

INSTALLATION, OPERATION & SERVICE MANUAL

INSTALLATION MANUAL FOR EXPORT UNITS
SERVICE MANUAL FOR DOMESTIC UNITS

FOR JACKSON MODELS:

10A

10AB

10APRB

10U

HIGHER HOOD OPTION



Warewashing Systems

MANUFACTURERS WARRANTY

ONE YEAR LIMITED PARTS & 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 applicable factory instruction manual furnished with the machine and failure is reported to the 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 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, pressure regulators, 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 authorized persons, improper installation, if serial number has been removed or altered, or if unit is used for 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 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 days from date of installation or 180 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 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 THE 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, RINSE ARMS OR STRAINERS AT ANYTIME. NOR DOES IT COVER ADJUSTMENTS SUCH AS, BUT NOT LIMITED TO TIMER CAMS, THERMOSTATS OR DOORS, BEYOND 30 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 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
D	02-26-04	MAW	6742	Added 10U installation pictures and the 10U description to applicable parts. Converted manual to new design.
E	02-10-14	MHH	QOF-NDB	Updated manufacturer logos Corrected image on page 9



10 SERIES

Electrically-Heated Round Dishmachine

10A: without booster tank

10AB: with booster tank

10APRB: with booster tank and power rinse pump

10U: with booster tank, 4" shorter hood and 9" shorter legs

Higher Hood Option: Hood is 5" higher than standard hood

Model: _____

Serial No.: _____

Installation Date: _____

Service Rep. Name: _____

Phone Number: _____

Jackson WWS, INC 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. Please remember that technical support is available for service personnel only.

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SCHEMATICS

Booster Heater, 3-Phase73
Booster Heater, 1-Phase, 12kW74

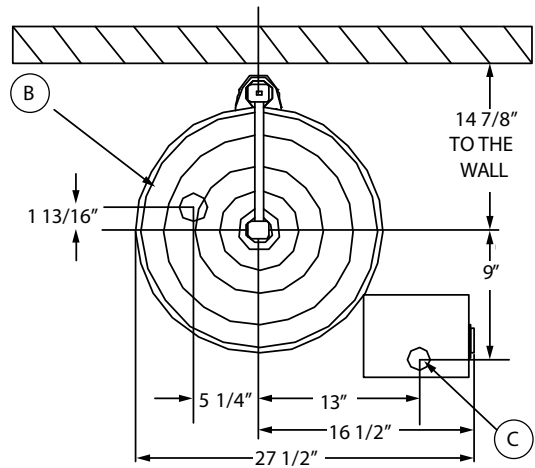
MAINTENANCE & REPAIR CENTERS

Authorized Service Centers 89

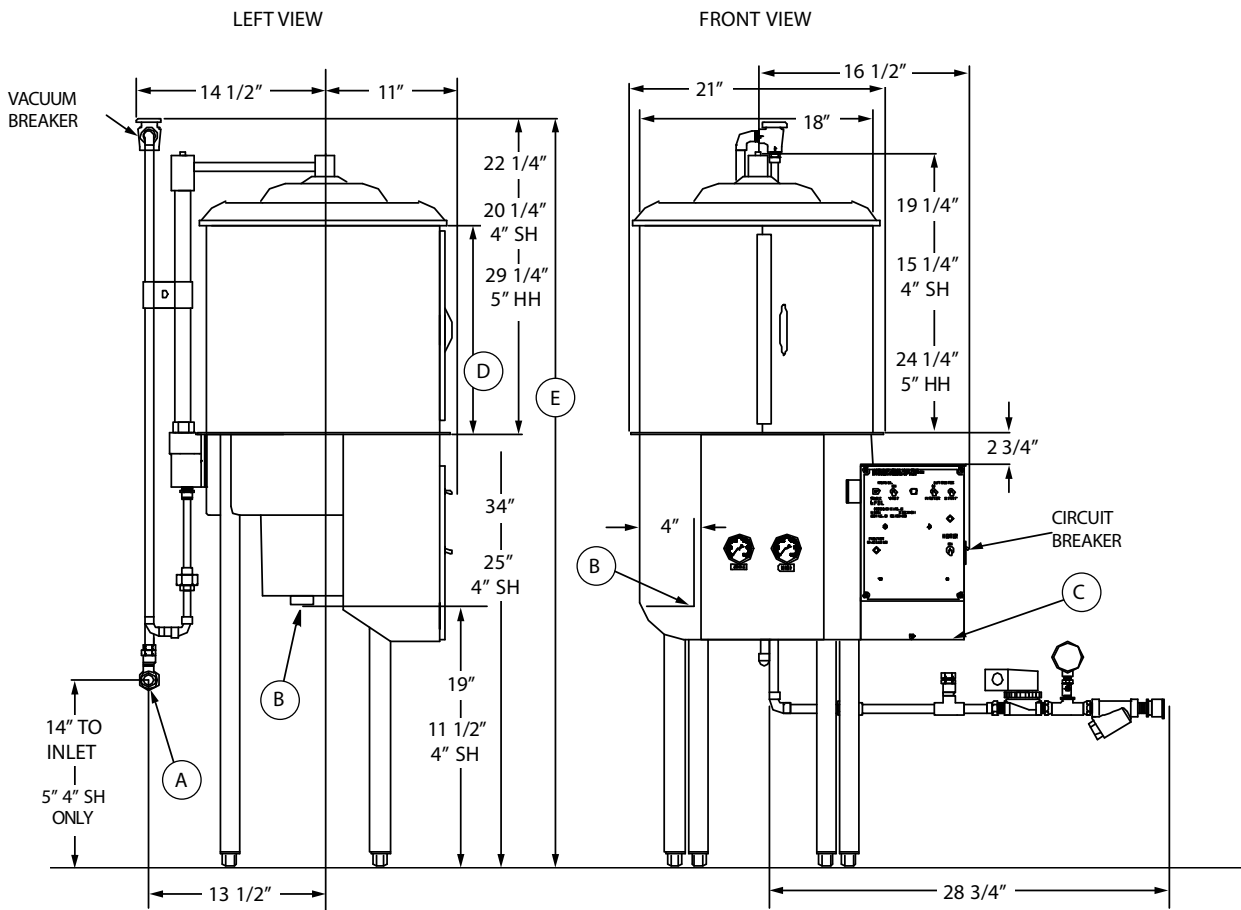
SPECIFICATIONS

MACHINE DIMENSIONS, 44"

44" LEFT TO RIGHT



TOP VIEW



*Applies to steam-heated units

**Chemical-sanitizing units only

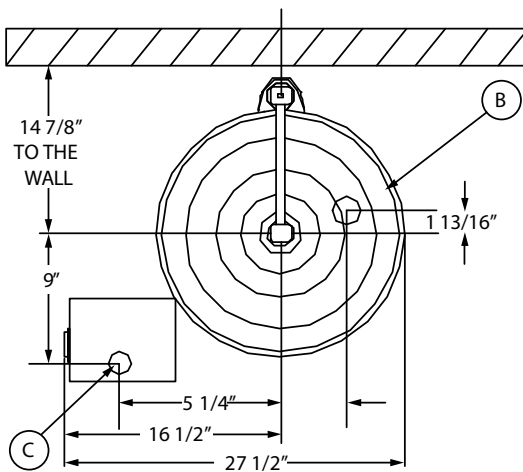
E1	MAIN ELECTRICAL CONNECTION (1.375" DIA HOLE)
E2	BOOSTER HEATER ELECT. CONNECTION (1.375" DIA)
W	MAIN INLET WATER CONNECTION (1/2 NPT-F)
D	DRAIN CONNECTION (1-1/2" NPT-F)
DET	DETERGENT BULKHEAD ACCESS (.875" DIA HOLE)
SAN**	SANITIZER INLET TO RINSE (1/8" NPT-F)

RA	RINSE AID CONNECTION TO RINSE (1/8" NPT-F)
CP	CONDUCTIVITY PROBE ACCESS (.875" DIA HOLE)
S*	STEAM TO WASH TUB HEATING COIL (3/4" NPT-F)
C*	CONDENSATE RETURN (3/4" NPT-F)
VI	VENTILATION DUCT CONN. (LOAD END) 4" x 16" ID
V2	VENTILATION DUCT CONN. (UNLOAD END) 4" x 16" ID

SPECIFICATIONS

MACHINE DIMENSIONS, 44"

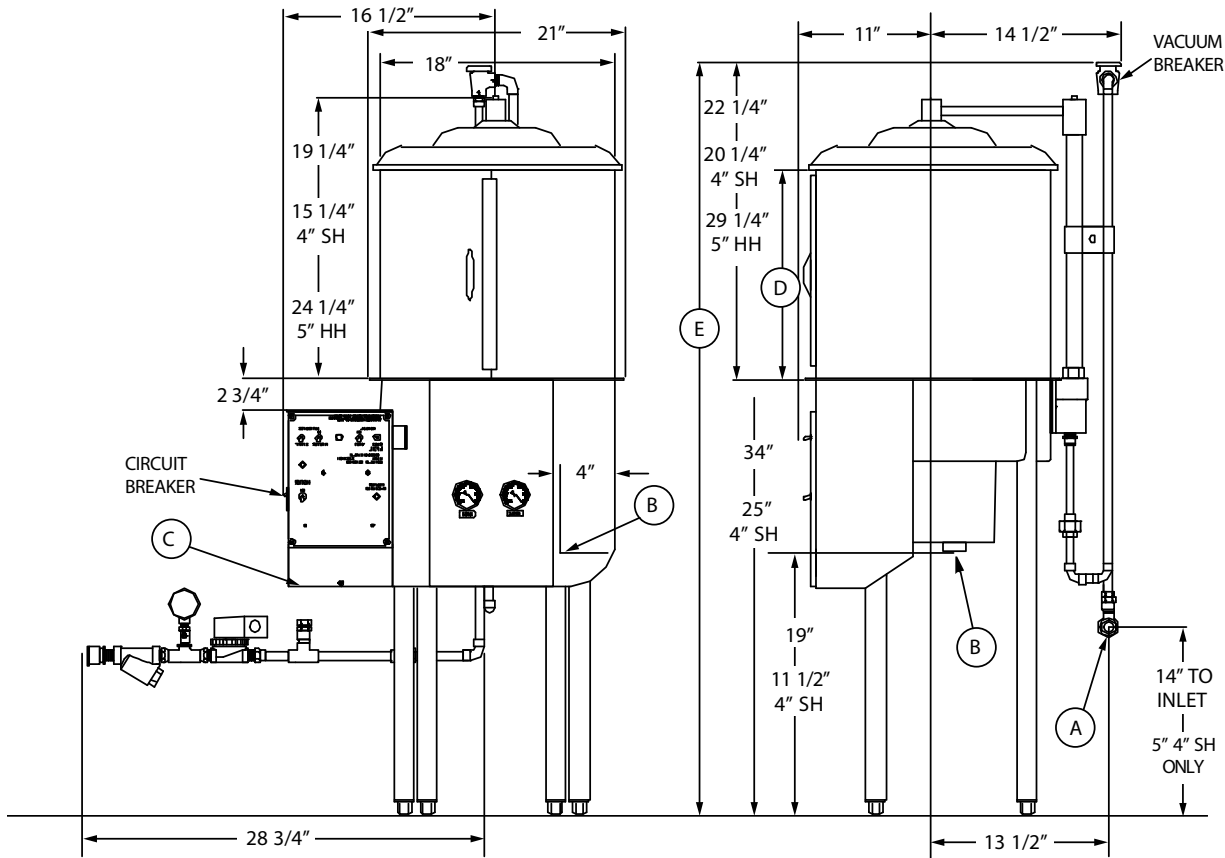
44" RIGHT TO LEFT



TOP VIEW

FRONT VIEW

LEFT VIEW



E1	MAIN ELECTRICAL CONNECTION (1.375" DIA HOLE)
E2	BOOSTER HEATER ELECT. CONNECTION (1.375" DIA)
W	MAIN INLET WATER CONNECTION (1/2 NPT-F)
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C*	CONDENSATE RETURN (3/4" NPT-F)
VI	VENTILATION DUCT CONN. (LOAD END) 4" x 16" ID
V2	VENTILATION DUCT CONN. (UNLOAD END) 4" x 16" ID

SPECIFICATIONS

MACHINE DIMENSIONS, 66"

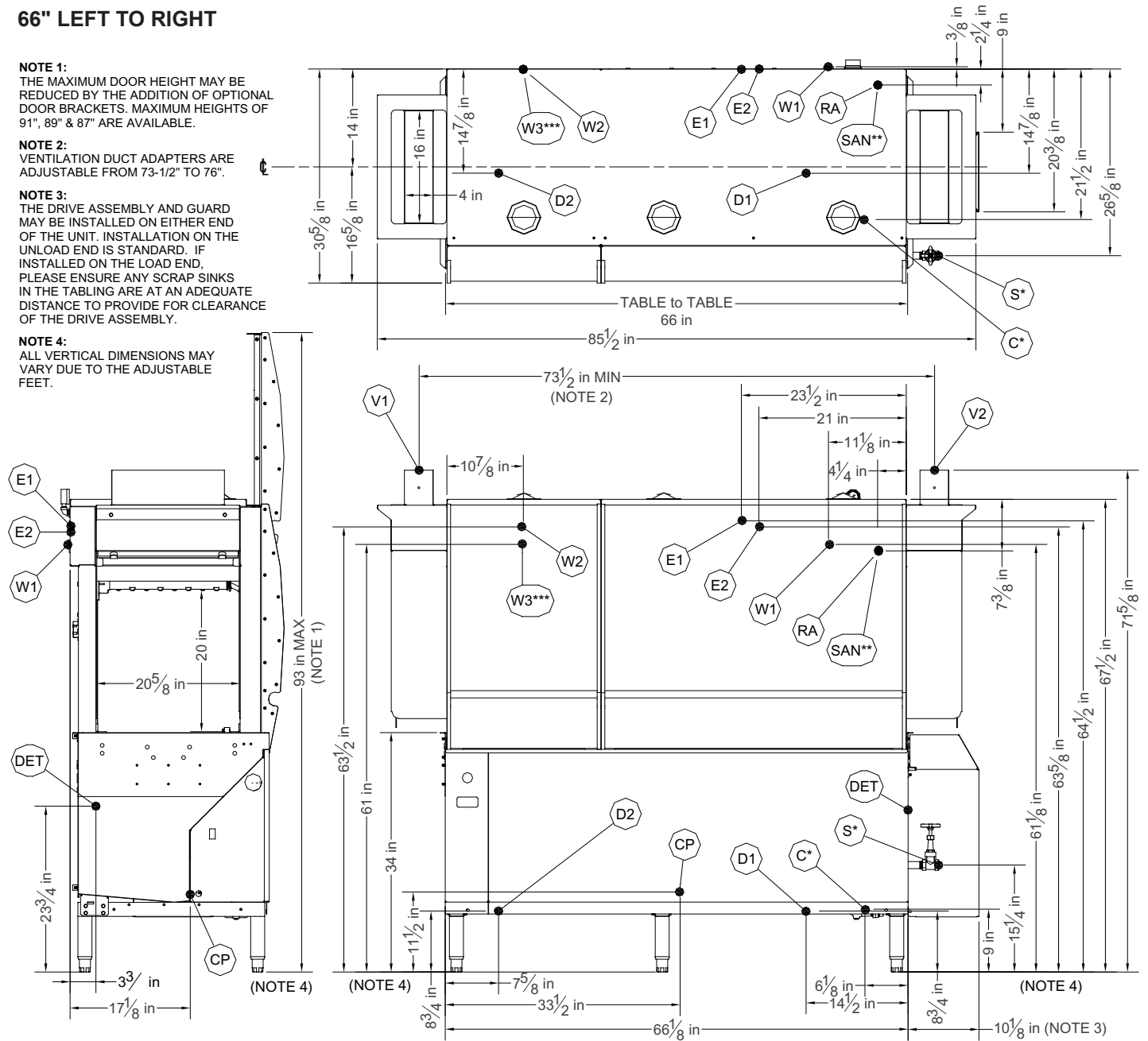
66" LEFT TO RIGHT

NOTE 1:
THE MAXIMUM DOOR HEIGHT MAY BE REDUCED BY THE ADDITION OF OPTIONAL DOOR BRACKETS. MAXIMUM HEIGHTS OF 91", 89" & 87" ARE AVAILABLE.

NOTE 2:
VENTILATION DUCT ADAPTERS ARE ADJUSTABLE FROM 73-1/2" TO 76".

NOTE 3:
THE DRIVE ASSEMBLY AND GUARD MAY BE INSTALLED ON EITHER END OF THE UNIT. INSTALLATION ON THE UNLOAD END IS STANDARD. IF INSTALLED ON THE LOAD END, PLEASE ENSURE ANY SCRAP SINKS IN THE TABLING ARE AT AN ADEQUATE DISTANCE TO PROVIDE FOR CLEARANCE OF THE DRIVE ASSEMBLY.

NOTE 4:
ALL VERTICAL DIMENSIONS MAY VARY DUE TO THE ADJUSTABLE FEET.



*Applies to steam-heated units

**Chemical-sanitizing units only

***Pre-wash cold water thermostat option only

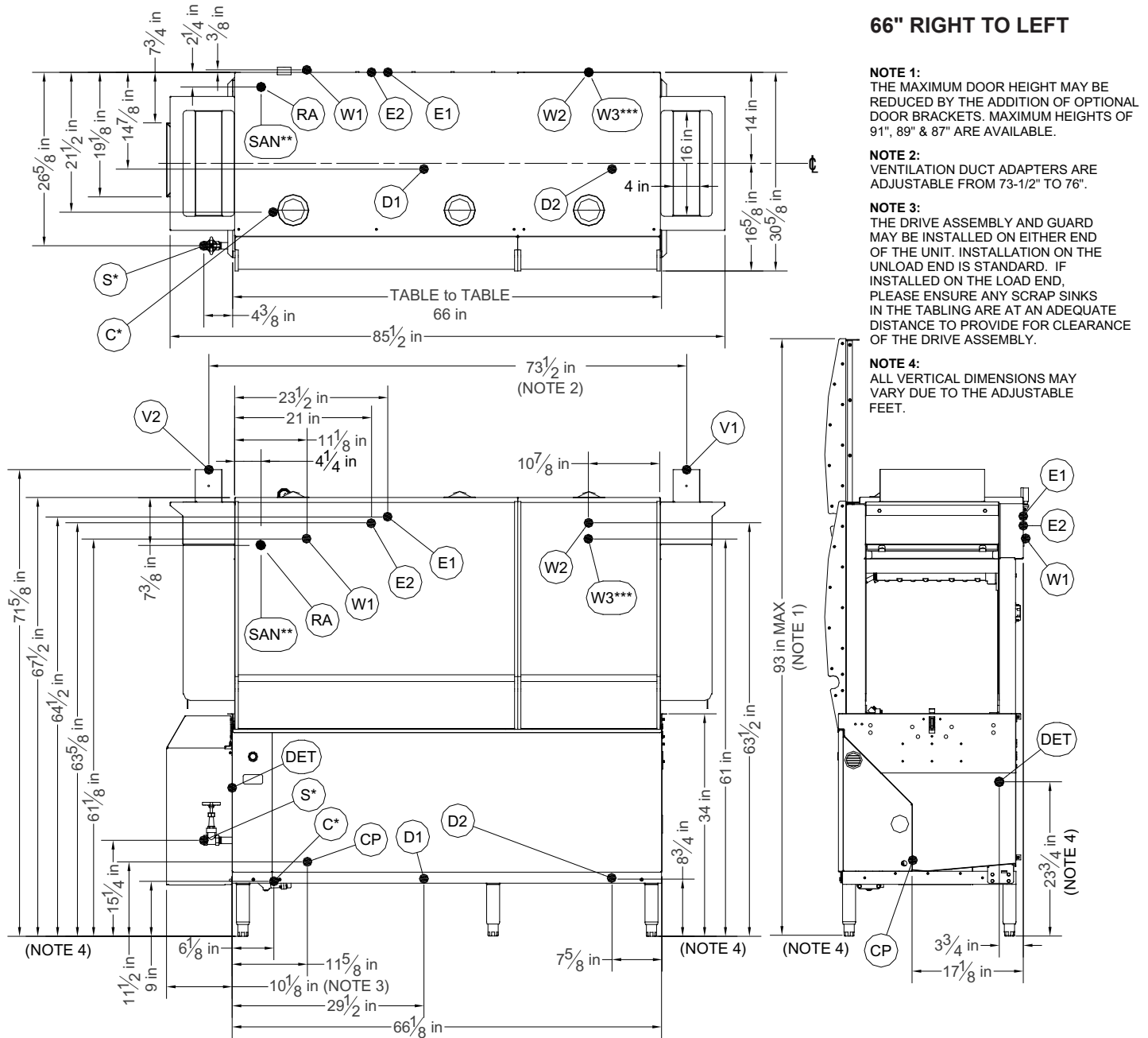
E1	MAIN ELECTRICAL CONNECTION (1.375" DIA HOLE)
E2	BOOSTER HEATER ELECT. CONNECTION (1.375" DIA)
W1	MAIN INLET WATER CONNECTION (1/2 NPT-F)
W2	PRE-WASH INLET WATER CONN. (1/2 NPT-F)
W3***	PRE-WASH COLD WATER CONN. (1/2 NPT-F)
D1	DRAIN CONNECTION, WASH (1-1/2" NPT-F)
D2	DRAIN CONNECTION, PRE-WASH (1-1/2" NPT-F)
DET	DETERGENT BULKHEAD ACCESS (.875" DIA HOLE)

SAN**	SANITIZER INLET TO RINSE (1/8" NPT-F)
RA	RINSE AID CONNECTION TO RINSE (1/8" NPT-F)
CP	CONDUCTIVITY PROBE ACCESS (.875" DIA HOLE)
S*	STEAM TO WASH TUB HEATING COIL (3/4" NPT-F)
C*	CONDENSATE RETURN (3/4" NPT-F)
V1	VENTILATION DUCT CONN. (LOAD END) 4" x 16" ID
V2	VENTILATION DUCT CONN. (UNLOAD END) 4" x 16" ID

SPECIFICATIONS

MACHINE DIMENSIONS, 66"

66" RIGHT TO LEFT



NOTE 1:
THE MAXIMUM DOOR HEIGHT MAY BE REDUCED BY THE ADDITION OF OPTIONAL DOOR BRACKETS. MAXIMUM HEIGHTS OF 91", 89" & 87" ARE AVAILABLE.

NOTE 2:
VENTILATION DUCT ADAPTERS ARE ADJUSTABLE FROM 73-1/2" TO 76".

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NOTE 4:
ALL VERTICAL DIMENSIONS MAY VARY DUE TO THE ADJUSTABLE FEET.

