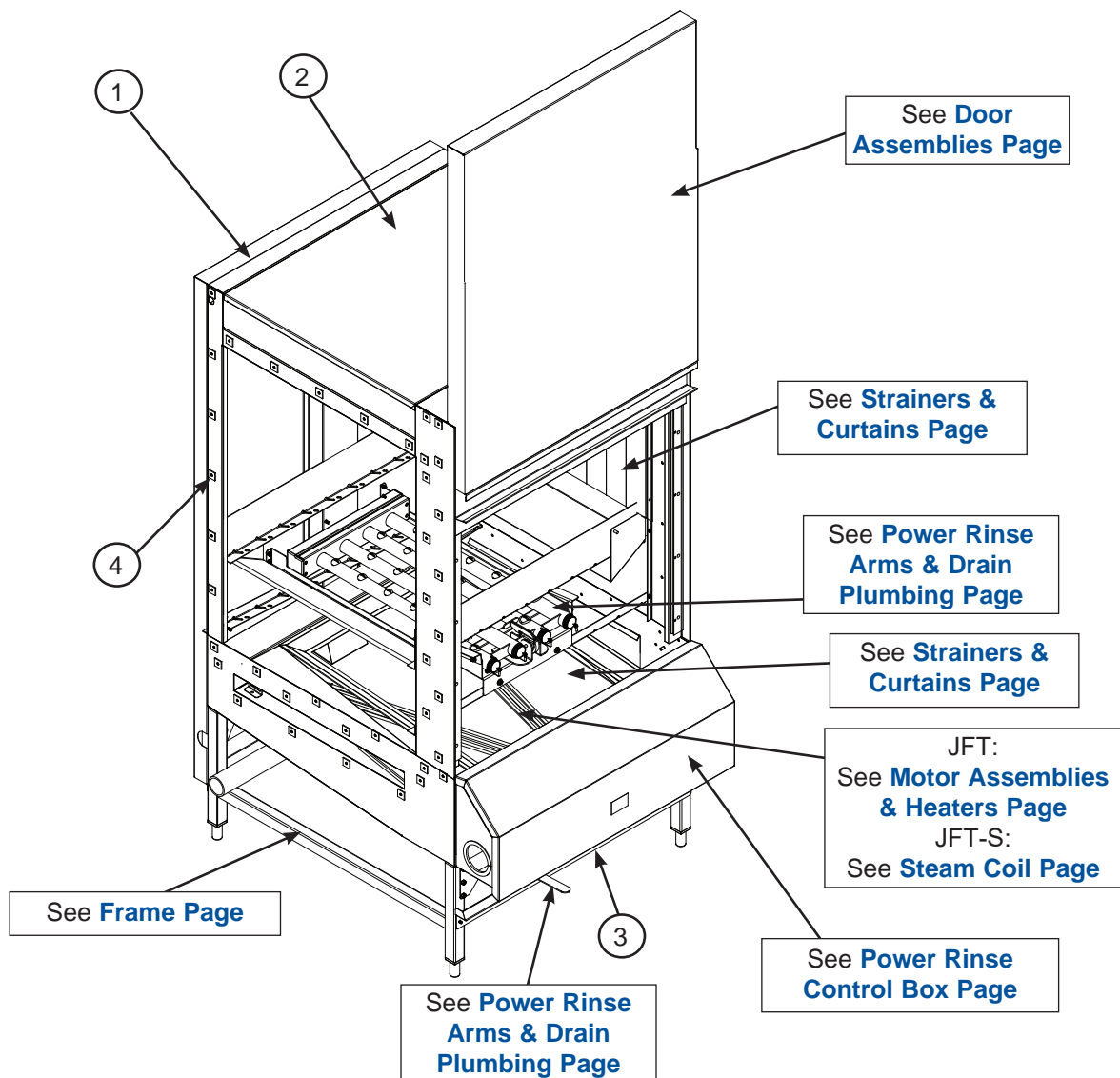
* Not used on steam unit.

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Control Box	05700-002-70-62
2	1	Thermostat Kit, Thermostat Replacement	05930-003-13-65 06401-003-18-66
3*	2	Thermostat, High Limit (JFT Only)	05930-002-83-31
4	1	Relay, 2-Pole	05945-111-35-19
5*	2	Contactor, 3-Pole, 50 A (JFT Only)	05945-002-24-70
6	1	Contactor, Wash Motor	05945-111-68-38
7	1	Din Rail	05700-002-16-00
8	1	Switch, Reed	05930-002-36-80
9	1	Grommet, Rubber, 3 1/2"	05700-002-83-05
10	5	Block, Terminal	05940-011-48-27
11	1	Overload, Wash Motor, 10-16 A, 208-230 V Overload, Wash Motor, 5.5-8.5 A, 460 V Overload, Wash Motor, 4.0-6.3 A, 600 V	05945-011-84-59 05945-111-68-40 05945-111-81-33
12	1	Panduit Cover	05700-002-84-94
13	1	Panduit Bottom	05700-002-84-95
14	1	Thermostat Cover	05700-002-70-61
15	1	Sensor, Swing Arm Level	06680-003-62-65
16	1	Grommet, Rubber, 3 1/2"	05700-002-83-05
17	1	Insulation, Control Box	05700-002-80-47
18	1	Control Box Cover	05700-002-81-82
19	1	Decal, Warning-Disconnect Power (Not Shown)	09905-004-08-16
20	1	Decal, Drain Handle (Not Shown)	05700-003-12-80

* Not used on steam unit.



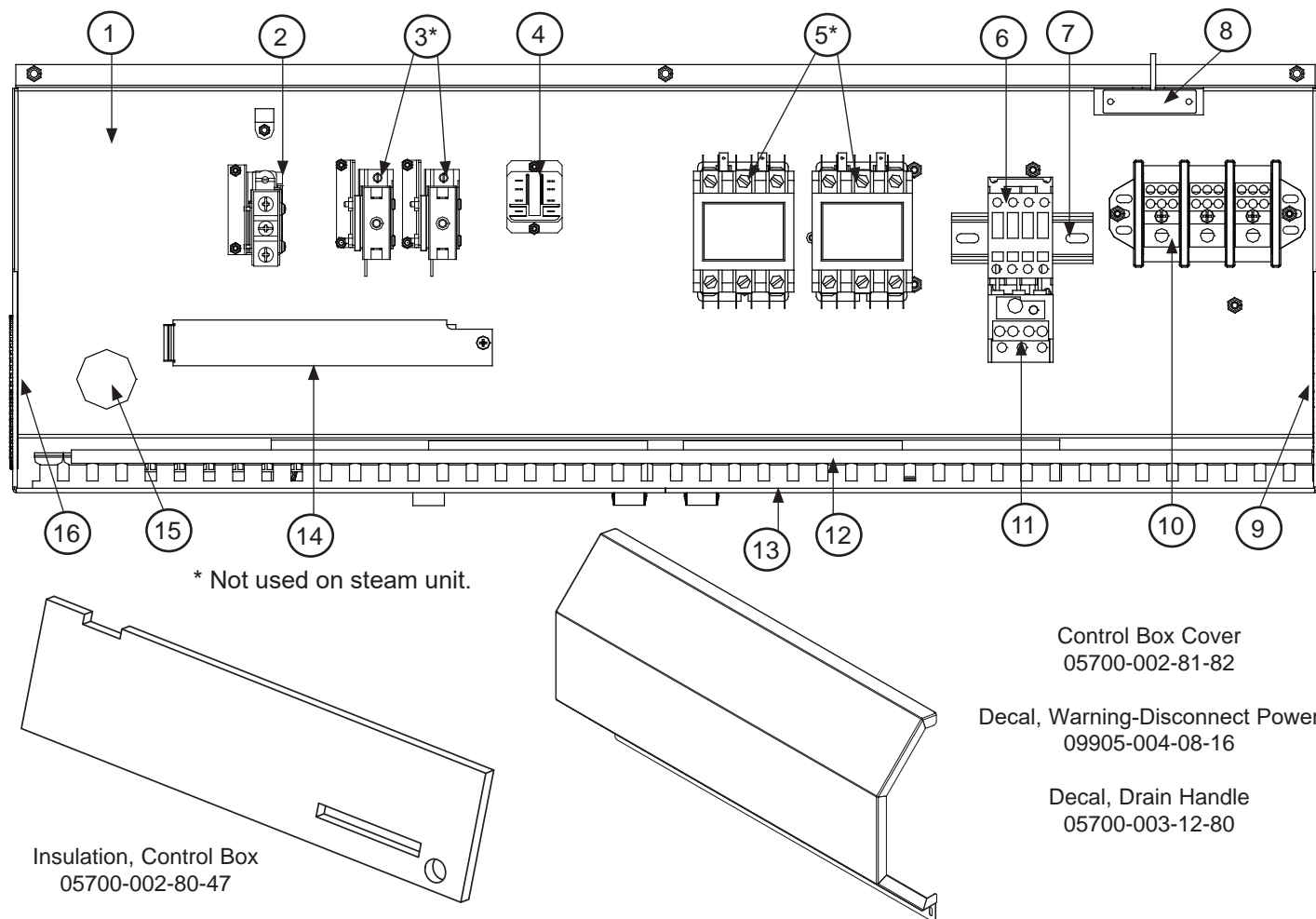
ITEM	QTY	DESCRIPTION	PART NUMBER
		Complete Drain Plumbing Assembly	05700-002-79-16
1	1	Shield, Upper Wash Arm	05700-002-89-37
2	1	Wash Manifold	05700-002-96-95
3	1	Shield, Lower Wash Arm	05700-002-89-38
4	1	Rail, Left Lower Wash Arm	05700-002-90-53
5	1	Gasket, Wash Manifold Mounting	05330-002-89-84
6	2	Tube, Main Drain	05700-002-66-12
7	1	Drain Pump Tube Assembly	05700-002-91-19
8	1	Drain Cup	05700-002-73-72
8a	1	Gasket, Drain Cup	05330-002-73-47
9	1	Valve, Ball, 1 1/2"	04820-111-71-46
9b	1	Handle, Ball Valve	05700-002-98-10
10	1	Elbow, 1 1/2" Brass	04730-206-32-00
11	1	Slip, 1 1/2" x 1 1/2"	04730-002-74-06
12	2	No Hub Connector, 2"	04730-002-66-87
13	1	Tube, Main Drain	05700-002-67-01
14	1	Tee, PVC, 2"	04730-002-66-09
15	1	Bracket, Front Lower Wash Arm	05700-002-89-96
16	1	Bracket, Left, Locking Handle	05700-002-89-35
17	1	Bracket, Right, Locking Handle	05700-002-89-38
18	2	Handle, Arm Locking	05700-002-89-93
19	1	Rail, Right Lower Wash Arm	05700-002-90-54
20	1	Bracket, Front Upper Wash Arm	05700-002-89-97
21	1	Bracket, Right, Locking Handle	05700-002-89-38
22	1	Gasket, Locking Handle	05330-002-89-94
23	1	Bracket, Left, Locking Handle	05700-002-89-35
24	4	Lanyard, 6" Cap, Threaded	05340-011-72-46 04730-603-12-00
25	1	Wash Arm	05700-002-83-51
26	2	Wash Arm Assembly	05700-002-65-45



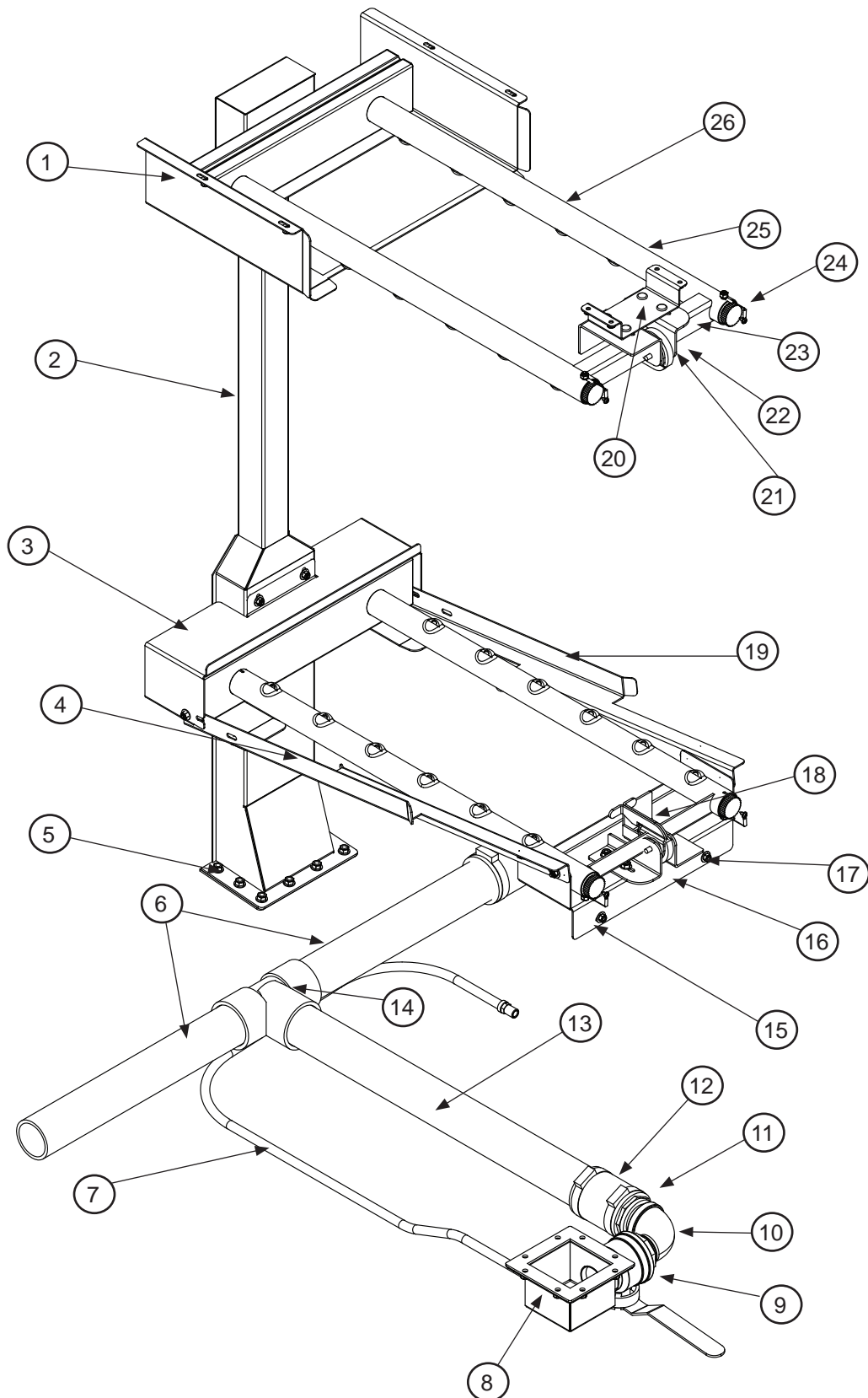
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Cover, Back Foam, Back Cover	05700-002-64-41 08115-002-71-33
2	1	Top Panel Cover Top Panel Handle (Not Shown)	05700-002-64-40 05700-002-67-21
3	1	Hose Assembly, 65" Wash Steam Coil Supply (JFT-S Only) (Not Shown)	05700-002-88-00
4	38	Gasket Spacers	05330-003-04-12
5	1	Gasket, Tub (Not Shown)	05700-002-86-10
6	1	Switch, Dual Float (Not Shown)	06680-003-62-65
7	1	Switch, Reed (Not Shown)	05930-002-36-80
8	1	Relay, Top-mount (Not Shown)	05945-111-72-51
9	1	Overflow Plate (Not Shown)	05700-002-67-24
10	2	Thermostat, High Limit (Not Shown)	05930-003-92-41

PARTS

POWER RINSE CONTROL BOX

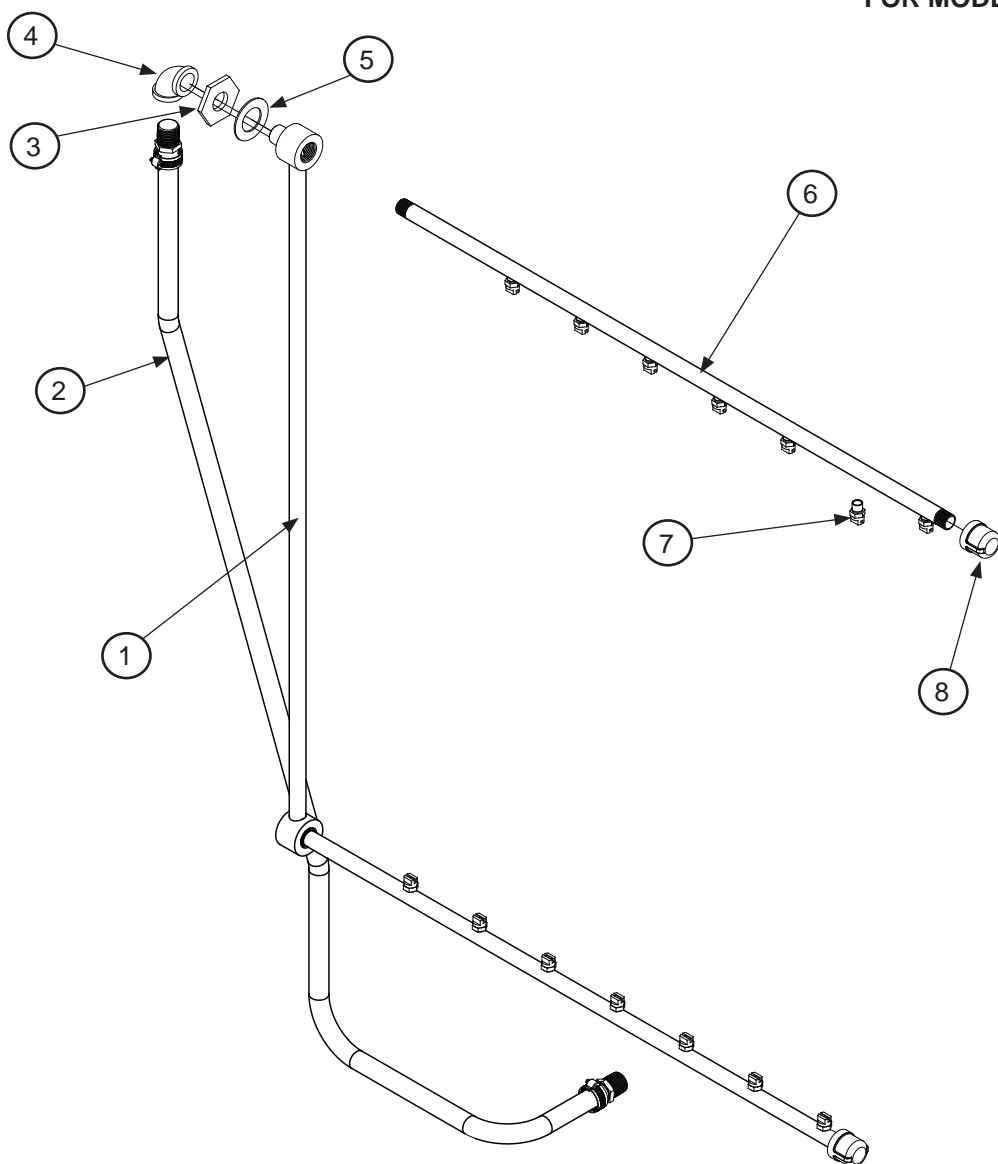


ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Control Box	05700-002-70-62
2	1	Thermostat Kit, Thermostat Replacement	05930-003-13-65 06401-003-18-66
3*	2	Thermostat, High Limit (JFT Only)	05930-002-83-31
4	1	Relay, 2-Pole	05945-111-35-19
5*	2	Contactator, 3-Pole, 50 A (JFT Only)	05945-002-24-70
6	1	Contactator, Wash Motor	05945-111-68-38
7	1	Din Rail	05700-002-16-00
8	1	Switch, Reed	05930-002-36-80
9	1	Grommet, Rubber, 3 1/2"	05700-002-83-05
10	5	Block, Terminal	05940-011-48-27
11	1	Overload, Wash Motor, 10-16 A, 208-230 V Overload, Wash Motor, 5.5-8.5 A, 460 V Overload, Wash Motor, 4.0-6.3 A, 600 V	05945-011-84-59 05945-111-68-40 05945-111-81-33
12	1	Panduit Cover	05700-002-84-94
13	1	Panduit Bottom	05700-002-84-95
14	1	Thermostat Cover	05700-002-70-61
15	1	Sensor, Swing Arm Level	06680-003-62-65
16	1	Grommet, Rubber, 3 1/2"	05700-002-83-05

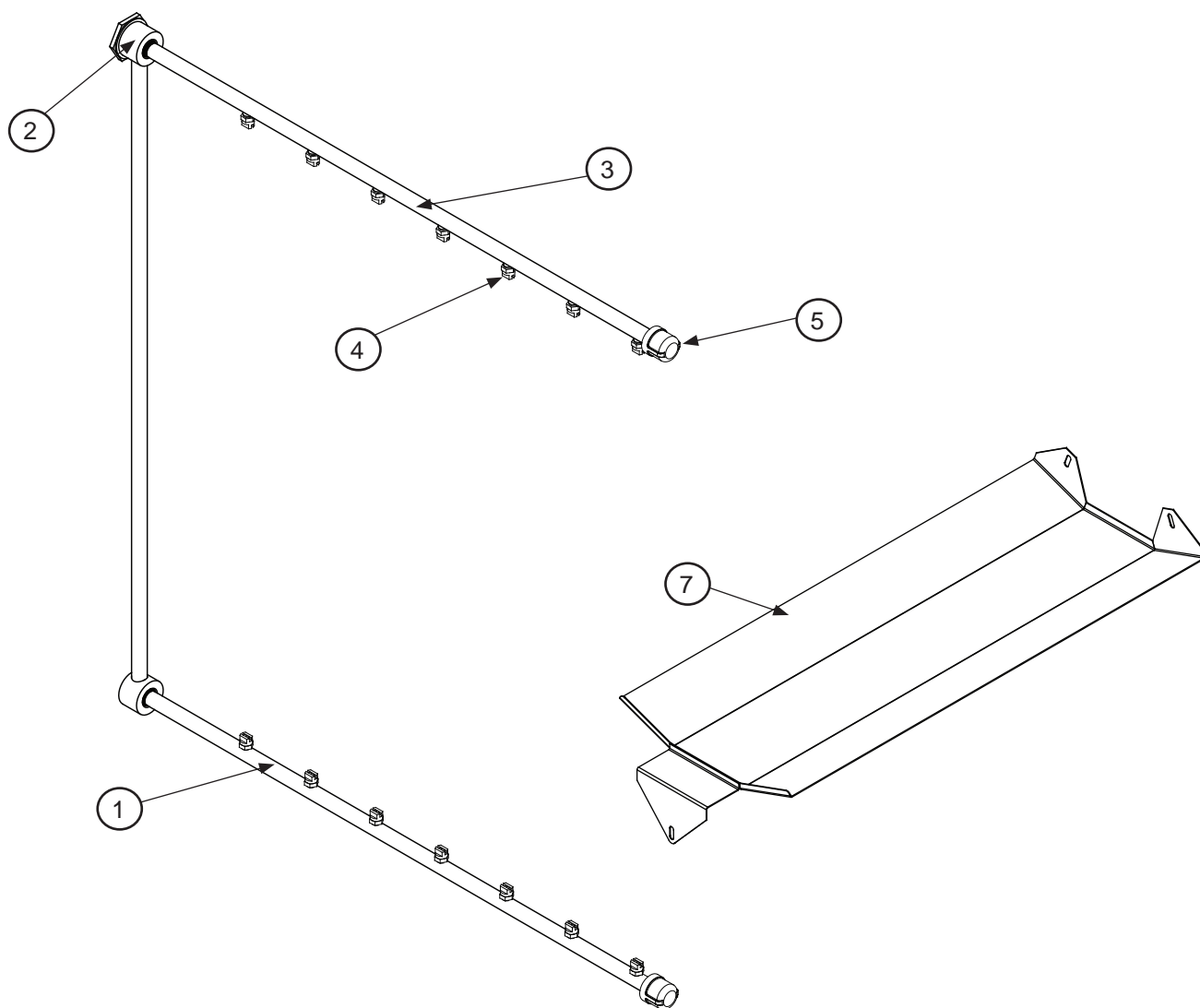


ITEM	QTY	DESCRIPTION	PART NUMBER
		Complete Drain Plumbing Assembly	05700-002-79-16
1	1	Shield, Upper Wash Arm	05700-002-89-37
2	1	Wash Manifold	05700-002-96-95
3	1	Shield, Lower Wash Arm	05700-002-89-38
4	1	Rail, Left Lower Wash Arm	05700-002-90-53
5	1	Gasket, Wash Manifold Mounting	05330-002-89-84
6	2	Tube, Main Drain	05700-002-66-12
7	1	Drain Pump Tube Assembly	05700-002-91-19
8	1	Drain Cup Gasket, Drain Cup	05700-002-73-72 05330-002-73-47
9	1	Valve, Ball, 1 1/2" Handle, Ball Valve	04820-111-71-46 05700-002-98-10
10	1	Elbow, 1 1/2" Brass	04730-206-32-00
11	1	Slip, 1 1/2" x 1 1/2"	04730-002-74-06
12	2	No Hub Connector, 2"	04730-002-66-87
13	1	Tube, Main Drain	05700-002-67-01
14	1	Tee, PVC, 2"	04730-002-66-09
15	1	Bracket, Front Lower Wash Arm	05700-002-89-96
16	1	Bracket, Left, Locking Handle	05700-002-89-35
17	1	Bracket, Right, Locking Handle	05700-002-89-38
18	2	Handle, Arm Locking Weldment	05700-002-89-93
19	1	Rail, Right Lower Wash Arm	05700-002-90-54
20	1	Bracket, Front Upper Wash Arm	05700-002-89-97
21	1	Bracket, Right, Locking Handle	05700-002-89-38
22	1	Gasket, Locking Handle	05330-002-89-94
23	1	Bracket, Left, Locking Handle	05700-002-89-35
24	4	Lanyard, 6" Cap, Threaded	05340-011-72-46 04730-603-12-00
25	2	Power Rinse Arm	05700-002-83-83
26	2	Power Rinse Arm Assembly	05700-002-67-07