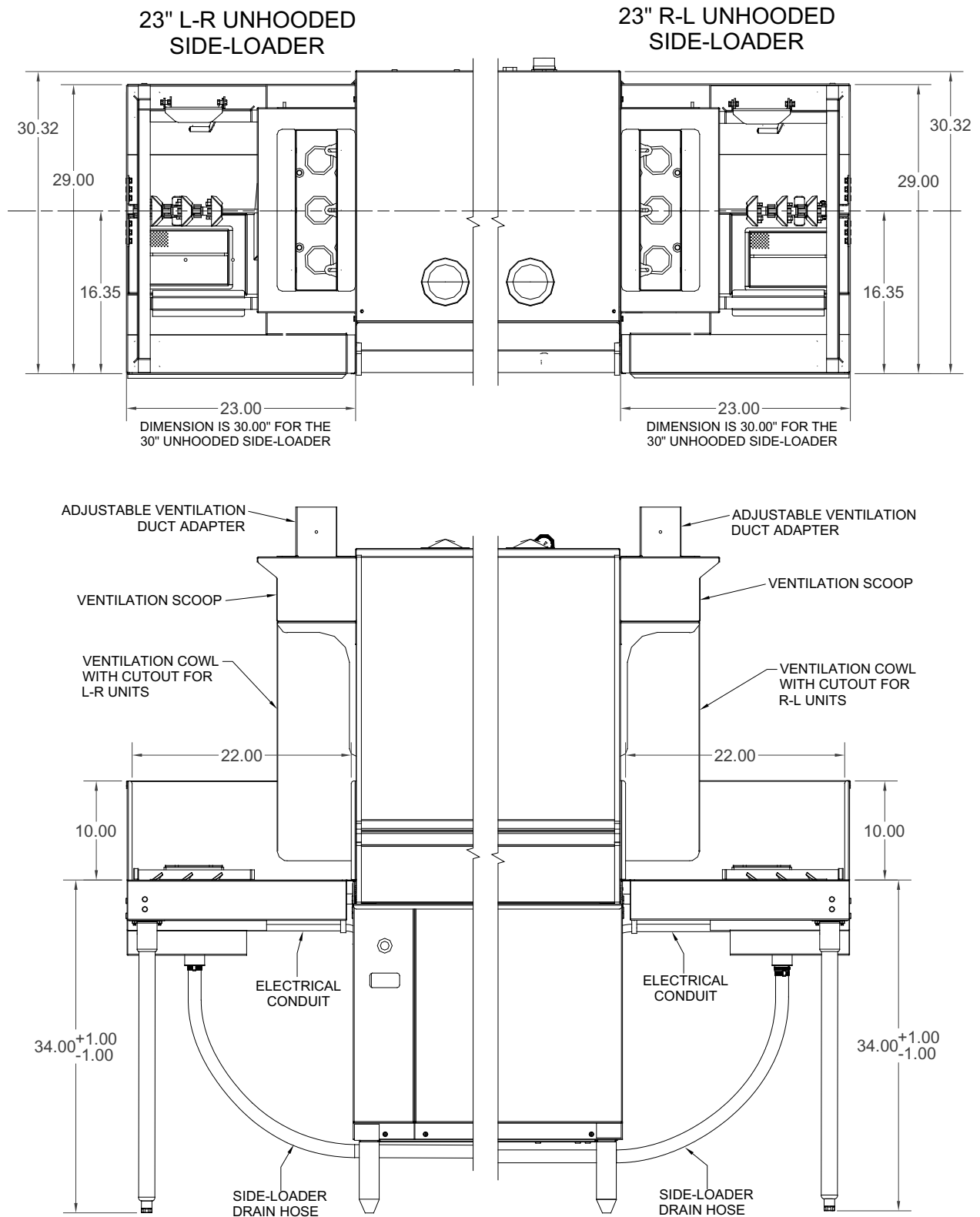
- *Applies to steam-heated units
- **Chemical-sanitizing units only
- ***Pre-wash cold water thermostat option only

E1	MAIN ELECTRICAL CONNECTION (1.375" DIA HOLE)
E2	BOOSTER HEATER ELECT. CONNECTION (1.375" DIA)
W1	MAIN INLET WATER CONNECTION (1/2 NPT-F)
W2	PRE-WASH INLET WATER CONN. (1/2 NPT-F)
W3***	PRE-WASH COLD WATER CONN. (1/2 NPT-F)
D1	DRAIN CONNECTION, WASH (1-1/2" NPT-F)
D2	DRAIN CONNECTION, PRE-WASH (1-1/2" NPT-F)
DET	DETERGENT BULKHEAD ACCESS (.875" DIA HOLE)

SAN**	SANITIZER INLET TO RINSE (1/8" NPT-F)
RA	RINSE AID CONNECTION TO RINSE (1/8" NPT-F)
CP	CONDUCTIVITY PROBE ACCESS (.875" DIA HOLE)
S*	STEAM TO WASH TUB HEATING COIL (3/4" NPT-F)
C*	CONDENSATE RETURN (3/4" NPT-F)
V1	VENTILATION DUCT CONN. (LOAD END) 4" x 16" ID
V2	VENTILATION DUCT CONN. (UNLOAD END) 4" x 16" ID

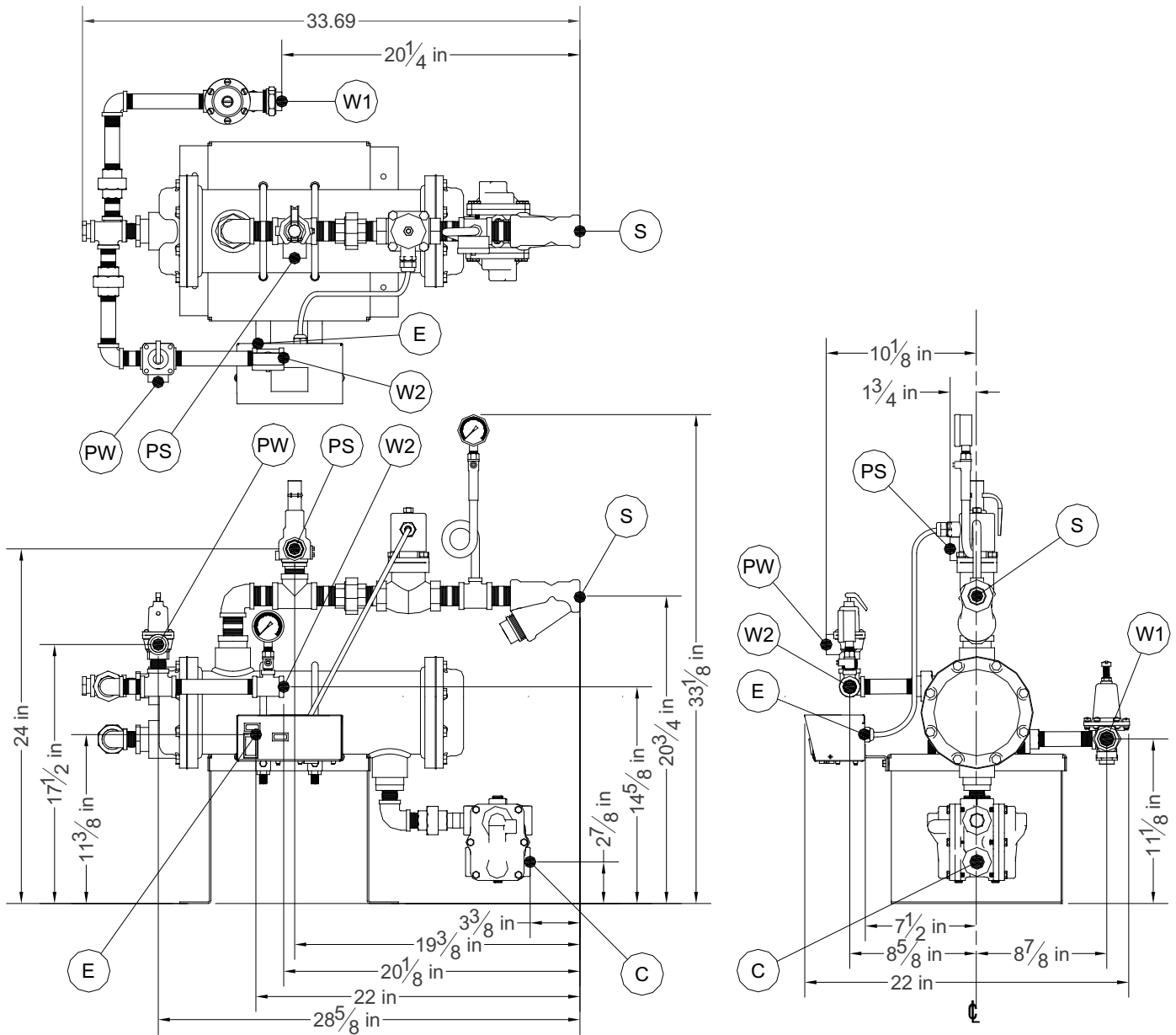
SPECIFICATIONS

SIDE-LOADER DIMENSIONS



SPECIFICATIONS

STEAM BOOSTER HEATER DIMENSIONS



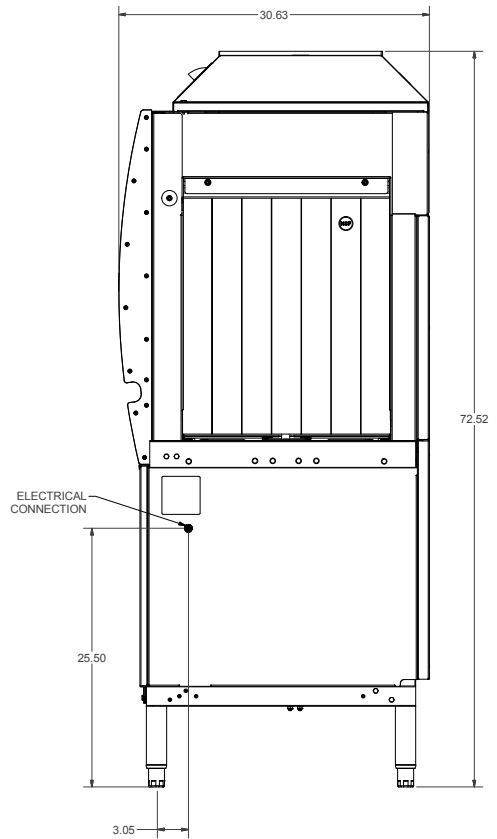
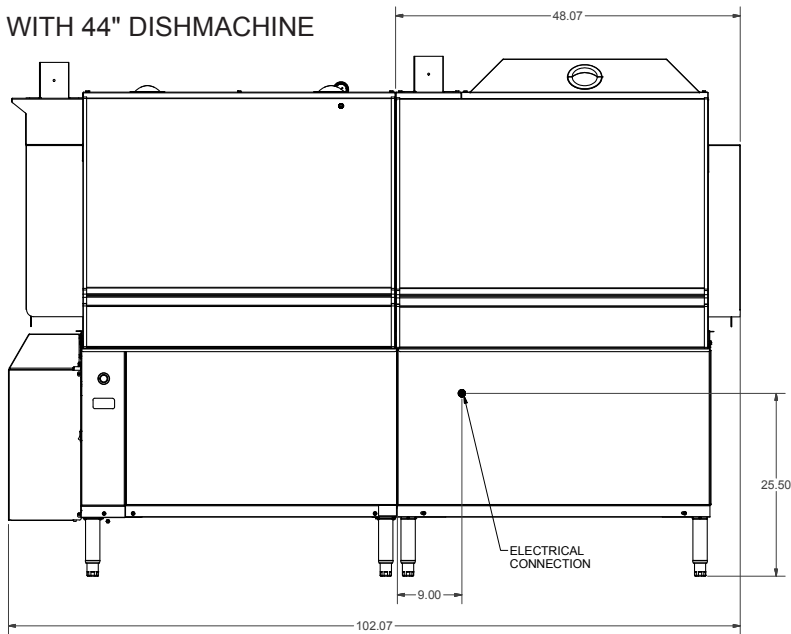
E	MAIN ELECTRICAL CONNECTION (7/8" DIA HOLE)
W1	MAIN INLET WATER CONNECTION (3/4" NPT-F)
W2	WATER OUTLET CONNECTION (3/4" NPT-F)
PW	WATER PRESSURE RELIEF OUTLET (3/4" NPT-F)

PS	STEAM PRESSURE RELIEF OUTLET (1" NPT-F)
S	STEAM SUPPLY TO BOOSTER (1" NPT-F)
C	STEAM CONDENSATE CONNECTION (3/4" NPT-F)

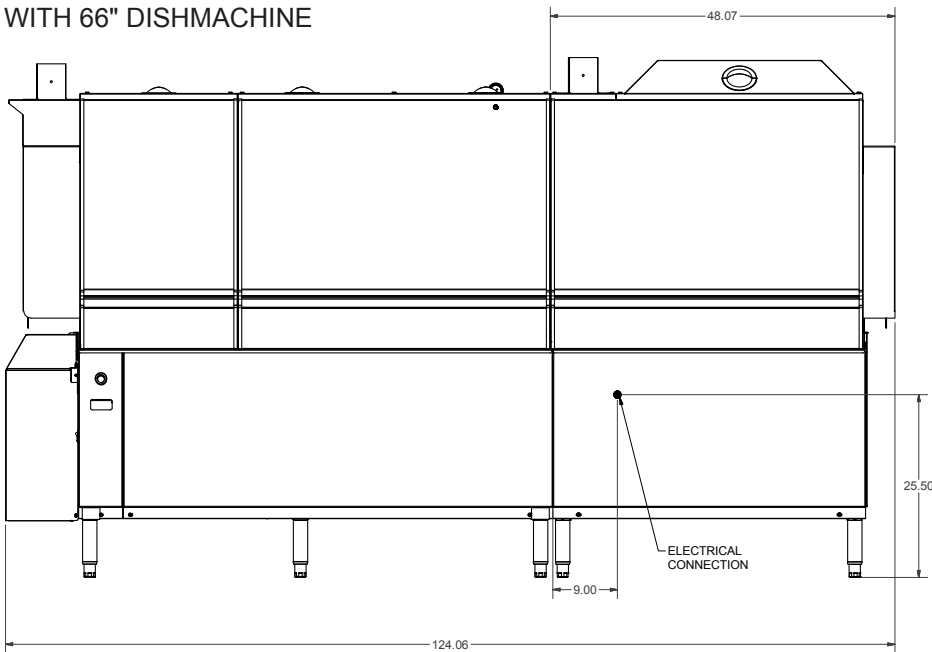
SPECIFICATIONS

BLOWER DRYER OPTION: MACHINE DIMENSIONS

WITH 44" DISHMACHINE



WITH 66" DISHMACHINE



Machine Dimensions:

Height	72.5"
Width	48"
Depth	30.625"

Wall Clearance:

Height	5"
Width	19.75"
Depth	21"

Shipping Weight: 750lbs.

Shipping Size:

Length	77"
Depth	41"
Height	89"

SPECIFICATIONS
OPERATING PARAMETERS

Model Designation:	44"	66"	44" STEAM	66" STEAM
Operating Capacity:				
Racks per Hour	218	218	218	218
Dishes per Hour	3488	3488	3488	3488
Glasses per Hour	7848	7848	7848	7848
Tank Capacity (Gallons):				
Wash Tank	35.6	35.6	35.6	35.6
Pre-Wash Tank	N/A	15.8	N/A	15.8
Electrical Loads (as applicable):				
Wash Motor HP	3.0	3.0	3.0	3.0
Drive Motor HP	0.25	0.25	0.25	0.25
Pre-Wash Motor HP	N/A	2.0	N/A	2.0
Wash Heater kW	15 or 18	18	N/A	N/A

NOTE: 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.

SPECIFICATIONS

OPERATING & ELECTRICAL REQUIREMENTS

Operating Capacity (Racks/Hour):

Racks per Hour	45
Dishes per Hour	950
Glasses per Hour	950

Operating Cycle (Seconds):

Wash Time	60
Rinse Time	10
Total Cycle Time	72

Tank Capacity (Gallons):

Wash Tank	4.5
Booster Tank (10AB/10APRB/10U only)	3.0

Pump Capacity (Gallons):

Wash Pump	70 GPM
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Temperatures:

Wash (<i>minimum</i>)	150 °F
Rinse (<i>minimum</i>)	180 °F

Electrical Requirements:

Wash Pump Motor HP	1/2
Rinse Pump Motor HP (10APRB only)	1/2

Water Requirements:

Inlet Temperature (10A)	180 °F
Inlet Temperature (10AB/10APRB/10U)	140 °F
Water Line Size NPT (<i>minimum</i>)	1/2"
Drain Line Size I.D. (<i>minimum</i>)	1 1/2"
Gallons Per Hour	58
Flow Pressure P.S.I.	20±5
Flow Rate GPM	7.8

Racks:

Dish (17 1/2" diameter round)	1
Glass & Silverware (17 1/2" diameter round)	1
Four Compartment Silverware	1

MODEL	VOLTS	HERTZ	PHASE	AMPS
10A	208	60	1	8.23
10A	220	60	1	8.23
10AB/10U	208	60	1	38.8
10AB/10U	208	60	3	25.6
10AB/10U	220	60	1	37.2
10AB10U	220	60	3	24.6
10APRB	208	60	1	43.4
10APRB	208	60	3	30.2
10APRB	220	60	1	41.8
10APRB	220	60	3	29.2

SPECIFICATIONS

ELECTRICAL REQUIREMENTS

44" with 15kW Wash Heater

Volts	Phase	Freq	Wash Motor Amps	Drive Motor Amps	Wash Heater Amps	FLA	MCA	MOP
208	1	60	10.0	1.8	72.1	83.9	86.4	96.4
230	1	60	10.0	1.8	*59.9	71.7	74.2	84.2
240	1	60	10.0	1.8	62.5	74.3	76.8	86.8
208	3	60	8.6	1.1	41.6	51.3	53.5	62.1
230	3	60	8.4	1.1	*34.6	44.1	46.2	54.6
240	3	60	8.4	1.1	36.1	45.6	47.7	56.1
460	3	60	4.2	0.6	**17.3	22.1	23.2	27.4
480	3	60	4.2	0.6	18.1	22.9	24.0	28.2

44" with 18kW Wash Heater

Volts	Phase	Freq	Wash Motor Amps	Drive Motor Amps	Wash Heater Amps	FLA	MCA	MOP
208	1	60	10.0	1.8	86.5	98.3	100.8	110.8
230	1	60	10.0	1.8	*71.9	83.7	86.2	96.2
240	1	60	10.0	1.8	75.0	86.8	89.3	99.3
208	3	60	8.6	1.1	50.0	59.7	61.9	70.5
230	3	60	8.4	1.1	*41.5	51.0	53.1	61.5
240	3	60	8.4	1.1	43.4	52.9	55.0	63.4
460	3	60	4.2	0.6	**20.8	25.6	26.7	30.9
480	3	60	4.2	0.6	21.7	26.5	27.6	31.8

44" Steam

Volts	Phase	Freq	Wash Motor Amps	Drive Motor Amps	FLA	MCA	MOP
208	1	60	10.0	1.8	11.8	14.3	24.3
230	1	60	10.0	1.8	11.8	14.3	24.3
208	3	60	8.6	1.1	9.7	11.9	20.5
230	3	60	8.4	1.1	9.5	11.6	20.0
460	3	60	4.2	0.6	4.8	5.9	10.1

*Denotes 240 volt heating elements that have been down-rated when 230 volts is applied.

**Denotes 480 volt heating elements that have been down-rated when 460 volts is applied.

SPECIFICATIONS

ELECTRICAL REQUIREMENTS

66" with 18kW Wash Heater

Volts	Phase	Freq	Pre-Wash Motor Amps	Wash Motor Amps	Drive Motor Amps	Wash Heater Amps	FLA	MCA	MOP
208	1	60	10.2	10.0	1.8	86.5	108.5	111.1	121.3
230	1	60	9.4	10.0	1.8	*71.9	93.1	95.6	105.6
240	1	60	9.4	10.0	1.8	75.0	96.2	98.7	108.7
208	3	60	6.8	8.6	1.1	50.0	66.5	68.7	77.3
230	3	60	6.4	8.4	1.1	*41.5	57.47	59.5	67.9
240	3	60	6.4	8.4	1.1	43.4	59.3	61.4	69.8
460	3	60	3.2	4.2	0.6	**20.8	28.8	29.9	34.1
480	3	60	3.2	4.2	0.6	21.7	29.7	30.8	35.0

66" Steam

Volts	Phase	Freq	Pre-Wash Motor Amps	Wash Motor Amps	Drive Motor Amps	FLA	MCA	MOP
208	1	60	10.2	10.0	1.8	22.0	24.6	34.8
230	1	60	9.4	10.0	1.8	21.2	23.7	33.7
208	3	60	6.8	8.6	1.1	16.5	18.7	27.3
230	3	60	6.4	8.4	1.1	15.9	18.0	26.4
460	3	60	3.2	4.2	0.6	8.0	9.1	13.3

*Denotes 240 volt heating elements that have been down-rated when 230 volts is applied.

**Denotes 480 volt heating elements that have been down-rated when 460 volts is applied.

40°F Rise – 12kW Booster

Volts	Phase	Freq	Rinse Heater Amps	FLA
208	1	60	57.7	57.7
230	1	60	47.9	47.9
208	3	60	33.3	33.3
230	3	60	27.7	27.7
460	3	60	13.8	13.8

40°F Rise – 12kW Booster

Volts	Phase	Freq	Rinse Heater Amps	FLA
208	1	60	82.7	82.7
230	1	60	71.9	71.9
208	3	60	47.7	47.7
230	3	60	41.5	41.5
460	3	60	20.7	20.7

Note: On the 208 volt machines, the rinse heater is actually rated at 17.2kW.

Blower Dryer

VOLTS	PHASE	FREQ	AMPS
208	3	60	32.2
230	3	60	22.9
460	3	60	13.4

INSTALLATION

INSTRUCTIONS

VISUAL INSPECTION: Before installing the unit, check the container and the machine for damage. A damaged container may be an indication that there is damage to the product. If there is any type of damage to both the container and the unit, **DO NOT THROW AWAY THE CONTAINER.** The dishmachine has been previously inspected at the factory and is expected to arrive in new, undamaged condition. However, rough handling by carriers or others may result in damage to the unit while it is 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. Request that an inspection report be completed. Contact the carrier within 48 hours of receiving the machine (to report possible freight damage) and the dealer from whom the unit was purchased.

UNPACKING THE MACHINE: The machine should be unboxed and removed from the pallet prior to installing. Remove the wooden lift beams and their associated brackets after the unit has been positioned. Open the front door and remove all of the materials from the inside. Once unpacked, verify that there are no missing parts. If a part is missing, contact the manufacturer immediately.

LEVEL THE DISH MACHINE: 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 possible. The unit comes equipped with adjustable bullet feet which can be turned using a pair of pliers. Verify the unit is level from front to back and side to side before making any electrical or plumbing connections.

PLUMBING THE MACHINE: All plumbing connections must be made to adhere to local, state, territorial and national codes. The installing plumber is responsible for ensuring the incoming water lines are flushed of debris prior to connecting to the machine. Note that chips and materials from cutting processes can become lodged in the solenoid valves and prevent them from opening or closing. Any valves that are found to be fouled or defective because of foreign matter left in the water line, and any subsequent water damage, are not the responsibility of the manufacturer.

Water hardness should be a maximum of 6 grains per gallon. Hard water should be treated before being used by the machine. Iron in the water line can cause staining. A filter designed to remove iron from the water supply (**not supplied** with dishmachine) is highly recommended for supplies in excess of 0.1 ppm.

This dishmachine comes with a Water Pressure Regulating Valve. The unit utilizes a flow pressure of 15 PSI for the incoming water line. Do not confuse static pressure with flow pressure. Static pressure occurs when there is no flow and the valves are closed. Flow pressure occurs when water is running into the machine. The WPRV should be adjusted to the proper flow pressure at a minimum.

The water supply line shall be 1/2" NPT minimum and must be able to provide water at the minimum temperature indicated on the machine data plate.

It is recommended that a shut-off valve be installed to allow isolating the dishmachine from the water system in the event that maintenance or other activities are required. Also, it is suggested that a shock absorber (**not supplied** with dishmachine) be installed on the incoming water line. This prevents water hammer (hydraulic shock)—induced by the solenoid valve as it operates—from causing damage to the equipment.

CONNECTING THE DRAIN LINE: The drain for the unit is a gravity discharge drain. All piping to the machine drain must be a minimum 1-1/2" NPT and must not be reduced. There must also be an air gap between the machine drain line and the floor sink or drain. If a grease trap is required by code, it should have a flow capacity of 5 gallons. 44" units have one drain connection point, 66" units have two.

STEAM LINE CONNECTIONS: Some machines covered in this manual are designed to use low pressure steam as a source of heat for the wash tank. Those machines come with lines by which an outside source of steam (i.e. steam booster) is connected. Connect all steam lines from the booster to the machine in accordance with the booster manufacturer's instructions. Ensure that all applicable codes and regulations are adhered to. See the machine data plate for information related to steam flow requirements.

ELECTRICAL POWER CONNECTIONS: All electrical connections are to be made in accordance with applicable portions of local, state, territorial and national codes.

DISCONNECT ELECTRICAL POWER SUPPLIES AND TAG OUT IN ACCORDANCE WITH APPROPRIATE PROCEDURES AND CODES AT THE DISCONNECT SWITCH TO INDICATE THE CIRCUIT IS BEING SERVICED.

This manual provides reference information regarding electrical requirements and loads, but that information may change without notice. Always refer to the machine data plate for voltage requirements, machine voltage, total amperage load and serial number. If a data plate has been damaged and cannot be read, contact the manufacturer.

The main power terminal blocks (for the dishmachine and for the rinse booster heater, if applicable) are located at the top of the machine. Remove the top cover to access these connections. Route incoming power lines within conduit that will connect via fittings to the pre-punched holes in the back of the control box. Install power and ground wires to lugs as indicated by the appropriate decals in the control box. Use copper conductors only. Use of an anti-oxidation agent is permissible on the power connections. Tighten all connections.

Verify the incoming voltage matches the voltage indicated on the decal next to the incoming power pre-punched hole.

Please note the dishmachine has a separate power connection from the rinse booster heater and the circuit protection requirements are different for each. Refer to the machine data plate for information on minimum circuit protection.

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

Note: Any damage that is caused by steam and/or moisture due to improper ventilation is NOT covered under the warranty.

The dishmachine has the following ventilation requirements:

- **Load End: 200 CFM**
- **Unload End: 200 CFM**

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

INSTALLATION

INSTRUCTIONS

THERMOSTATS: The thermostats on this unit have been set at the factory for the wash tank and should only be adjusted by an authorized service agent.

CHEMICAL FEEDER EQUIPMENT: This dishmachine DOES NOT COME WITH AN INTEGRAL CHEMICAL SUPPLY/ FEEDER SYSTEM. Connect the unit to a third party chemical dispenser that meets the requirements of NSF Standard 29 for the machine to operate correctly.