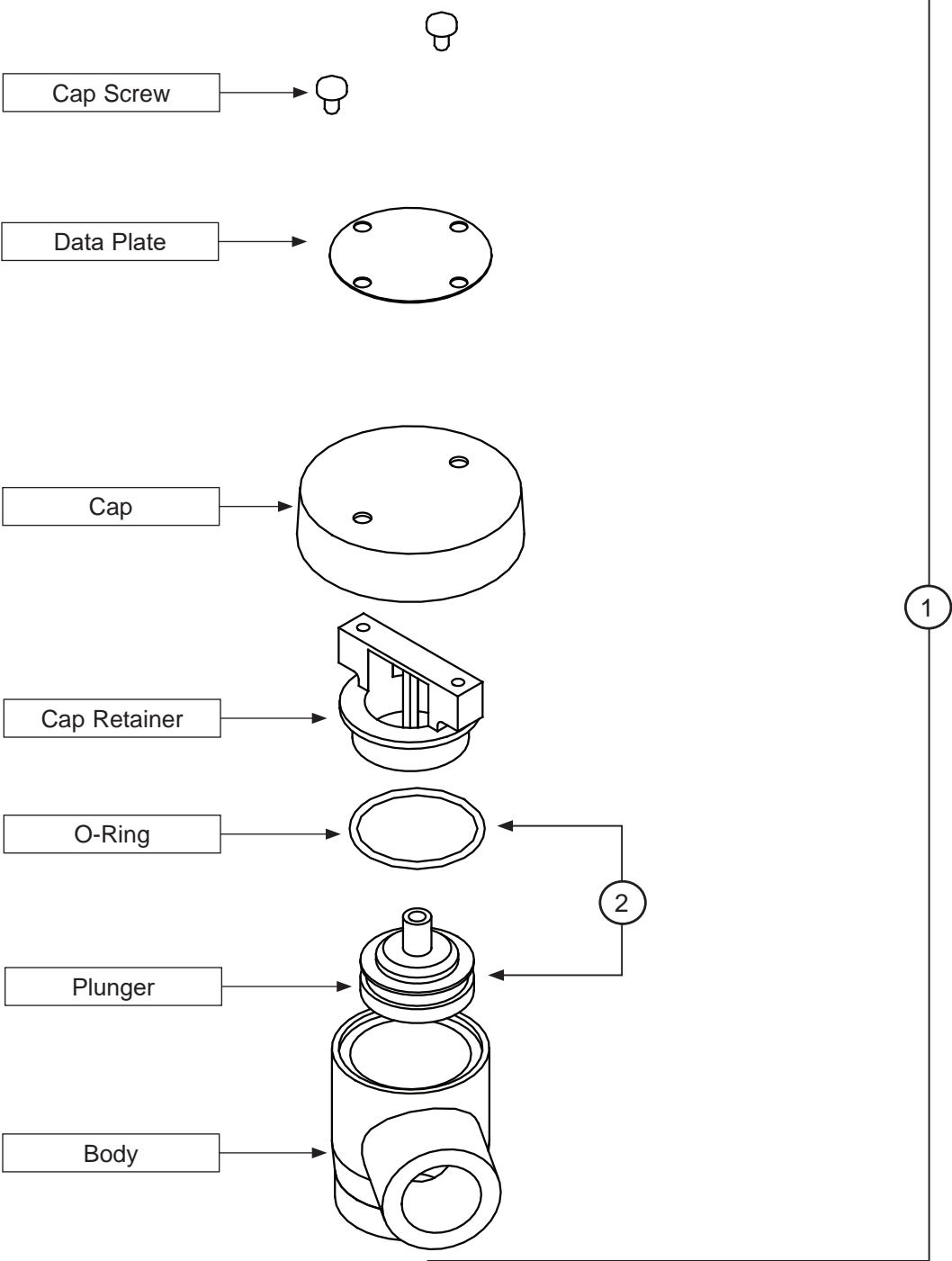
FOR MODELS WITH A PUMPED FINAL RINSE



ITEM	QTY	DESCRIPTION	PART NUMBER
	1	Complete Final Rinse Assembly	05700-003-07-15
1	1	Rinse Manifold	05700-002-67-50
2	1	Final Rinse Hose Assembly	05700-002-88-02
3	1	Nut, 1/2" Brass	04730-002-67-88
4	1	Elbow, 1/2" 90-degree Brass	04730-011-42-96
5	1	Gasket	05700-001-17-86
6	2	Final Rinse Arm	05700-002-67-37
7	14	Rinse Arm Jet	04730-002-73-31
8	2	Rinse Arm Cap	05700-002-02-19
9	1	Run-off Sheet	05700-002-84-91

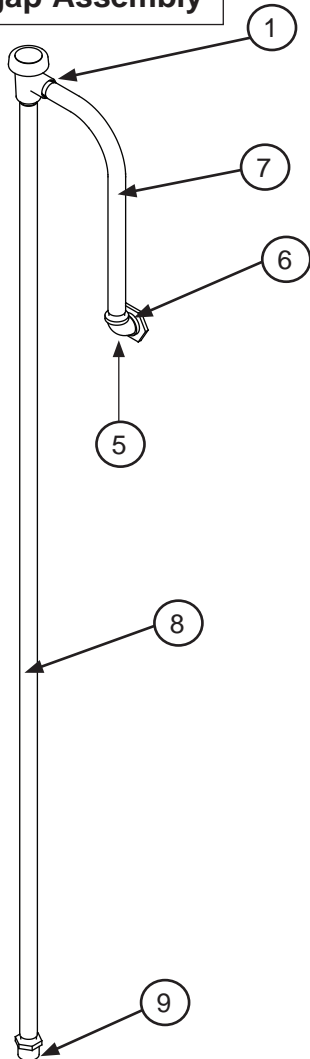


ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Rinse Manifold	05700-001-17-86
2	1	Gasket, Steam Coil	05700-002-67-50
3	1	Final Rinse Arm	05700-002-67-37
4	14	Rinse Arm Jet	04730-002-73-31
5	2	Rinse Arm Cap	05700-002-02-19
6	2	O-ring, Silicon (Not Shown)	05330-003-77-82
7	1	Run-off Sheet	05700-002-84-91

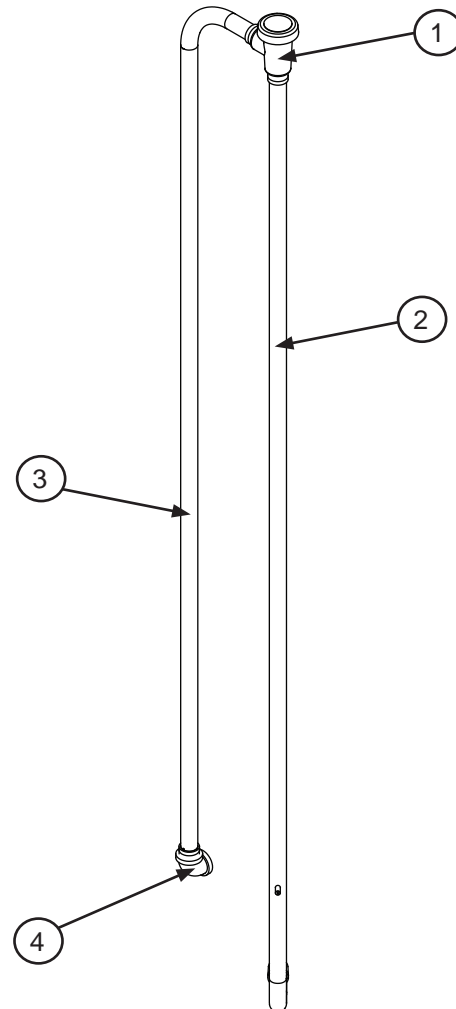


ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Complete Vacuum Breaker Assembly	04820-002-53-77
2	1	Components of Repair Kit	06401-003-06-24

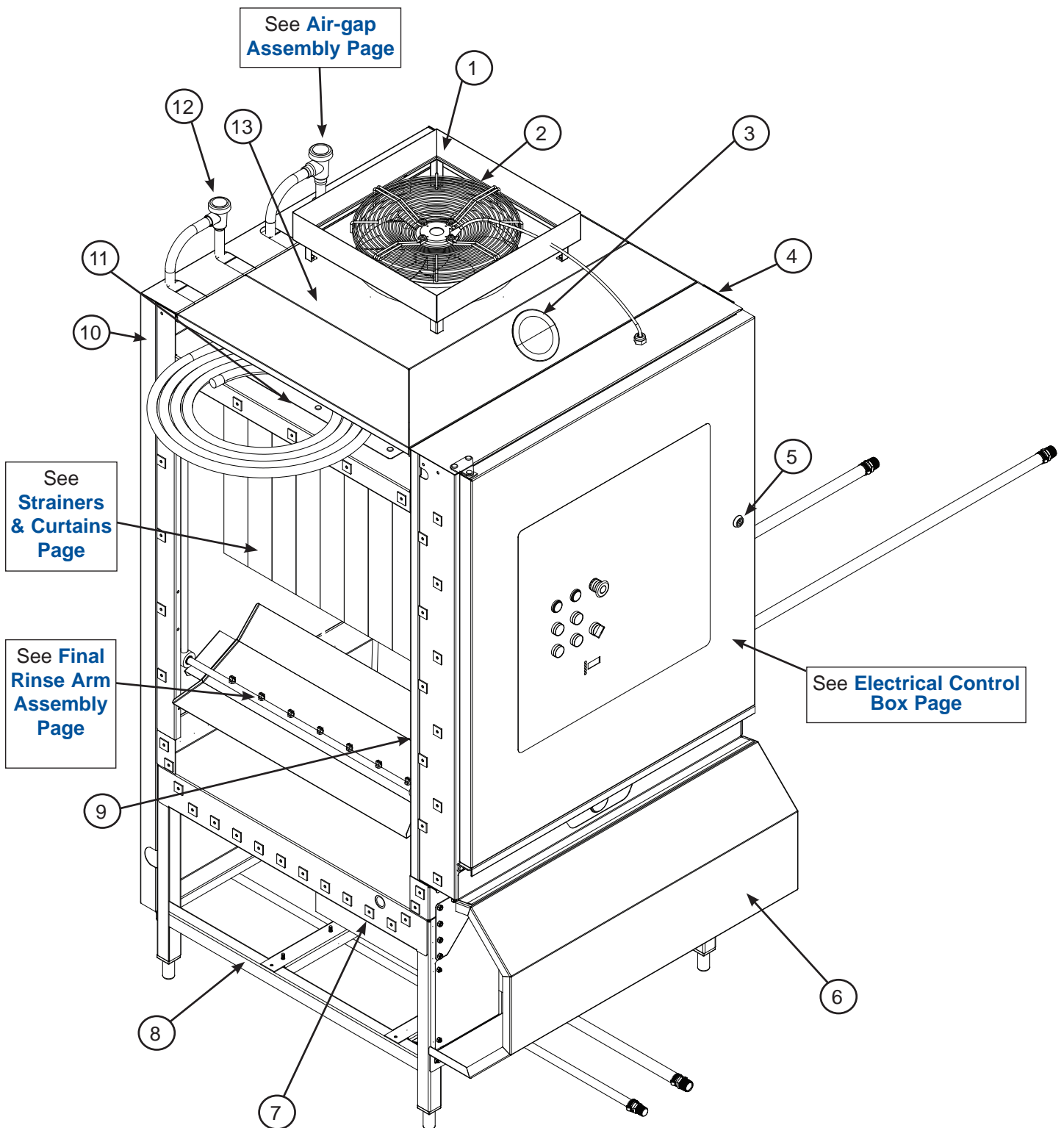
Rinse Air-gap Assembly



Air-gap Assembly



ITEM	QTY	DESCRIPTION	PART NUMBER
		Rinse Air-gap Assembly	05700-003-19-43
		Air-gap Assembly	05700-003-19-44
1	2	Vacuum Breaker Assembly	04820-002-53-77
2	1	Fill Tube	05700-003-25-13
3	1	Fill Tube, 53 1/2"	05700-003-25-12
4	1	Elbow, 3/4", 90-degree Brass	04730-206-13-00
5	1	Elbow, 1/2" x 90-degree Brass	04730-011-42-96
6	1	Nut, Jam, 1/2"	04730-002-67-88
7	1	Fill Tube	05700-003-25-35
8	1	Fill Tube, 56 1/2"	05700-003-25-36
9	1	Bushing, 3/4" to 1/2" Brass	04730-002-56-27

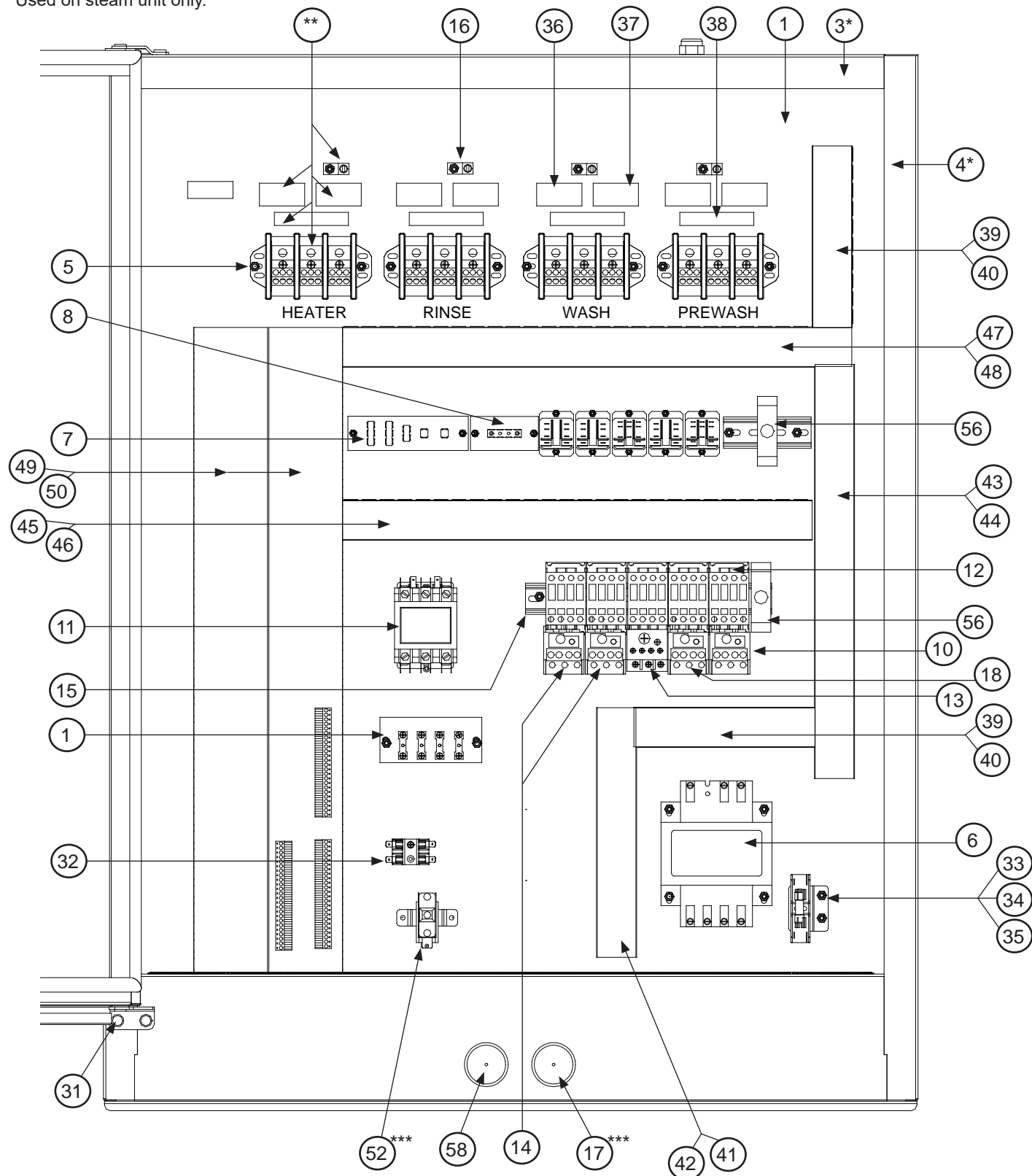


ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Adapter, Vent	05700-003-92-88
2	1	Vent Exhaust Fan	06105-002-86-46
3	1	Top Panel Handle	05700-002-67-21
4	1	End Cap Panel (Not Shown)	05700-002-70-99
5	1	Latch, Door Compression	05340-002-80-97
6	1	Lower Cover Weldment, L-R Lower Cover Weldment, R-L	05700-002-88-31 05700-002-90-50
7	38	Gasket Spacers (Not Shown)	05330-003-04-12
8	1	Frame Assembly	05700-003-05-28
9	1	Rail Addition (Not Shown)	05700-002-85-78
10	1	Rear Dress Panel Foam, Back Cover	05700-002-72-53 08115-002-71-33
11	2 per	Vent Damper (Located beneath the Exhaust Panel)	05700-002-83-78
12	1	No Pump Final Rinse Assembly	05700-003-07-15
13	1	Exhaust Panel	05700-003-93-62

*Item not shown.

**Not used on the steam unit.

***Used on steam unit only.



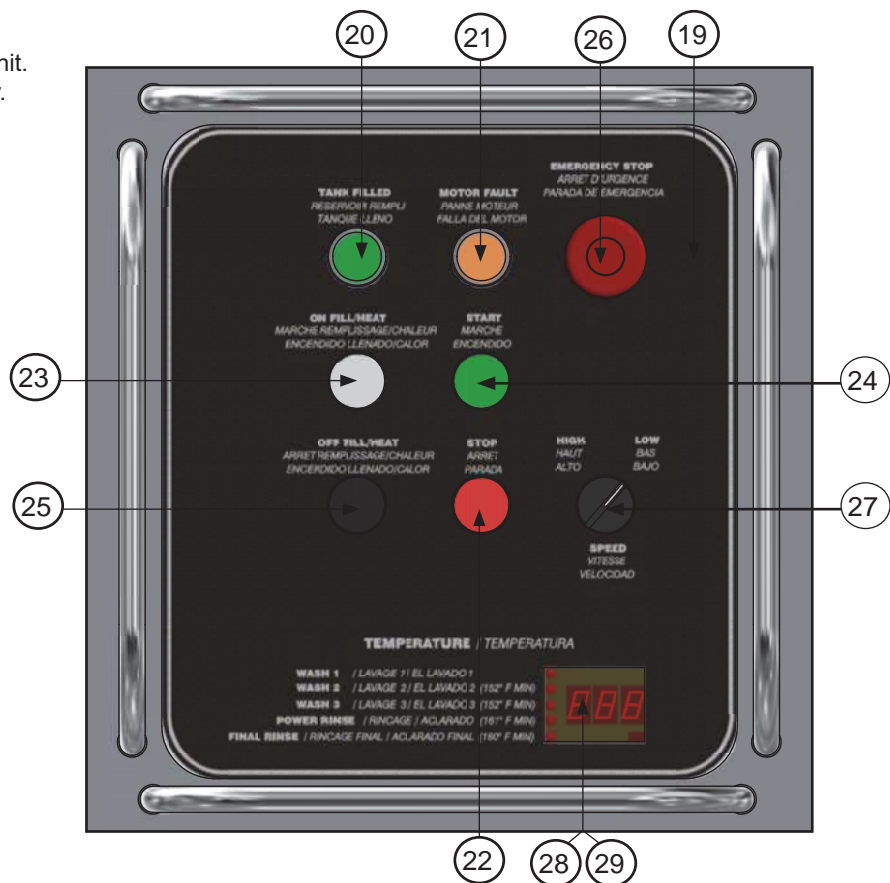
PARTS

ELECTRICAL CONTROL BOX

*Item not shown.

**Not used on the steam unit.

***Used on steam unit only.



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Terminal Board	05940-021-89-41
2	3	Relay, 2-Pole	05945-111-35-19
3*	2	Seal, Electrical Box Short (Not Shown)	05700-002-86-48
4*	2	Seal, Electrical Box Long (Not Shown)	05700-002-86-49
5	4	Block (Only 3 used on JFT-S)	05940-011-48-27
6	1	Transformer, 115-208 V Transformer, 240/480 V	05950-002-95-32 05950-002-46-10
7	1	Terminal Board	05940-002-78-97
8	1	Terminal Board, 8-Position	05940-021-94-85
9	2	Relay, 3-Pole	05945-111-72-51
10	1	See Motor Overloads Page	N/A
11**	1	Contactor, 3-Pole, 50 A (JFT Only)	05945-002-24-70
12	5	Contactor, Wash Motor	05945-111-68-38
13	1	See Motor Overloads Page	N/A
14	2	See Motor Overloads Page	N/A

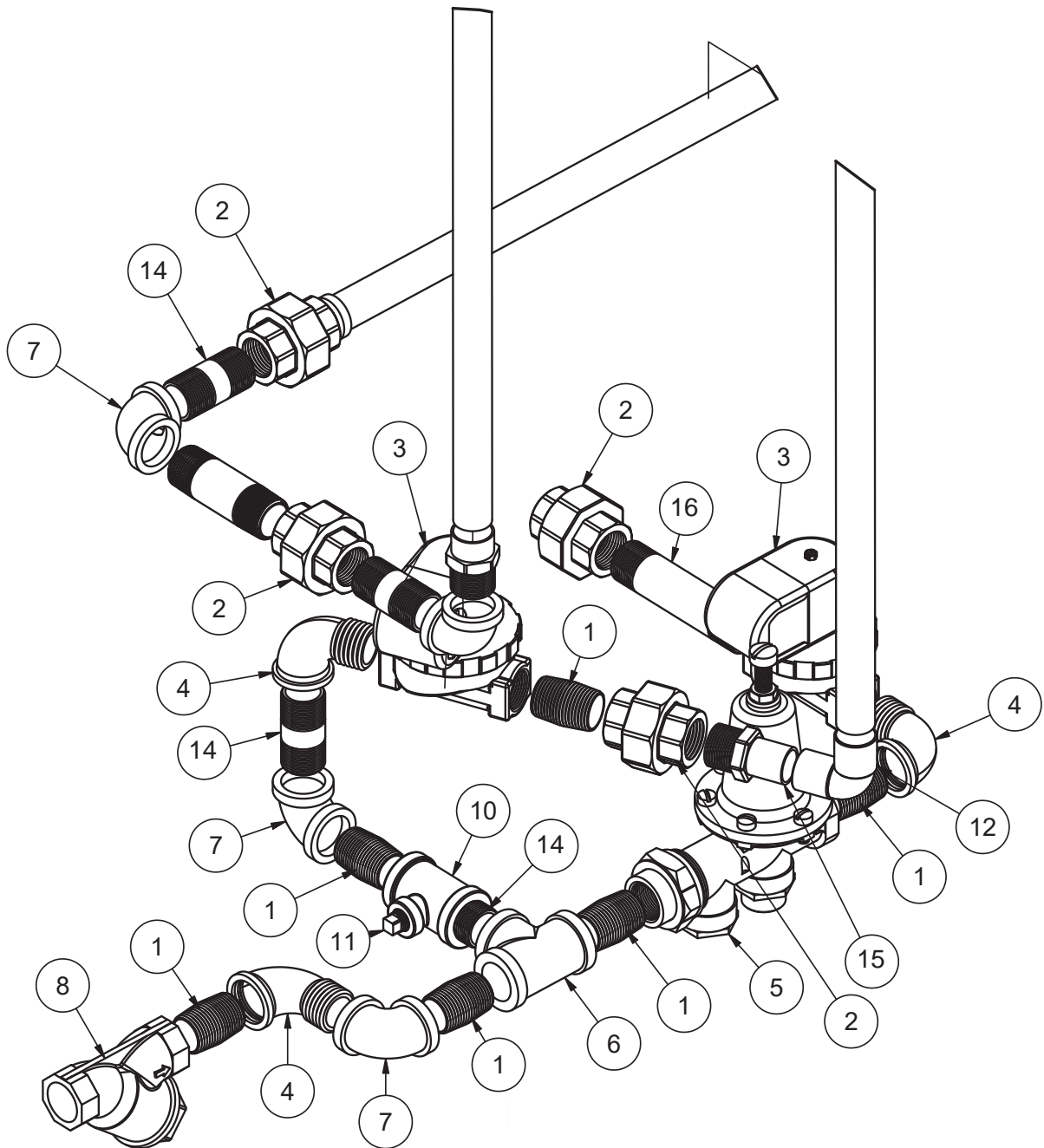
ITEM	QTY	DESCRIPTION	PART NUMBER
15	1	Din Rail, 10 7/8"	05700-002-93-96
16	4	Ground Lug (Only 3 used on JFT-S)	05940-200-76-00
17***	1	Steam Pressure Gauge, 0-60 PSI	06685-002-93-43
18	1	See Motor Overloads Page	N/A
19	1	Decal, Flight Control Panel (Not Shown)	09905-002-97-87
20	1	Light, Green	05945-002-80-79
21	1	Light, Amber	05945-002-80-83
22	1	Switch, Stop	05930-002-80-73
23	1	Switch, ON/FILL Heat	05930-002-80-59
24	1	Switch, Start	05930-002-80-60
25	1	Switch, OFF/FILL Heat	05930-002-80-69
26	1	Switch, Emergency Stop	05930-002-80-72
27	1	Switch, Speed	05930-002-80-74
28	1	Gauge, Cyclic (Temperature)	06685-002-74-86
29	1	Gauge Cover	05700-002-75-62
30	1	Hinge, Upper Control Box	05700-002-70-45
31	1	Hinge, Lower Control Box	05700-002-71-59
32	1	Fuse Holder	05920-401-03-14
33	1	Bracket, Circuit Breaker Mounting	05700-002-91-66
34	1	Fuse Holder	05920-011-72-89
35	1	Fuse, 2 A, 460 V (208-240 V Units) Fuse, 1 A, 460 V (460-600 V Units)	05920-002-67-30 05920-002-67-23
36	4	Decal, Connection Point Caution (Only 3 used on JFT-S)	09905-002-87-00
37	4	Decal, Connection Point Wiring (Only 3 used on JFT-S)	09905-002-87-01
38	4	Decal, L1, L2, L3 (Only 3 used on JFT-S)	09905-101-12-66
39	2	Top, Panduit 1 1/2" x 8"	05700-002-87-28
40	2	Bottom, Panduit 1 1/2" x 8"	05700-002-91-61
41	1	Top, Panduit 1 1/2" x 11"	05700-002-87-27
42	1	Bottom, Panduit 1 1/2" x 11"	05700-002-87-26
43	1	Top, Panduit 1 1/2" x 18 1/4"	05700-002-91-62
44	1	Bottom, Panduit 1 1/2" x 18 1/4"	05700-002-91-63

ITEM	QTY	DESCRIPTION	PART NUMBER
45	1	Top, Panduit 1 1/2" x 20 3/4"	05700-002-87-24
46	1	Bottom, Panduit 1 1/2" x 20 3/4"	05700-002-87-25
47	1	Top, Panduit 1 1/2" x 22 1/2"	05700-002-87-23
48	1	Bottom, Panduit 1 1/2" x 22 1/2"	05700-002-87-20
49	2	Top, Panduit 3" x 28"	05700-002-87-30
50	2	Bottom, Panduit 3" x 28"	05700-002-87-29
51	1	Key, Control Box 5/16" Hex	05340-002-94-50
52***	1	Thermostat, Corkscrew (Placed in control box in upside-down position)	06680-500-01-77
53*	3	Plug, Female, 24-Position	05935-002-93-15
54*	1	Transformer, 600-208 V, 3 KVA, 600 V unit (Used for the drive, blower, and exhaust fan)	05950-002-94-68
55*	1	Transformer, 600-120 V, .5 KVA, 600 V unit (Used for controls)	05950-002-94-98
56	2 1	Delay Timer (3 for a unit with a blower) Din Rail	05945-004-22-78 05700-002-16-00
57*	1	Grommet Assembly, 34 1/2"	05700-003-12-00
58	1	Water Pressure Gauge, 0-100 PSI	06680-011-86-42
59*	1	Brace, Control Box Door	05700-003-24-58
60*	4	Button Guard, Control Box	05700-003-23-24

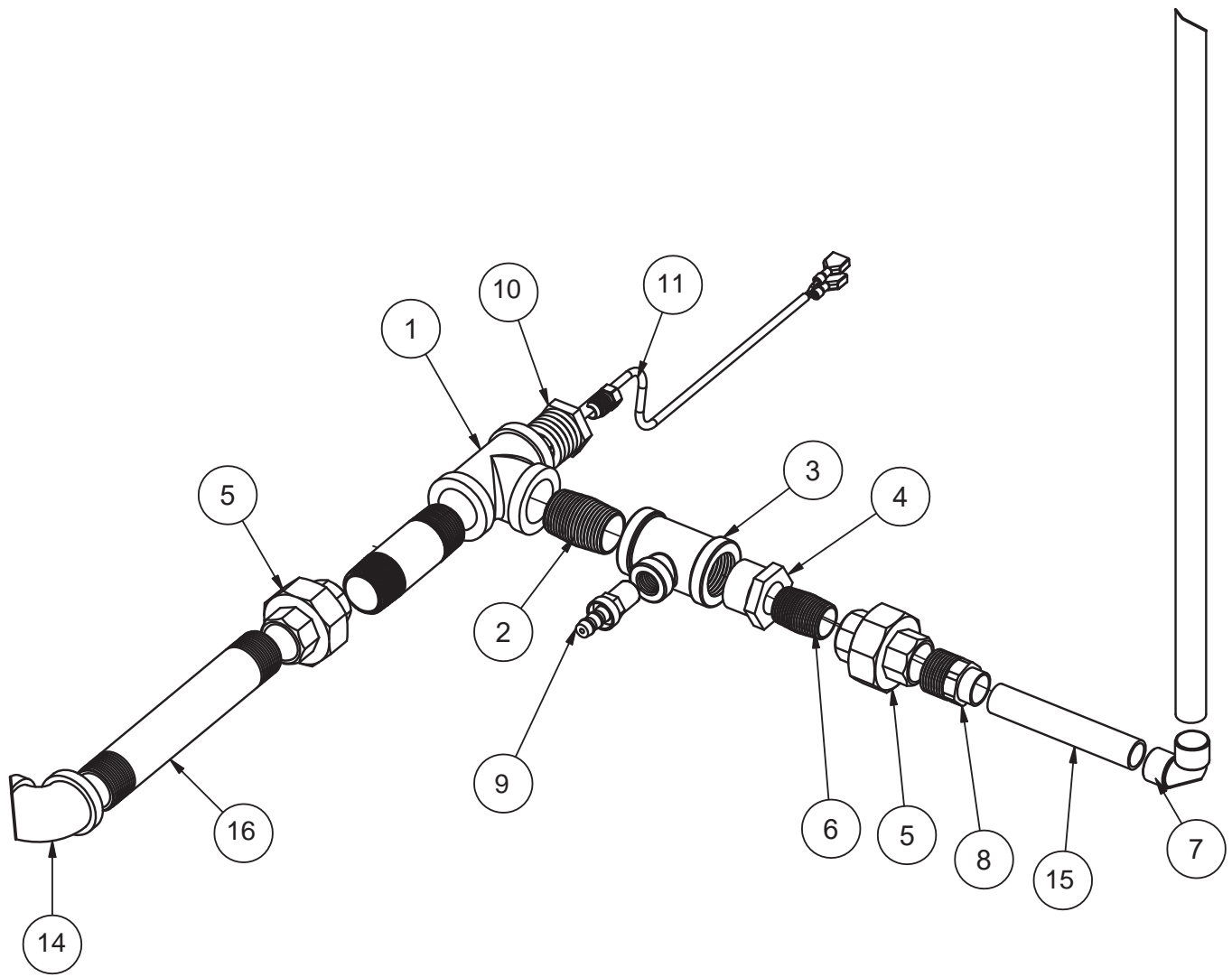
*Item not shown.

**Not used on the steam unit.

***Used on steam unit only.



ITEM	QTY	DESCRIPTION	PART NUMBER
1	6	Nipple, 3/4" x 1 3/8" Closed Brass	04730-207-34-00
2	4	Union, 3/4" Brass	04730-212-05-00
3	2	Solenoid Valve, 3/4" 110 V	04810-100-53-00
4	3	Elbow, 3/4" 90-degree Street Brass	04730-206-04-34
5	1	Pressure Regulator, 3/4"	06685-011-58-22
6	1	Tee, 3/4" x 3/4" x 3/4" Brass	04730-211-01-34
7	4	Elbow, 3/4" 90-degree Brass	04730-206-13-00
8	1	Y-strainer, 3/4" Brass	04730-717-02-06
9	1	Nipple, 3/4" x 3"	04730-011-38-29
10	1	Tee, 3/4" x 3/4" x 1/4" Brass	04730-211-04-00
11	1	Plug, 1/4"	04730-209-01-00
12	2	Elbow, 3/4" Female	04730-406-16-01
13	3	Adapter, 3/4" Female	04730-401-11-01
14	4	Nipple, 3/4" x 2" Brass	04730-207-46-00
15	1	Adapter, 3/4" Male	04730-401-10-01
16	1	Nipple, 3/4" x 4"	04730-207-05-00



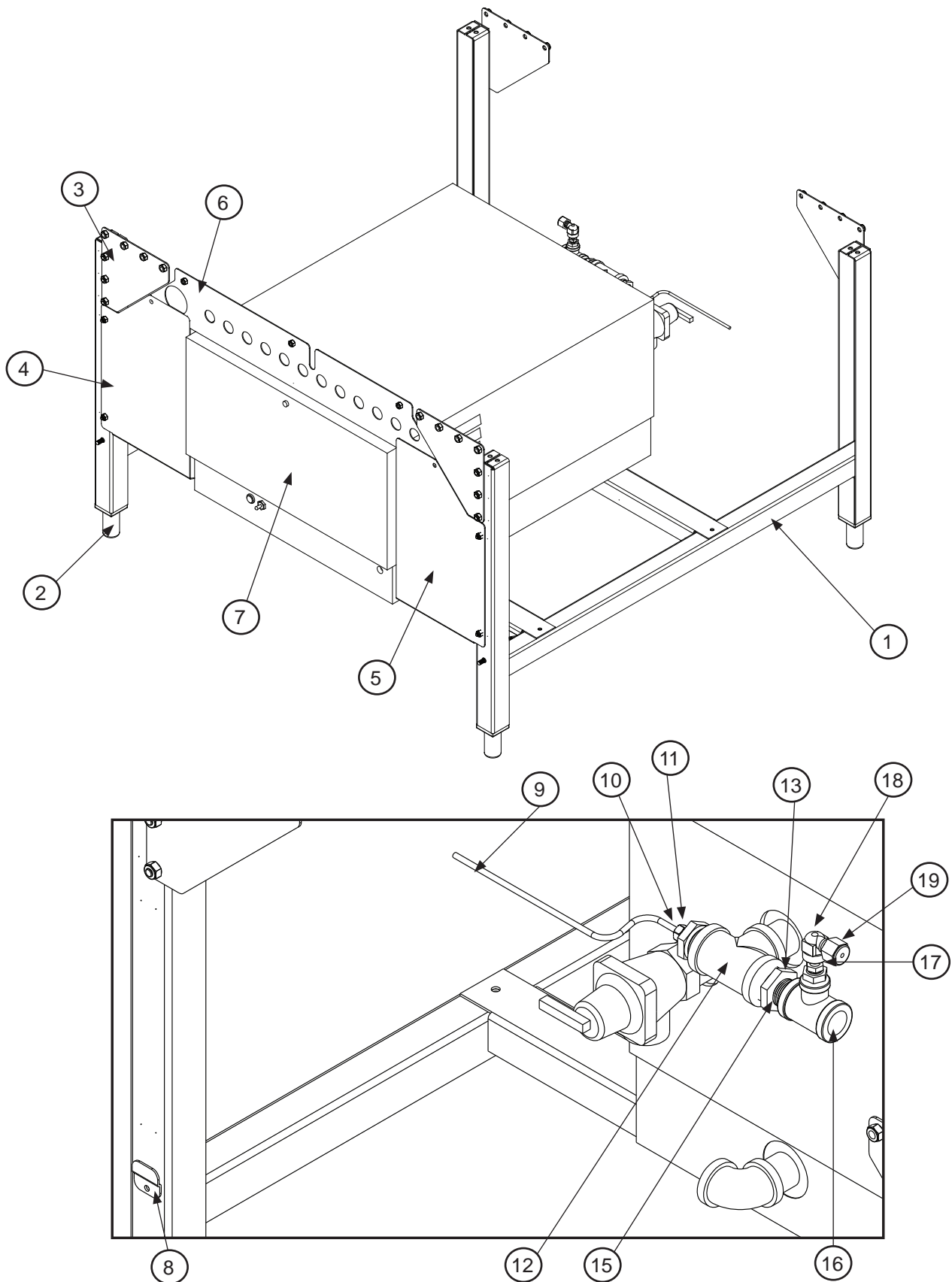
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Tee, 3/4" x 3/4" x 3/4" Brass	04730-211-01-34
2	1	Nipple, 3/4" x 1 3/8" Closed Brass	04730-207-34-00
3	1	Tee, 3/4" x 3/4" x 1/4" Brass	04810-100-53-00
4	1	Bushing, Hex 3/4" to 1/2" Brass	04730-002-56-27
5	2	Union, 1/2" x 1/2" Brass	04730-003-62-44
6	1	Nipple, 1/2" Close Brass	04730-207-15-00
7	1	Elbow, 1/2"	04730-406-01-01
8	1	Adapter, 1/2" Male	04730-401-03-01
9	1	Fitting, 1/4" Barb, 1/4" Swivel	04730-011-95-41
10	1	Fitting, Thermostat Booster	05700-002-93-74
11	1	Probe, Temperature	06680-002-16-80
12	1	Fitting, 1/4" Brass Nut/Sleeve (Not Shown)	05310-924-02-05
13	1	Nipple, 3/4" x 3" (Not Shown)	04730-011-38-29
14	1	Elbow, 3/4" 90-degree Brass	04730-206-13-00
15	1	Copper Pipe, 1/2" x 3 1/2"	05700-003-37-23
16	1	Nipple, 3/4" x 6" Brass	05700-001-26-74

<u>JFT</u>	<u>Prewash Motor</u>	<u>Wash Motor</u>	<u>Rinse Motor</u>	<u>Optional Final Rinse Motor</u>
208 V, 60 Hz, 3 PH	05945-011-84-59	05945-011-84-59	05945-111-68-40	05945-111-68-41
240 V, 60 Hz, 3 PH	05945-011-84-59	05945-011-84-59	05945-111-68-40	05945-111-68-41
460 V, 60 Hz, 3 PH	05945-111-68-40	05945-111-68-40	05945-111-68-41	05945-111-69-13
600 V, 60 Hz, 3 PH	05945-111-69-13	05945-111-69-13	05945-111-69-12	05945-111-68-39

<u>JFT</u>	<u>Drive Motor</u>	<u>Exhaust Fan Motor</u>	<u>Blower Dryer Motor</u>
208 V, 60 Hz, 3 PH	05945-111-69-13	05945-111-68-39	05945-111-68-40
240 V, 60 Hz, 3 PH	05945-111-69-13	05945-111-68-39	05945-111-68-40
460 V, 60 Hz, 3 PH	05945-002-71-09	05945-111-69-12	05945-111-68-41
600 V, 60 Hz, 3 PH	05945-111-68-39	05945-111-68-39	05945-111-68-40

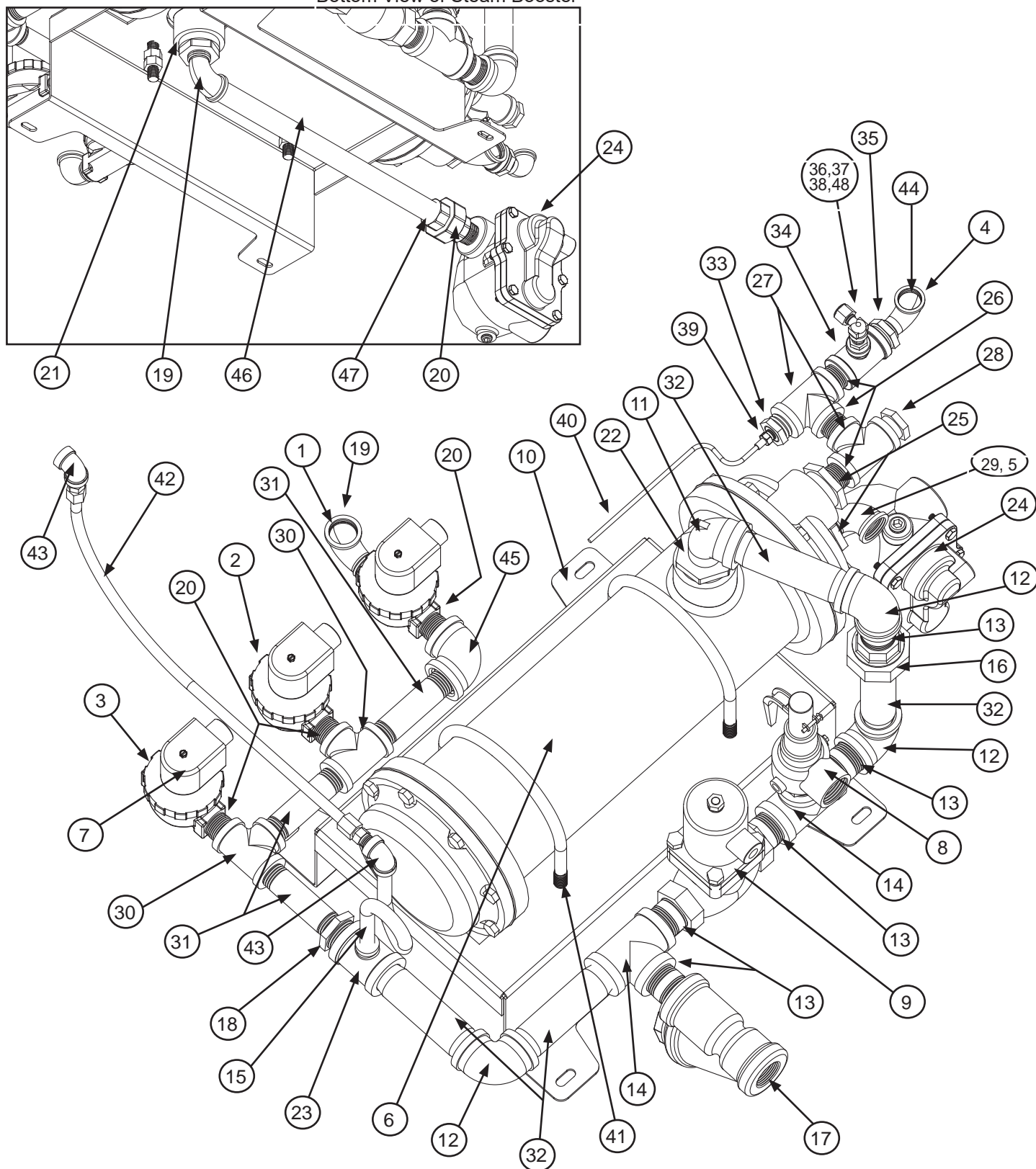
<u>JFT-S</u>	<u>Prewash Motor</u>	<u>Wash Motor</u>	<u>Rinse Motor</u>	<u>Optional Final Rinse Motor</u>
208 V, 60 Hz, 3 PH	05945-011-84-59	05945-011-84-59	05945-111-68-40	05945-111-68-41
240 V, 60 Hz, 3 PH	05945-011-84-59	05945-011-84-59	05945-111-68-40	05945-111-68-41
460 V, 60 Hz, 3 PH	05945-111-68-40	05945-111-68-40	05945-111-68-41	05945-111-69-13
600 V, 60 Hz, 3 PH	05945-111-69-13	05945-111-69-13	05945-111-69-12	05945-111-68-39

<u>JFT-S</u>	<u>Drive Motor</u>	<u>Exhaust Fan Motor</u>	<u>Blower Dryer Motor</u>
208 V, 60 Hz, 3 PH	05945-111-69-13	05945-111-68-39	05945-111-68-40
240 V, 60 Hz, 3 PH	05945-111-69-13	05945-111-68-39	05945-111-68-40
460 V, 60 Hz, 3 PH	05945-002-71-09	05945-111-69-12	05945-111-68-41
600 V, 60 Hz, 3 PH	05945-111-69-13	05945-111-68-39	05945-111-68-40



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Stand	05700-002-70-51
2	4	Adjustable Foot	05340-108-02-06
3	4	Support Bracket	05700-002-64-07
4	1	Panel, Dryer Lower Left	05700-002-72-04
5	1	Panel, Dryer Lower Right	05700-002-90-40
6	1	Bracket, Conduit Electrical Section	05700-002-86-96
7	1	Heater, 27 kW, 208 V, 3 PH Booster Heater, 27 kW, 240 V, 3 PH Booster Heater, 27 kW, 460 V, 3 PH Booster Heater, 45 kW, 600 V, 3 PH Booster	04540-500-10-00 04540-500-02-00 04540-500-12-00 04540-002-94-73
8	2	Clip, Panel	05700-002-90-41
9	1	Temperature Probe	06680-002-16-80
10	1	Fitting, Imperial Brass	05310-924-02-05
11	1	Fitting, Thermostat Booster Heater	05700-002-93-74
12	1	Tee, 3/4" x 3/4" x 3/4" Brass	04730-211-01-34
13	1	Bushing, Hex 3/4" to 1/2" Brass	04730-002-56-27
14	1	Nipple, Close 1/2" Brass	04730-207-15-00
15	1	Tee, 1/2" x 1/2" x 1/4" Brass	04730-002-22-56
16	1	Bushing, 1/4" x 1/8" Stainless	04730-003-05-61
17	1	Valve, Check	04820-111-51-14
18	1	Outlet Elbow Fitting	04820-111-51-18
19	1	Nut for 1/8" Tubing	04730-011-59-45
20	1	Elbow, 3/4" 90-degree Brass	04730-206-13-00

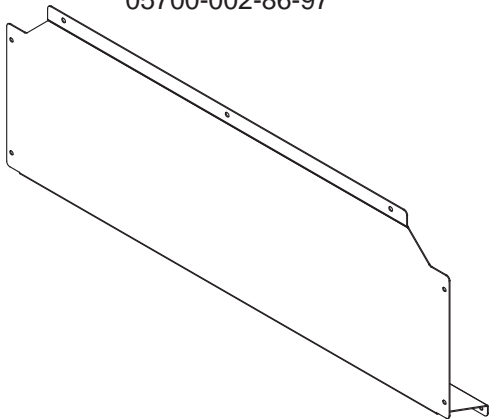
Bottom View of Steam Booster



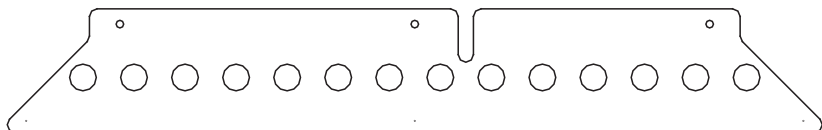
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Hose Assembly, 34" Supply (Not Shown)	05700-002-87-99
2	1	Hose Assembly, 65" Wash Steam Coil Supply (Not Shown)	05700-002-88-00
3	1	Hose Assembly, 21" Power Rinse Steam Coil Supply (Not Shown)	05700-002-88-01
4	1	Hose Assembly, 1/2" x 50" Final Rinse (Not Shown)	05700-002-88-02
5	1	Hose Assembly, 109" Booster Heater Supply (Not Shown)	05700-002-88-05
6	1	Heat Exchanger, Steam	04420-002-43-94
7	3	Valve, Solenoid, Steam 120 V, 3/4"	04820-011-87-39
8	1	Valve, Safety Relief, 1"	04820-100-01-35
9	1	Valve, Solenoid, 1"	04810-002-92-23
10	1	Bracket, Steam Support	05700-002-86-93
11	1	Elbow, Street, 1" Black Iron	04730-002-86-58
12	3	Elbow, 1" 90-degree Black Iron	04730-906-03-34
13	5	Nipple, 1" Close Black Iron	04730-907-08-34
14	2	Tee, 1" x 1" x 1", Black Iron	04730-911-01-34
15	1	Nipple, Pigtail, 1/4" Black Iron	04730-907-14-34
16	1	Union, 1" Black Iron	04730-912-01-34
17	1	Y-strainer, 1" Black Iron	04730-217-02-32
18	1	Reducer, 1" to 3/4"	04730-011-95-66
19	2	Elbow, 3/4" 90-degree Street	04730-011-87-37
20	4	Nipple, Close 3/4" Black Iron	04730-907-01-00
21	1	Bushing, 1 1/2" x 3/4" Black Iron	04730-002-36-81
22	1	Bushing, 1 1/2" to 1" Black Iron	04730-002-36-79
23	1	Tee, 1" x 1" x 1/4" Black Iron	04730-911-01-00
24	1	Steam Trap, 3/4"	06680-500-02-77
25	2	Bushing, Hex 1 1/4" 3/4" Reducer	04730-011-88-80
26	3	Nipple, 3/4" Close Brass Nipple	04730-207-34-00
27	2	Tee, 3/4" x 3/4" x 3/4" Brass	04730-211-01-34
28	1	Bushing, 3/4" to 3/8" Brass	04730-011-89-19
29	1	Elbow, 3/4" Street Brass 90-degree	04730-206-04-34
30	2	Tee, 3/4" x 3/4" x 3/4" Black Iron	04730-002-74-14
31	3	Nipple, 3/4" x 4" Black Iron	04730-907-02-34

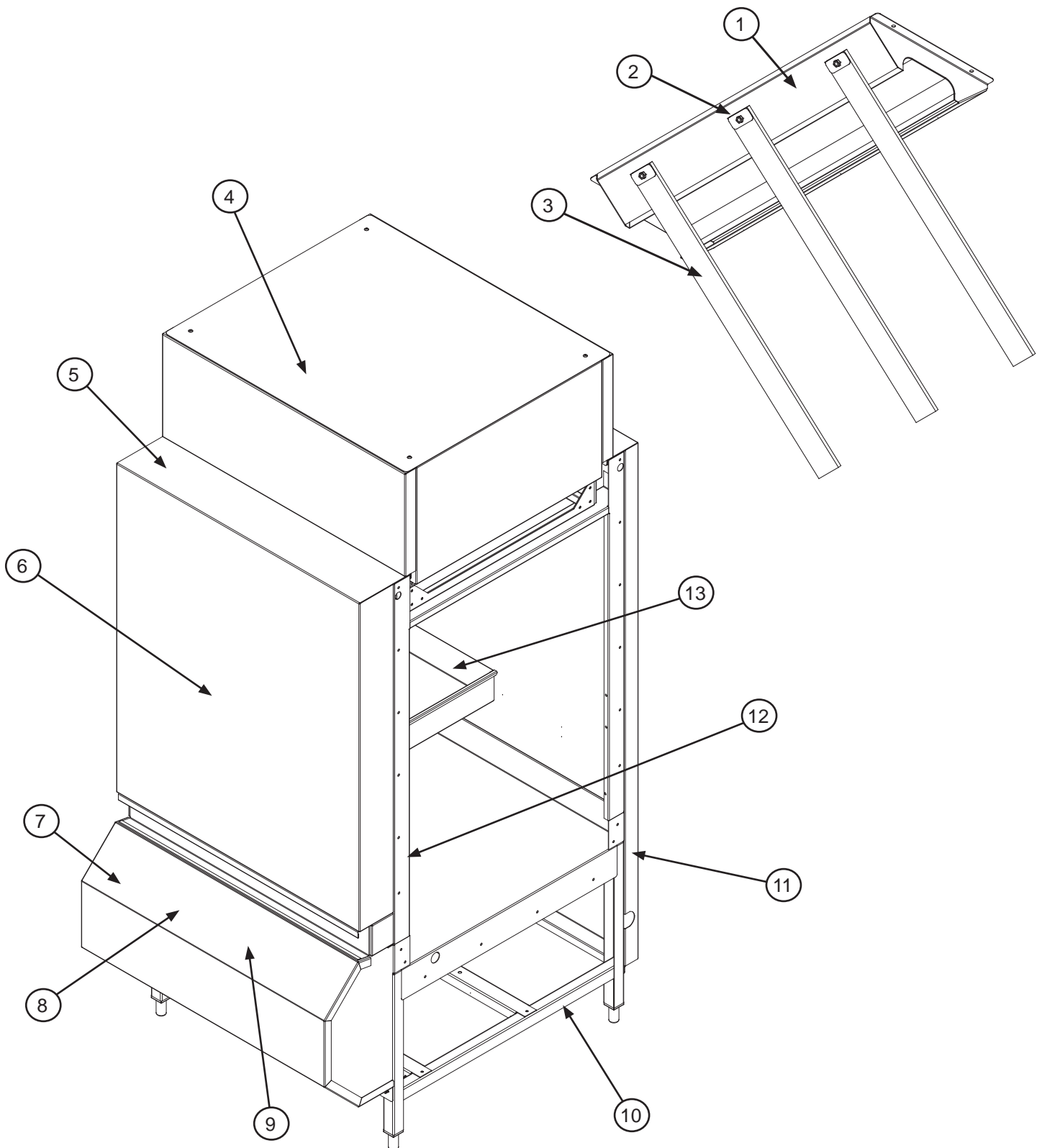
ITEM	QTY	DESCRIPTION	PART NUMBER
32	4	Nipple, 1" x 4", Black Iron	04730-907-09-34
33	1	Fitting, Thermostat	05700-002-93-74
34	1	Tee, 3/4" x 3/4" x 1/4" Brass	04730-211-04-00
35	1	Bushing, Hex 3/4" to 1/2" Brass	04730-002-56-27
36	1	Valve, Check	04820-111-51-14
37	1	Nut for 1/8" Tubing	04730-011-59-45
38	1	Fitting, Outlet Elbow	04820-111-51-18
39	1	Fitting, 1/4" Imperial Brass	05310-924-02-05
40	1	Probe, Temperature	06680-002-16-80
41	2	Bolt, U-type, 1/2-13	05306-002-89-27
42	1	Hose, Braid	04720-002-93-78
43	2	Elbow, 90-degree 1/4" Black Iron	04730-002-87-10
44	1	Elbow, 90-degree 1/2" Street	04730-206-08-00
45	1	Elbow, 90-degree 3/4" Black Iron	04730-906-10-34
46	1	Nipple, 3/4" x 14 3/4", Black Iron	05700-002-21-22
47	1	Union, 3/4" Black Iron	04730-912-01-00
48	1	Bushing, 1/4" x 1/8" Stainless	04730-003-05-61