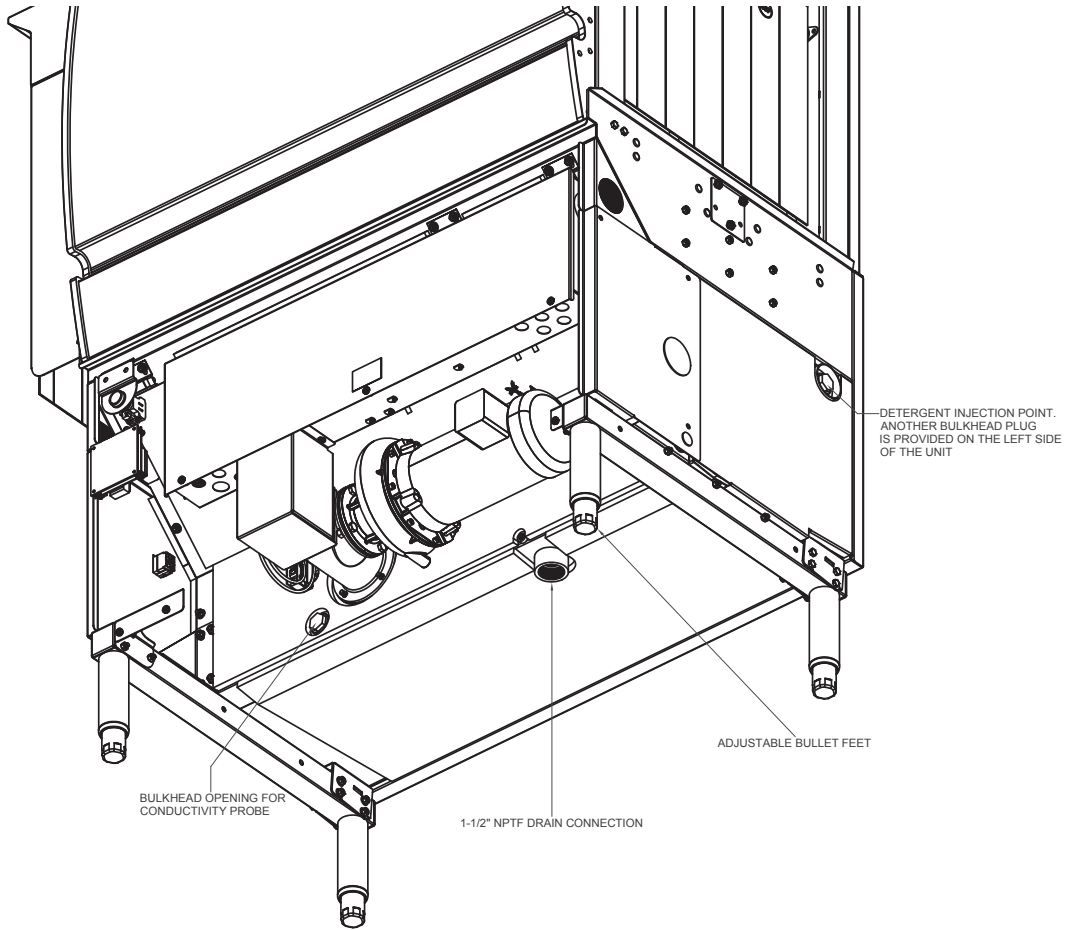
Contact a chemical supplier about connecting a dispenser to the dishmachine. Chemical dispensers must be set for the type and concentration of chemicals being used.

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

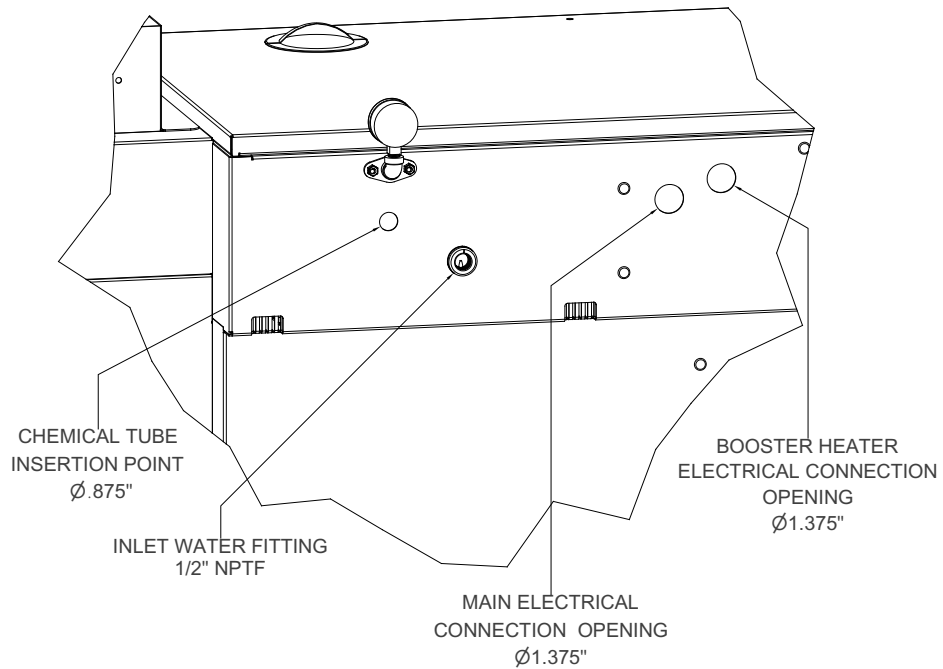
The dishmachine can operate in either hot water-sanitizing mode or chemical-sanitizing mode. The mode of the machine is marked above the machine data plate.

If the unit is operated in chemical-sanitizing mode, ensure an appropriate chlorine-based sanitizer is used in the final rinse line.

INSTALLATION INSTRUCTIONS



SHOWN FROM REAR OF LEFT TO RIGHT UNIT.
RIGHT TO LEFT UNIT IS MIRRORED

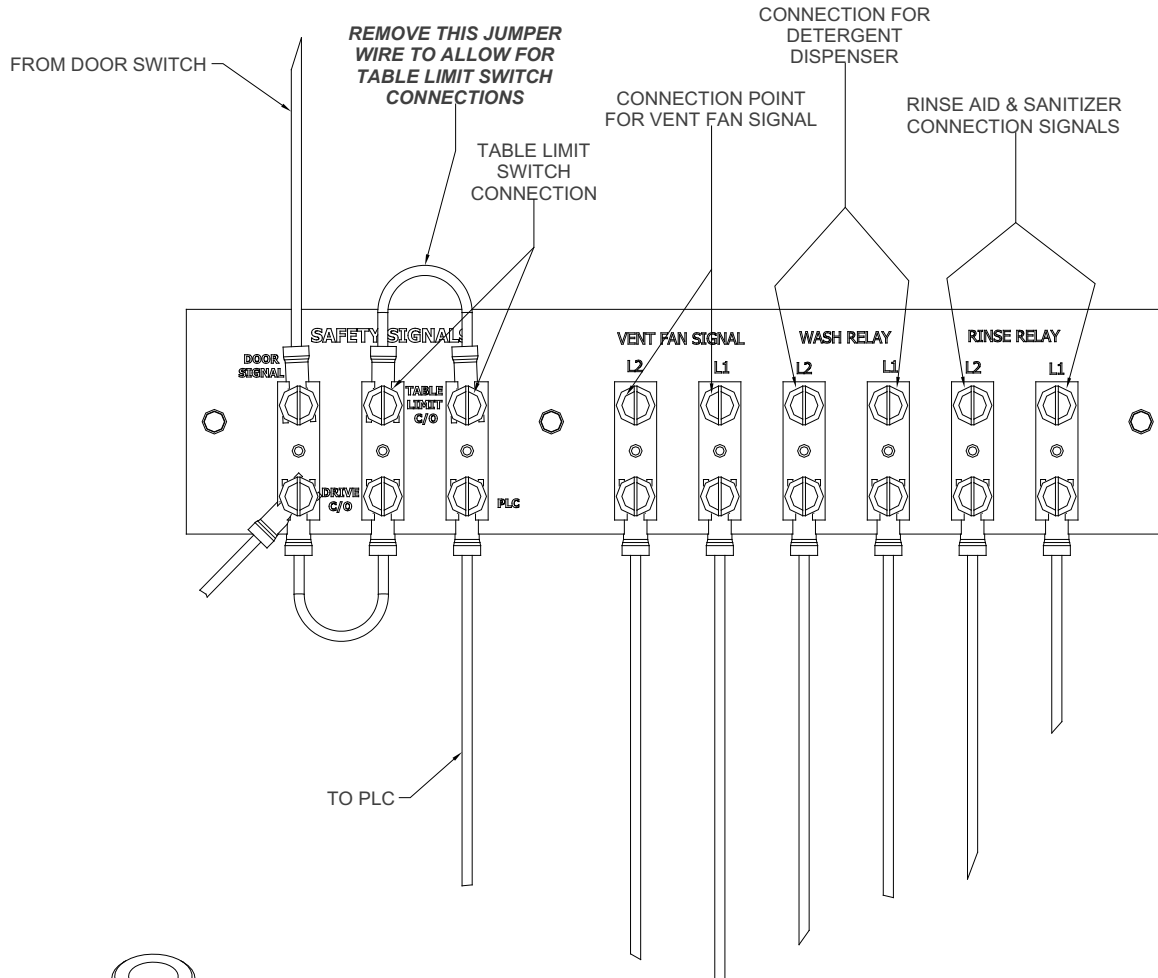


INSTALLATION

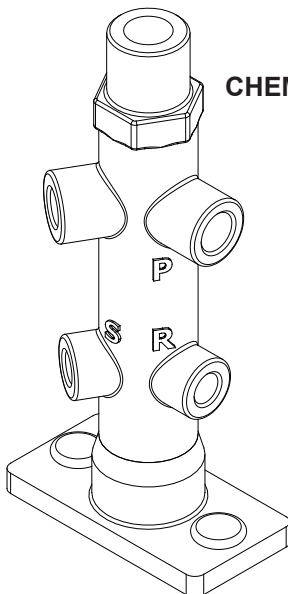
INSTRUCTIONS

ELECTRICAL CONNECTION POINTS FOR TABLE LIMIT SWITCH, VENTILATION FAN SIGNAL & CHEMICAL DISPENSING SYSTEMS

SIGNAL BOARD IS LOCATED IN THE MAIN CONTROL BOX BEHIND THE LOWER DRESS PANEL



CHEMICAL DISPENSER TUBE CONNECTION POINTS TO RINSE INJECTOR



P: PRESSURE SWITCH (1/4" NPT)

S: SANITIZER (1/8" NPT)

R: RINSE AID (1/8" NPT)

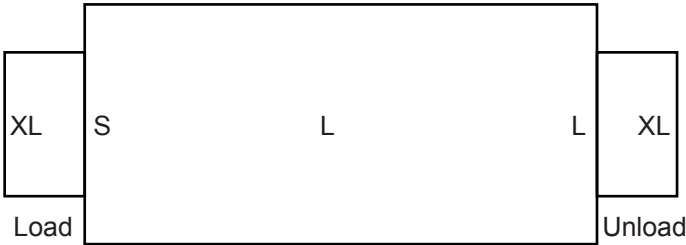
INSTALLATION

CURTAIN INSTALLATION INSTRUCTIONS

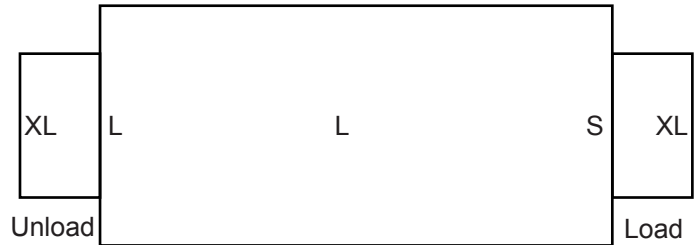
The unit will have decals marking the locations for the placement of curtains inside the machine, starting at the load end and ending at the unload end. The illustrations below indicate the size of the curtain to be placed on the curtain hooks provided. If any curtain components are missing, these must be obtained and installed in order for the unit to work correctly. Curtains are used to control air currents inside the unit and assist in maintaining the heat necessary to keep energy costs down.

DETERMINING CONVEYER DIRECTION: The dishmachine will be configured for either Left to Right or Right to Left operation. Direction is from the Load End to the Unload End, as shown below.

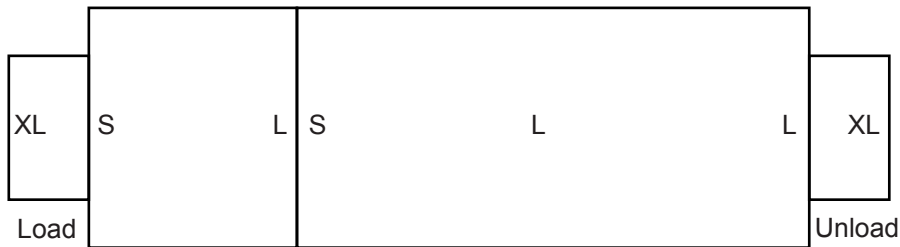
44" Left to Right



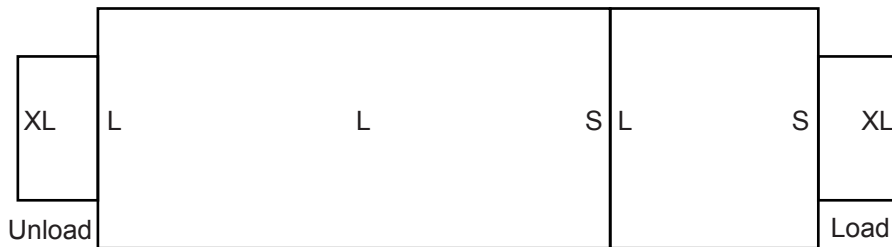
44" Right to Left



66" Left to Right



66" Right to Left



IMPORTANCE OF PROPER CURTAIN PLACEMENT: The curtains inside the dishmachine must be installed properly for the machine to operate correctly. Note the approximate locations for each type of curtain in the above illustrations.

S=Short, L=Long & XL=Extra Long. See the chart below for actual curtain lengths and part numbers. Note the XL Curtain and Curtain Rod difference for the Load End on the Side-Loader option.

Legend	Length	Part #	Side-Loader Option	Length	Part #
S	12"	08415-131-73-44			
L	19"	08415-002-14-41			
XL	24.25"	08415-002-47-37	XL (Load End Only)	24.25"	08415-003-84-88
Curtain Rod	20.50"	05700-003-77-52	Curtain Rod (Load End Only)		05700-003-84-57

INSTALLATION

OPERATING INSTRUCTIONS

PREPARATION: Before proceeding with the start-up of the unit, verify the following:

- The drain stopper is installed.
- The strainers are installed.
- The pawl bar is installed and secure.
- The actuator switches move with relative freedom and do not bind.
- The curtains are installed correctly.

POWER UP: To place the unit in standby, press the START button on the front of the machine.

- The unit will automatically determine if there is proper water level in the wash tank. If not, the unit will begin to fill until the appropriate level is reached.
- If the wash tank temperature is not at the minimum level for the mode of operation, the wash heater will energize. Refer to the machine data plate for a better understanding of the minimum temperatures needed to operate the unit correctly. It may take several minutes for the wash tank to heat up, depending on the initial temperature of the water.
- If the machine is equipped with a rinse booster option, the booster will turn on when the unit turns on.
- If the machine is heated with a steam booster, the steam booster must be turned on in accordance with the manufacturer's instructions.
- Do not attempt to start the unit until:
 1. The unit stops filling.
 2. The unit has reached the appropriate wash tank temperature.

FIRST RACK: The first rack of ware that is placed into the unit will typically reduce the temperature of the wash tank, and the first rack may need to run through the unit again. This process may be necessary whenever the unit has not been operated for an extended period of time, although this is dependent on the type of ware being used, its temperature and the ambient temperature of the kitchen area. To ensure proper operation, always observe the temperatures of the wash and rinse when first starting the unit.

WARE PREPARATION: Proper preparation of ware is essential for the smooth, efficient operation of this dishmachine. Any ware placed inside the machine should have all solid food waste and scraps removed. It is also recommended that ware be sprayed down before it is placed in the dishmachine.

Place cups and glasses upside down in racks so they do not hold water during the cycle. Presoak flatware in warm water to assist in removing food. Load plates and saucers in the same direction, with the food surface facing the unload end of the machine.

WASHING A RACK OF WARE: This dishmachine is designed to wash ware that is placed in a rack. Materials should not be placed inside the unit unless they are properly secured in a dish rack.

To start the cycle, gently push the rack into the unit on the load end. Once the wash actuator has moved sufficiently, the unit will automatically begin to convey the dish rack through the unit. The entire cycle is automatic.

OPERATIONAL INSPECTIONS: It is recommended that operators periodically review the following items while the machine is operating. All of these items are important to operate the machine in an efficient manner.

- Review wash and rinse temperatures and compare to the minimums required by the data plate. Low temperatures can be an indication of a faulty thermostat, a thermostat that needs adjustment or some other condition that needs to be addressed.
- Verify the pan strainers are not becoming clogged. Keeping these free of soil and debris allows for a better flow of water through the machine and prevents any sort of redeposit issues.
- Water pressure: The dishmachine is designed to run at a minimum of 15 PSIG; if it is any lower there will not be enough rinse water to properly remove detergent from the ware.
- Wash and rinse arm nozzles should be free of debris. Open nozzles are essential to the operation of the dishmachine.

SHUTDOWN: To shut the unit down, press the start button on the front of the machine. To drain the machine, open the front door and pull up on the drain release inside the unit. If the machine is equipped with a steam booster, shut it down in accordance with its manufacturer's instructions.

CLEANING: It is recommended that the unit be cleaned at least once every 24 hours or at the end of the day. Cleaning assists in maintaining the efficient operation of the unit by removing soil and debris that might otherwise become trapped in nozzles or deposited onto ware.

- Curtains should be removed and scrubbed with mild detergent and a brush and allowed to air dry.
- Strainers should be removed and debris scooped out. Do not hit strainers to remove debris; this can cause them to warp and not seat correctly. Rinsing the strainer under water should remove any debris trapped in the part.
- Wash arms can be removed using a 7/16" driver, however, the dishmachine is designed so that the wash arms are self-cleaning. Operators have the ability to flush the arms by removing the plastic end caps and running a rack through the unit. This should only be done as a cleaning function with an empty rack and a tub that is filled with water.
- The internal chamber can be cleaned with a mild detergent and dishrag. The strainers and the pawl bar should be removed to provide as much room as possible.
- The outside of the unit should be cleaned with a standard countertop or general cleaner. Do not attempt to clean inside any compartments, boxes or chambers that are secured with a cover. These normally contain live electrical components.
- DO NOT CLEAN THE UNIT WITH ANY TYPE OF METALLIC SCRUBBING SPONGE.

INSTALLATION

DELIME INSTRUCTIONS

To proceed with the delime operation, fill the dishmachine with the correct amount of delime solution as recommended by the manufacturer of the chemicals. The tank capacities of the machine can be found in the Specifications section of this manual.

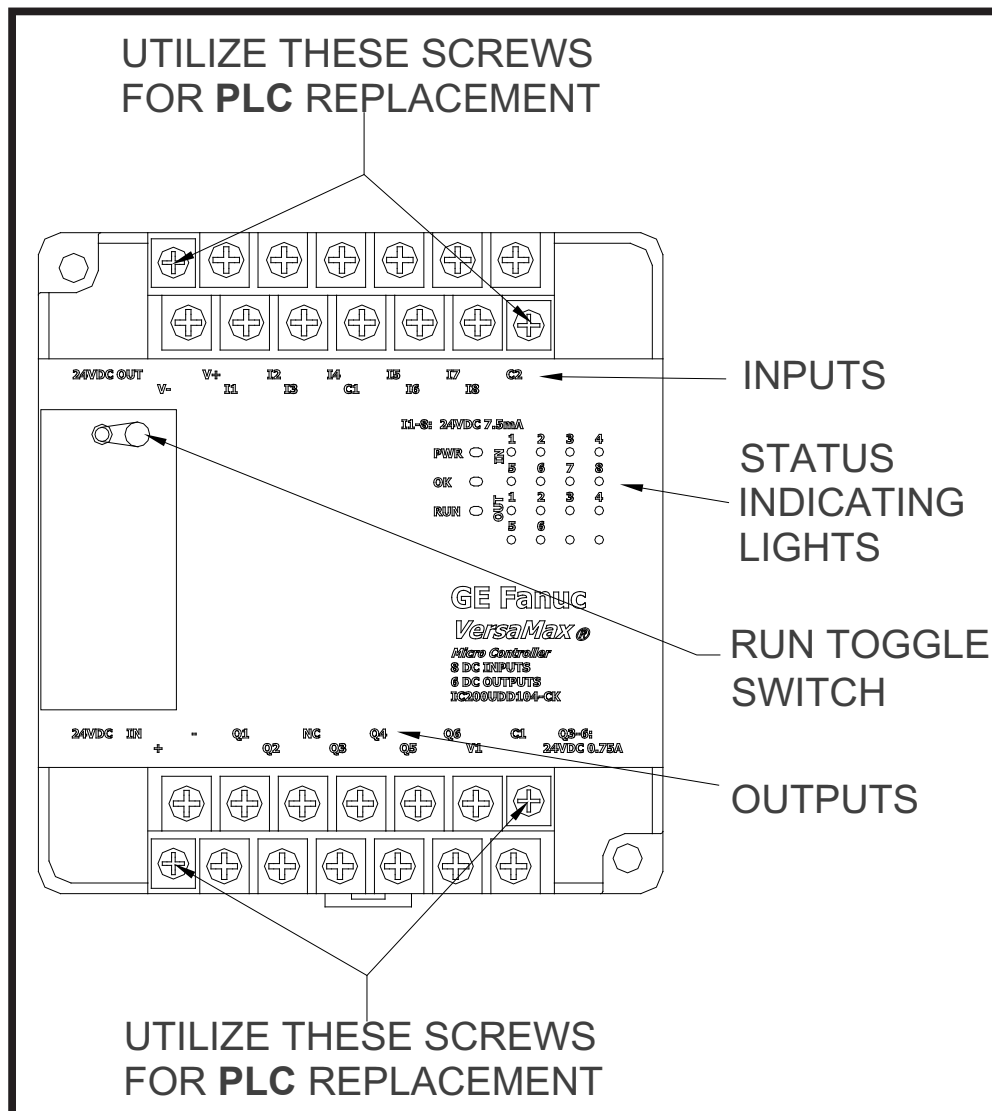
After the chemicals are added, perform the following steps:

1. Flip the normal/delime switch to delime.
2. Disconnect or turn off chemical feeder pumps.
3. Close all doors.
4. Press the start button and run the machine for the length of time required by the chemical solution manufacturer.
5. Press the start button to shut the unit off.
6. Open the door and step away for 5 minutes.
7. Inspect the inside of the unit to determine if expectations have been met. If not, try running the delime solution through the unit for more time.
8. Once clean, drain the machine completely.
9. Close the door.
10. Refill the unit.
11. Press the start button and run the unit in manual for 10 minutes.
12. Press the start button to turn off the unit.
13. Open the front door.
14. Drain the unit.
15. Flip the normal/delime switch to normal.
16. The machine is ready to use.

This equipment is not recommended for use with deionized water or other aggressive fluids. Use of deionized water or other aggressive fluids will result in corrosion and failure of materials and components. Use of deionized water or other aggressive fluids will void the manufacturer's warranty.

PLC TROUBLESHOOTING: Green LED lights are illuminated on the PLC when in operation. The POWER, OK & RUN lights indicate that 24VDC power is available to the PLC and is functioning properly. If the RUN light is out, first check the RUN toggle switch located behind the snap cover panel of the PLC is in the RUN position. If the switch is in the RUN position, it is possible that the operational program of the PLC is corrupted or lost. Temporary power surges may have occurred. Secure all power to the machine, wait for 30 seconds and restore power. Verify that the green light is illuminated to the 24VDC power supply immediately to the left of the PLC. If the RUN light is still off, replace the PLC.

Refer to the illustration below for the designation of each LED. PLC1 is used for the 44" Electric & Steam units. An expansion PLC (PLC2) is used in conjunction with PLC1 for 66" Electric & Steam units. Inputs correspond to the connections behind the top flip-up panel of the PLC and are marked I1 through I8. Outputs correspond to the connections behind the bottom flip-up panel of the PLC and are marked Q1 thru Q8.

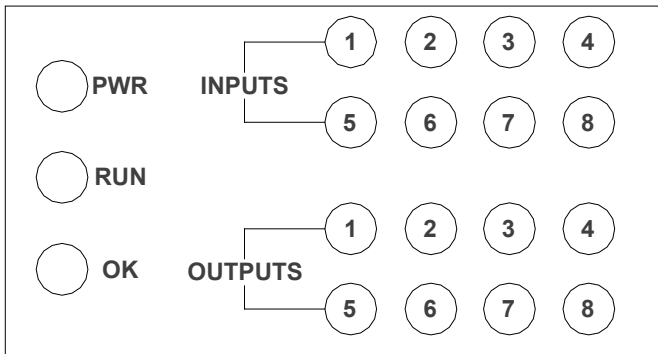


Note: All outputs are fused. Q1 & Q2 outputs for both PLC's utilize 1.0 Amp fuses and Q3-Q8 outputs utilize 0.75 Amp fuses. When illuminated, the LED lights on the front of each PLC will show the input from and the outputs to various components, as illustrated here. LED's that illuminate on PLC2 that are marked "NOT USED" have no bearing on the operation of the current warewashers.

MAINTENANCE

TROUBLESHOOTING

PLC1 LIGHT CONFIGURATION



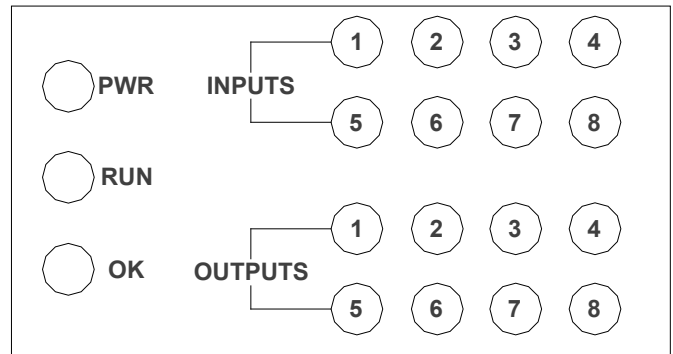
INPUTS:

1. On/Off Switch
2. Door Switch Safety Interlocks
3. Rack Inlet Switch
4. Final Rinse Switch
5. Lower Wash Float Switch
6. Upper Wash Float Switch
7. Normal/Delime Switch
8. Side-Loader Switch (on with no rack present)

OUTPUTS:

1. Rinse Solenoid/Rinse Signal Relay
2. Wash Tank Fill Solenoid
3. Drive Motor Contactor
4. Wash Motor Contactor
5. Wash Heater Contactor or Steam Heat Relay
6. Ventilation Fan Relay
7. N/A
8. N/A

PLC2 LIGHT CONFIGURATION



INPUTS:

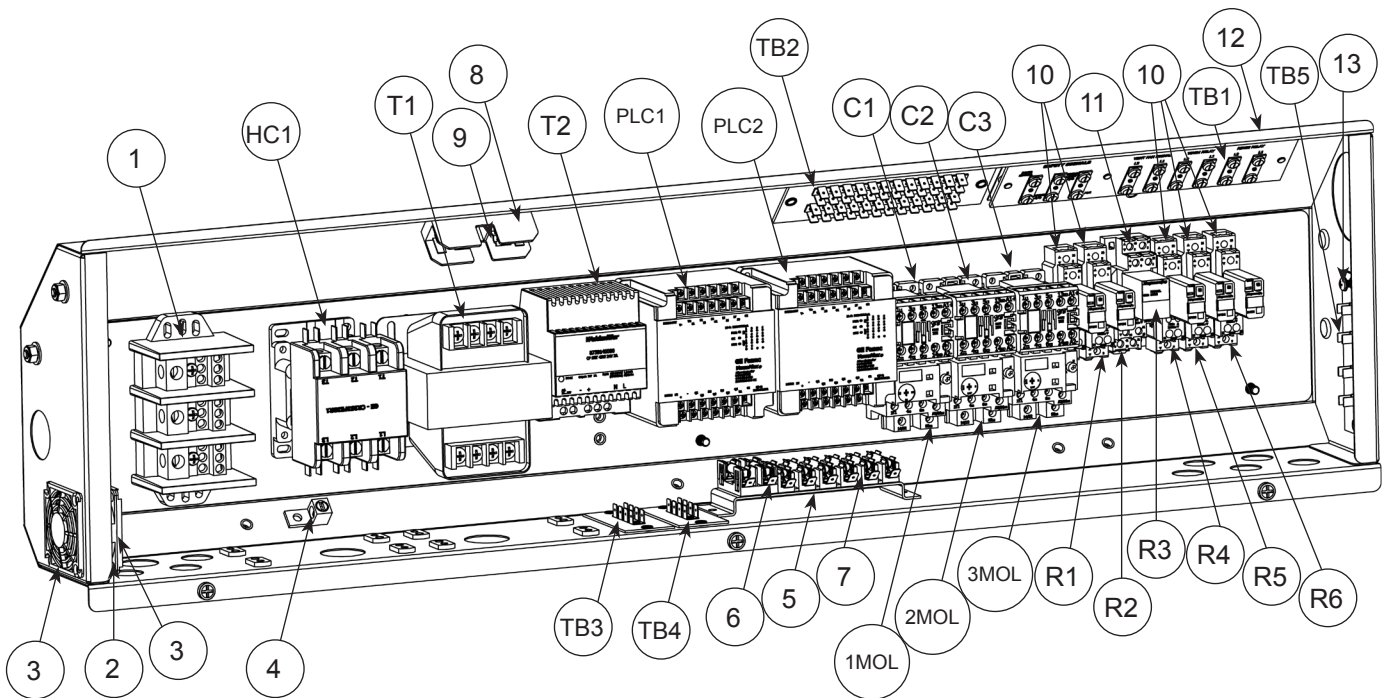
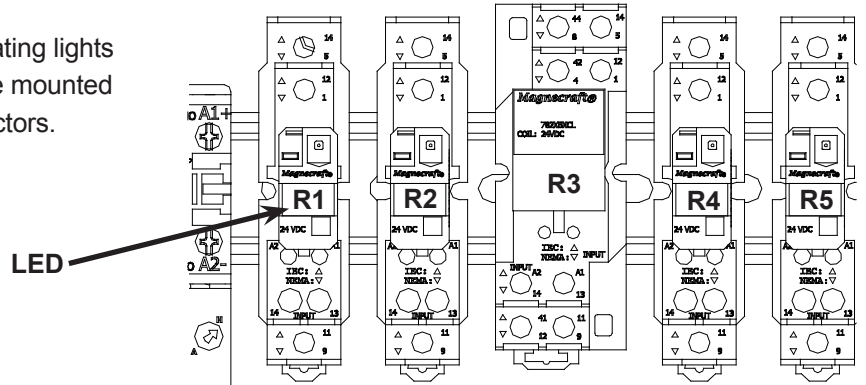
1. Lower Pre-Wash Float Switch (66" Units Only)
2. Upper Pre-Wash Float Switch (66" Units Only)
3. N/A
4. N/A
5. N/A
6. N/A
7. N/A
8. N/A

OUTPUTS:

1. Pre-Wash Tank Fill Solenoid (66" Units Only)
2. Pre-Wash Motor Contactor (66" Units Only)
3. N/A
4. N/A
5. N/A
6. N/A
7. N/A
8. N/A

CONTROL BOX COMPONENTS

All operational relays use green LED indicating lights to verify proper operation. These relays are mounted immediately to the right of the motor contactors. Please refer to the illustration at right.



The illustration above depicts the components of a 66" electrically-heated unit with the booster heater option. Component quantities and part numbers may vary for different units. Please refer to the notes within the parts list to verify the required part number is correct.

ITEM	QTY	DESCRIPTION	PART NUMBER
PLC1	1	PLC, 24VDC (Programmed for 44" Units)	05945-003-92-50
		(Programmed for 66" Units)	05945-003-92-51
		(Programmed for 44" Units with Blower Dryer)	05945-004-10-84
		(Programmed for 66" Units with Blower Dryer)	05945-004-10-85
PLC2	1	PLC, 24VDC (66" Units Only)	05945-003-82-47
T1	1	Transformer 208 to 120VAC (208V Units)	05950-011-75-59
		Transformer 230/460 to 120VAC	05950-011-68-35
T2	1	Power Supply 24VDC	05950-003-76-32

PARTS

CONTROL BOX COMPONENTS

ITEM	QTY	DESCRIPTION	PART NUMBER
HC1	1	Contactactor, 24VDC, 3 Pole (Used on 3-Phase Units) Contactactor, 24VDC, 4 Pole (Used on 1-Phase Units)	05945-003-75-02 05945-003-73-22
C1	1	Contactactor, Drive Motor	05945-003-75-22
C2	1	Contactactor, Wash Pump	05945-003-75-22
C3	1	Contactactor, Pre-Wash Motor (66" Units Only)	05945-003-75-22
R1	1	Relay, Vent Fan	05945-003-76-34
R2	1	Relay, Rinse Signal	05945-003-76-34
R3	1	Relay, Temperature Board	05945-003-79-57
R4	1	Relay, Booster Heater (Optional)	05945-003-76-34
R5	1	Relay, Wash Tank Steam (Steam Units Only)	05945-003-76-34
R6	1	Relay, Photocell Table Limit (Optional)	05945-003-76-34
1MOL	1	Overload, Drive Motor (Used on 3-Phase Units)	See Overload Page
2MOL	1	Overload, Wash Motor (Used on 3-Phase Units)	See Overload Page
3MOL	1	Overload, Pre-Wash Motor (Used on 3-Phase 66" Units)	See Overload Page
TB1	1	Terminal Board, Signal	05940-003-77-43
TB2	1	Terminal Board, DC	05940-003-77-65
TB3	1	Terminal Board, L1	05940-021-94-85
TB4	1	Terminal Board, L2	05940-021-94-85
TB5	1	Terminal Board, Blower	05940-021-70-74
1	1	Terminal Block, 3 Pole	05940-011-48-27
2	1	Fan, 24VDC	05999-002-47-12
3	2	Fan Finger Guard	05999-003-12-92
4	1	Ground Lug	05940-200-76-00
5	1	Bracket, Fuse Strip	05700-002-42-03
6	1	Fuse Holder	05920-401-03-14
7	1	Fuse Holder, 6 Slot	05920-002-42-13
8	1	Holder, Bussman Fuse	05920-011-72-89
9	1	Fuse, 1.0 Amp (208V & 230V Units) Fuse, 0.5 Amp (460V Units)	05920-002-67-23 05920-011-72-88
10	5	Relay Socket, 20A, 300V (Used for R1, R2, R4, R5 & R6)	05945-003-76-33
11	1	Relay Socket, 16A, 300V (Used for R3)	05945-003-79-58
12	1	Control Box Weldment (44" Units) Control Box Weldment (66" Units)	05700-003-77-14 05700-003-82-04
13	2	Screw, 10-32 x 1/2" Phillips Pan Head w/Washer	05305-002-32-37

WASH MOTORS: Overloads are specified for 3-phase units only.

For GE brand MT03* series overloads, the process for setting is as follows:

- Determine the Full Load Amps for the wash motor.
- Set the overload at the closest setting without going over for the FLA of the motor.
- The overload already compensates for the FLA and will have a set point that is 125% of the FLA. (Example: Wash motor is rated at 10.0 FLA on the data plate. The replacement MT03* overload will be set at 10.0. It will trip at 12.5 Amps.)

WASH MOTOR VOLTAGE	PART NUMBER	GE PART NUMBER
208	05945-003-76-29	MT03N
230	05945-003-76-29	MT03N
460	05945-003-76-27	MT03L

Blue selector switch should be set to H for manual reset.

DRIVE MOTORS: Overloads are specified for 3-phase units only.

For GE brand MT03* series overloads, the process for setting is as follows:

- Determine the Full Load Amps for the drive motor.
- Set the overload at the closest setting without going over for the FLA of the motor.
- The overload already compensates for the FLA and will have a set point that is 125% of the FLA. (Example: Drive motor is rated at 1.0 FLA on the data plate. The replacement MT03* overload will be set at 1.0. It will trip at 1.25 Amps.)

DRIVE MOTOR VOLTAGE	PART NUMBER	GE PART NUMBER
208	05945-003-76-23	MT03F
230	05945-003-76-23	MT03F
460	05945-003-76-21	MT03D

Blue selector switch should be set to H for manual reset.

PRE-WASH MOTORS: Overloads are specified for 3-phase units only.

For GE brand MT03* series overloads, the process for setting is as follows:

- Determine the Full Load Amps for the pre-wash motor.
- Set the overload at the closest setting without going over for the FLA of the motor.
- The overload already compensates for the FLA and will have a set point that is 125% of the FLA. (Example: Pre-wash motor is rated at 6.0 FLA on the data plate. The replacement MT03* overload will be set at 6.0. It will trip at 7.5 Amps.)

PRE-WASH MOTOR VOLTAGE	PART NUMBER	GE PART NUMBER
208	05945-003-76-28	MT03M
230	05945-003-76-28	MT03M
460	05945-003-76-26	MT03K

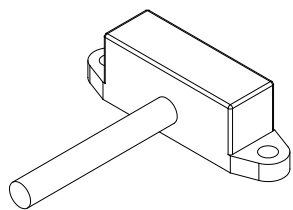
Blue selector switch should be set to H for manual reset.

NOTE: Connections should be tightened to 7 in-lbs.

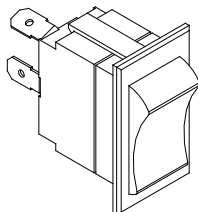
PARTS

MISCELLANEOUS ELECTRICAL COMPONENTS

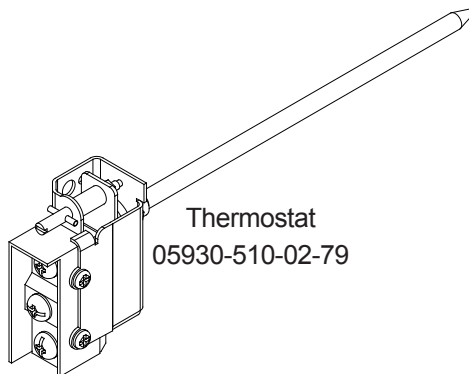
DESCRIPTION	PART NUMBER
Fitting, 1", 90 Degree Hub (2 per 44" Units; 1 per 66" Units)	05975-003-77-44
Fitting, 1" Straight Hub (1 per 66" Units)	05975-003-88-01
Fitting, 3/4" STR QT	05975-003-77-46
Fitting, 3/4" 90 Degree QT	05975-003-77-45
Fitting, 1/2" NPT 90 Degree	05975-003-35-32
Fitting, 1/2" NPT STR	05975-003-33-27
Fitting, .231 x .394	05975-011-49-03
Clamp, 1" Conduit	05975-003-77-88
Clamp, 3/4" Conduit	05975-003-77-89
Plug, 2.5" Hole, Louvered	05975-003-77-39
Plug	05975-011-47-81
Plug	05975-002-29-94
Plug	05340-044-46-79
Plug	05975-011-59-49
Bushing	05975-003-10-46
Grommet, 1.250 OD x 1.000 ID	05975-111-58-01
Grommet, 7/8" Split	05975-200-40-00



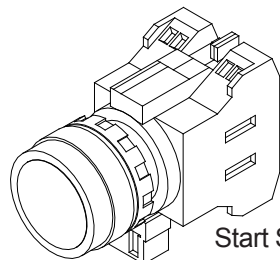
Proximity Switch 24VDC
05930-003-76-51



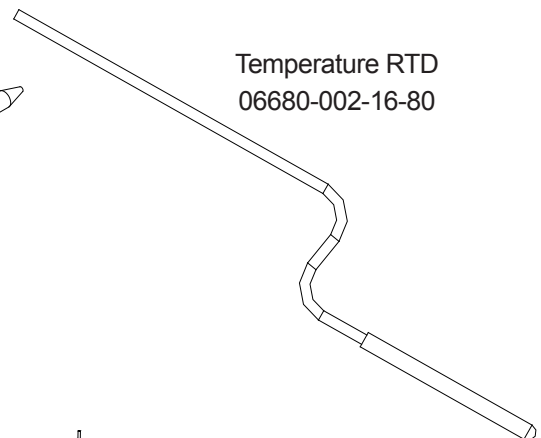
Delime Switch
05930-301-46-00



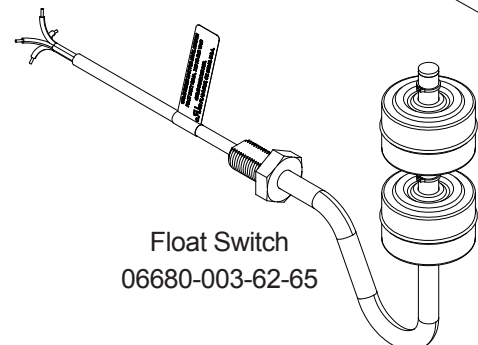
Thermostat
05930-510-02-79



Start Switch
05930-003-76-52

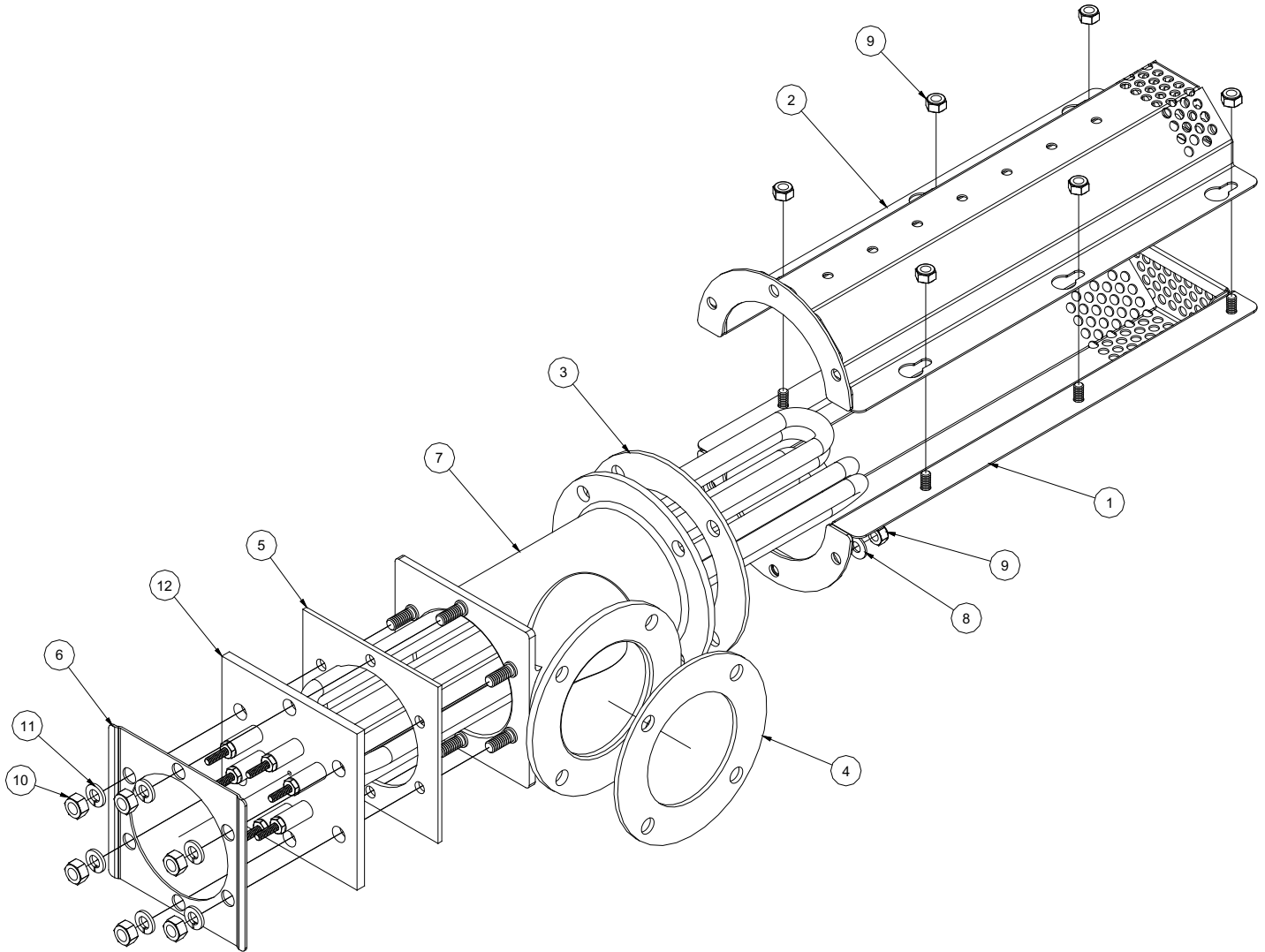


Temperature RTD
06680-002-16-80



Float Switch
06680-003-62-65

WASH HEATER & HEATER SHROUD ASSEMBLIES

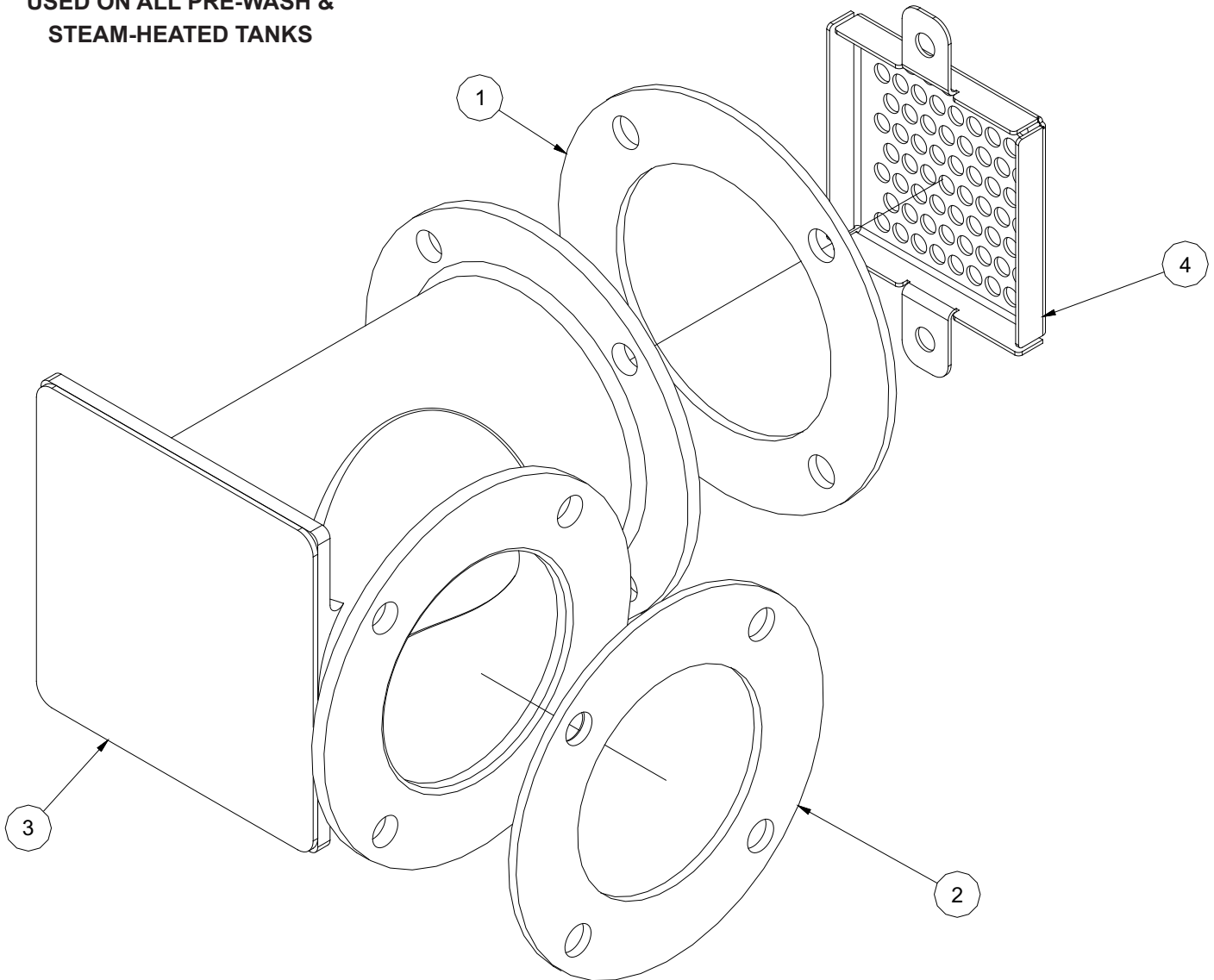


ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Heater Shroud Weldment Lower	05700-003-74-21
2	1	Heater Shroud Weldment Upper	05700-003-74-24
3	1	Gasket, Suction Casting	05330-003-75-89
4	1	Gasket, Pump Suction	05330-003-75-87
5	1	Gasket, Heater	05330-200-02-70
6	1	Heater Box Rails	05700-003-74-72
7	1	Wash Pump Suction Weldment	05700-003-77-63
8	2	Washer, S/S	05311-174-01-00
9	9	Locknut, 1/4"-20 Hex w/Nylon Insert	05310-374-01-00
10	6	Nut, Hex 5/16"-18 S/S	05310-275-01-00
11	6	Lockwasher, 5/16" Split S/S	05310-275-01-00
12	1	Wash Heating Element, 15kW/18kW	See Heater Chart

PARTS

PUMP SUCTION ASSEMBLY

USED ON ALL PRE-WASH &
STEAM-HEATED TANKS



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Gasket, Suction Casting	05330-003-75-89
2	1	Gasket, Pump Suction	05330-003-75-87
3	1	Pre-Wash Pump Suction Weldment	05700-003-82-27
4	1	Strainer, Pre-Wash Pump	05700-003-81-28

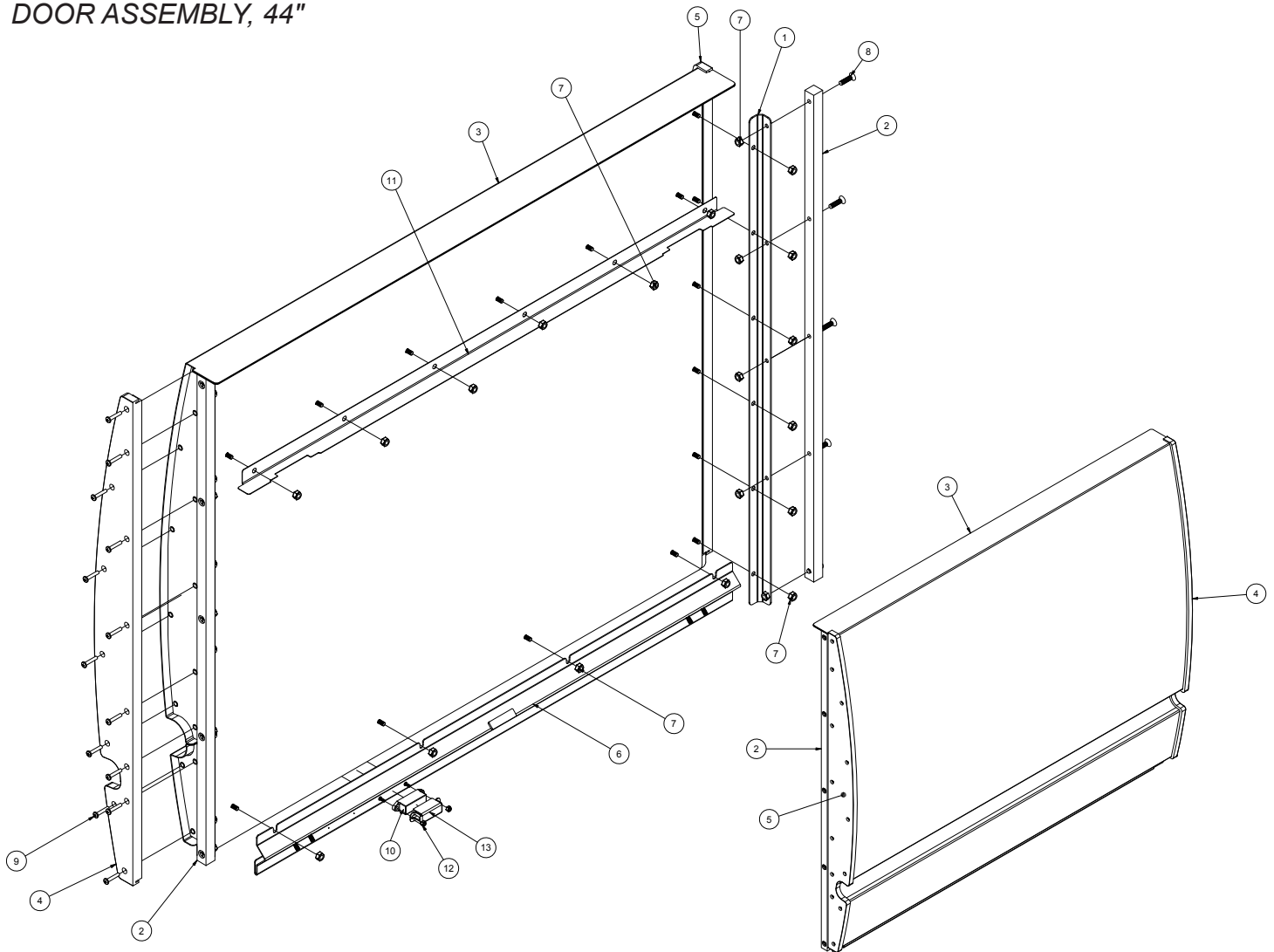
VOLTAGE	PHASE	KW	PART NUMBER	CONTACTOR
208	1	15	04540-121-68-45	05945-003-73-22
230	1	15	04540-121-68-46	05945-003-73-22
208	3	15	04540-121-68-45	05945-003-75-02
230	3	15	04540-121-68-46	05945-003-75-02
460	3	15	04540-121-68-47	05940-003-75-02
208	1	18	04540-121-79-30	05945-003-73-22
230	1	18	04540-121-79-31	05945-003-73-22
208	3	18	04540-121-79-30	05945-003-75-02
230	3	18	04540-121-79-31	05945-003-75-02
460	3	18	04540-121-79-32	05945-003-75-02

SERVICE NOTES: When replacing wash heaters it is highly recommended to change the gasket also. Once installed, gaskets become compressed and are subject to extreme temperature changes. Replacing the gasket with the heater may prevent future leaks.