Panel, Lower Steam Electric Section
05700-002-86-97

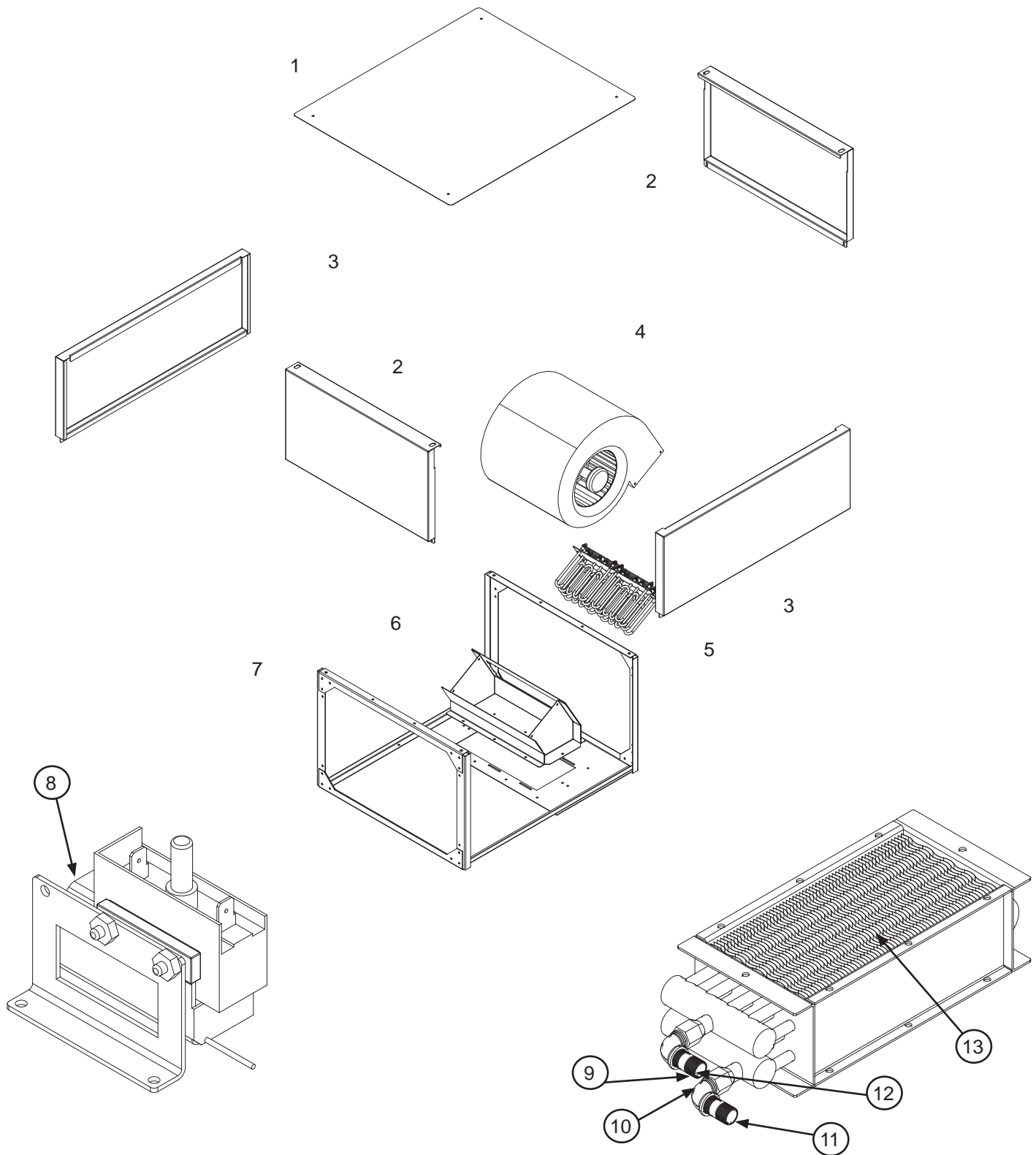


Panel, Lower Steam Electric Section
05700-002-86-97



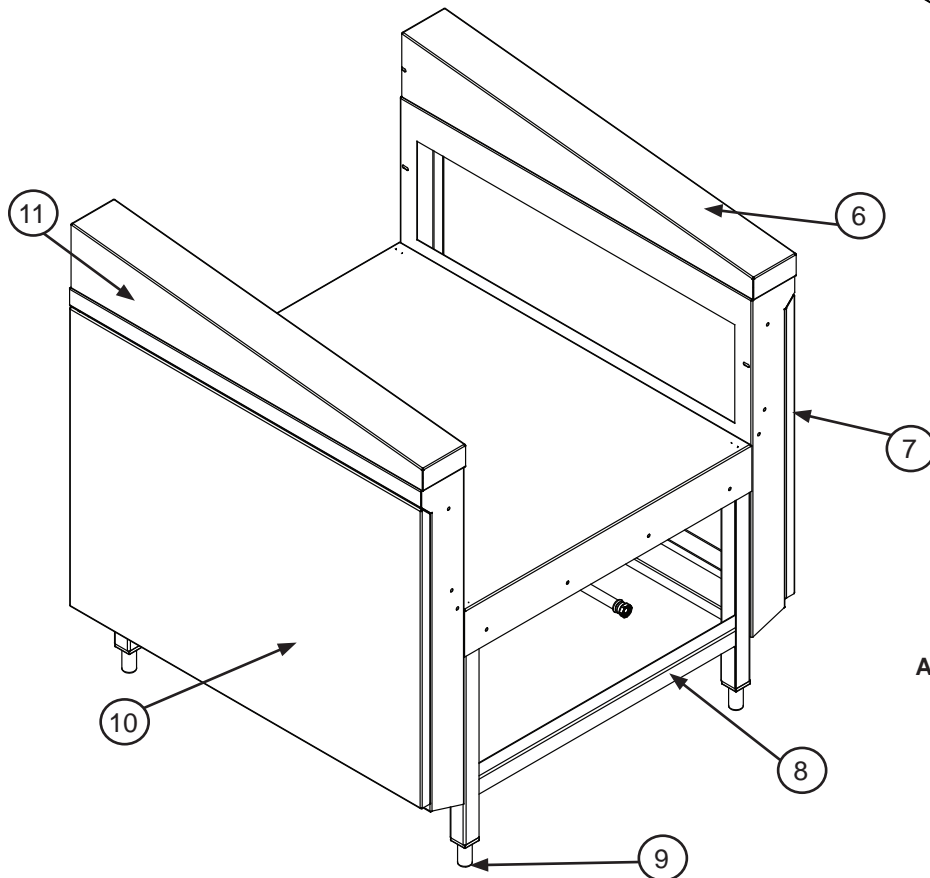
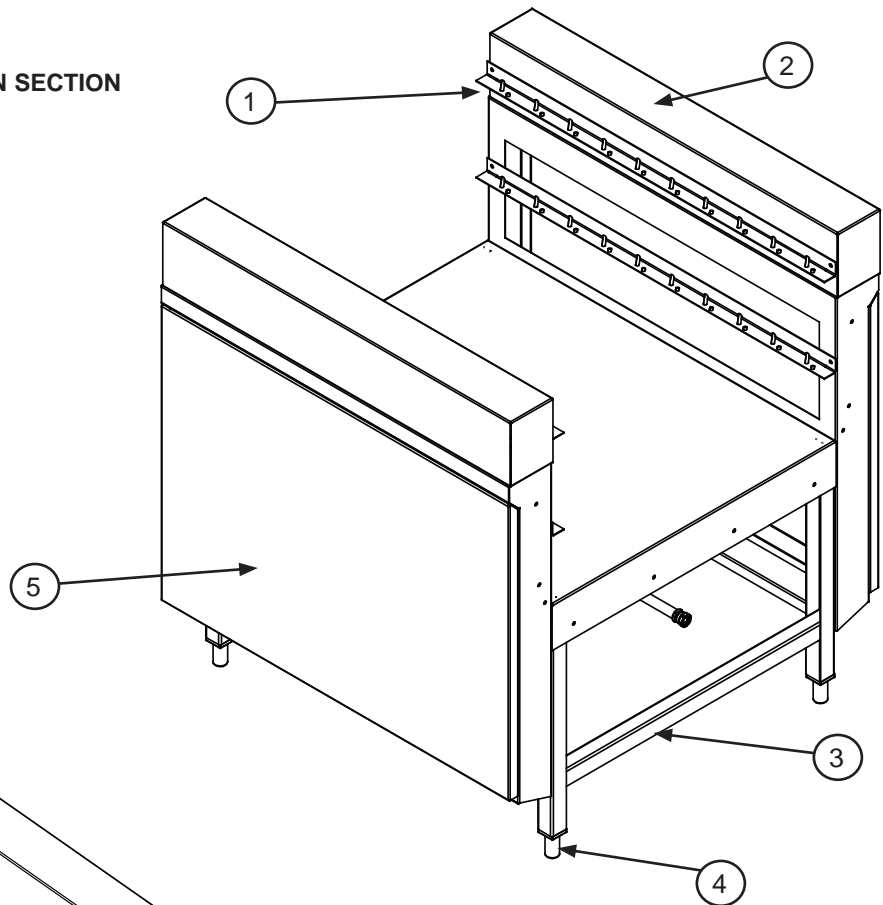


ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Blower Air Knives Box	05700-002-72-78
2	3	Stabilizer Bracket	05700-003-04-44
3	3	Dish Stabilizers	05330-003-04-43
4	1	Blower Assembly, JFT Blower Assembly, JFT-S	05700-002-70-21 05700-002-76-86
5	1	Front Panel	05700-002-88-26
6	1	Hose, Blower Section Inlet Assembly (JFT-S Only) (Not Shown)	05700-002-87-98
6a	3	Nipple, Close 3/4" Black Iron (JFT-S Only) (Not Shown)	04730-907-01-00
6b	2	Elbow, 3/4" 90-degree, Black Iron (JFT-S Only) (Not Shown)	04730-011-87-37
7	1	Lower Cover Weldment, L-R Lower Cover Weldment, R-L	05700-002-88-31 05700-002-90-50
8	1	Steam Trap (JFT-S Only) (Not Shown)	06680-002-86-73
9	1	Hose, Blower Steam Trap Assembly (JFT-S Only) (Not Shown)	05700-002-87-97
10	1	Frame Assembly	05700-002-86-26
11	1	Cover, Back	05700-002-64-41
12	2	Rail Addition (Not Shown)	05700-002-85-78
13	1	Baffle, Lower Blower Air	05700-002-84-92



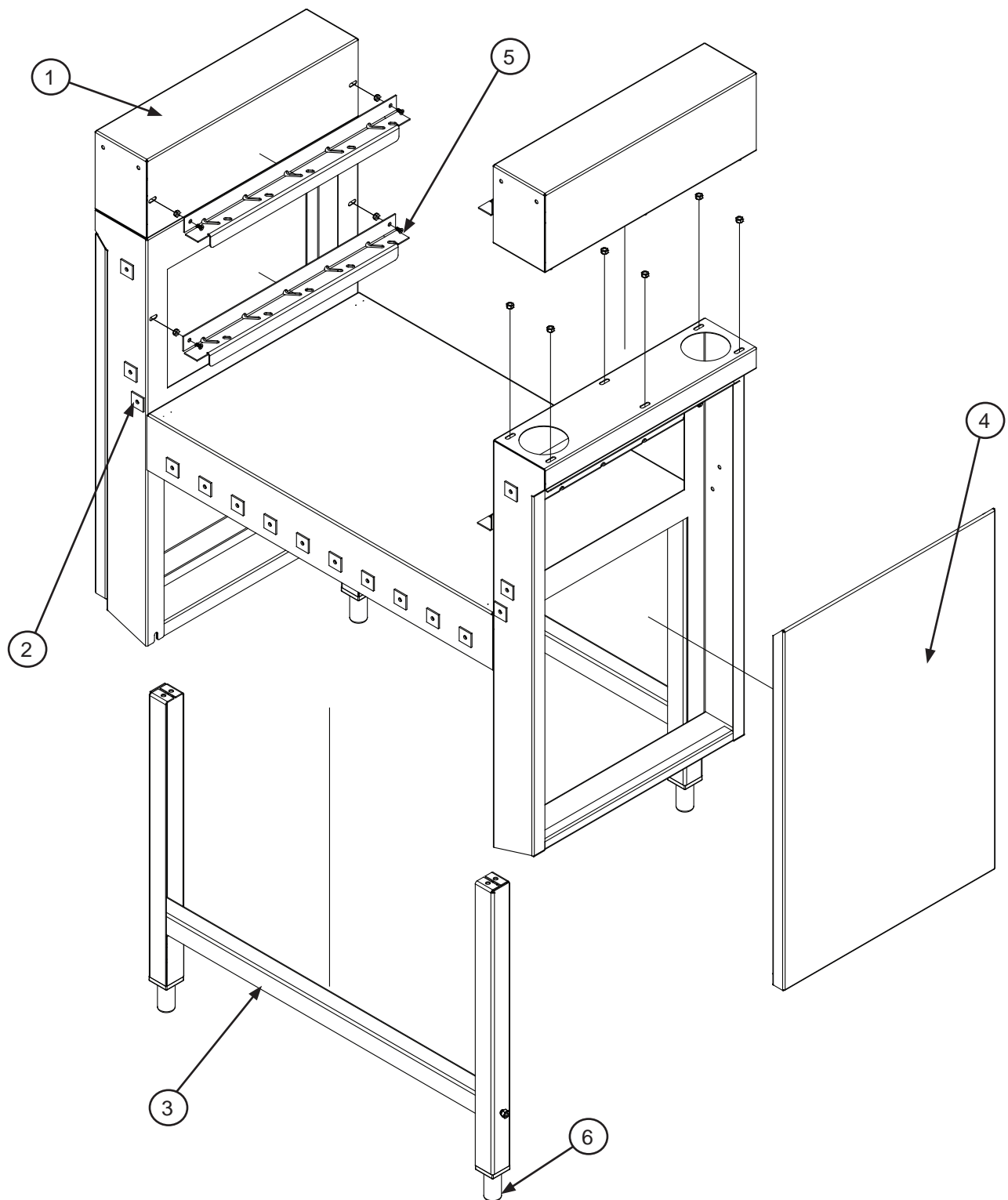
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Panel, Blower Dryer Top	05700-002-72-00
2	1	Panel, Blower Dryer Side	05700-002-71-99
3	1	Panel, Blower Dryer Front and Back	05700-002-71-98
4	1	Blower, 208-230/600 V, 60 Hz, Dual Cage Blower, 460 V, 60 Hz, Dual Cage	06105-002-72-15 06105-002-88-36
5	1	JFT Heater, 4.5 kW, 208 V, Blower Air JFT Heater, 4.5 kW, 240 V, Blower Air JFT Heater, 4.5 kW, 460 V, Blower Air JFT Heater, 4.5 kW, 600 V, Blower Air	04540-002-74-29 04540-002-87-79 04540-002-91-60 04540-002-90-30
6	1	Blower Dryer Heater Box, JFT Blower Dryer Heater Box, JFT-S	05700-002-72-14 05700-002-76-85
7	1	Frame, Blower Dryer Support Assembly	05700-002-84-68
8	1	High Limit Thermostat	05930-002-83-31
		The JFT-S uses the following components in place of the heaters used on the JFT:	
9	2	Nipple, 3/4" x 2" Brass Heat Exchanger	04730-002-90-27
10	2	Elbow, 3/4" 90-degree, Brass Heat Exchanger	04730-206-04-34
11	1	Hose Assembly, Outlet	05700-002-87-95
12	1	Hose Assembly, Inlet	05700-002-87-96
13	1	Heat Exchanger, Blower	04420-002-76-68

STRAIGHT EXPANSION SECTION

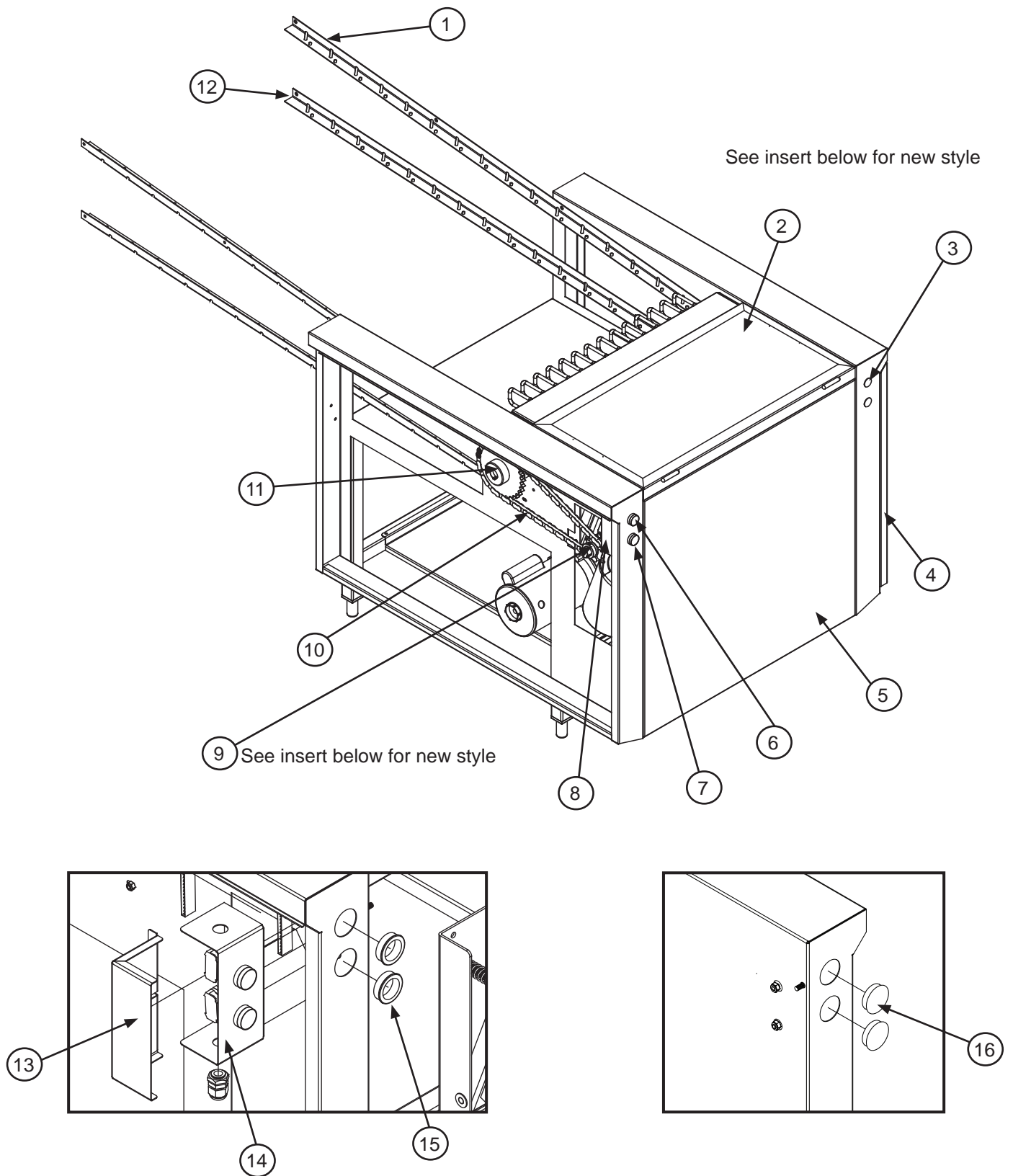


ANGLED EXPANSION SECTION

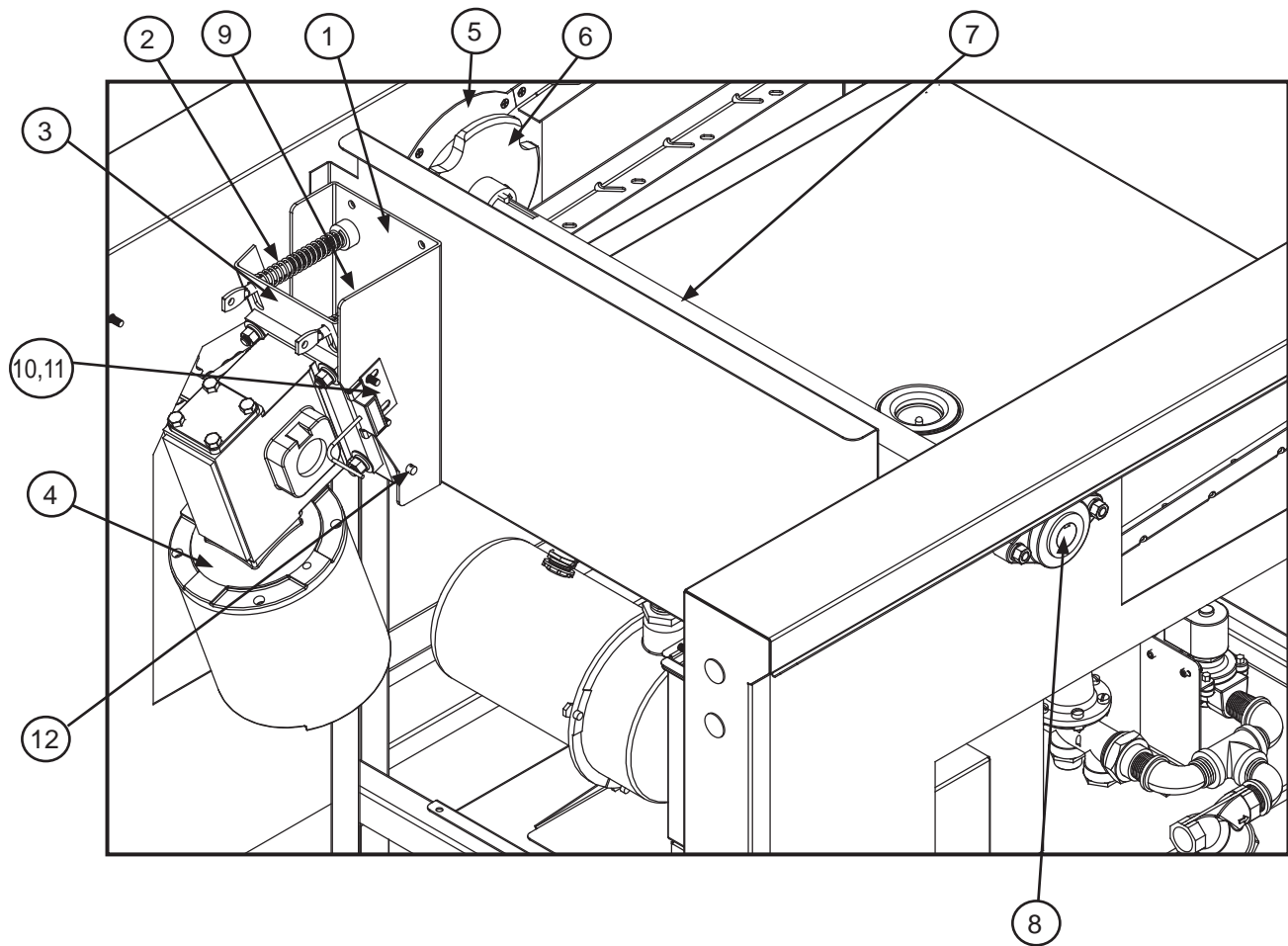
ITEM	QTY	DESCRIPTION	PART NUMBER
1	4	Rail, Lower	05700-002-65-07
2	2	Rail Guard, Upper	05700-002-85-58
3	2	Frame Assembly Frame Weldment	05700-002-86-07 05700-002-67-84
4	2	Adjustable Foot	05340-108-02-06
5	2	Panel, Dress Assembly	05700-002-83-95
6	1	Rail Guard Angled	05700-002-85-55
7	1	Panel, Dress	05700-002-85-52
8	2	Frame Assembly Frame Weldment	05700-003-99-22 05700-002-67-84
9	2	Adjustable Foot	05340-108-02-06
10	1	Panel, Dress	05700-002-83-95
11	1	Rail Guard Angled	05700-002-85-55