The nuts used to secure the heater to the casting should be torque to 16 in-lbs. After tightening, the unit should be allowed to heat up and operate normally for approximately 30 minutes. Secure power to the machine and check the nuts once more to verify they are torque to 16 in-lbs.

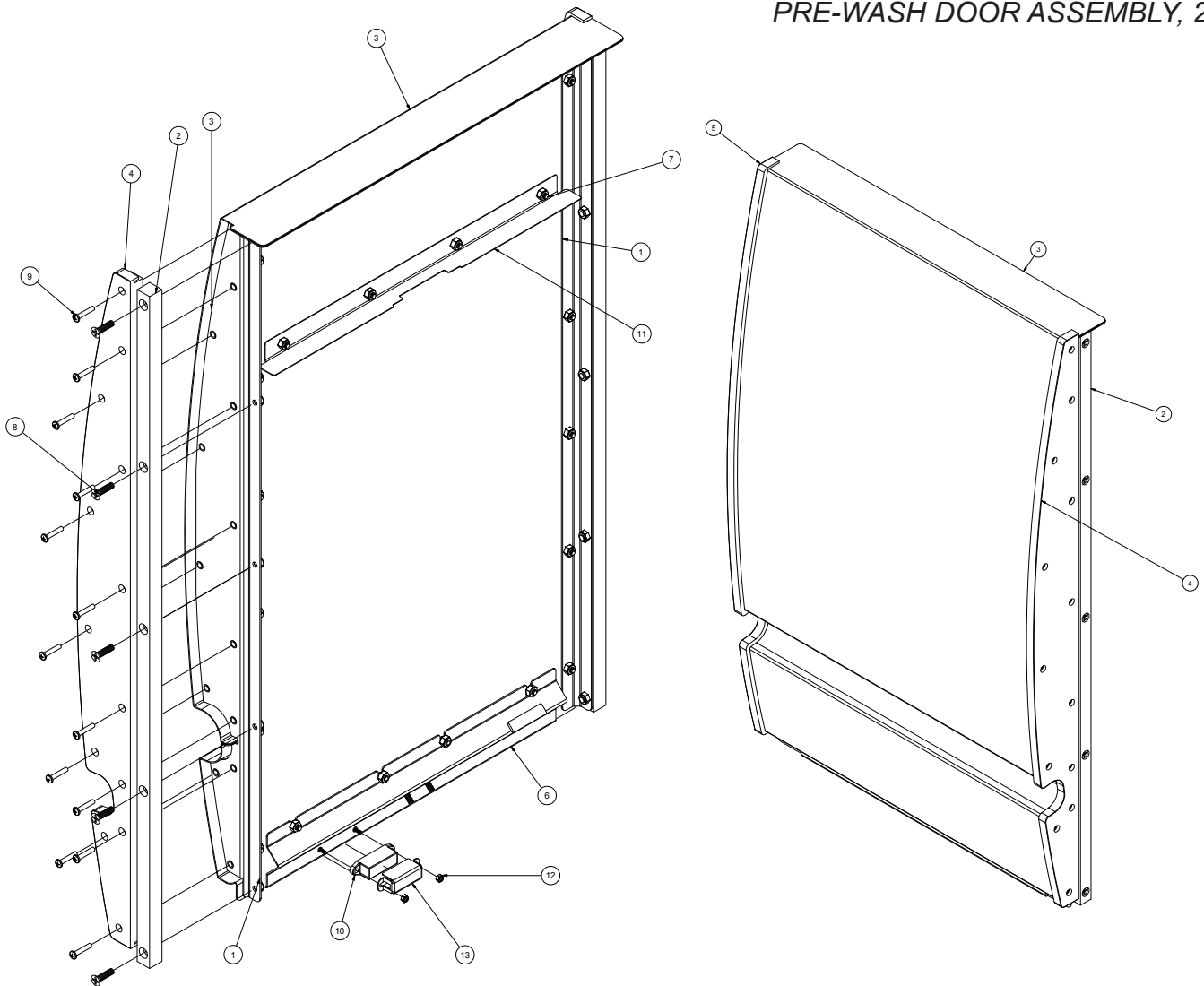
PARTS

DOOR ASSEMBLY, 44"



ITEM	QTY	DESCRIPTION	PART NUMBER
1	2	Bracket, Door Guide	05700-003-72-32
2	2	Door Guide	09330-003-73-94
3	1	Door Weldment, 44"	05700-003-76-87
4	1	End Piece, Door Right Side	09330-003-73-83
5	1	End Piece, Door Left Side	09330-003-73-84
6	1	Door Stop & Support Weldment	05700-003-72-51
7	32	Locknut, 1/4-20 Hex w/Nylon Insert	05310-374-01-00
8	10	Screw, 1/4-20 x 1"	05305-011-81-58
9	26	Screw, 10-32 x 1"	05305-002-19-42
10	1	Magnet	05930-002-88-42
11	1	Splash Shield, 44" Door	05700-003-81-86
12	2	Locknut, 6-32 Hex w/Nylon Insert	05310-373-03-00
13	1	Cover, Door Magnet	05700-004-07-38

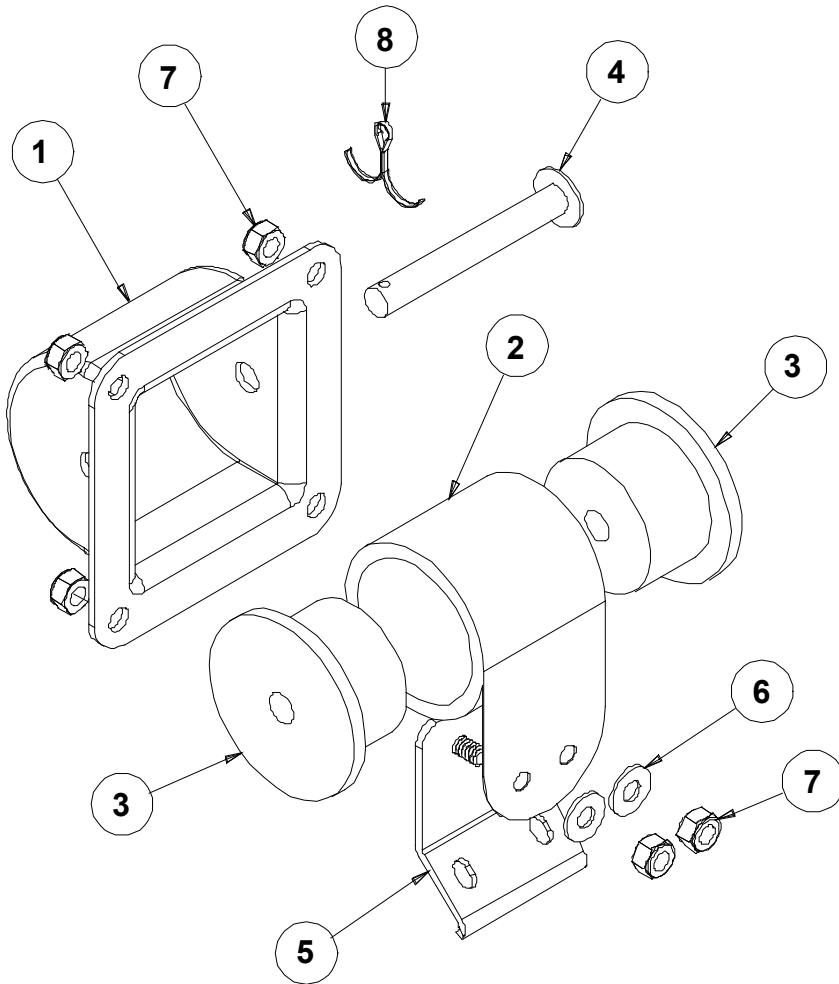
PRE-WASH DOOR ASSEMBLY, 22"



ITEM	QTY	DESCRIPTION	PART NUMBER
1	2	Bracket, Door Guide	05700-003-72-32
2	2	Door Guide	09330-003-73-94
3	1	Door Weldment, 22" Pre-Wash	05700-003-80-32
4	1	End Piece, Door Right Side	09330-003-73-83
5	1	End Piece, Door Left Side	09330-003-73-84
6	1	Door Stop & Support Weldment L-R	05700-003-82-50
7	30	Locknut, 1/4-20 Hex w/Nylon Insert	05310-374-01-00
8	10	Screw, 1/4-20 x 1"	05305-011-81-58
9	26	Screw, 10-32 x 1"	05305-002-19-42
10	1	Magnet	05930-002-88-42
11	1	Splash Shield, 22" Pre-Wash Door	05700-003-82-46
12	2	Locknut, 6-32 Hex w/Nylon Insert	05310-373-03-00
13	1	Cover, Door Magnet	05700-004-07-38

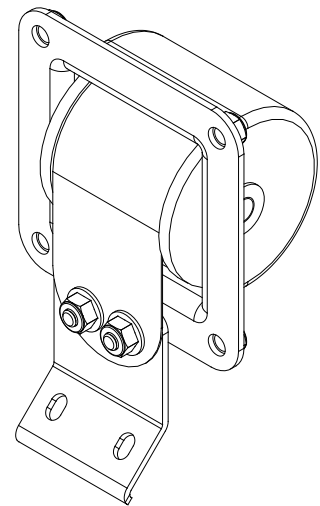
PARTS

DOOR SPRING ASSEMBLY



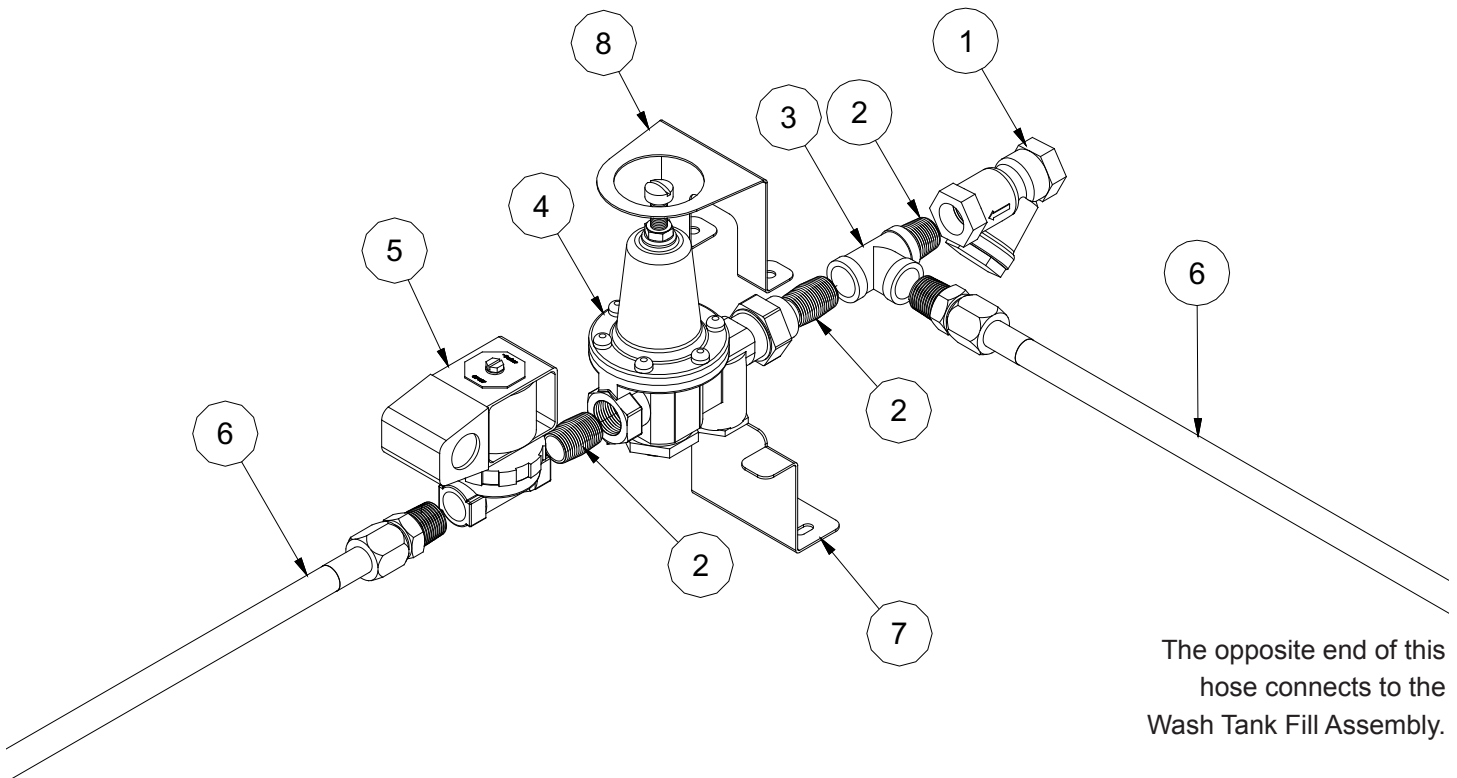
DOOR SPRING ASSEMBLY 05700-003-77-49

44" Wash doors use 2 assemblies
22" Pre-Wash doors use 1 assembly



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Casting, Door Spring Mount	09515-003-73-78
2	1	Spring, Door	05315-002-67-29
3	2	Spindle, Door Spring	05700-002-67-28
4	1	Pin, Door Spring	05700-002-83-55
5	1	Door Spring Bracket Weldment	05700-003-74-10
6	2	Washer, 1/4" S/S	05311-174-01-00
7	6	Locknut, 1/4"-20 Hex w/Nylon Insert	05310-374-01-00
8	1	Cotter Pin, 3/32" x 3/4"	05315-207-01-00

PLUMBING ASSEMBLY, MAIN WATER INLET



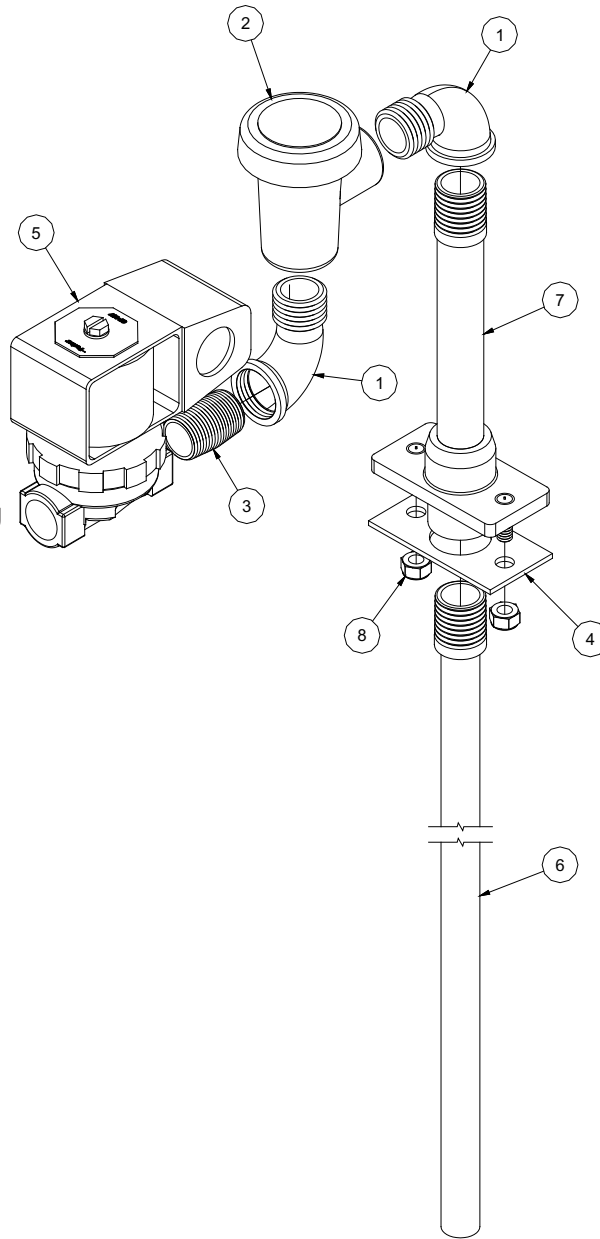
The opposite end of this hose connects to the Final Rinse Assembly.
 For units with the Booster Heater Option, this hose connects to the Booster Heater Inlet.

The opposite end of this hose connects to the Wash Tank Fill Assembly.

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Strainer, Inlet, 1/2"	04730-217-01-10
2	3	Nipple, 1/2" Close, Brass	04730-207-15-00
3	1	Tee, Brass, 1/2" x 1/2" x 1/2"	04730-211-27-00
4	1	Regulator, 1/2"	04820-100-04-07
5	1	Valve, 1/2" NPT Brass, 24VDC Coil	04810-003-75-16
6	2	Hose, 1/2" x 42" S/S Braided w/PTFE, Male Swivel	04720-003-76-09
7	1	Bracket, Inlet Plumbing Support	05700-003-74-42
8	1	Bracket, Upper Inlet Plumbing Support	05700-003-74-86

PARTS

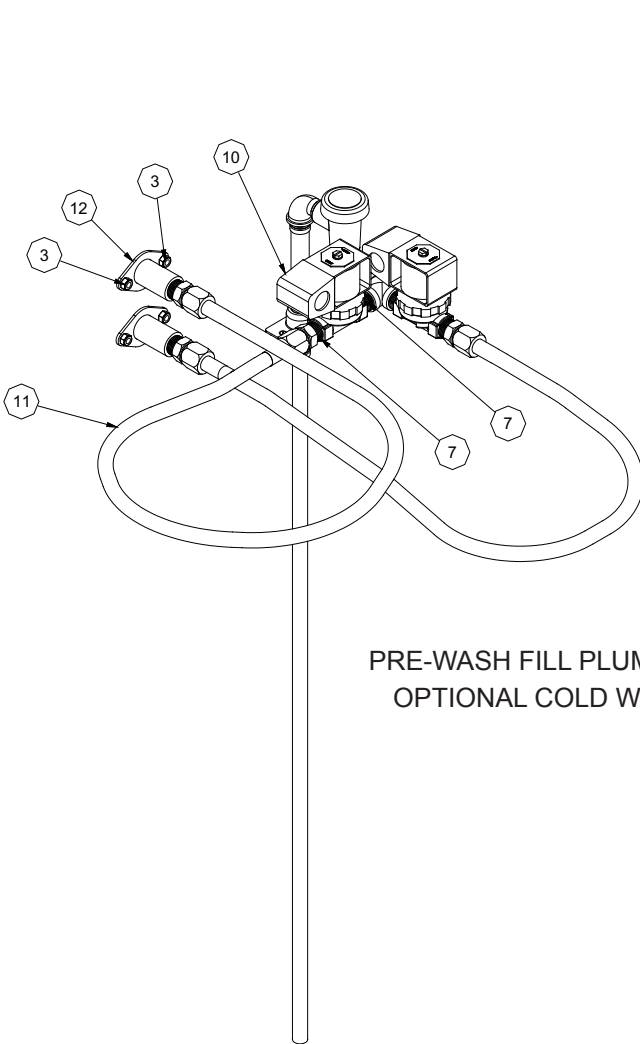
WASH TANK FILL ASSEMBLY



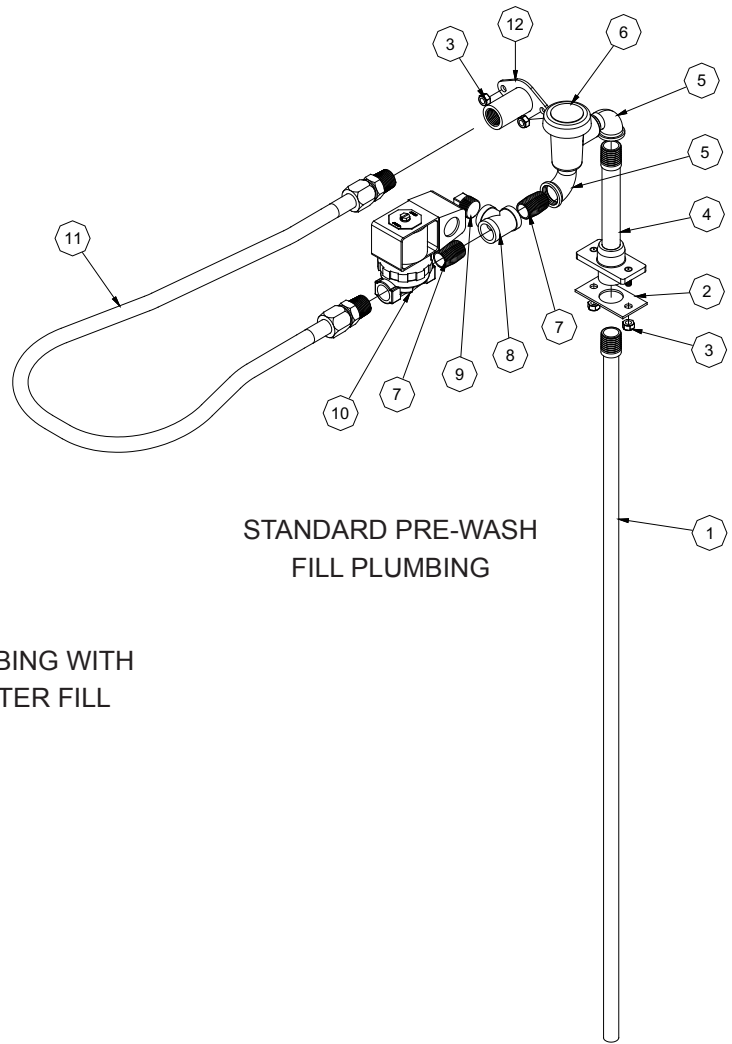
The hose from the Main Water Inlet Plumbing connects to this solenoid valve.

ITEM	QTY	DESCRIPTION	PART NUMBER
1	2	Elbow, 90 Degree, 1/2" Brass	04730-206-08-00
2	1	Vacuum Breaker, 1/2" Vacuum Breaker Repair Kit	04820-003-06-13 06401-003-06-23
3	1	Nipple, 1/2" Close, Brass	04730-207-15-00
4	1	Gasket, Rinse Manifold	05330-003-75-91
5	1	Valve, 1/2" NPT Brass, 24VDC Coil	04810-003-75-16
6	1	Tube Weldment, Tank Fill	05700-003-76-81
7	1	Tank Fill Injector Weldment	05700-003-76-84
8	2	Locknut, 1/4"-20 Hex w/Nylon Insert	05310-374-01-00

PRE-WASH TANK FILL ASSEMBLIES



PRE-WASH FILL PLUMBING WITH
OPTIONAL COLD WATER FILL



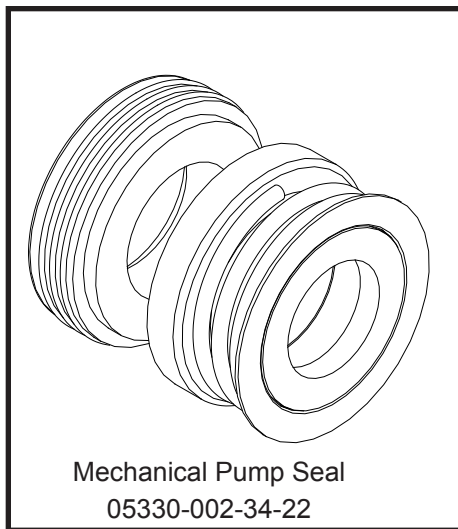
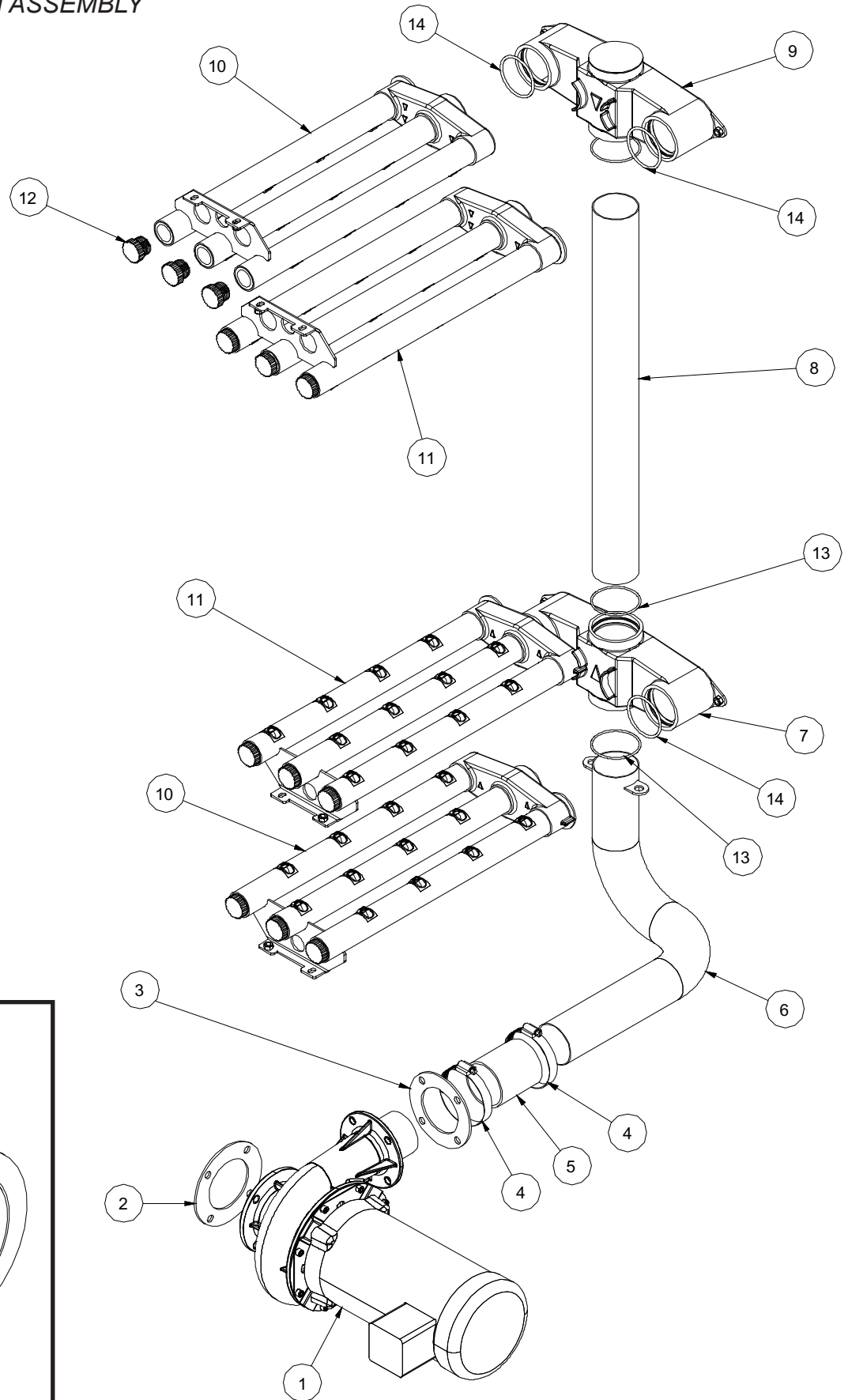
STANDARD PRE-WASH
FILL PLUMBING

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Tube Weldment, Tank Fill	05700-003-76-81
2	1	Gasket, Rinse Manifold	05330-003-75-91
3	4 (6)*	Locknut, 1/4"-20 Hex w/Nylon Insert	05310-374-01-00
4	1	Tank Fill Injector Weldment	05700-003-76-84
5	2	Elbow, 90 Degree, 1/2" Brass	04730-206-08-00
6	1	Vacuum Breaker, 1/2" Vacuum Breaker Repair Kit	04820-003-06-13 06401-003-06-23
7	2 (3)*	Nipple, 1/2" Close, Brass	04730-207-15-00
8	1	Tee, 1/2" x 1/2" x 1/2" NPT Brass	04730-211-27-00
9	1 (0)*	Plug, 1/2" NPT Brass (Removed for Cold Water Fill Option)	04730-209-03-00
10	1 (2)*	Valve, 1/2" NPT Brass, 24VDC Coil	04810-003-75-16
11	1 (2)*	Hose, 1/2" x 42" S/S Braided w/PTFE, Male Swivel	04720-003-76-09
12	1 (2)*	Water Inlet Fitting	05700-003-81-98

*Denotes changed quantities when Cold Water Pre-Wash Fill option is added.

PARTS

WASH MANIFOLD & ARM ASSEMBLY



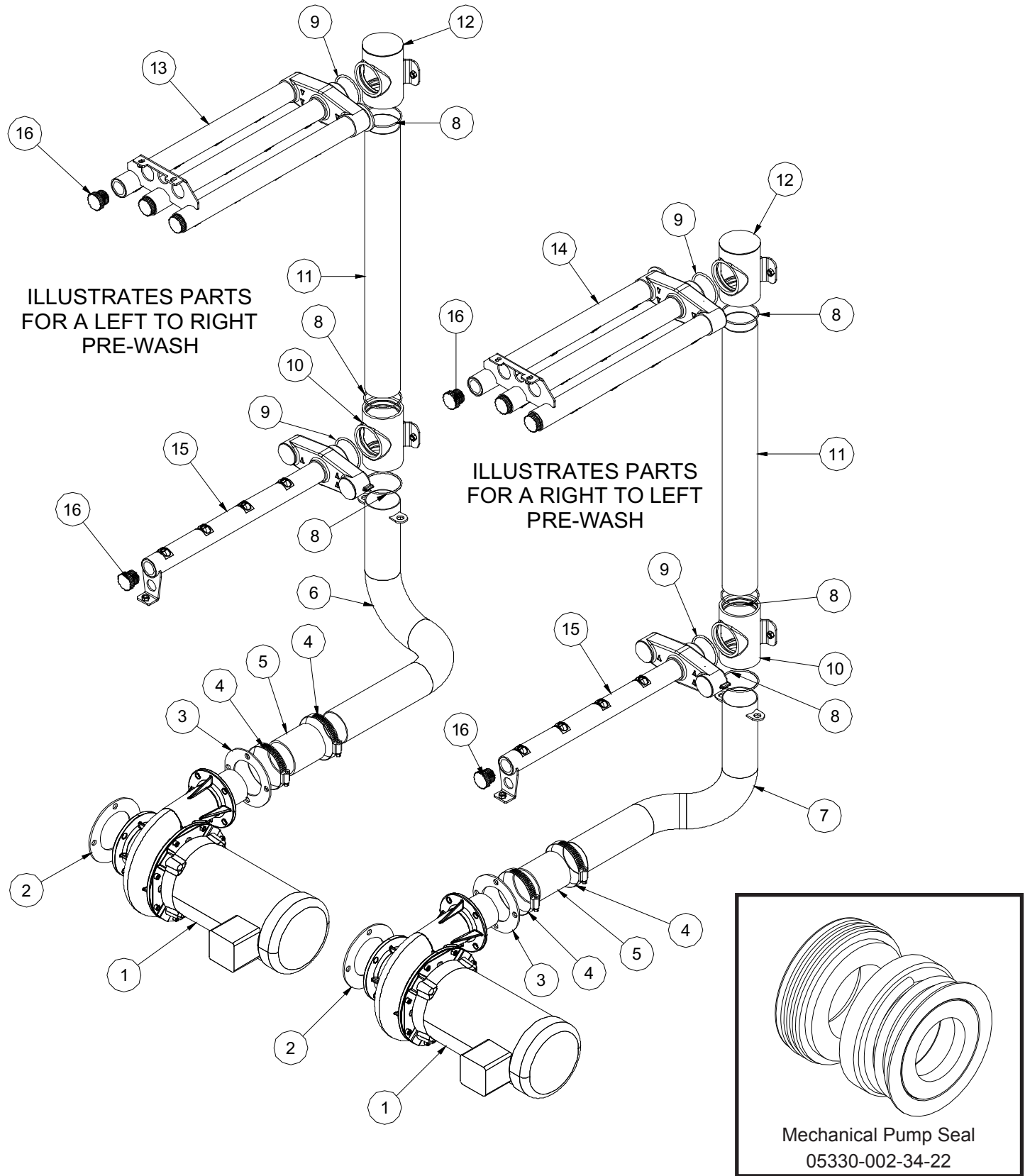
WASH MANIFOLD & ARM ASSEMBLY

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Pump & Motor Assembly	See Table Below
2	1	Gasket, Pump Suction	05330-003-75-87
3	1	Gasket, Pump Discharge	05330-003-75-88
4	2	Hose Clamp, Range 2-9/16" to 3-1/2"	04730-003-15-40
5	1	Hose, Wash Pump Discharge	05700-003-77-62
6	1	(L-R Machines) Lower Manifold (R-L Machines) Lower Manifold	05700-003-74-29 05700-003-74-28
7	1	Casting, Wash Manifold	09515-003-71-50
8	1	Tube, Manifold Riser	05700-003-72-37
9	1	Wash Manifold Weldment, Upper	05700-003-73-66
10	2	Wash Arm Weldment, Right	05700-003-75-80
11	2	Wash Arm Weldment, Left	05700-003-75-79
12	12	Cap, Threaded	04730-603-12-00
13	3	O-Ring, Silicone, .103 Dia., 2-1/2" x 2-11/16" OD	05330-003-73-71
14	4	O-Ring, Silicone, .139 Dia., 2-1/4" ID x 2-1/2" OD	05330-003-73-72

PUMP & MOTOR ASSEMBLY	PART NUMBER
Wash Pump, 3HP, 208V, 60Hz, 3-Phase	06105-003-76-11
Wash Pump, 3HP, 230V, 60Hz, 3-Phase	06105-003-76-11
Wash Pump, 3HP, 460V, 60Hz, 3-Phase	06105-003-76-11
Wash Pump, 3HP, 460V, 60Hz, 1-Phase	06105-003-76-13
Wash Pump, 3HP, 230V, 60Hz, 1-Phase	06105-003-76-13

PARTS

PRE-WASH MANIFOLD & ARM ASSEMBLIES



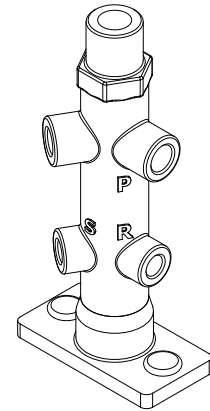
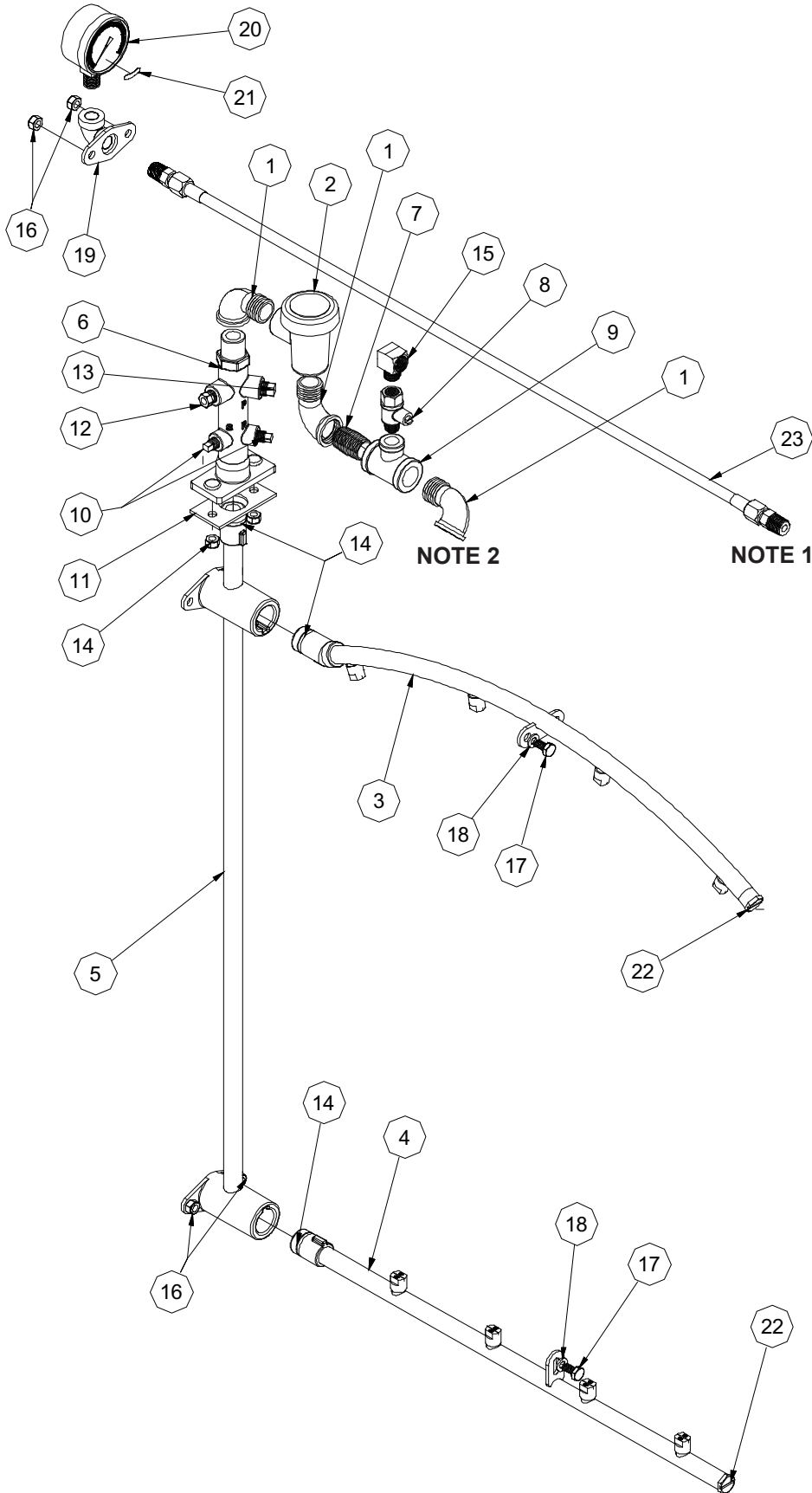
PRE-WASH MANIFOLD & ARM ASSEMBLIES

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Pump & Motor Assembly	See Table Below
2	1	Gasket, Pump Suction	05330-003-75-87
3	1	Gasket, Pump Discharge	05330-003-75-88
4	2	Hose Clamp, Range 2-9/16" to 3-1/2"	04730-003-15-40
5	1	Hose, Wash Pump Discharge	05700-003-77-62
6	1	Lower Manifold (L-R Units)	05700-003-81-54
7	1	Lower Manifold (R-L Units)	05700-003-81-79
8	3	O-Ring, Silicone, .103 Dia., 2-1/2" x 2-11/16" OD	05330-003-73-71
9	2	O-Ring, Silicone, .139 Dia., 2-1/4" ID x 2-1/2" OD	05330-003-73-72
10	1	Casting, Pre-Wash Manifold	09515-003-77-22
11	1	Tube, Manifold Riser	05700-003-81-53
12	1	Wash Manifold Weldment, Upper	05700-003-81-76
13	1	Wash Arm Weldment, Left	05700-003-75-79
14	1	Wash Arm Weldment, Right	05700-003-75-80
15	1	Pre-Wash Arm Weldment, Lower	05700-003-80-96
16	4	Cap, Threaded	04730-603-12-00

PUMP & MOTOR ASSEMBLY	PART NUMBER
Pre-Wash Pump, 2HP, 208V, 60Hz, 3-Phase	06105-003-76-12
Pre-Wash Pump, 2HP, 230V, 60Hz, 3-Phase	06105-003-76-12
Pre-Wash Pump, 2HP, 460V, 60Hz, 3-Phase	06105-003-76-12
Pre-Wash Pump, 2HP, 460V, 60Hz, 1-Phase	06105-003-76-14
Pre-Wash Pump, 2HP, 230V, 60Hz, 1-Phase	06105-003-76-14

PARTS

RINSE ASSEMBLY



RINSE INJECTOR CONNECTIONS

P: PRESSURE SWITCH
 S: SANITIZER
 R: RINSE AID

NOTE 2

NOTE 1

NOTE 1:

This hose connects to part #16 at one end and to part #20 at the opposite end.

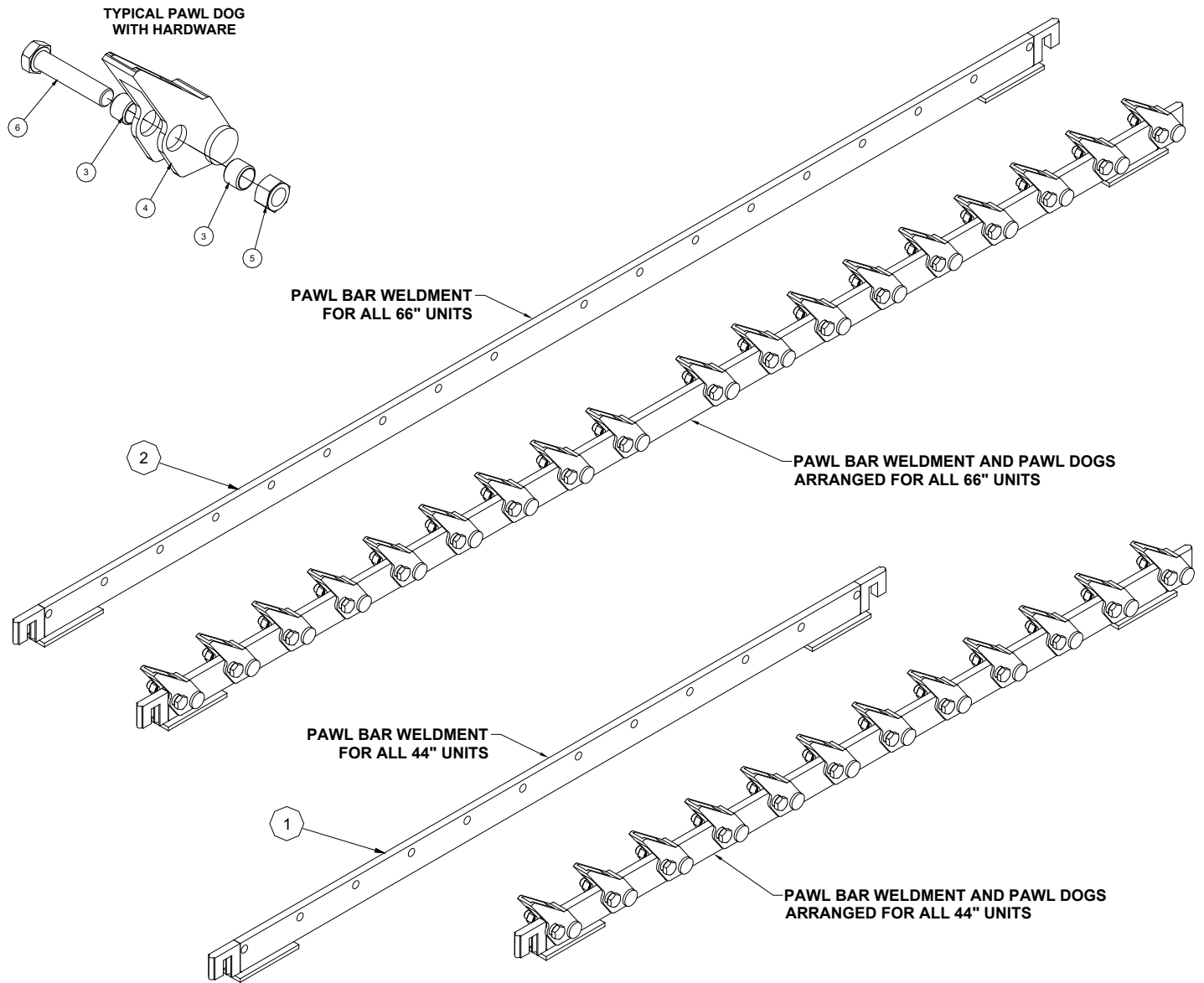
NOTE 2:

A hose from the Main Water Inlet Assembly connects to this elbow. For units with the Booster Heater option, the hose will connect to the booster heater outlet.

ITEM	QTY	DESCRIPTION	PART NUMBER
1	3	Elbow, 90 Deg., 1/2" Brass	04730-206-08-00
2	1	Vacuum Breaker, 1/2"	04820-003-06-13
3	1	Upper Rinse Arm	05700-003-76-02
4	1	Lower Rinse Arm	05700-003-76-04
5	1	Rinse Manifold	05700-003-76-79
6	1	Rinse Injector (L-R Units) (R-L Units)	05700-003-76-82 05700-003-76-83
7	1	Nipple, 1/2" Close Brass	04730-207-15-00
8	1	Valve, Ball Test Cock, 1/4" Bronze	04810-011-72-67
9	1	Tee, 1/2" FNPT x 1/2" FNPT x 1/4" FNPT	04730-002-22-56
10	2	Plug, 1/8" NPT Brass	04730-209-07-37
11	1	Gasket, Rinse Manifold	05330-003-75-91
12	1	Fitting, Imperial Brass	05310-924-02-05
13	1	Plug, 1/4"	04730-209-01-00
14	3	O-Ring, Silicon, .103 Dia., 11/16" x 7/8" OD	05330-003-77-82
15	1	Elbow, Brass, 90 Deg., 1/4" NPTM x 1/4" NPTF	04730-003-77-83
16	6	Locknut, 1/4-20 Hex w/Nylon Insert	05310-374-01-00
17	2	Bolt, 1/4-20 x 1/2" Long	05305-274-02-00
18	2	Lockwasher, Spring, 1/4"	05311-274-01-00
19	1	Elbow Weldment, Temp Gauge	05700-003-77-12
20	1	Gauge, 0-100# Pressure	06685-111-88-34
21	1	Decal 15-25 PSI	09905-002-97-74
22	2	End Plug	05700-011-35-92
23	1	Hose, 1/4 x 30 S/S Braided w/PTFE, Male Swivel	04720-003-76-10

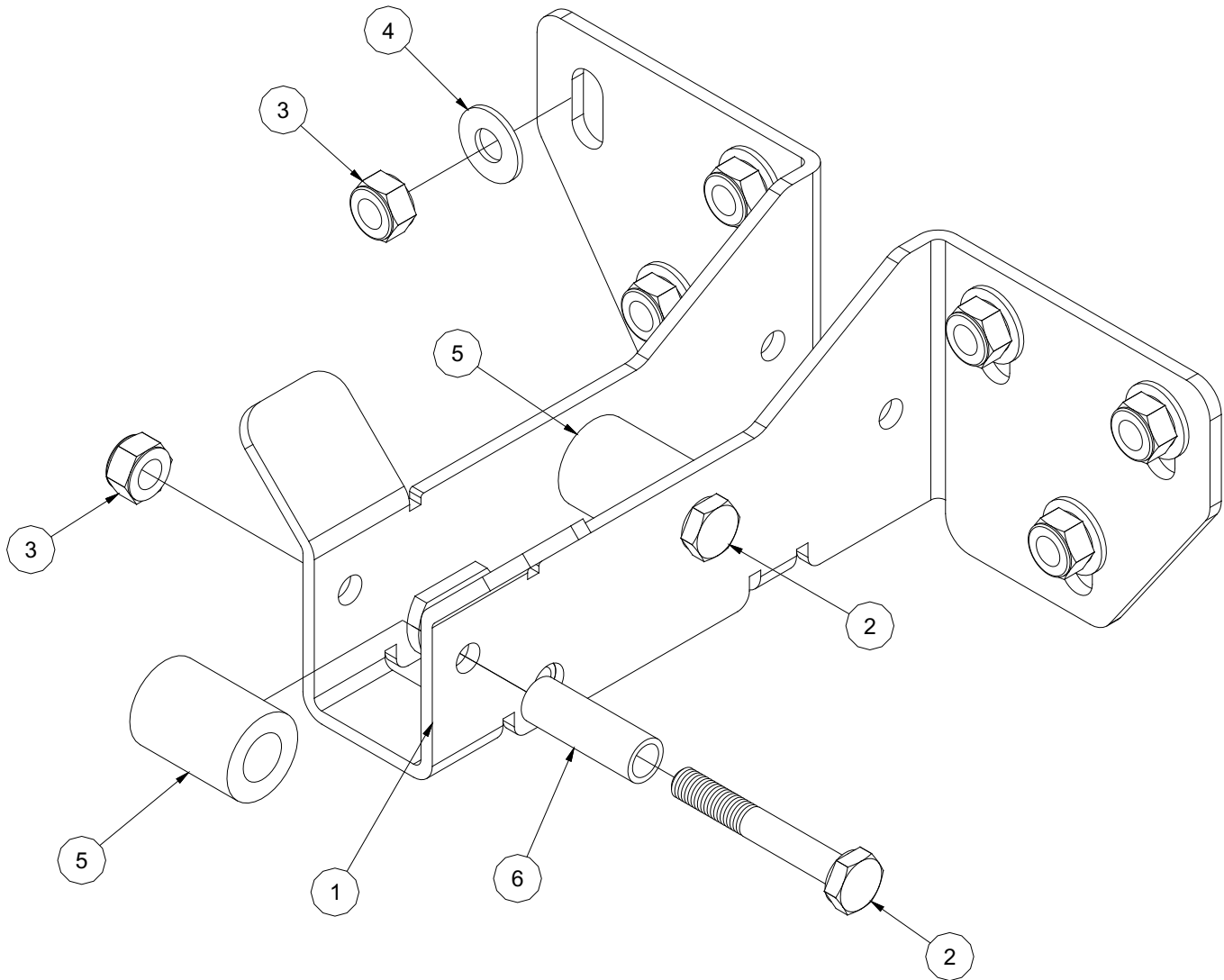
PARTS

PAWL BAR ASSEMBLIES



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Pawl Bar Weldment, 44" Units	05700-031-72-77
2	1	Pawl Bar Weldment, 66" Units	05700-003-89-34
3	24 (44") 36 (66")	Spacer, Pawl Bar Dog	05700-011-71-45
4	12 (44") 18 (66")	Pawl Bar Dog Casting	09515-021-69-00
5	12 (44") 18 (66")	Locknut, 3/8-16 w/Nylon Insert	05310-011-72-55
6	12 (44") 18 (66")	Bolt, 3/8-16 x 1-3/4" Long	05306-011-36-94