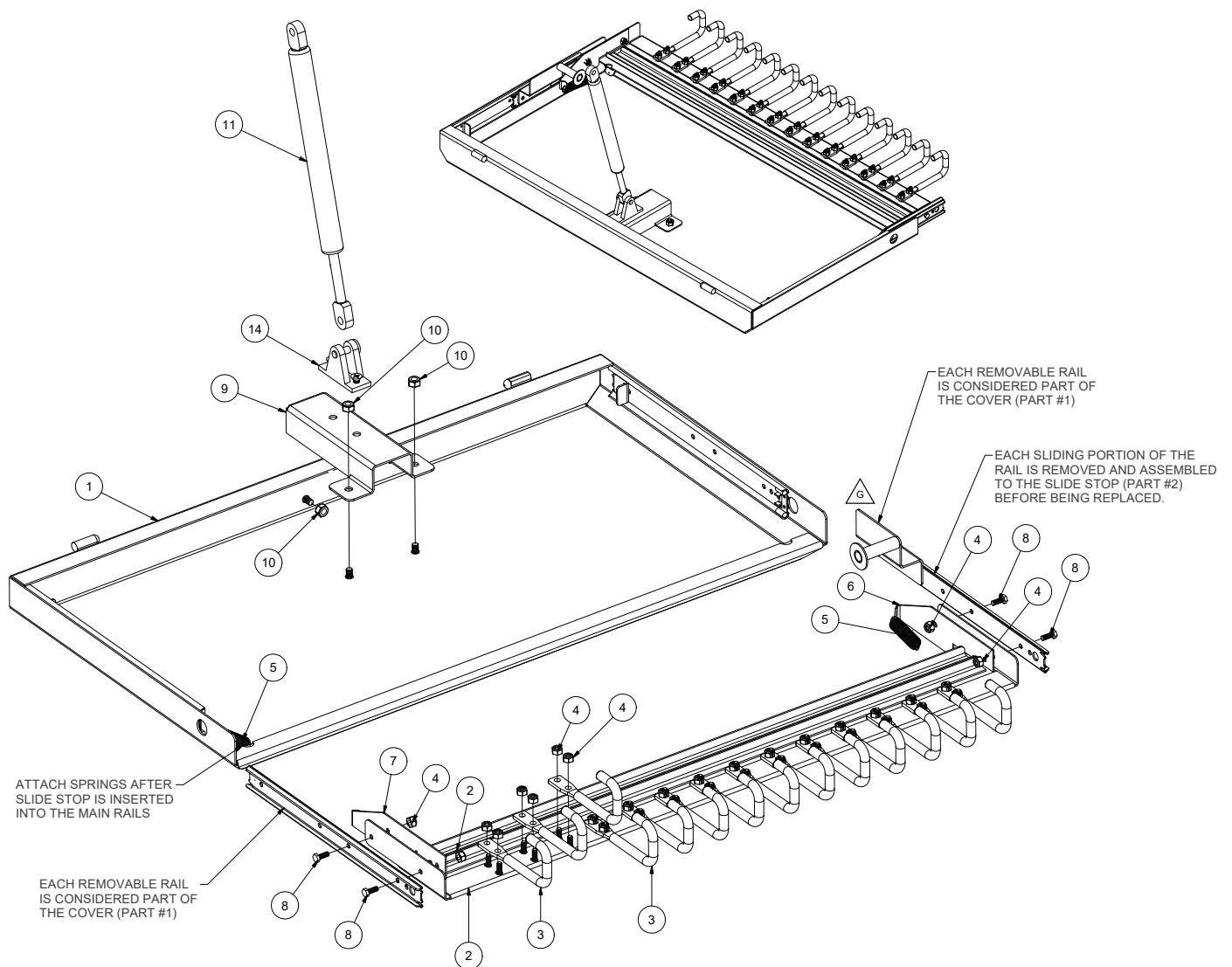
ITEM	QTY	DESCRIPTION	PART NUMBER
1	2	Rail Guard, Upper	05700-003-15-53
2	16	Gasket Spacer	05330-003-04-12
3	2	Frame Assembly Frame Weldment	05700-003-99-22 05700-002-67-84
4	1	Panel, Dress	05700-003-15-42
5	4	Rail, Expansion Straight 18"	05700-003-15-54
6	2	Adjustable Foot	05340-108-02-06



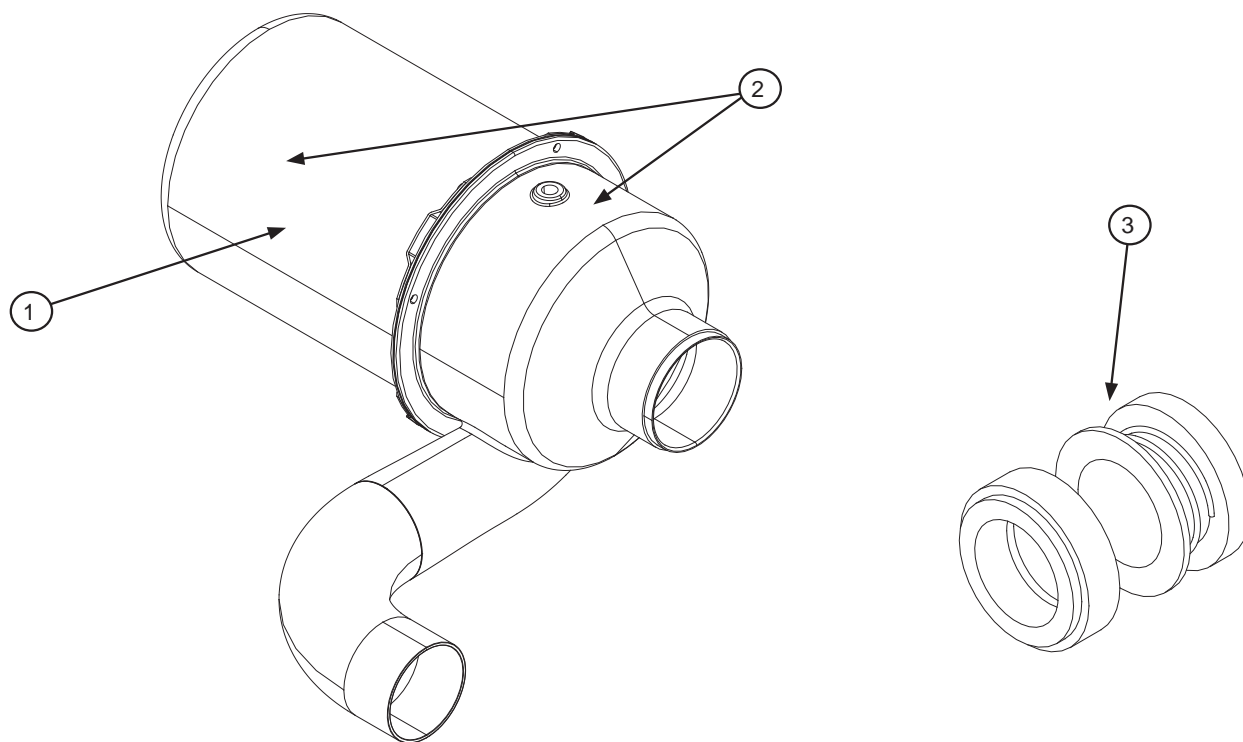
ITEM	QTY	DESCRIPTION	PART NUMBER
1	2	Rail, Upper Front	05700-003-91-66
2	1	Slide Stop Assembly	05700-002-82-16
2a	1	Cover (Not Shown)	05700-002-82-15
2b	1	Slide Stop (Not Shown)	05700-002-82-14
2c	14	Slide Stop Finger (Not Shown)	05700-003-57-13
2d	2	Spring (Not Shown)	05340-002-90-39
2e	1	Bracket, Right (Not Shown)	05700-002-97-54
2f	1	Bracket, Left (Not Shown)	05700-002-97-55
3	2	Heyco Plug	05975-011-47-81
4	2	Panel, Dress	05700-002-83-95
5	1	Panel, End	05700-002-84-65
6	1	Switch, Green Start	05930-002-80-60
7	1	Switch, Red Stop	05930-002-80-73
8	7	Cover, Switch	05700-003-09-10
9	1	Belt, Gear Small	06105-002-75-21
9a	1	Key, Drive Wheel	05315-003-91-94
9b	1	Set Screw	05305-002-10-14
10	1	Chain, Drive Motor	05700-002-88-43
11	1	Belt, Gear Large	06105-002-75-22
11a	1	Key, Drive Wheel	05315-003-91-95
11b	1	Set Screw	05305-002-10-14
12	2	Rail, Lower Front	05700-003-91-86
13	1	Cover, Switch	05700-003-09-10
14	1	Bracket, Switch Holding	05700-003-09-11
15	1	Snap Bushing	05975-003-10-46
16	1	Domed Plug	05975-003-10-45



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Drive Motor Support Bracket	05700-002-82-45
2	2	Bolt, Spring Holding, 3/8" Spring	05340-002-87-02 05340-002-87-62
3	1	Drive Motor Mounting Bracket	05700-002-66-43
4	1	Drive Motor Assembly (208/230 V) Drive Motor Only (208/230 V) Drive Motor Assembly (460 V) Drive Motor Only (460 V) Drive Motor Assembly (600 V) Drive Motor Only (600 V)	05700-002-66-38 06105-002-87-69 05700-002-68-55 06105-002-87-70 05700-002-95-62 06105-002-87-71
5	1	Belt Centering Plate	05700-002-82-08
6	1	Drive Wheel	05700-002-67-03
7	1	Drive Rod Gear Drive	05700-002-75-13 06105-002-68-52
8	1	Bearing, Two-Bolt Mounting Flange	03120-002-69-31
9	1	Magnet (Not Shown)	05930-002-88-42
10	1	Reed Switch	05930-002-36-80
11		Limit Switch Mounting Bracket	05700-011-71-18
12	1	Pin, Drive Plate	05700-002-92-06
13	1	Conduit Box (Not Shown)	05700-002-93-09
14	1	Conduit Box Top (Not Shown)	05700-002-93-10
15	1	Drain, Transfer Assembly (Not Shown)	05700-003-09-75
16	1	Switch, Belt Control (Not Shown)	05930-303-40-01



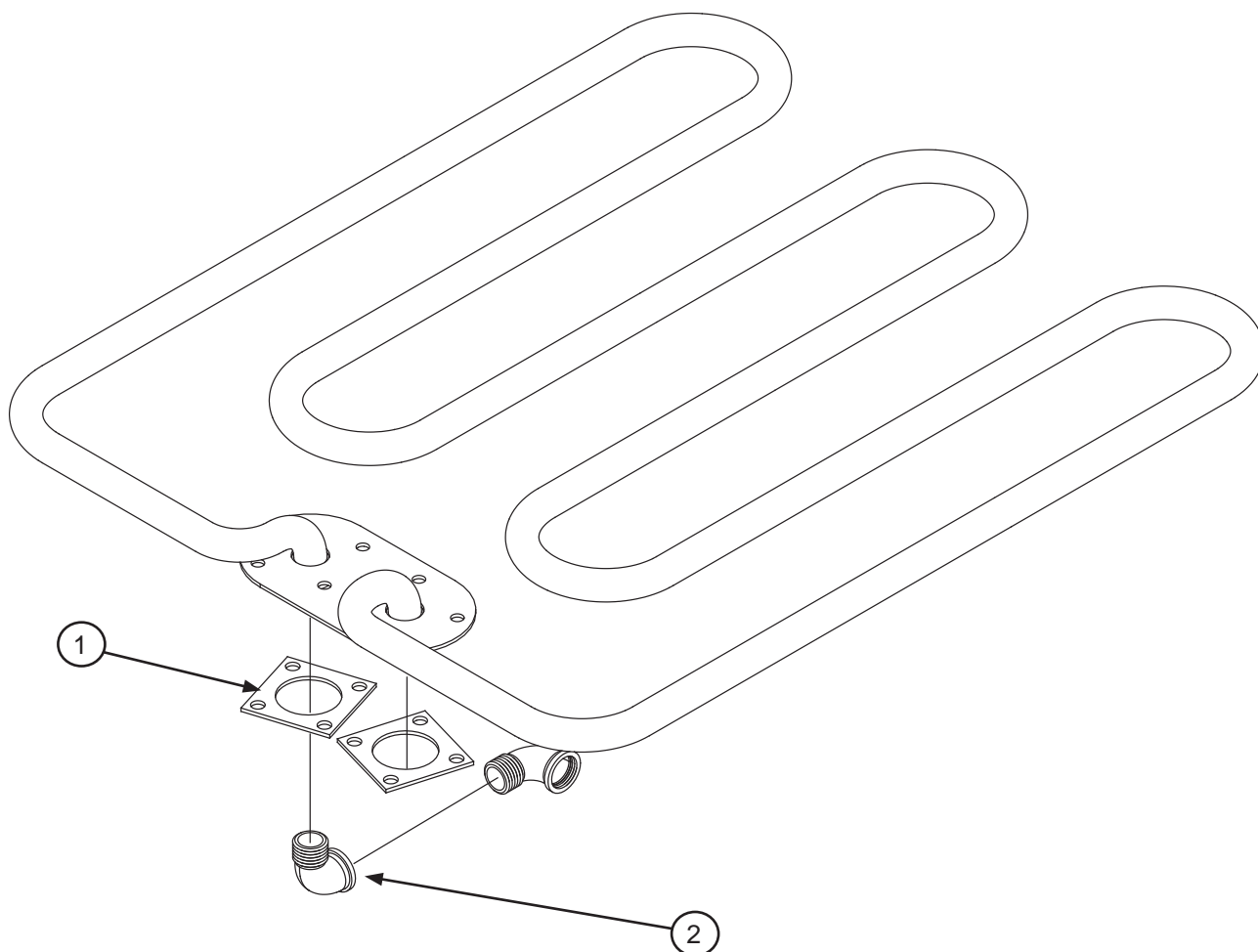
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Cover, Unloader Stop Switch	05700-002-82-15
2	1	Slide Stop	05700-002-82-14
3	14	Finger, Slide Stop, Vinyl-coated	05700-003-57-31
4	32	Locknut, 10-24 Hex with Nylon Insert	05310-373-01-00
5	2	Extension Spring, 1/2" OD	05340-002-90-39
6	1	Bracket, Right Stop	05700-002-97-54
7	1	Bracket, Left Stop	05700-002-97-55
8	4	Screw, 10-24 x 1/2"	05305-011-40-89
9	1	Slide Stop, Shock Bracket	05700-003-29-09
10	3	Locknut, 1/4-20 Hex with Nylon Insert	05310-374-01-00
11	1	Slide Stop, Shock Assembly	05935-003-36-94



ITEM	QTY	DESCRIPTION	PART NUMBER
		Kit, Motor & Seal 208-460 V, 2 HP	06401-003-17-26
		Kit, Motor & Seal 208-460 V, 3 HP	06401-003-17-28
1	1	Motor Only, 208-460 V, 2 HP	06105-003-19-15
	1	Motor Only, 208-460 V, 3 HP	06105-003-19-16
2	1	Power Rinse Motor Kit, 208-460 V, 2 HP	06105-003-15-51
	1	Pump & Motor Assembly, 208-460 V, 3 HP	06105-003-15-52
3	1	Seal, Pump	05330-002-34-22
		THE FOLLOWING ITEMS ARE NOT SHOWN	
	1	Hose, 2.83 OD x 4" Long	05700-003-15-36
	1	Hose, 3.33 OD x 4" Long	05700-003-15-37
	1	Barbed Fitting, 90-degree	04730-003-15-57
	4	Hose Clamp, 2 9/16" to 3 1/2"	04730-003-15-40
	1	Bracket, Motor Support	05700-003-15-08
	2	Locknut, 1/4-20 Hex with Nylon Insert	05310-374-01-00
	2	Washer, 1/4" ID x 3/4" OD	05311-174-01-00
	1	Gasket, Heater	05330-011-47-79
	1	Heater Support Bracket	05700-002-78-92

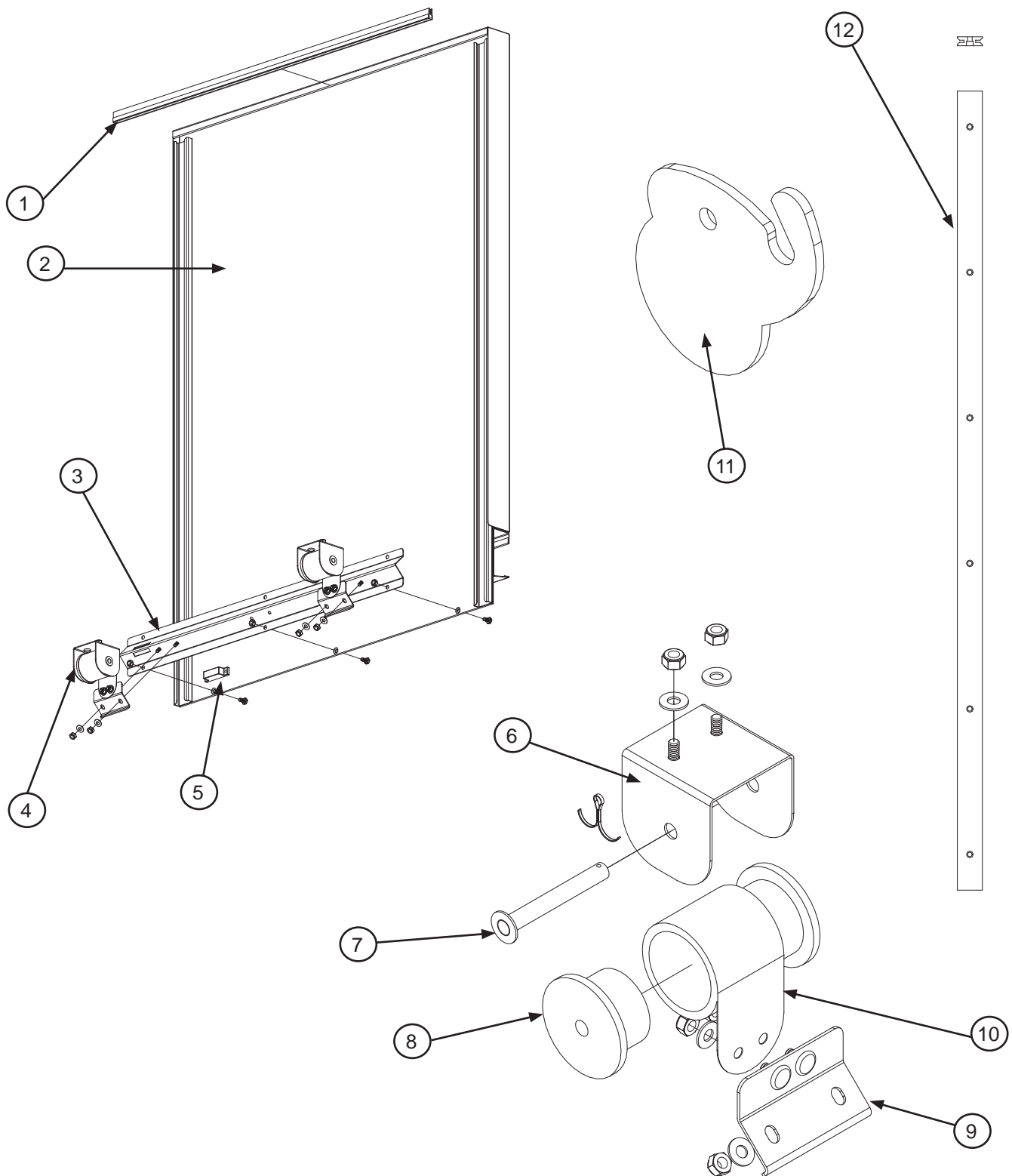
Section	Volts	Hz	Phase	Heater (12 kW)	Heater (14 kW)
Wash	208	60	3	04540-003-17-05	N/A
Wash	240	60	3	04540-003-17-07	N/A
Wash	380	60	3	04540-003-69-32	N/A
Wash	460	60	3	04540-003-17-10	N/A
Wash	600	60	3	04540-002-90-28	N/A
Power Rinse	208	60	3	04540-003-17-05	04540-003-17-06
Power Rinse	240	60	3	04540-003-17-07	04540-003-17-08
Power Rinse	380	60	3	04540-003-69-32	04540-003-69-33
Power Rinse	460	60	3	04540-003-17-10	04540-003-17-11
Power Rinse	600	60	3	04540-002-90-28	04540-002-90-29

NOTICE For units earlier than serial number 1032, please call Technical Service (888.800.5672) for motor replacements.



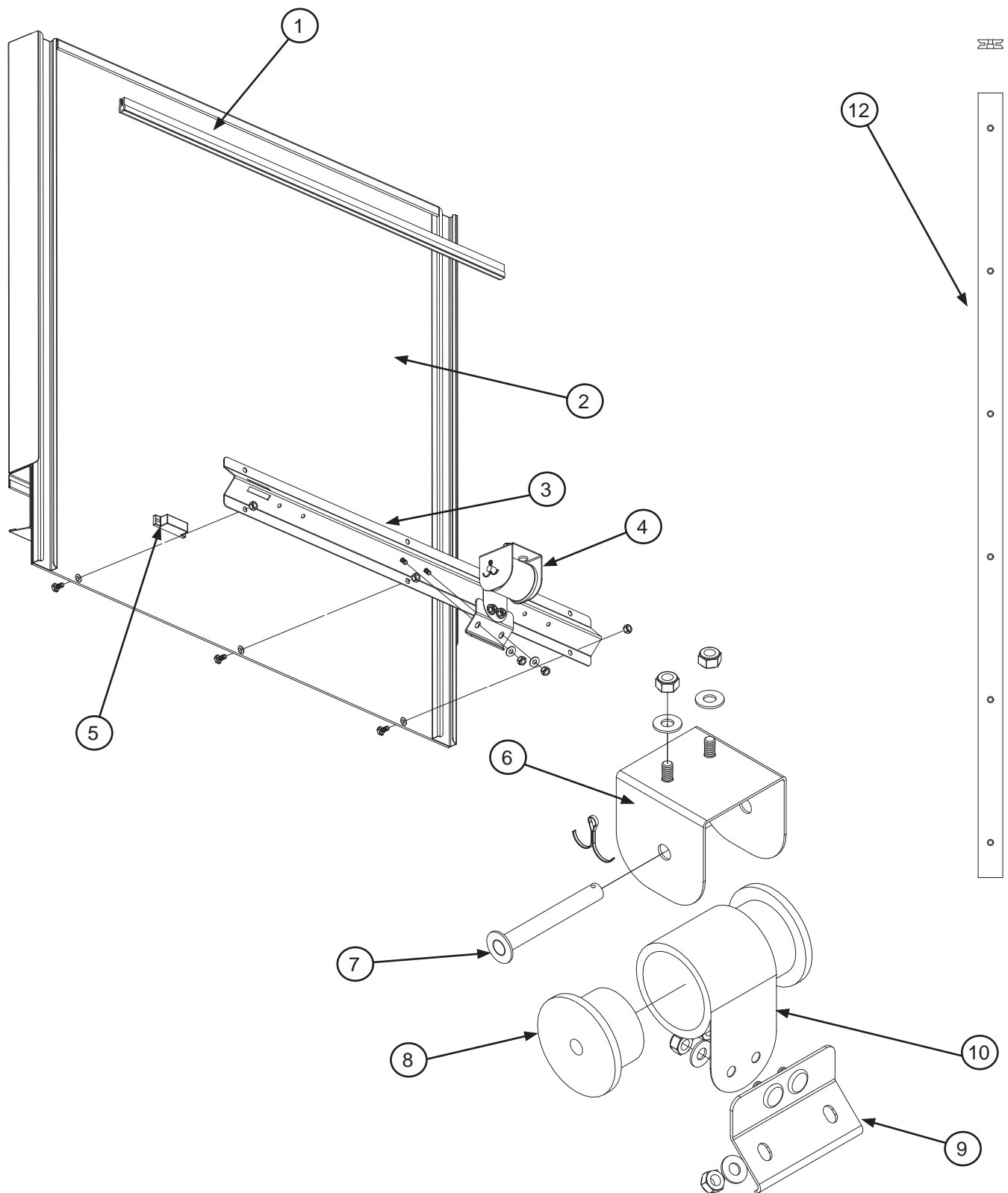
ITEM	QTY	DESCRIPTION	PART NUMBER
		Steam Coil Assembly	05700-002-86-50
1	1	Steam Coil Gasket	05330-011-47-79
2	2	Elbow, 3/4" 90-degree Black Iron	04730-011-87-37

NOTICE The steam coil assembly is used only in the JFT-S Wash and Power Rinse Sections.



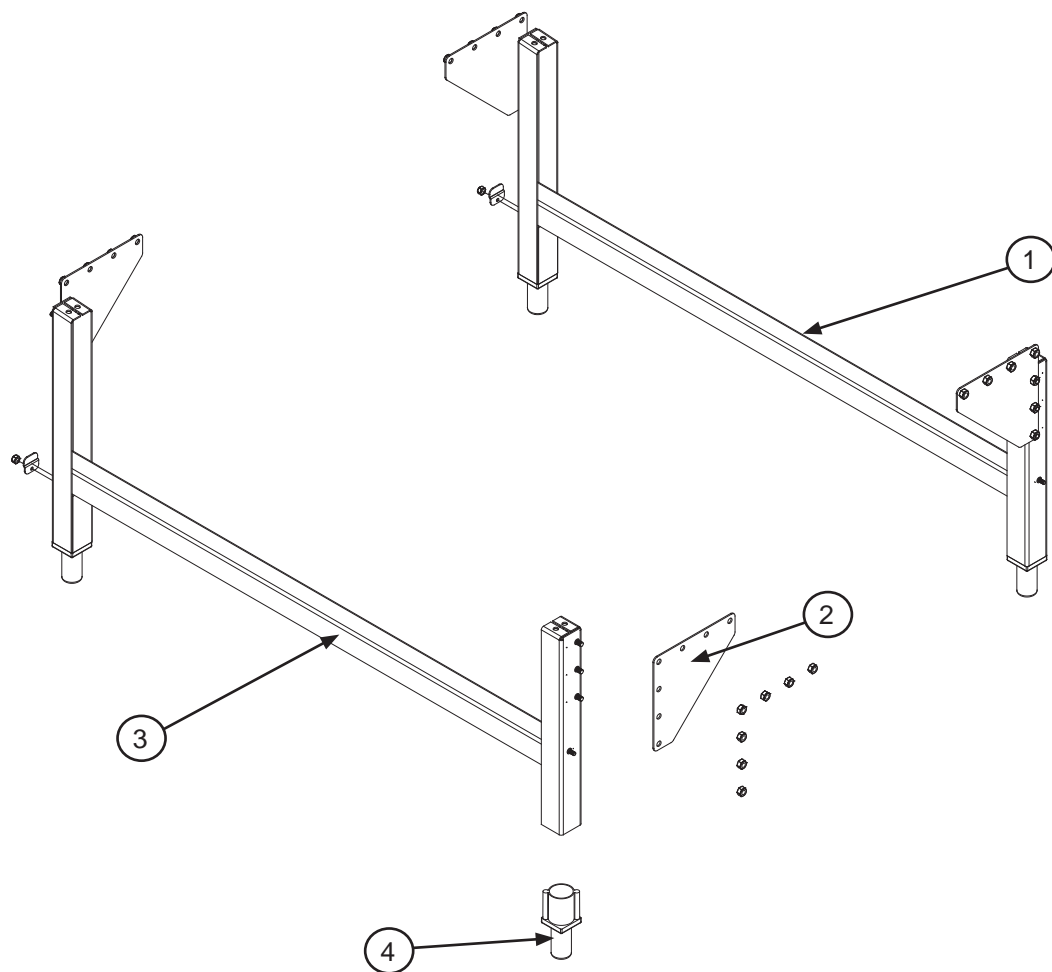
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Seal, Door	05700-002-91-18
2	1	Door Weldment Sponge Gasket	05700-002-64-57 05330-002-86-47
3	1	Door Stop	05700-002-94-81
4	2	Door Riser Assembly	05700-002-67-34
5	1	Magnet	05930-002-88-42
6	1	Holder Bracket	05700-002-83-62
7	1	Pin, Door Spring	05700-002-83-55
8	2	Spindle, Door Spring	05700-002-67-28
9	1	Bracket, Door Holding	05700-002-94-92
10	1	Spring, Door	05315-002-67-29
11	1	Door Catch	05700-003-10-71
12	2	Door Guide	05700-002-64-54
13	12	Screw, 10-32 x 5/8" Truss Head (Not Shown)	05305-003-02-12

NOTICE This door is used in each of the Prewash, Wash, and Power Rinse sections.