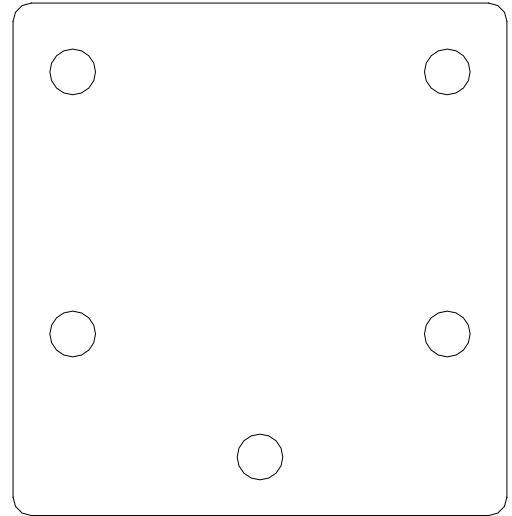
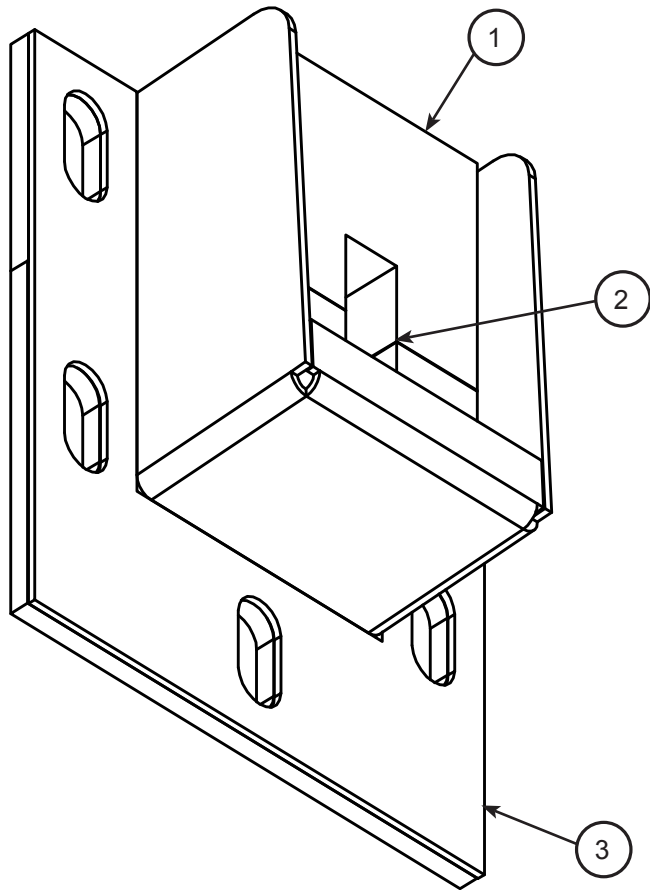
PAWL BAR BRACKET ASSEMBLY



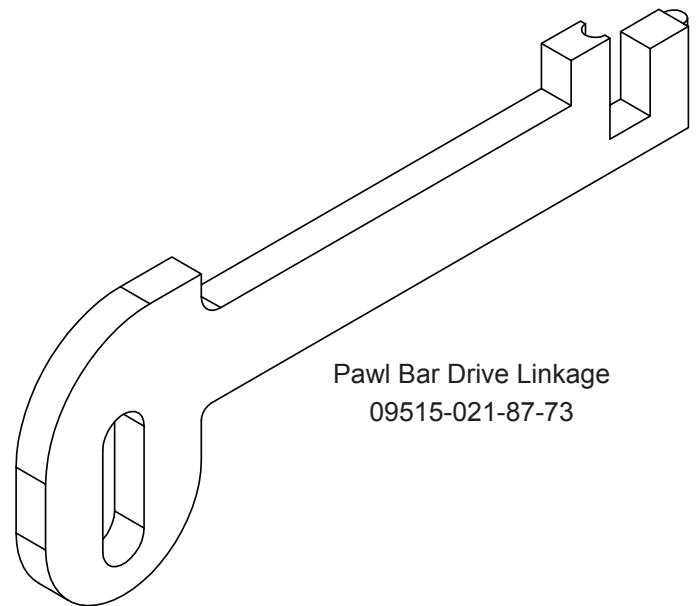
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Pawl Bar Bracket Weldment	05700-003-74-39
2	2	Screw, 1/4-20 x 1-3/4" Hex Head	05305-274-10-00
3	8	Locknut, 1/4-20 Hex w/Nylon Insert	05310-374-01-00
4	6	Washer, S/S	05311-174-01-00
5	2	Roller, Bracket Rod	05700-011-68-16
6	2	Shaft, Roller, 3/8" x 1.13"	05700-011-68-14
		Pawl Bar Roller Replacement Kit (comes with # 2, 3, 5 & 6)	06401-003-11-80

PARTS

PAWL BAR GUTTER ASSEMBLY



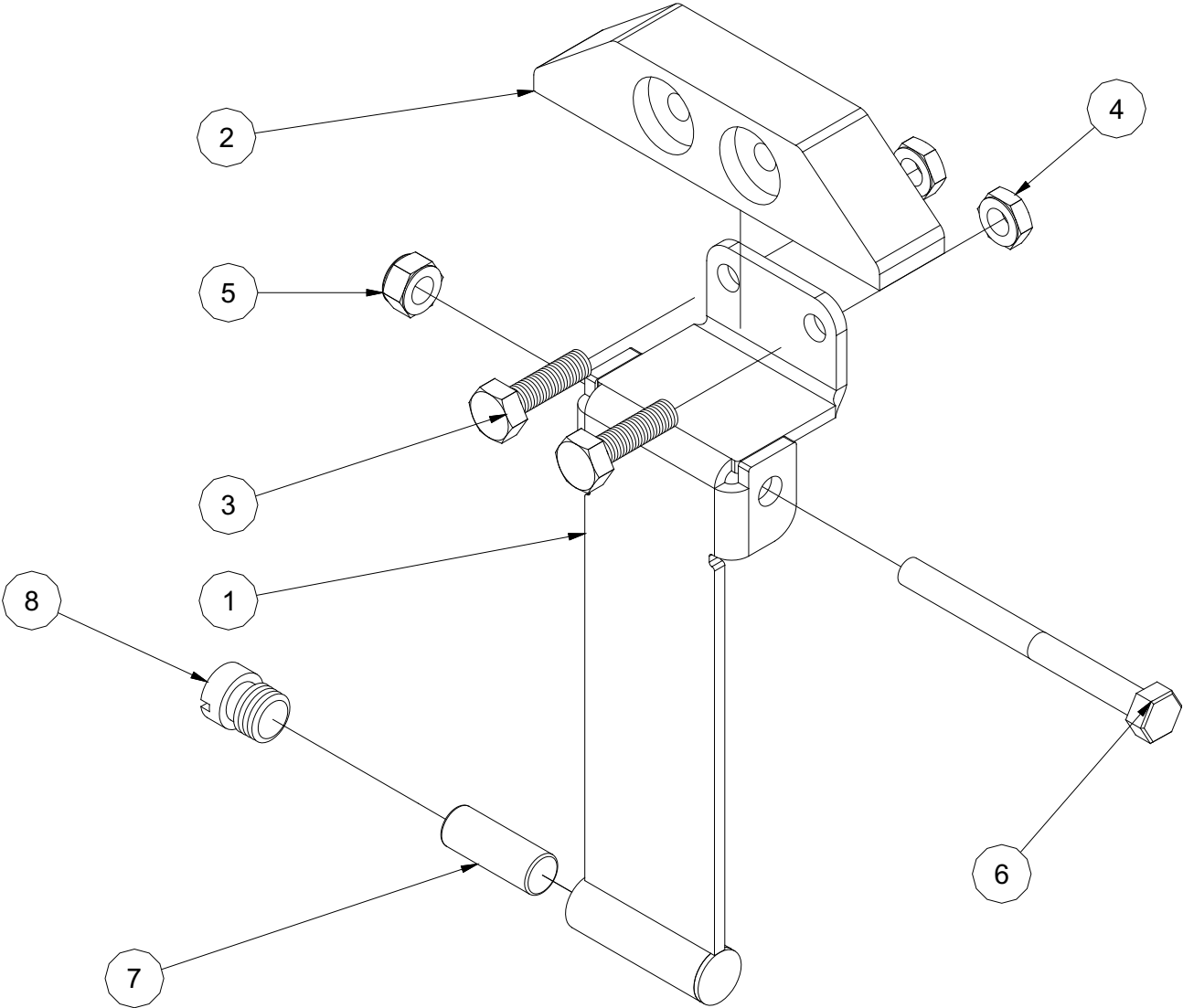
Drive Rod Hole Cover
05700-003-75-68



Pawl Bar Drive Linkage
09515-021-87-73

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Top Guide Block	05700-011-69-49
2	1	Bottom Guide Block	05700-011-69-50
3	1	Pawl Bar Gutter Weldment	05700-021-66-86
4	1	Drive Gutter Gasket (not shown)	05330-011-68-55
	1	Gutter Weldment Replacement Kit (w/Hardware)	06401-003-09-95
	1	Guide Block Replacement Kit	06401-003-10-15

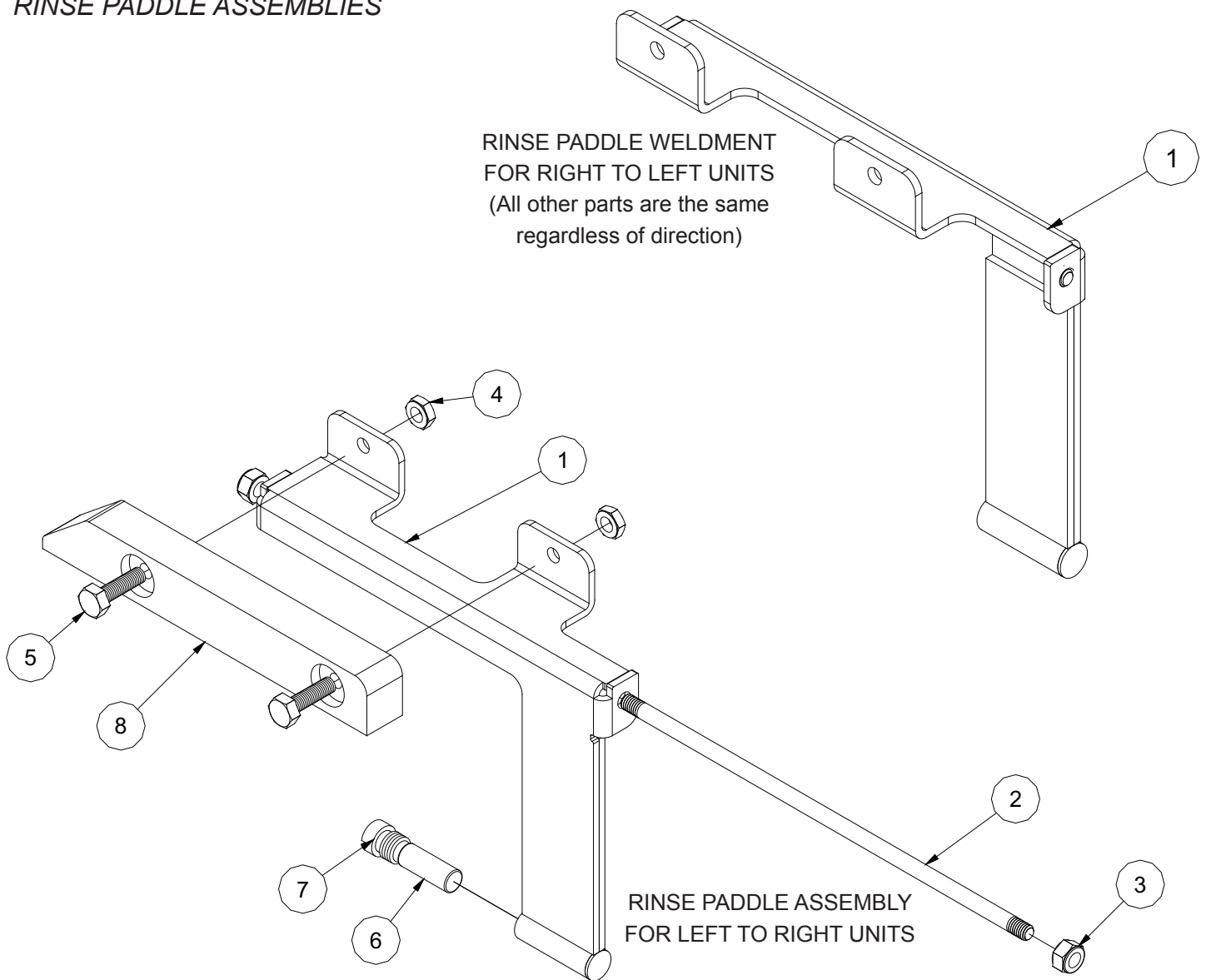
PARTS
RACK PADDLE ASSEMBLY



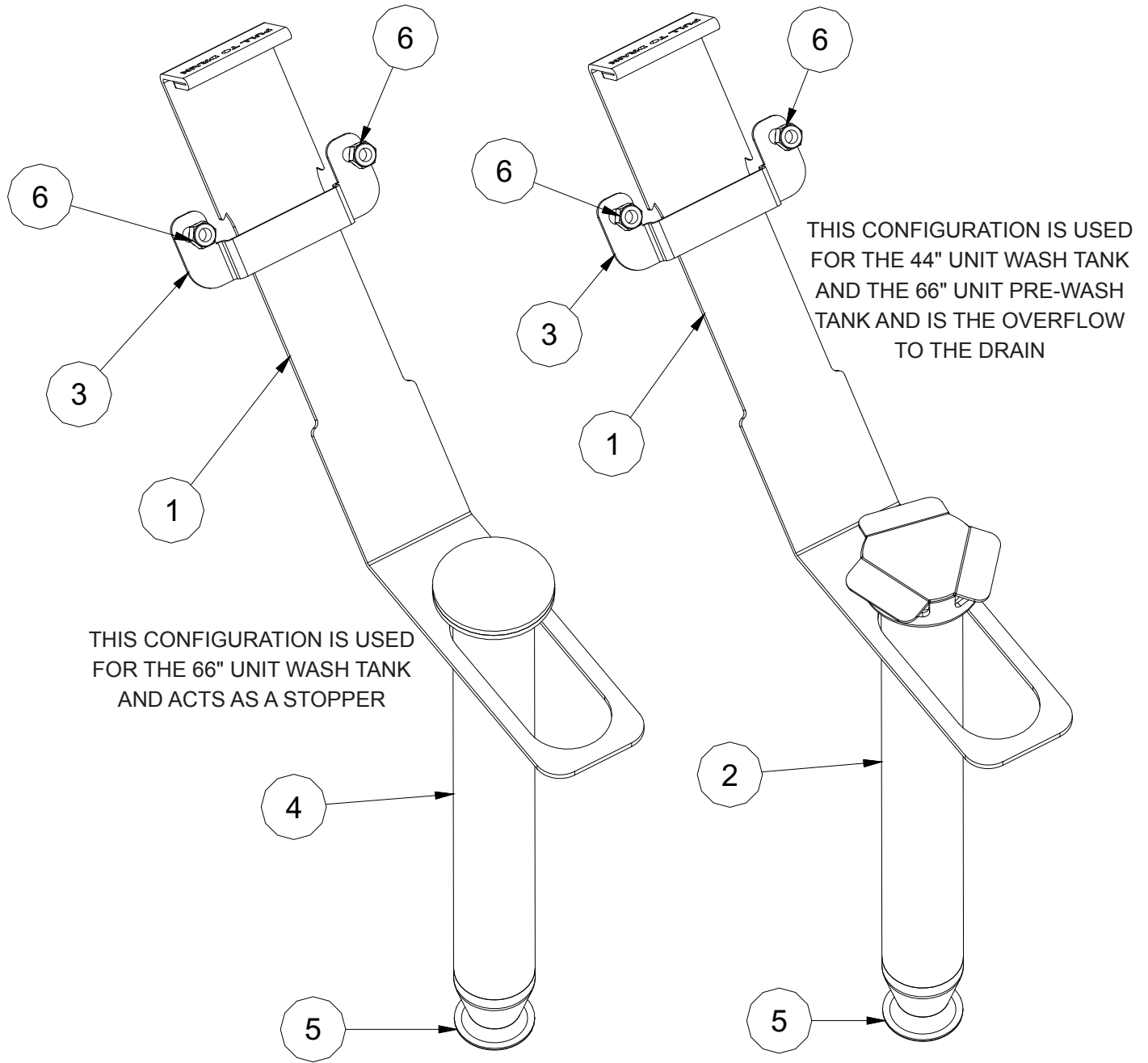
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Rack Paddle Weldment	05700-003-76-71
2	1	Bumper, Rack Paddle	09330-003-74-82
3	2	Screw, 1/4-20 x 7/8" S/S	05305-274-05-00
4	2	Locknut, 1/4-20 Low Profile w/Nylon Insert	05310-374-02-00
5	1	Locknut, 1/4-20 Hex w/Nylon Insert	05310-374-01-00
6	1	Screw, 1/4-20 x 2-3/4" Hex Head	05305-003-31-63
7	1	Magnet	05930-003-31-63
8	1	Wash/Rinse End Cap	05700-011-60-92
	1	Rack Paddle Assembly	05700-003-76-74

PARTS

RINSE PADDLE ASSEMBLIES



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Rinse Paddle Weldment (Left to Right) (Right to Left)	05700-003-81-91 05700-003-81-96
2	1	Stud, 1/4-20 x 8.50" Long, S/S, Double Ended Thread	05306-003-76-31
3	2	Locknut, 1/4-20 Hex w/Nylon Insert	05310-374-01-00
4	2	Locknut, 1/4-20 Low Profile w/Nylon Insert	05310-374-02-00
5	4	Screw, 1/2-20 x 7/8" Hex Head, S/S	05305-274-05-00
6	4	Magnet	05930-003-31-63
7	1	End Cap	05700-011-60-92
8	1	Bumper, Rinse Paddle	09330-003-81-04
	1	Rinse Paddle Assembly (Left to Right) (Right to Left)	05700-003-81-92 05700-003-81-95

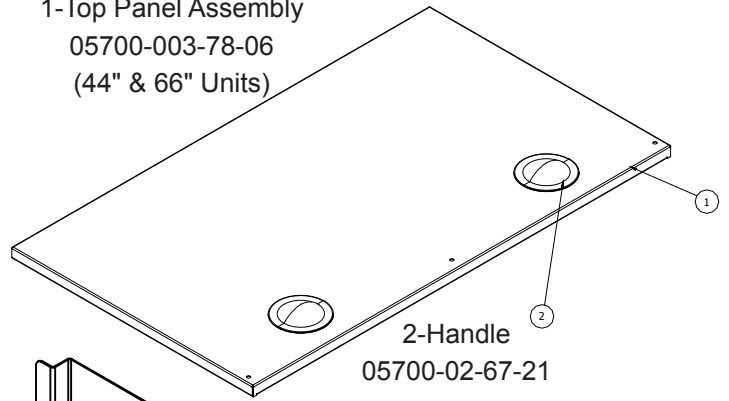


ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Drain Handle	05700-003-83-66
2	1	Drain Standpipe (Overflow)	05700-003-75-55
3	2	Drain Handle Bracket	05700-003-83-67
4	2	Drain Standpipe	05700-003-82-76
5	1	O-Ring	05330-400-05-00
6	2	Locknut, 1/4-20 Hex w/Nylon Insert	05310-374-01-00

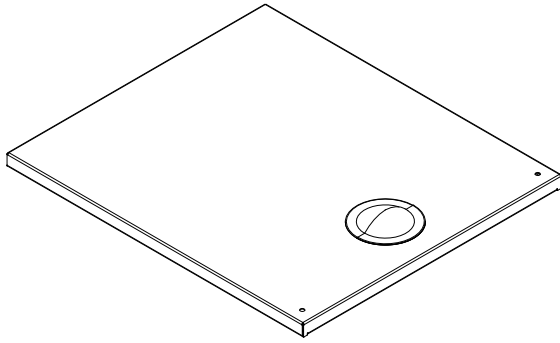
PARTS

COVERS, GUARDS & PANELS

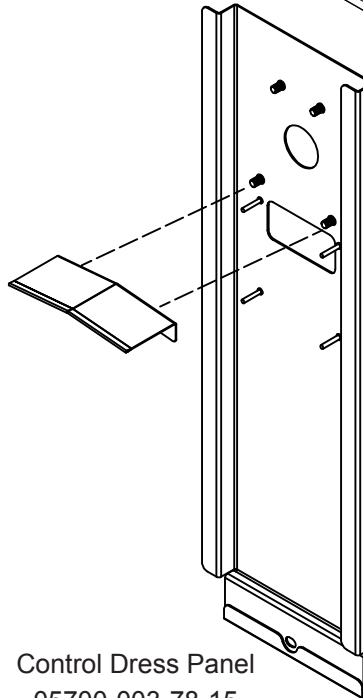
1-Top Panel Assembly
05700-003-78-06
(44" & 66" Units)



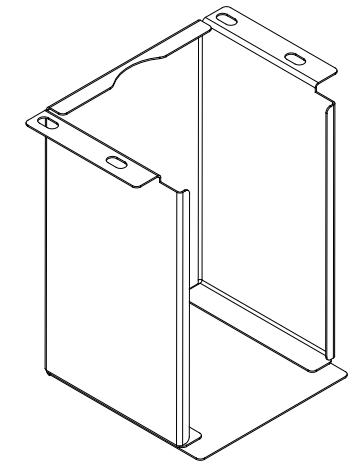
Pre-Wash Top Panel Assembly
05700-003-82-49



2-Handle
05700-02-67-21

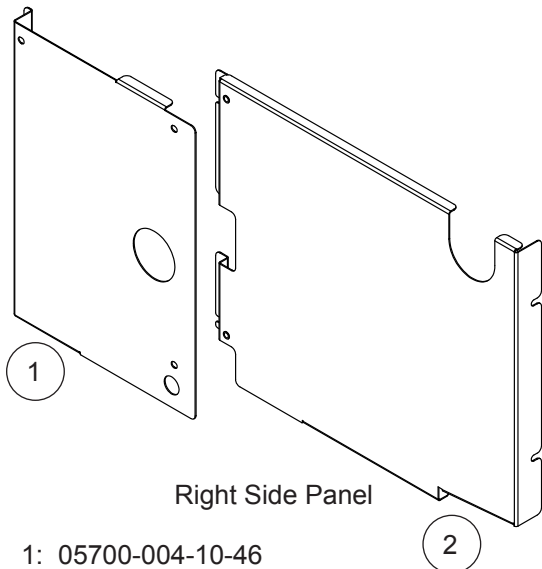
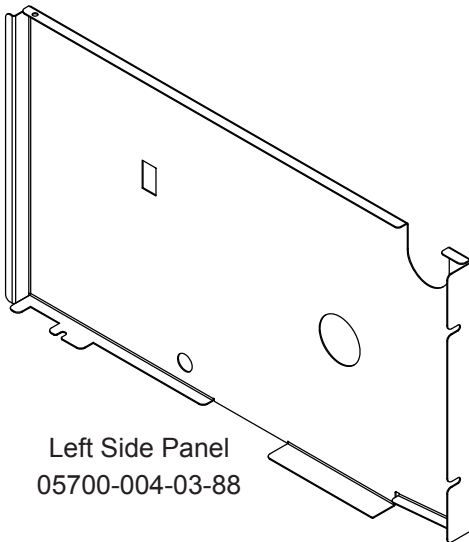