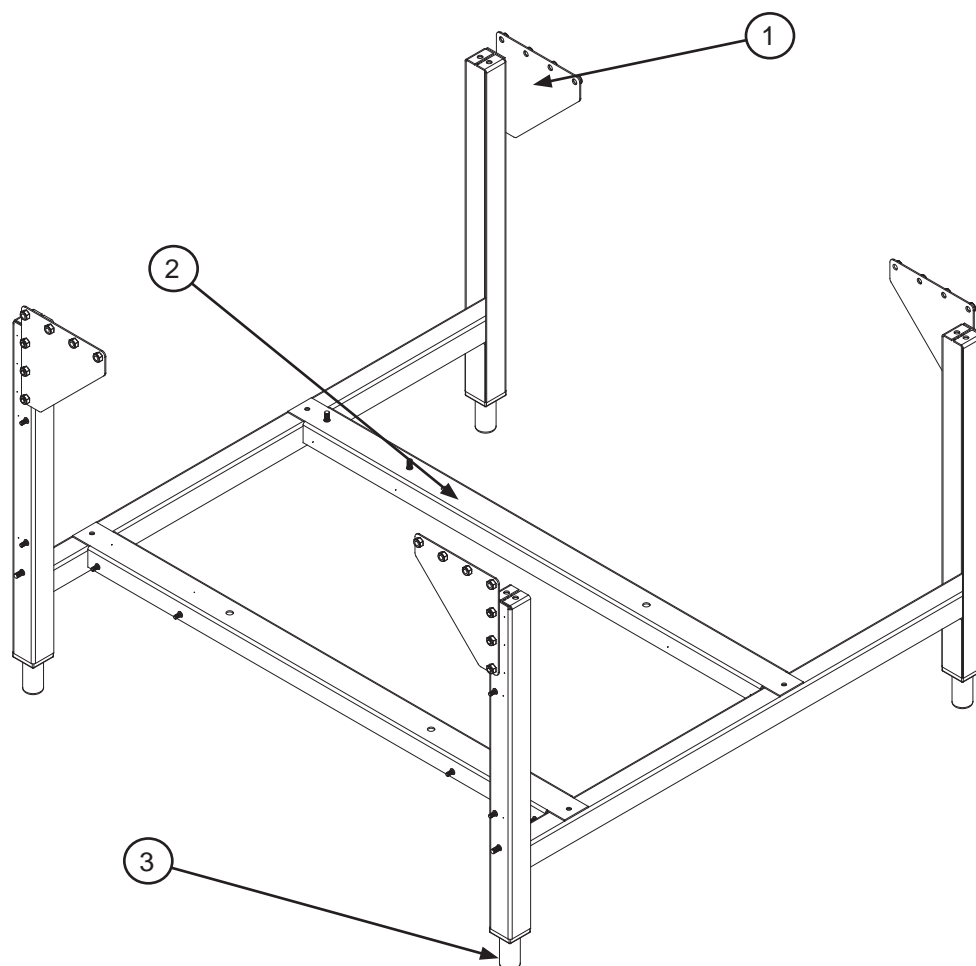
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Seal, Door	05700-002-91-18
2	1	Door Weldment Sponge Gasket	05700-002-64-57 05330-002-86-47
3	1	Door Stop	05700-002-94-81
4	2	Door Riser Assembly	05700-002-67-34
5	1	Magnet	05930-002-88-42
6	1	Holder Bracket	05700-002-83-62
7	1	Pin, Door Spring	05700-002-83-55
8	2	Spindle, Door Spring	05700-002-67-28
9	1	Bracket, Door Holding	05700-002-94-92
10	1	Spring, Door	05315-002-67-29
11	1	Door Catch	05700-003-10-71
12	2	Door Guide	05700-002-64-54
13	12	Screw, 10-32 x 5/8" Truss Head (Not Shown)	05305-003-02-12

NOTICE This door is used in each of the Prewash, Wash and Power Rinse sections.



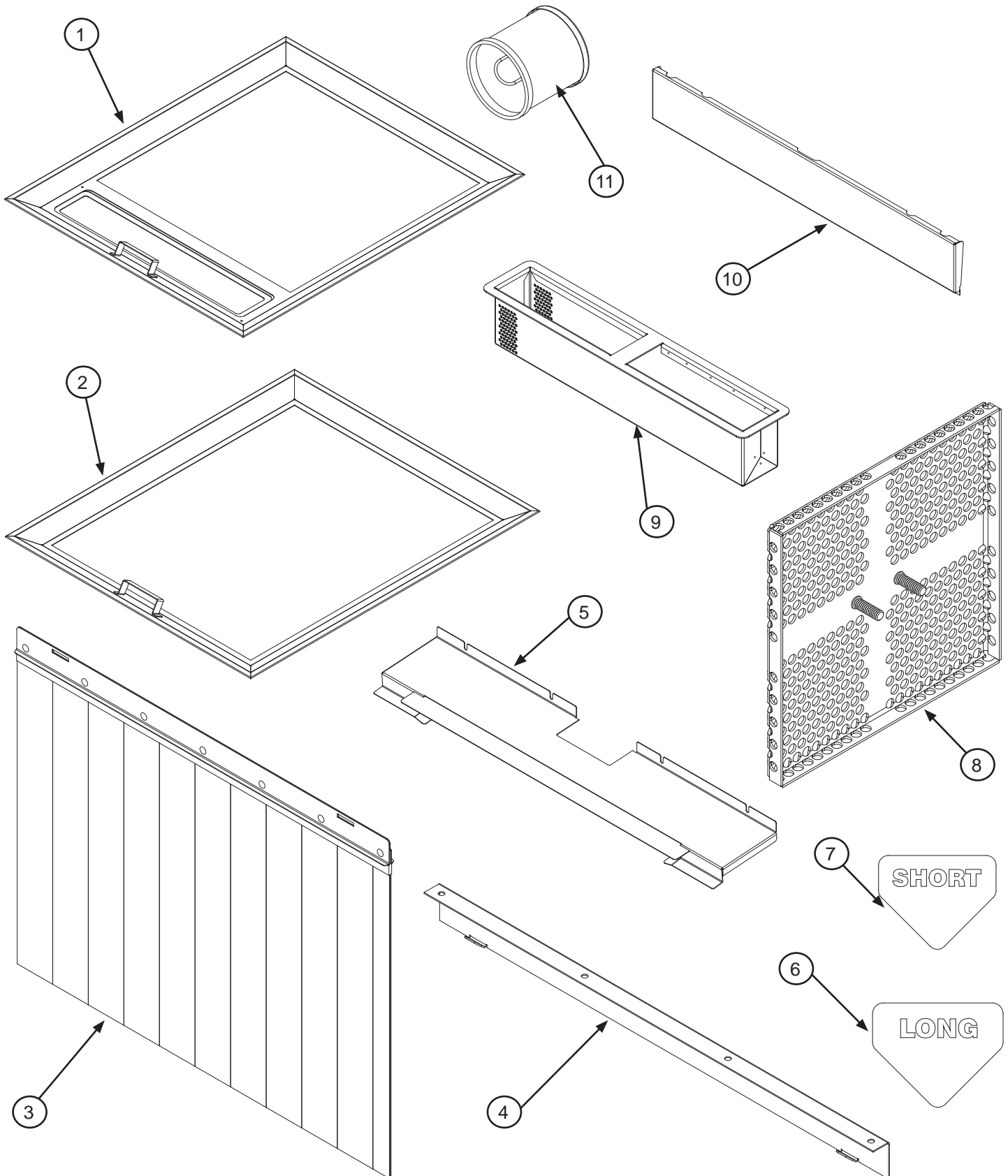
ITEM	QTY	DESCRIPTION	PART NUMBER
		Complete Frame Assembly	05700-002-79-04
1	1	Right Frame Weldment	05700-002-79-03
2	4	Support Bracket	05700-002-64-07
3	1	Left Frame Weldment	05700-002-64-09
4	4	Adjustable Foot	05340-108-02-06

NOTICE This frame is used in each of the Prewash, Wash and Power Rinse sections.



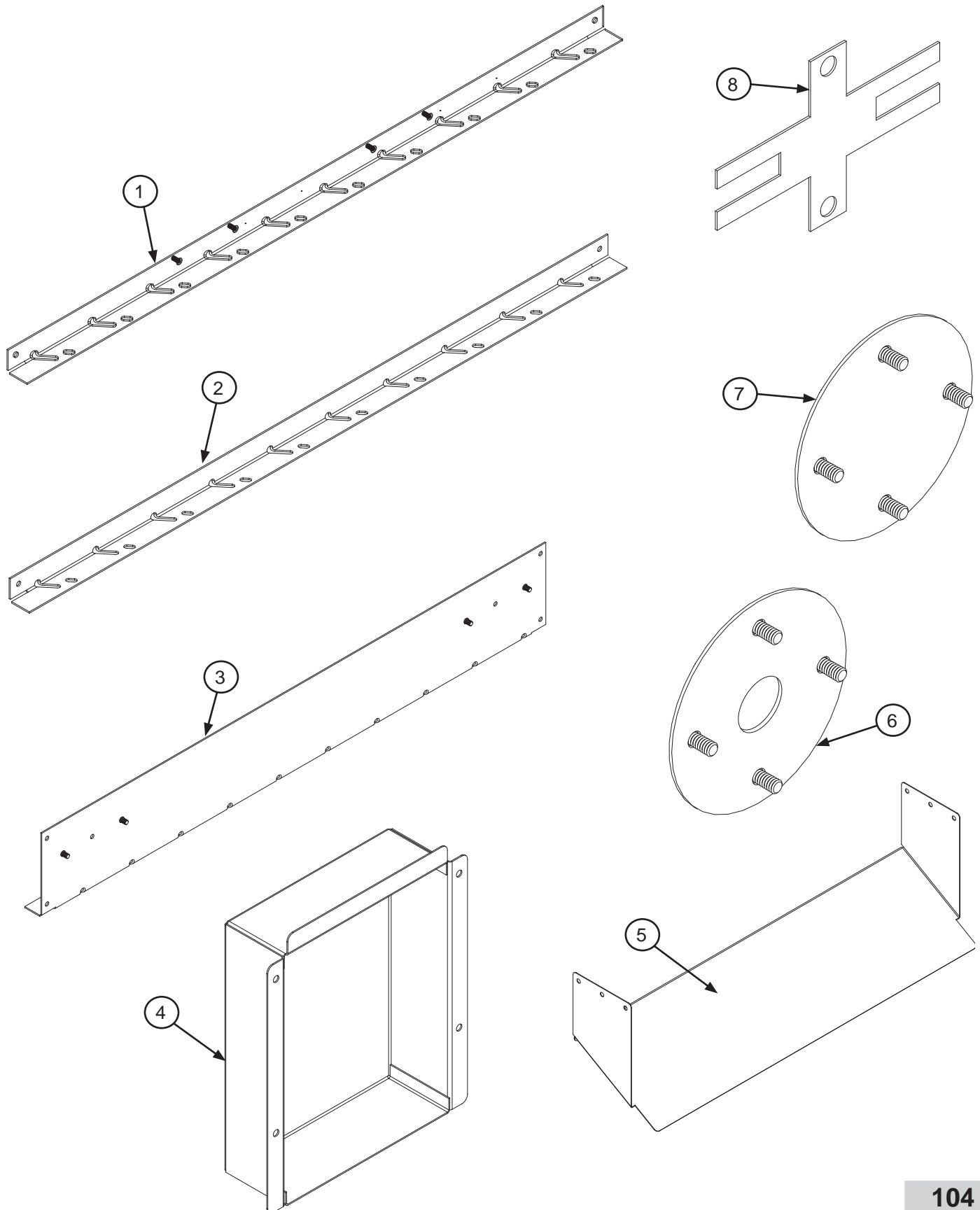
ITEM	QTY	DESCRIPTION	PART NUMBER
		Blower Dryer Section Complete Frame Assembly	05700-002-86-26
1	4	Support Bracket	05700-002-64-07
2	1	Stand, Dryer	05700-002-70-51
3	4	Adjustable Foot	05340-108-02-06

NOTICE This frame is used only in the Blower Dryer section.



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Pan Strainer, Prewash Section	05700-002-74-77
2	1	Pan Strainer, Wash/Power Rinse Sections	05700-002-88-24
3	1	Curtain, Control/Prewash/Wash/Power Rinse Sections Curtain, Blower Section	05700-002-79-70 05700-002-86-00
4	1	Curtain Holder	05700-002-79-65
5	1	Strainer Support, Back	05700-002-97-46
6	1	Decal, Long Curtain	09905-004-38-07
7	1	Decal, Short Curtain	09905-004-38-05
8	1	Strainer, Unload/Load End	05700-003-22-99
9	1	Scrap Basket, Prewash Section	05700-002-74-61
10	2	Strainer Support, Side	05700-002-64-43
11	1	Strainer, Drain Suction	05700-002-66-47

NOTICE Items not shown to scale in relation to each other.



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Lower Front Rail	05700-002-80-17
2	1	Rail, Lower Section	05700-002-65-07
3	2	Rail, Upper Section	05700-002-84-39
4	1	Cover, Tank Heater Terminals/Wash/Power Rinse Sections	05700-002-74-34
5	2	Run-off Bracket	05700-002-81-98
6	1	Plate, Wash Section	05700-002-88-49
7	1	Plate, Power Rinse Section Cross-over	05700-002-74-48
8	1	Thermostat Bracket	05700-003-18-18

GO*BOX KIT

A GO*BOX is a kit of the most-needed parts for a particular model or model family to successfully effect a repair in the first call 90% or more of the time.

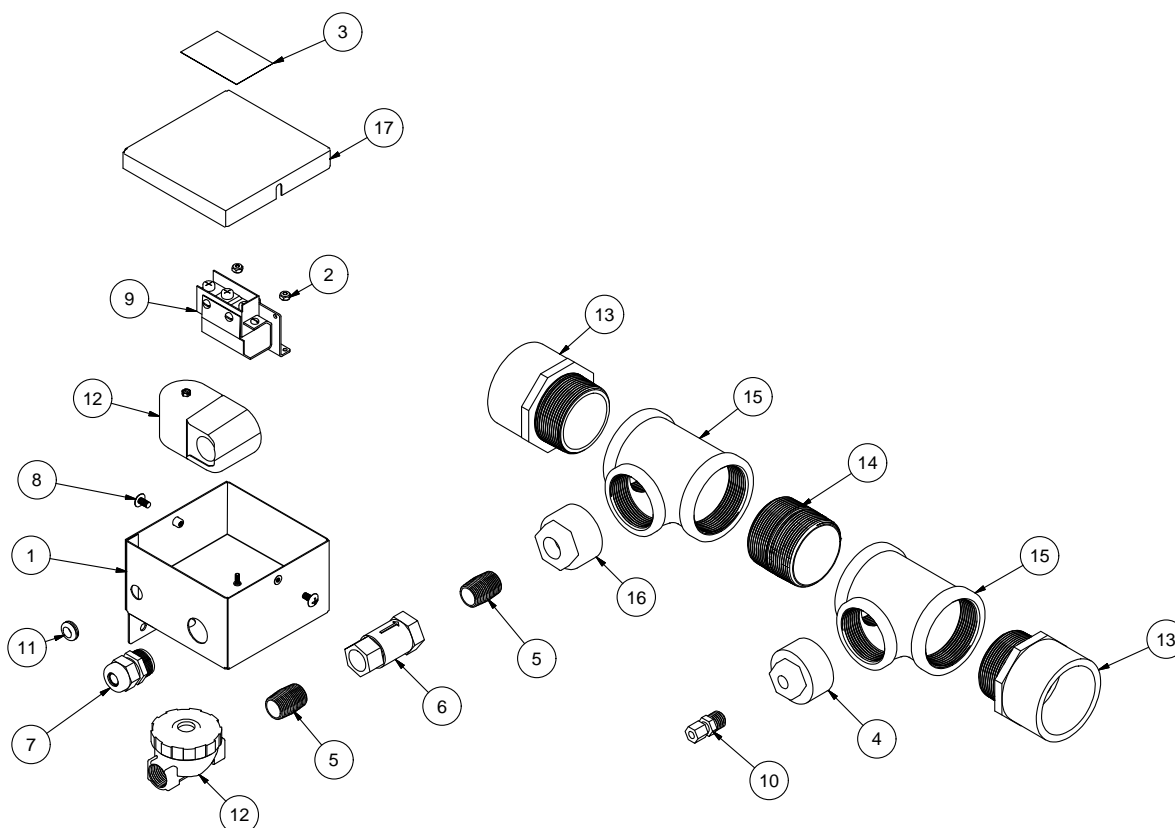
06401-002-99-17

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Valve, Solenoid 120 V	04810-002-38-15
2	2	Spring, Door	05315-002-67-29
3	2	Seal, Pump	05330-011-71-98
4	2	Gasket, Pump	05330-011-71-62
5	20	Wheel, PVC	05340-002-63-86
6	4	Lanyard, 6"	05340-011-72-46
7	20	Peg, Belt	05700-002-63-88
8	1	Switch, Start, Green	05930-002-80-60
9	1	Switch, Stop, Red	05930-002-80-72
10	1	Switch, Reed	05930-002-36-80
11	1	Thermostat, High Limit	05930-002-83-31
12	1	Contactor, 3-Pole 50 A	05945-002-24-70
13	1	Overload, Motor, 10-16 A	05945-011-84-59
14	1	Overload, Drive Motor, 1-1.5 A	05945-111-68-39
15	1	Overload, Wash Motor , 5.5-5.8 A	05945-111-68-40
16	1	Transformer 240-480 V	05950-111-65-93
17	1	Transformer, 208-240 V	05950-400-01-35
18	2	Controller and Probe, Level Control	05700-002-87-53

SPARE PARTS KIT

05700-002-94-74

ITEM	QTY	DESCRIPTION	PART NUMBER
1	12	Wheel, PVC	05340-002-63-86
2	6	Plate, Connector	05700-002-63-85
3	6	Rod, Belt	05700-002-63-92
4	48	Washer, 1/4" ID x 3/4" OD	05311-011-76-30
5	12	Locknut, 1/4-20, Low Profile with Nylon Insert	05310-374-02-00
6	250	Screw, 10-24 x 1/2" Hex Head	05305-011-40-89
7	250	Locknut, 10-24 with Nylon Insert	05310-373-01-00
8	500	Washer, Flat #10	05311-173-02-00
9	20	Screw, 8-32 x 3/8"	05305-011-37-07
10	20	Nut, Hex 8-32 Locking	05310-272-02-00
11	10	Screw, 10-32 x 1/2"	05305-011-44-51
12	10	Locknut, 10-32 with Nylon Insert	05310-373-02-00

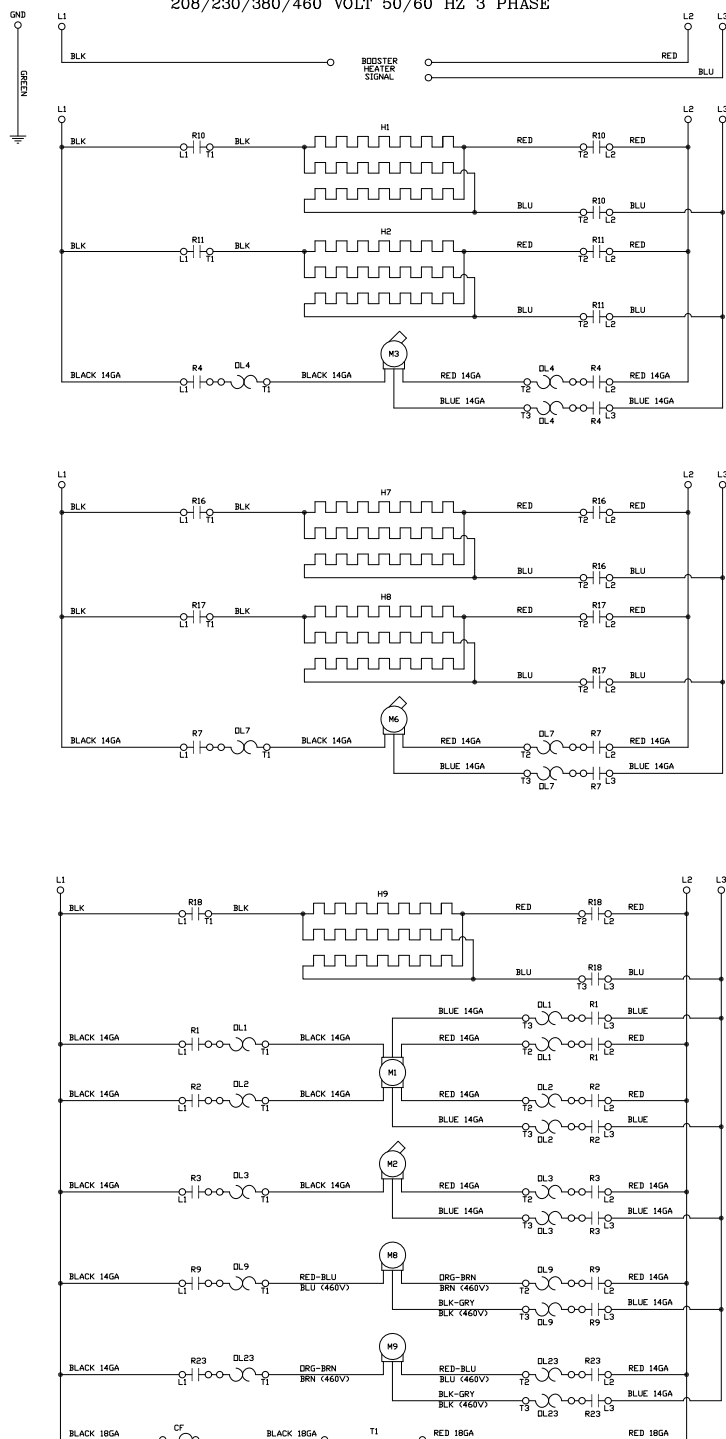


ITEM	QTY	DESCRIPTION	PART NUMBER
		Drain Quench Kit	05700-004-25-29
1	1	Drain Quench Box	05700-002-69-96
2	2	Locknut, 6-32 Hex with Nylon Insert	05310-373-03-00
3	1	Warning-Disconnect Power Decal	09905-004-08-16
4	1	Reducer, 1 1/2 to 1/4" Brass	04730-002-55-76
5	2	Nipple, 1/2" Close Brass	04730-207-15-00
6	1	Check Ball Valve, 1/2"	04820-002-55-77
7	1	Fitting, Black Liquid-tight	05975-011-59-50
8	2	Screw, 10-32 x 3/8" Truss	05305-173-12-00
9	1	Wash Thermostat	05930-003-13-65
10	1	Fitting, 1/4" x 1/4" Straight Brass	05700-001-16-52
11	1	Grommet, 1/2" OD x .38" ID	05325-011-46-73
12	1	Solenoid Valve, 1/4" 120 V	04810-100-12-18
13	1	Adapter, Gray CPVC, Female to Male	04730-004-25-30
14	1	Nipple, 2" Brass	04730-004-25-32
15	2	Tee, 2" x 2" x 1 1/2" Brass	04730-004-25-31
16	1	Reducer 1 1/2" to 1/2" Brass	04730-002-55-75
17	1	Lid, Drain Quench Electrical Box	05700-002-67-16

LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
H1	WASH HEATER 1
H2	WASH HEATER 2
H7	RINSE HEATER 1
H8	RINSE HEATER 2
H9	BLOWER HEATER (OPTIONAL)
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R10	WASH HEATER CONTACTOR 1
R11	WASH HEATER CONTACTOR 2
R16	RINSE HEATER CONTACTOR 1
R17	RINSE HEATER CONTACTOR 2
R18	BLOWER HEATER CONTACTOR (OPTIONAL)
R19	ON RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1
S3	DOOR SWITCH 2
S6	DOOR SWITCH 5
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S16	START BUTTON 3
S17	STOP BUTTON 3
SK	KEYED SWITCH (OPTION)
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
TS1	WASH REGULATING THERMOSTAT
TS2	WASH HIGH LIMIT THERMOSTAT 1
TS3	WASH HIGH LIMIT THERMOSTAT 2
TS10	RINSE REGULATING THERMOSTAT
TS11	RINSE HIGH LIMIT THERMOSTAT 1
TS12	RINSE HIGH LIMIT THERMOSTAT 2
TS13	INTERNAL BLOWER HIGH LIMIT
TS14	BLOWER HEATER HIGH LIMIT THERMOSTAT
TS16	INTERNAL EXHAUST FAN HIGH LIMIT
DL1	DRIVE MOTOR OVERLOAD 1
DL2	DRIVE MOTOR OVERLOAD 2
DL3	PREWASH MOTOR OVERLOAD
DL4	WASH MOTOR OVERLOAD
DL7	POWER RINSE MOTOR OVERLOAD
DL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
DL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
PRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
CF	CONTROL FUSE
DF	DETERGENT FUSE
RF	RINSE AID FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER

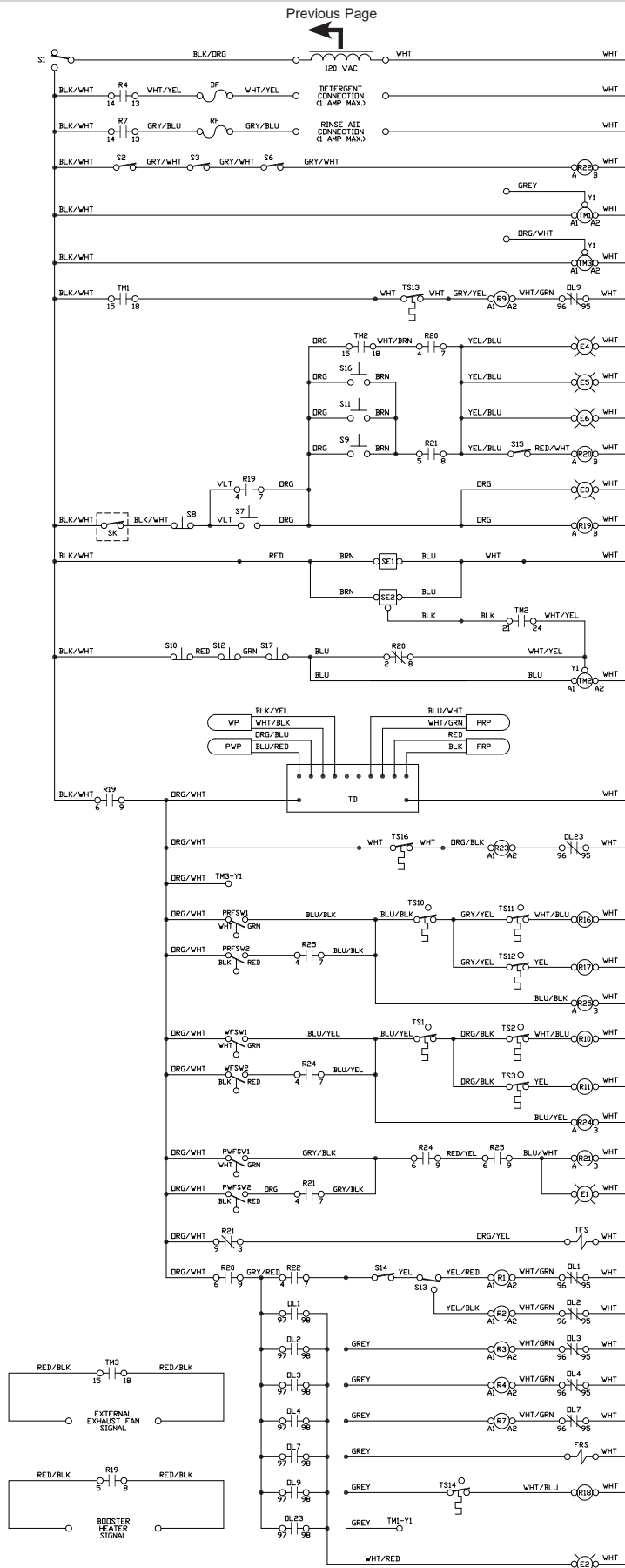
JFT ELECTRICAL DIAGRAM 208/230/380/460 VOLT 50/60 HZ 3 PHASE



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LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
H1	WASH HEATER 1
H2	WASH HEATER 2
H7	RINSE HEATER 1
H8	RINSE HEATER 2
H9	BLOWER HEATER (OPTIONAL)
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R10	WASH HEATER CONTACTOR 1
R11	WASH HEATER CONTACTOR 2
R16	RINSE HEATER CONTACTOR 1
R17	RINSE HEATER CONTACTOR 2
R18	BLOWER HEATER CONTACTOR (OPTIONAL)
R19	ON RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1
S3	DOOR SWITCH 2
S6	DOOR SWITCH 5
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S16	START BUTTON 3
S17	STOP BUTTON 3
SK	KEYED SWITCH (OPTION)
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
TS1	WASH REGULATING THERMOSTAT
TS2	WASH HIGH LIMIT THERMOSTAT 1
TS3	WASH HIGH LIMIT THERMOSTAT 2
TS10	RINSE REGULATING THERMOSTAT
TS11	RINSE HIGH LIMIT THERMOSTAT 1
TS12	RINSE HIGH LIMIT THERMOSTAT 2
TS13	INTERNAL BLOWER HIGH LIMIT
TS14	BLOWER HEATER HIGH LIMIT THERMOSTAT
TS16	INTERNAL EXHAUST FAN HIGH LIMIT
OL1	DRIVE MOTOR OVERLOAD 1
OL2	DRIVE MOTOR OVERLOAD 2
OL3	PREWASH MOTOR OVERLOAD
OL4	WASH MOTOR OVERLOAD
OL7	POWER RINSE MOTOR OVERLOAD
OL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
OL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
PRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
CF	CONTROL FUSE
DF	DETERGENT FUSE
RF	RINSE AID FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER



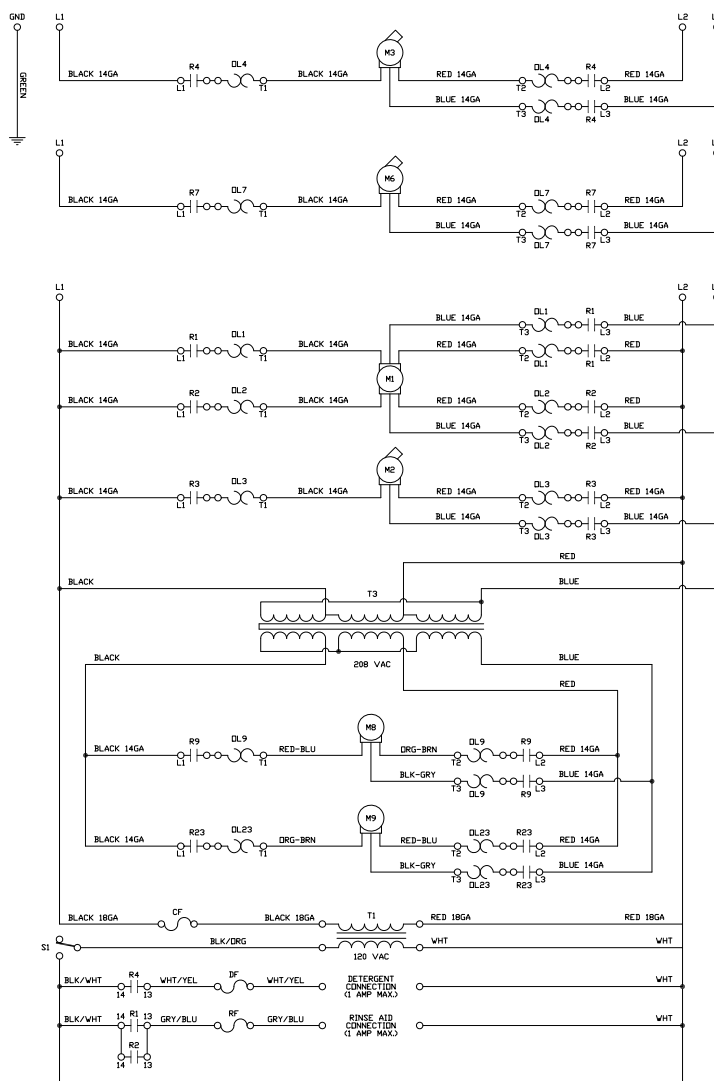
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LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R19	ON RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1
S3	DOOR SWITCH 2
S6	DOOR SWITCH 5
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S16	START BUTTON 3
SK	KEYED SWITCH (OPTION)
S17	STOP BUTTON 3
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
SBS	STEAM BOOSTER SOLENOID
RSS	RINSE STEAM SOLENOID
WSS	WASH STEAM SOLENOID
BSS	BLOWER STEAM SOLENOID (OPTIONAL)
TS1	WASH REGULATING THERMOSTAT
TS10	RINSE REGULATING THERMOSTAT
TS13	INTERNAL BLOWER HIGH LIMIT
TS15	STEAM BOOSTER THERMOSTAT
TS16	INTERNAL EXHAUST FAN HIGH LIMIT
DL1	DRIVE MOTOR OVERLOAD 1
DL2	DRIVE MOTOR OVERLOAD 2
DL3	PREWASH MOTOR OVERLOAD
DL4	WASH MOTOR OVERLOAD
DL7	POWER RINSE MOTOR OVERLOAD
DL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
DL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
PRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
T3	600-208V TRANSFORMER
CF	CONTROL FUSE
DF	DETERGENT FUSE
RF	RINSE AID FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER

JFT-S
ELECTRICAL DIAGRAM

600 VOLT 60 HZ 3 PHASE

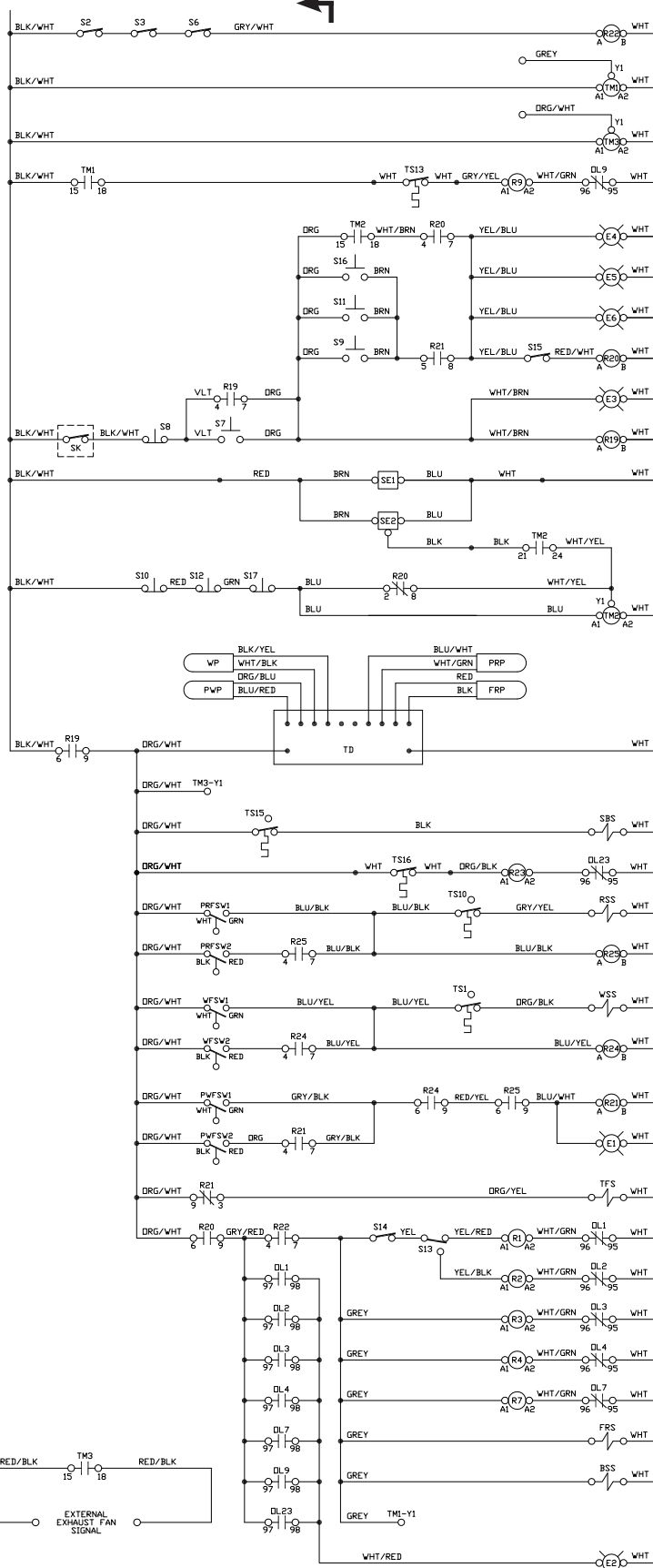


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LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R19	ON RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1
S3	DOOR SWITCH 2
S6	DOOR SWITCH 5
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S16	START BUTTON 3
SK	KEYED SWITCH (OPTION)
SK	STOP BUTTON 3
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
SBS	STEAM BOOSTER SOLENOID
RSS	RINSE STEAM SOLENOID
WSS	WASH STEAM SOLENOID
BSS	BLOWER STEAM SOLENOID (OPTIONAL)
TS1	WASH REGULATING THERMOSTAT
TS10	RINSE REGULATING THERMOSTAT
TS13	INTERNAL BLOWER HIGH LIMIT
TS15	STEAM BOOSTER THERMOSTAT
TS16	INTERNAL EXHAUST FAN HIGH LIMIT
DL1	DRIVE MOTOR OVERLOAD 1
DL2	DRIVE MOTOR OVERLOAD 2
DL3	PREWASH MOTOR OVERLOAD
DL4	WASH MOTOR OVERLOAD
DL7	POWER RINSE MOTOR OVERLOAD
DL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
DL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
PRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
T3	600-208V TRANSFORMER
CF	CONTROL FUSE
DF	DETERGENT FUSE
RF	RINSE AID FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER

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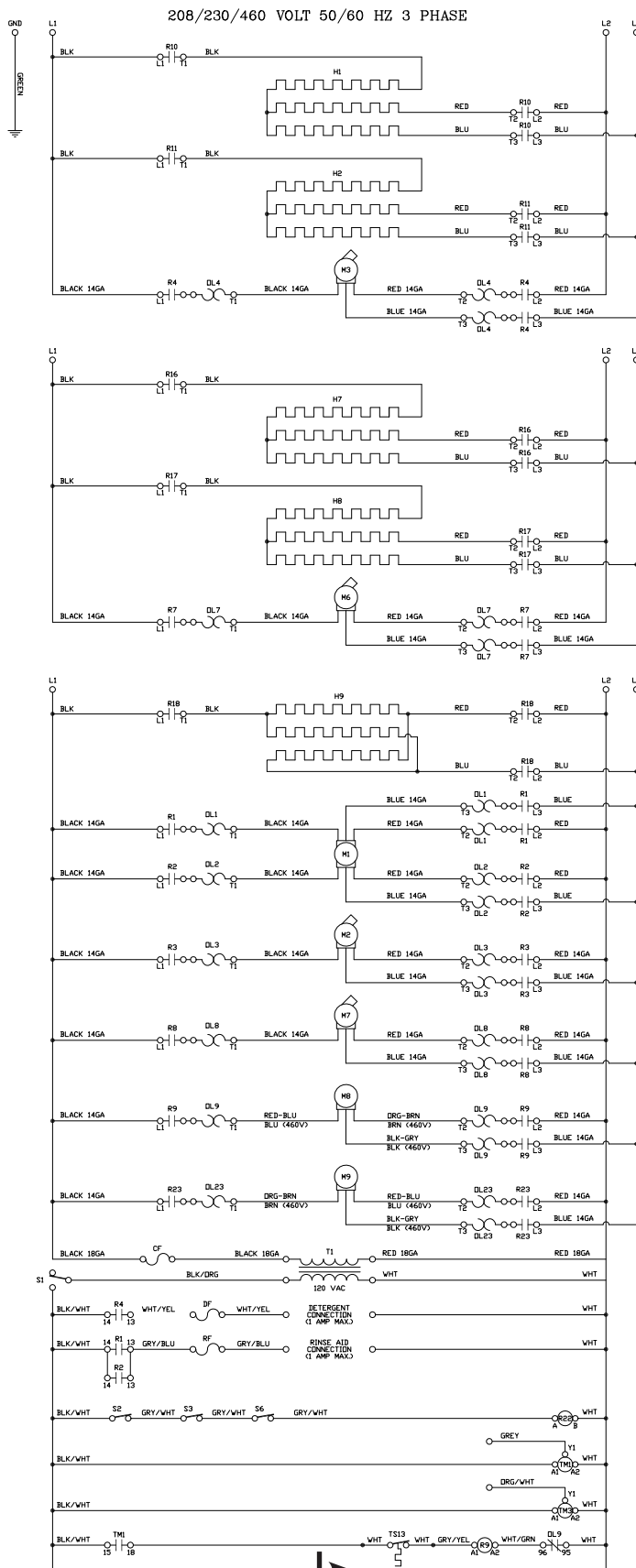
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LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
H1	WASH HEATER 1
H2	WASH HEATER 2
H7	RINSE HEATER 1
H8	RINSE HEATER 2
H9	BLOWER HEATER (OPTIONAL)
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M7	FINAL RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R8	FINAL RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R10	WASH HEATER CONTACTOR 1
R11	WASH HEATER CONTACTOR 2
R16	RINSE HEATER CONTACTOR 1
R17	RINSE HEATER CONTACTOR 2
R18	BLOWER HEATER CONTACTOR (OPTIONAL)
R19	ON RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
R26	FINAL RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1
S3	DOOR SWITCH 2
S6	DOOR SWITCH 5
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S16	START BUTTON 3
SK	KEYED SWITCH (OPTION)
S17	STOP BUTTON 3
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
TS1	WASH REGULATING THERMOSTAT
TS2	WASH HIGH LIMIT THERMOSTAT 1
TS3	WASH HIGH LIMIT THERMOSTAT 2
TS10	RINSE REGULATING THERMOSTAT
TS11	RINSE HIGH LIMIT THERMOSTAT 1
TS12	RINSE HIGH LIMIT THERMOSTAT 2
TS13	INTERNAL BLOWER HIGH LIMIT THERMOSTAT
TS14	INTERNAL EXHAUST FAN HIGH LIMIT
TS16	DRIVE MOTOR OVERLOAD 1
DL1	DRIVE MOTOR OVERLOAD 2
DL2	PREWASH MOTOR OVERLOAD
DL3	WASH MOTOR OVERLOAD
DL7	POWER RINSE MOTOR OVERLOAD
DL8	FINAL RINSE MOTOR OVERLOAD
DL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
DL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
PRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
FRFSW1	FINAL RINSE TOP FLOAT SWITCH
FRFSW2	FINAL RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
CF	CONTROL FUSE
DF	DETERGENT FUSE
RF	RINSE AID FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER

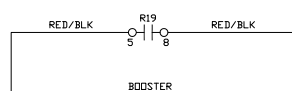
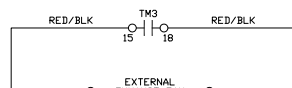
JFT
ELECTRICAL DIAGRAM

PUMPED FINAL RINSE



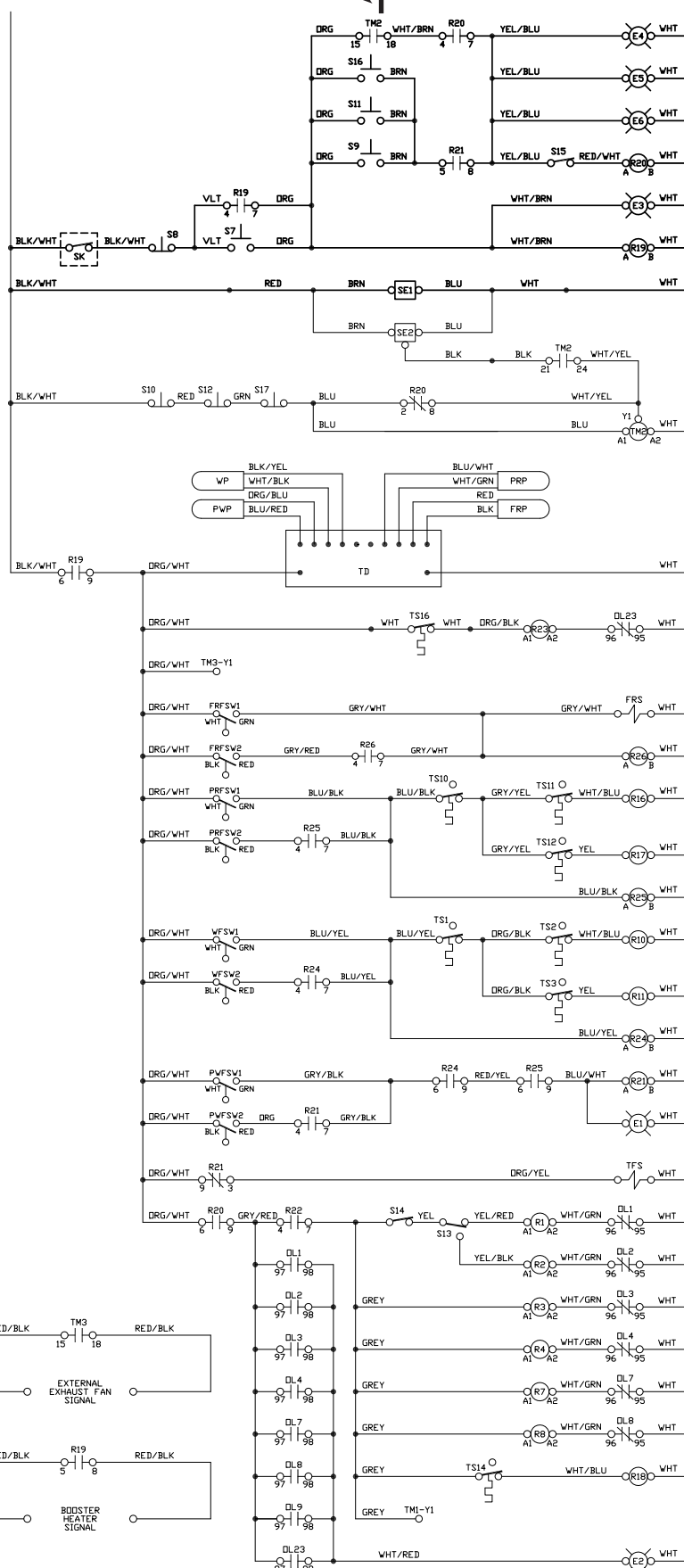
LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
H1	WASH HEATER 1
H2	WASH HEATER 2
H7	RINSE HEATER 1
H8	RINSE HEATER 2
H9	BLOWER HEATER (OPTIONAL)
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M7	FINAL RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R8	FINAL RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R10	WASH HEATER CONTACTOR 1
R11	WASH HEATER CONTACTOR 2
R16	RINSE HEATER CONTACTOR 1
R17	RINSE HEATER CONTACTOR 2
R18	BLOWER HEATER CONTACTOR (OPTIONAL)
R19	ON RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
R26	FINAL RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1
S3	DOOR SWITCH 2
S6	DOOR SWITCH 5
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S16	START BUTTON 3
SK	KEYED SWITCH (OPTION)
S17	STOP BUTTON 3
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
TS1	WASH REGULATING THERMOSTAT
TS2	WASH HIGH LIMIT THERMOSTAT 1
TS3	WASH HIGH LIMIT THERMOSTAT 2
TS10	RINSE REGULATING THERMOSTAT
TS11	RINSE HIGH LIMIT THERMOSTAT 1
TS12	RINSE HIGH LIMIT THERMOSTAT 2
TS13	INTERNAL BLOWER HIGH LIMIT
TS14	BLOWER HEATER HIGH LIMIT THERMOSTAT
TS16	INTERNAL EXHAUST FAN HIGH LIMIT
DL1	DRIVE MOTOR OVERLOAD 1
DL2	DRIVE MOTOR OVERLOAD 2
DL3	PREWASH MOTOR OVERLOAD
DL4	WASH MOTOR OVERLOAD
DL7	POWER RINSE MOTOR OVERLOAD
DL8	FINAL RINSE MOTOR OVERLOAD
DL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
DL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
PRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
FRFSW1	FINAL RINSE TOP FLOAT SWITCH
FRFSW2	FINAL RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
CF	CONTROL FUSE
DF	DETERGENT FUSE
RF	RINSE AID FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER



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PUMPED FINAL RINSE



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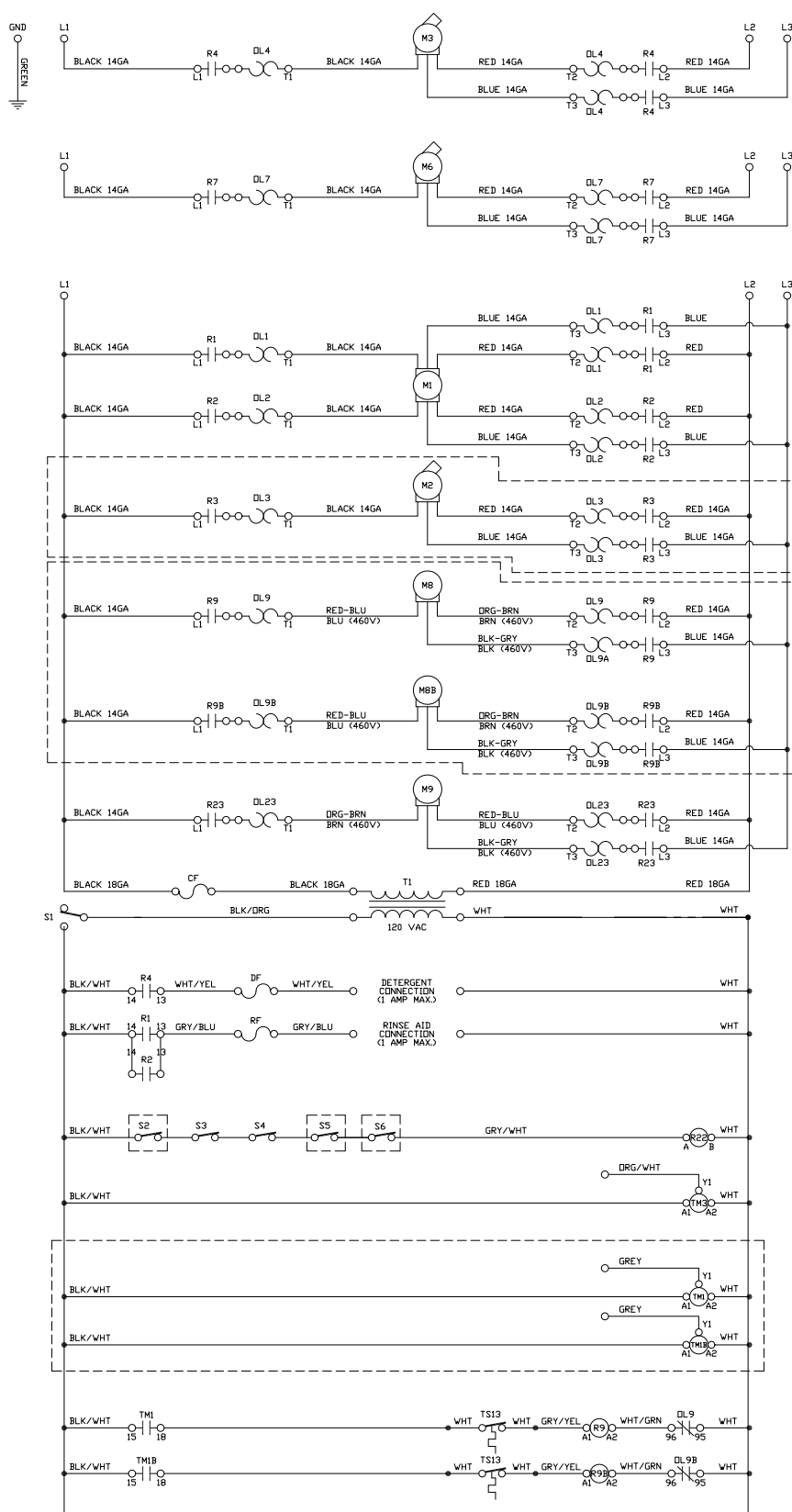
LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR (OPTIONAL)
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M8(B)	BLOWER MOTOR #2 (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR (OPTIONAL)
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R9(B)	BLOWER MOTOR CONTACTOR #2 (OPTIONAL)
R19	ON RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1 PRE-WASH (OPTIONAL)
S3	DOOR SWITCH 2 WASH
S4	DOOR SWITCH 3 POWER RINSE
S5	DOOR SWITCH 4 BLOWER DOOR #1 (OPTIONAL)
S6	DOOR SWITCH 5 BLOWER DOOR #2 (OPTIONAL)
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S16	START BUTTON 3
SK	KEYED SWITCH (OPTIONAL)
S17	STOP BUTTON 3
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
SBS	STEAM BOOSTER SOLENOID
RSS	RINSE STEAM SOLENOID
WSS	WASH STEAM SOLENOID
BSS	BLOWER STEAM SOLENOID (OPTIONAL)
BSS(B)	BLOWER STEAM SOLENOID #2 (OPTIONAL)
TS1	WASH REGULATING THERMOSTAT
TS10	RINSE REGULATING THERMOSTAT
TS13	INTERNAL BLOWER HIGH LIMIT
TS15	STEAM BOOSTER THERMOSTAT
TS16	INTERNAL EXHAUST FAN HIGH LIMIT
DL1	DRIVE MOTOR OVERLOAD 1
DL2	DRIVE MOTOR OVERLOAD 2
DL3	PREWASH MOTOR OVERLOAD (OPTIONAL)
DL4	WASH MOTOR OVERLOAD
DL7	POWER RINSE MOTOR OVERLOAD
DL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
DL9(B)	BLOWER MOTOR OVERLOAD #2 (OPTIONAL)
DL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
RRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH (OPTIONAL)
PWFSW2	PREWASH BOTTOM FLOAT SWITCH (OPTIONAL)
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
CF	CONTROL FUSE
DF	DETERGENT FUSE
RF	RINSE AID FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM1(B)	BLOWER TIMER #2 (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER

DASHED BOXES SHOW
OPTIONAL FEATURES

ELECTRICAL DIAGRAM

208-480 VOLT 50/60 HZ 3-PHASE



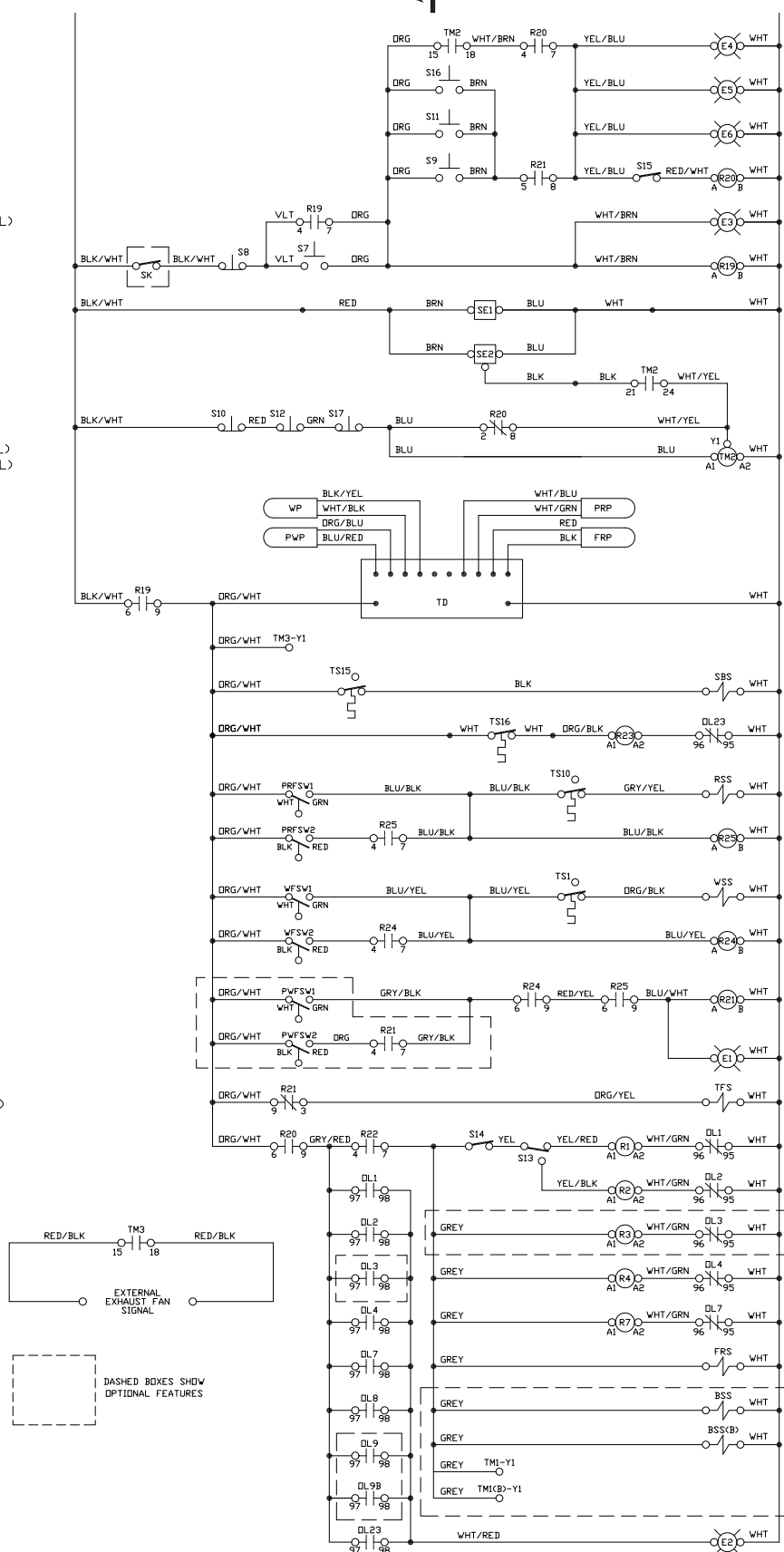
LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR (OPTIONAL)
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M8(B)	BLOWER MOTOR #2 (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR (OPTIONAL)
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R9(B)	BLOWER MOTOR CONTACTOR #2 (OPTIONAL)
R19	ON RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1 PRE-WASH (OPTIONAL)
S3	DOOR SWITCH 2 WASH
S4	DOOR SWITCH 3 POWER RINSE
S5	DOOR SWITCH 4 BLOWER DOOR #1 (OPTIONAL)
S6	DOOR SWITCH 5 BLOWER DOOR #2 (OPTIONAL)
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S16	START BUTTON 3
SK	KEYED SWITCH (OPTION)
S17	STOP BUTTON 3
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
SBS	STEAM BOOSTER SOLENOID
RSS	RINSE STEAM SOLENOID
WSS	WASH STEAM SOLENOID
BSS	BLOWER STEAM SOLENOID (OPTIONAL)
BSS(B)	BLOWER STEAM SOLENOID #2 (OPTIONAL)
TS1	WASH REGULATING THERMOSTAT
TS10	RINSE REGULATING THERMOSTAT
TS13	INTERNAL BLOWER HIGH LIMIT
TS15	STEAM BOOSTER THERMOSTAT
TS16	INTERNAL EXHAUST FAN HIGH LIMIT
DL1	DRIVE MOTOR OVERLOAD 1
DL2	DRIVE MOTOR OVERLOAD 2
DL3	PREWASH MOTOR OVERLOAD (OPTIONAL)
DL4	WASH MOTOR OVERLOAD
DL7	POWER RINSE MOTOR OVERLOAD
DL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
DL9(B)	BLOWER MOTOR OVERLOAD #2 (OPTIONAL)
DL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
RRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH (OPTIONAL)
PWFSW2	PREWASH BOTTOM FLOAT SWITCH (OPTIONAL)
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
CF	CONTROL FUSE
DF	DETERGENT FUSE
RF	RINSE AID FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM1(B)	BLOWER TIMER #2 (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER

DASHED BOXES SHOW
OPTIONAL FEATURES

DASHED BOXES SHOW
OPTIONAL FEATURES

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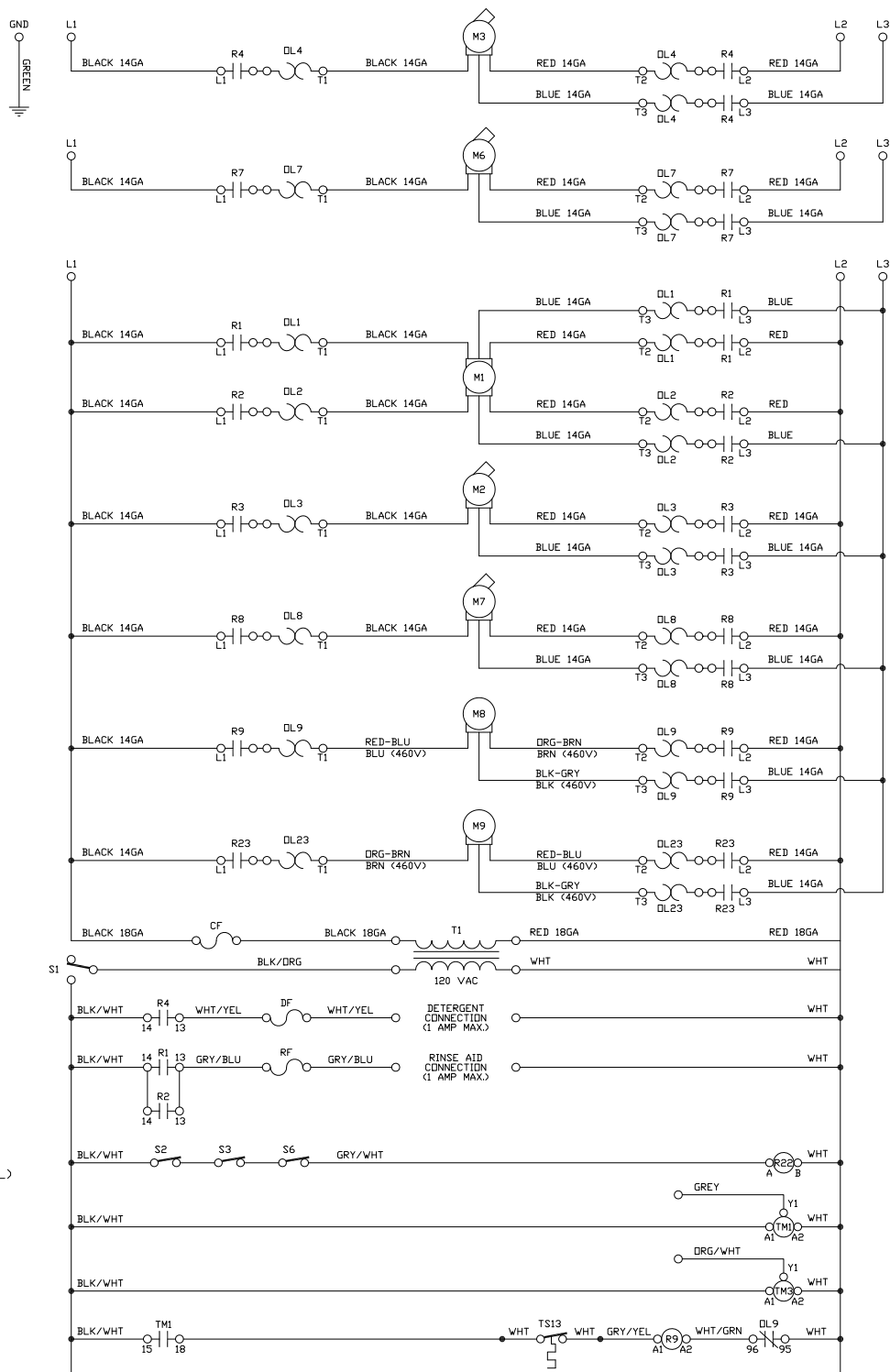
LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M7	FINAL RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R8	FINAL RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R19	DN RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
R26	FINAL RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1
S3	DOOR SWITCH 2
S6	DOOR SWITCH 5
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S16	START BUTTON 3
SK	KEYED SWITCH (OPTION)
S17	STOP BUTTON 3
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
SBS	STEAM BOOSTER SOLENOID
RSS	RINSE STEAM SOLENOID
WSS	WASH STEAM SOLENOID
BSS	BLOWER STEAM SOLENOID (OPTIONAL)
TS1	WASH REGULATING THERMOSTAT
TS10	RINSE REGULATING THERMOSTAT
TS13	INTERNAL BLOWER HIGH LIMIT
TS15	STEAM BOOSTER THERMOSTAT
TS16	INTERNAL EXHAUST FAN HIGH LIMIT
DL1	DRIVE MOTOR OVERLOAD 1
DL2	DRIVE MOTOR OVERLOAD 2
DL3	PREWASH MOTOR OVERLOAD
DL4	WASH MOTOR OVERLOAD
DL7	POWER RINSE MOTOR OVERLOAD
DL8	FINAL RINSE MOTOR OVERLOAD
DL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
DL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	DN LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
RRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
FRFSW1	FINAL RINSE TOP FLOAT SWITCH
FRFSW2	FINAL RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
CF	CONTROL FUSE
DF	DETERGENT FUSE
RF	RINSE AID FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER

JFT-S
ELECTRICAL DIAGRAM

208/230/460 VOLT 50/60 HZ 3 PHASE

PUMPED FINAL RINSE



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L1	L2	L3	POWER DISTRIBUTION BLOCK
GND			GROUND
M1			DRIVE MOTOR
M2			WASH PUMP MOTOR
M3			WASH PUMP MOTOR
M6			POWER RINSE PUMP MOTOR
M7			FINAL RINSE PUMP MOTOR
M8			BLOWER MOTOR (OPTIONAL)
M9			EXHAUST FAN MOTOR
R1			DRIVE MOTOR CONTACTOR 1
R2			DRIVE MOTOR CONTACTOR 2
R3			PREWASH PUMP MOTOR CONTACTOR
R4			WASH PUMP MOTOR CONTACTOR
R7			POWER RINSE PUMP MOTOR CONTACTOR
R8			FINAL RINSE PUMP MOTOR CONTACTOR
R9			BLOWER MOTOR CONTACTOR (OPTIONAL)
R19			DN RELAY
R20			START RELAY
R21			MACHINE FILL RELAY
R22			DDOR RELAY
R23			EXHAUST FAN MOTOR CONTACTOR
R24			WASH TANK FILL RELAY
R25			POWER RINSE TANK FILL RELAY
R26			FINAL RINSE TANK FILL RELAY
S1			EMERGENCY STOP BUTTON
S2			DDOR SWITCH 1
S3			DDOR SWITCH 2
S6			DDOR SWITCH 5
S7			DN BUTTON
S8			OFF BUTTON
S9			START BUTTON 1
S10			STOP BUTTON 1
S11			START BUTTON 2
S12			STOP BUTTON 2
S13			DRIVE MOTOR SELECTOR SWITCH
S14			CONVEYOR JAM SWITCH
S15			DRIVE MOTOR JAM SWITCH
S16			START BUTTON 3
SK			KEYED SWITCH (OPTION)
S17			STOP BUTTON 3
FRS			FINAL RINSE SOLENOID
TFS			TANK FILL SOLENOID
SBS			STEAM BOOSTER SOLENOID
RSS			RINSE STEAM SOLENOID
WSS			WASH STEAM SOLENOID
BSS			BLOWER STEAM SOLENOID (OPTIONAL)
TS1			WASH REGULATING THERMOSTAT
TS10			RINSE REGULATING THERMOSTAT
TS13			INTERNAL BLOWER HIGH LIMIT
TS15			STEAM BOOSTER THERMOSTAT
TS16			INTERNAL EXHAUST FAN HIGH LIMIT
OL1			DRIVE MOTOR OVERLOAD 1
OL2			DRIVE MOTOR OVERLOAD 2
OL3			PREWASH MOTOR OVERLOAD
OL4			WASH MOTOR OVERLOAD
OL7			POWER RINSE MOTOR OVERLOAD
OL8			FINAL RINSE MOTOR OVERLOAD
OL9			BLOWER MOTOR OVERLOAD (OPTIONAL)
OL23			EXHAUST FAN MOTOR OVERLOAD
E1			TANK FILLED LIGHT
E2			MOTOR FAULT LIGHT
E3			DN LIGHT
E4			START LIGHT 1
E5			START LIGHT 2
E6			START LIGHT 3
PWP			PREWASH PROBE
WP			WASH PROBE
RRP			POWER RINSE PROBE
FRP			FINAL RINSE PROBE
TD			TEMPERATURE DISPLAY
PWFSW1			PREWASH TOP FLOAT SWITCH
PWFSW2			PREWASH BOTTOM FLOAT SWITCH
PWFSW1			WASH TOP FLOAT SWITCH
PWFSW2			WASH BOTTOM FLOAT SWITCH
PRFSW1			POWER RINSE TOP FLOAT SWITCH
PRFSW2			POWER RINSE BOTTOM FLOAT SWITCH
FRFSW1			FINAL RINSE BOTTOM FLOAT SWITCH
FRFSW2			FINAL RINSE TOP FLOAT SWITCH
T1			CONTROL TRANSFORMER
CF			CONTROL FUSE
DF			DETERGENT FUSE
RF			RINSE AID FUSE
TM1			BLOWER TIMER (OPTIONAL)
TM2			AUTO SHUTOFF TIMER
TM3			EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1			SENSOR - EMITTER
SE2			SENSOR - RECEIVER

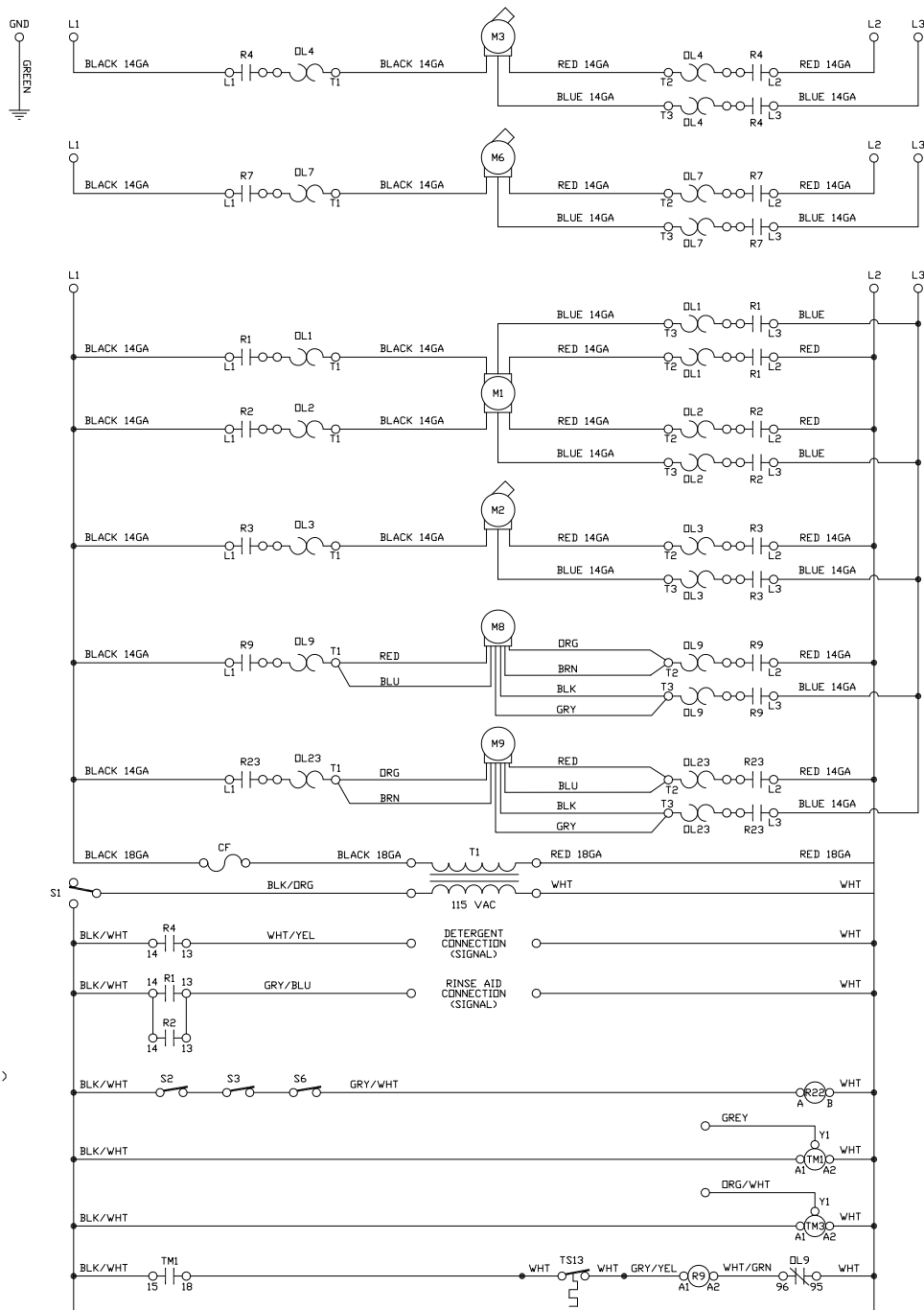


LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R19	DN RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1
S3	DOOR SWITCH 2
S6	DOOR SWITCH 5
S7	DN BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
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S16	START BUTTON 3
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FRS	FINAL RINSE SOLENOID
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TS1	WASH REGULATING THERMOSTAT
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DL1	DRIVE MOTOR OVERLOAD 1
DL2	DRIVE MOTOR OVERLOAD 2
DL3	PREWASH MOTOR OVERLOAD
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DL7	POWER RINSE MOTOR OVERLOAD
DL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
DL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	DN LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
VP	WASH PROBE
RP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
CF	CONTROL FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER

JFT-S
ELECTRICAL DIAGRAM

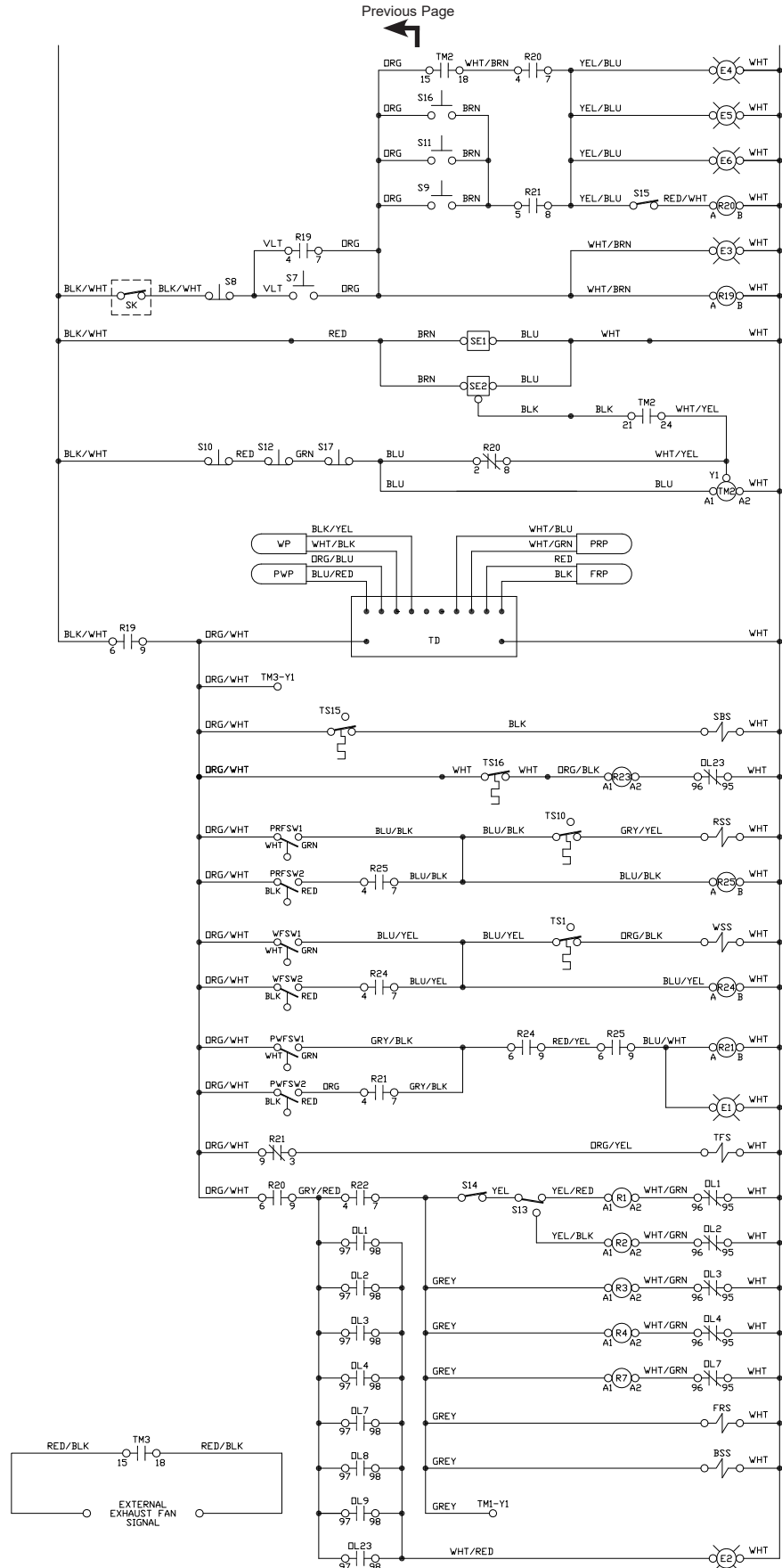
200 VOLT 50/60 HZ 3 PHASE



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LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
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S2	DOOR SWITCH 1
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S9	START BUTTON 1
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S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
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DL1	DRIVE MOTOR OVERLOAD 1
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DL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
DL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
RRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
CF	CONTROL FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER





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