Control Dress Panel
05700-003-78-15



Cover, Wash Heater
05700-003-74-73
(Electrically Heated Units Only)

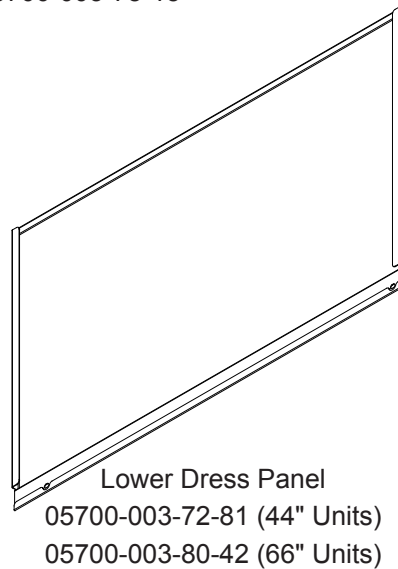
Left Side Panel
05700-004-03-88



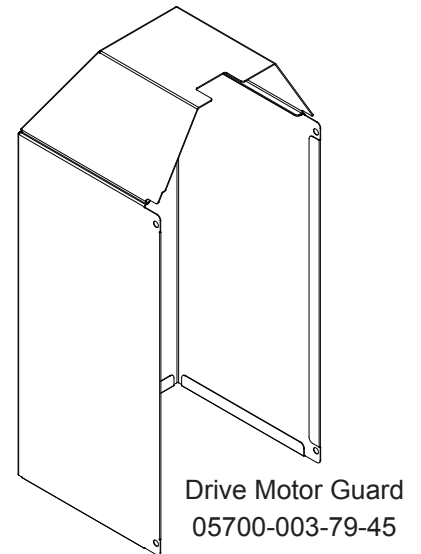
Right Side Panel

1: 05700-004-10-46
(Electric Units)
05700-004-10-87
(Steam Units)

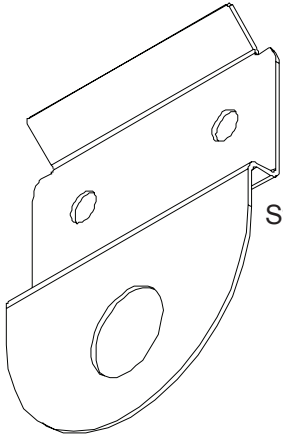
2: 05700-004-10-45



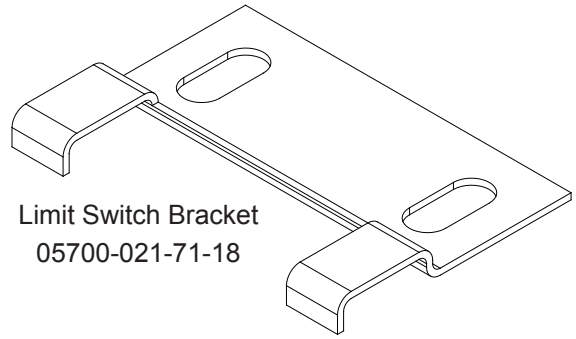
Lower Dress Panel
05700-003-72-81 (44" Units)
05700-003-80-42 (66" Units)



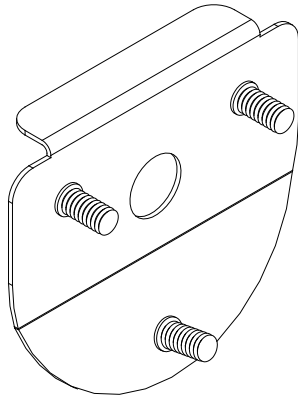
Drive Motor Guard
05700-003-79-45



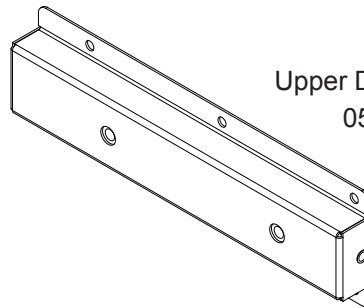
Start Switch Bracket
05700-003-74-65



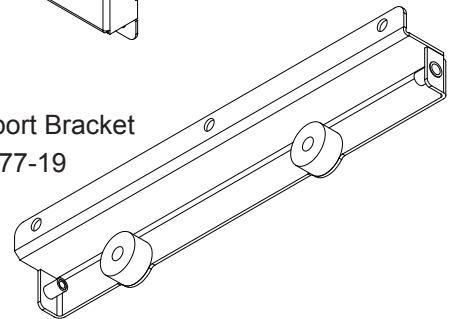
Limit Switch Bracket
05700-021-71-18



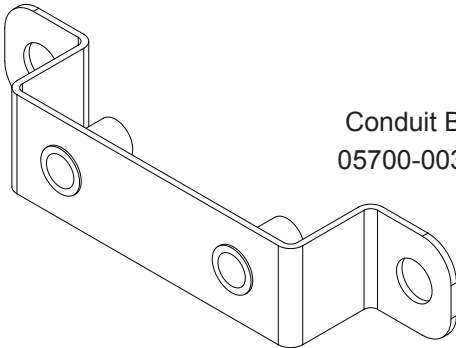
Fill Tube Bracket
05700-003-79-55



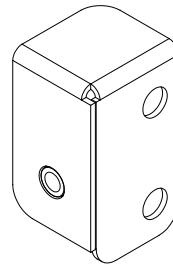
Upper Drive Support Bracket
05700-003-77-18



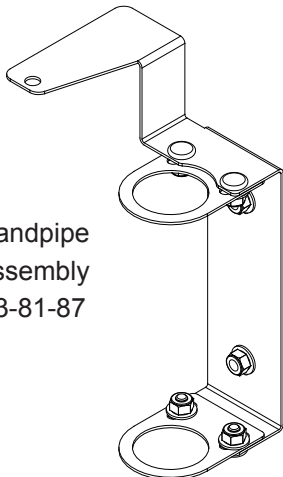
Lower Drive Support Bracket
05700-003-77-19



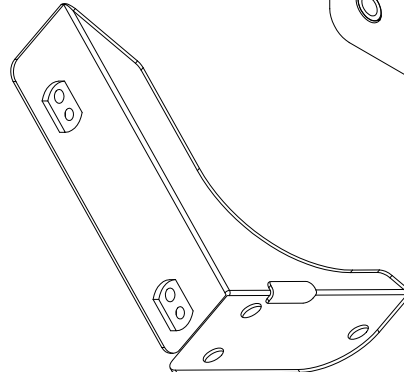
Conduit Bracket
05700-003-77-87



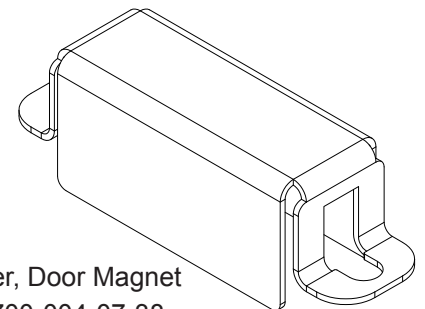
Panel Bracket, Right
05700-003-78-14



Float & Standpipe
Bracket Assembly
05700-003-81-87



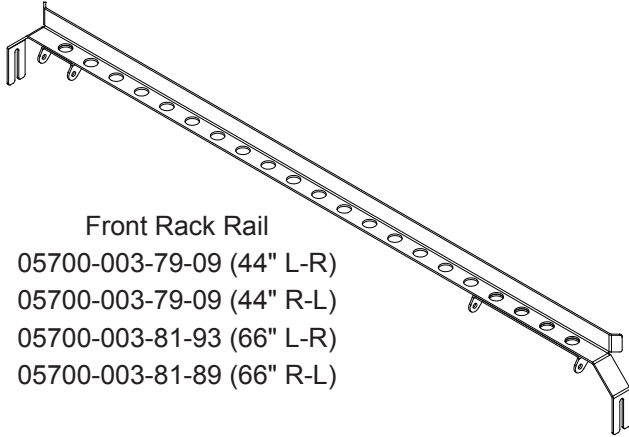
Panel Bracket, Left
05700-003-78-13



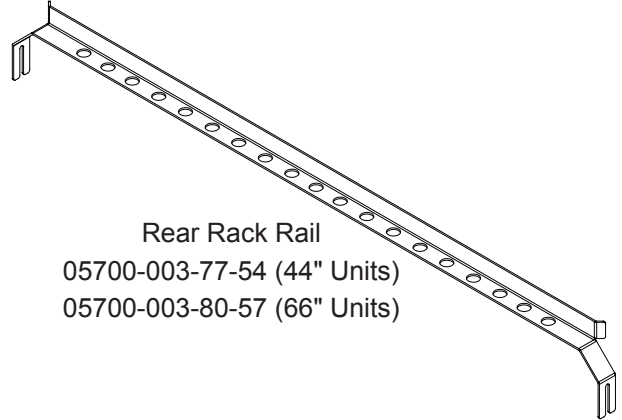
Cover, Door Magnet
05700-004-07-38

PARTS

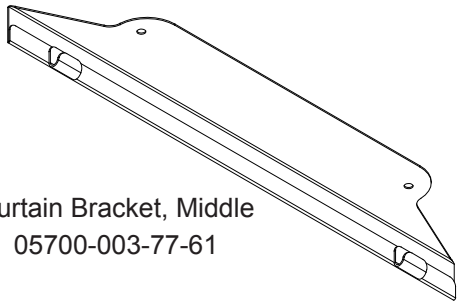
MISCELLANEOUS PARTS



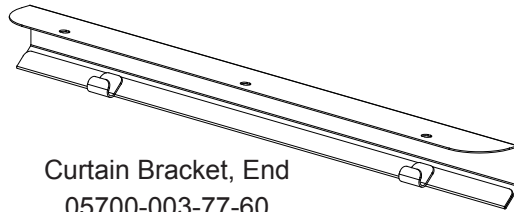
Front Rack Rail
05700-003-79-09 (44" L-R)
05700-003-79-09 (44" R-L)
05700-003-81-93 (66" L-R)
05700-003-81-89 (66" R-L)



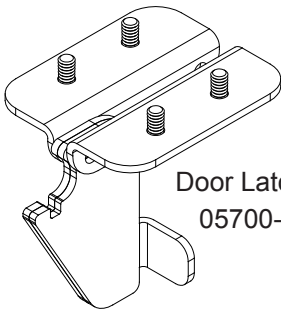
Rear Rack Rail
05700-003-77-54 (44" Units)
05700-003-80-57 (66" Units)



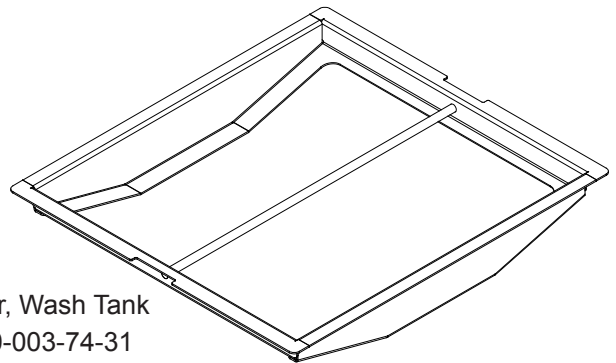
Curtain Bracket, Middle
05700-003-77-61



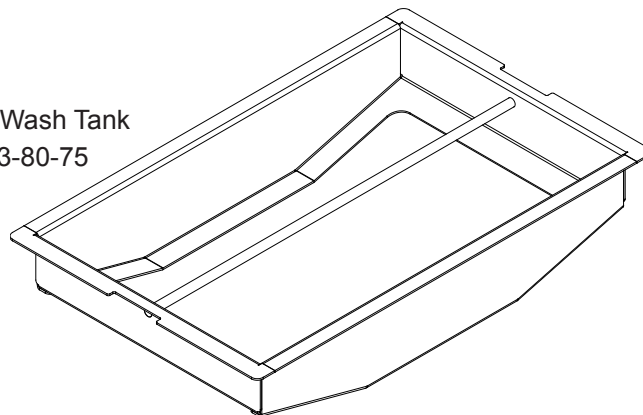
Curtain Bracket, End
05700-003-77-60



Door Latch Assembly
05700-003-75-76

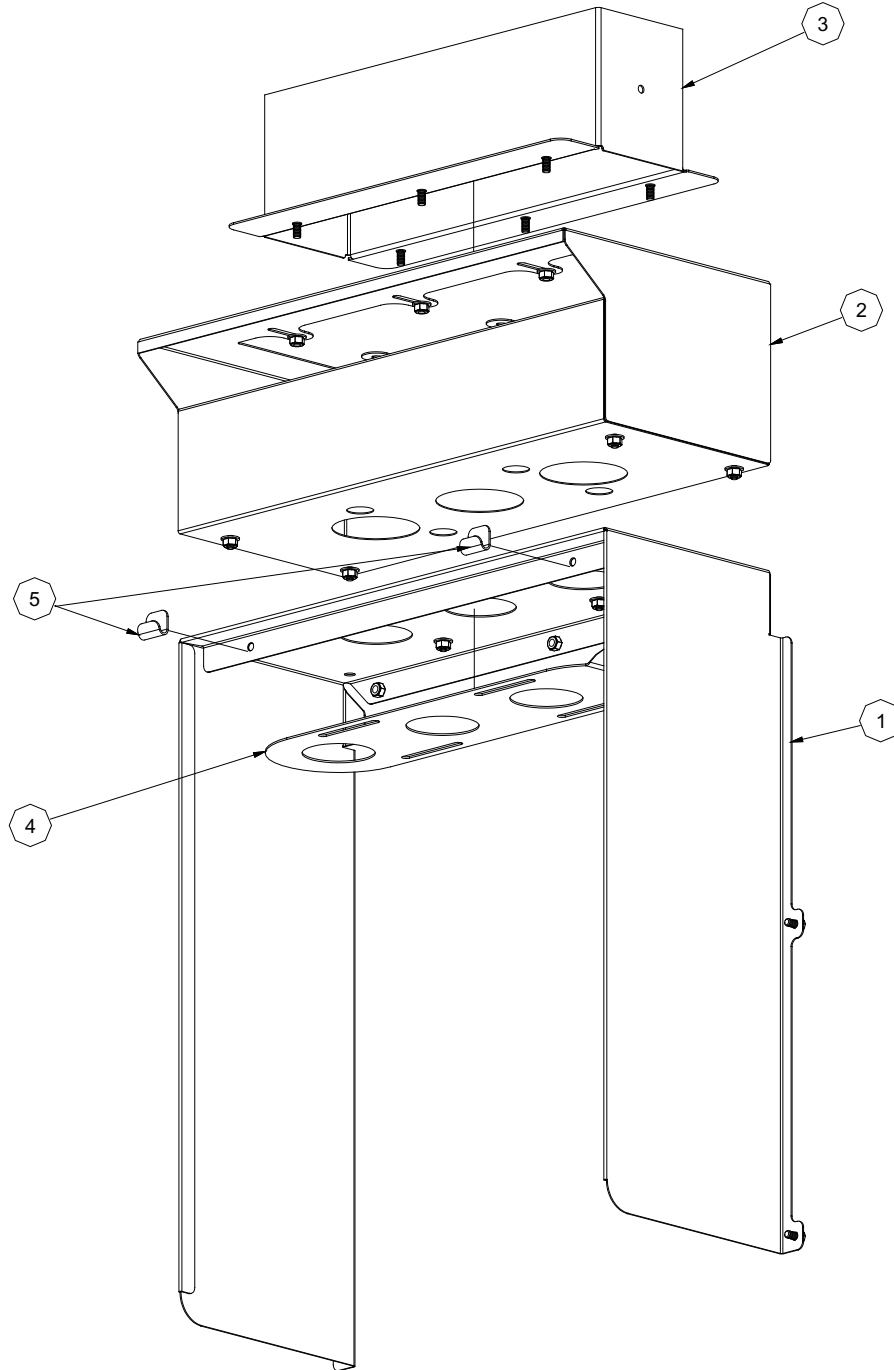


Strainer, Wash Tank
05700-003-74-31



Strainer, Pre-Wash Tank
05700-003-80-75

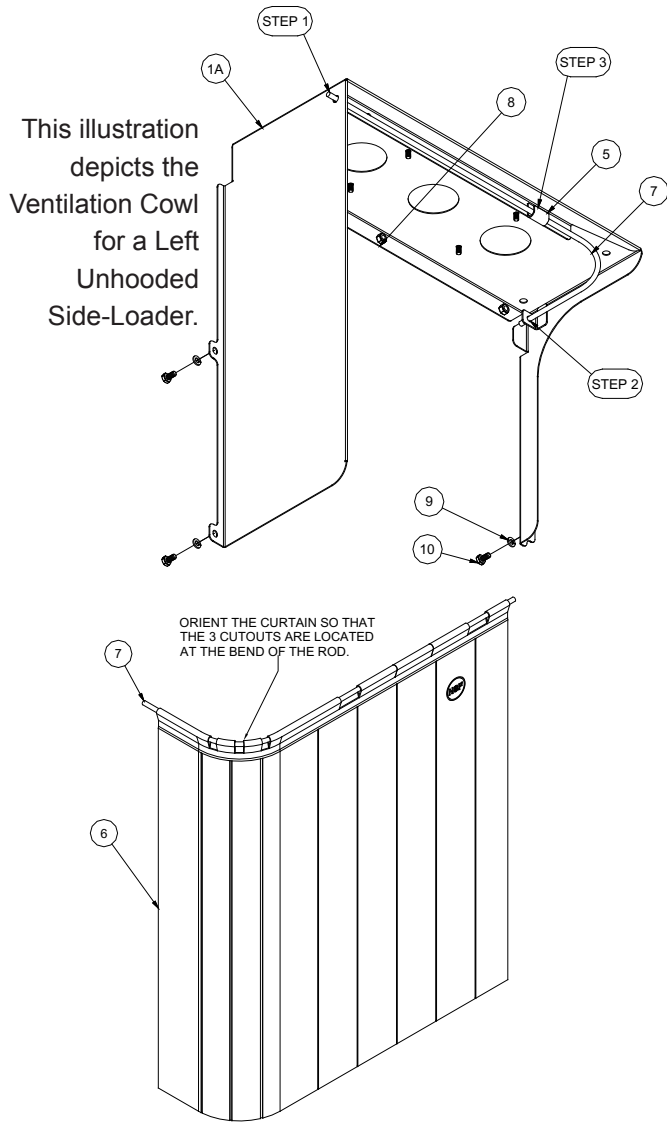
VENTILATION COWL PARTS



ITEM	QTY	DESCRIPTION	PART NUMBER
1	2	Ventilation Cowl	05700-003-77-50
	1	Ventilation Cowl, Left Side (for Door Accent Panel option)	05700-003-75-77
	1	Ventilation Cowl, Right Side (for Door Accent Panel option)	05700-003-75-78
2	2	Ventilation Scoop	05700-003-75-74
3	2	Ventilation Duct Adapter	05700-003-75-73
4	2	Damper, Ventilation Scoop	05700-003-74-76
5	4	Curtain Hook	05700-003-17-98

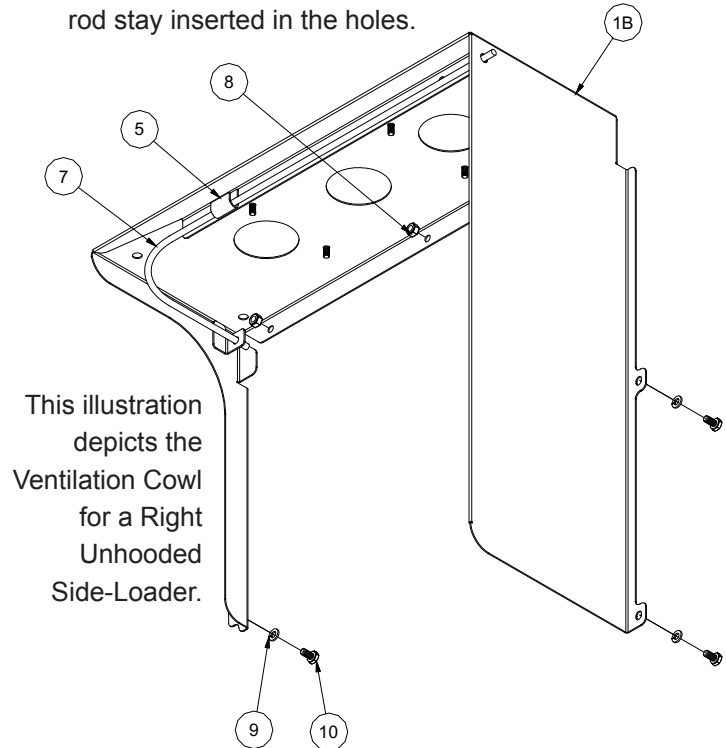
PARTS

VENTILATION COWL FOR UNHOODED SIDE-LOADER OPTION



To attach the curtain and rod to the Ventilation Cowl, ensure that the curtain is oriented as depicted and follow the steps below:

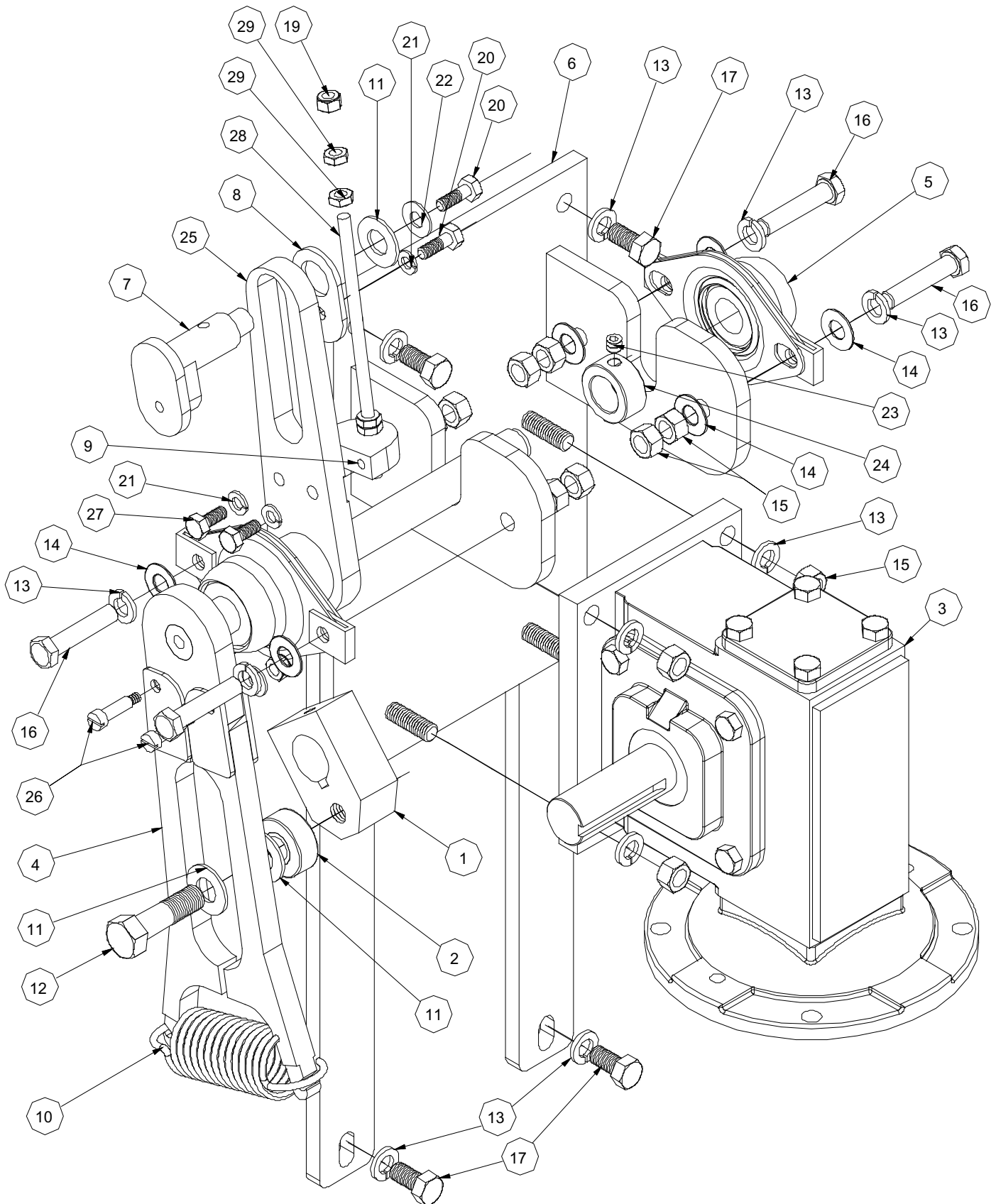
1. Insert the rod into the hole at the rear of the Ventilation Cowl.
2. Insert the rod into the bracket at the front of the Ventilation Cowl.
3. Gently lift the rod at the curtain cutout over and onto the curtain hook ensuring that the ends of the rod stay inserted in the holes.



ITEM	QTY	DESCRIPTION	PART NUMBER
1A	1	Ventilation Cowl w/Cutout for Left Side Loader	05700-003-84-67
1B	1	Ventilation Cowl w/Cutout for Right Side Loader	05700-003-84-66
2	1	Ventilation Scoop (not shown)	05700-003-75-74
3	1	Ventilation Duct Adapter (not shown)	05700-003-75-73
4	1	Damper, Ventilation Scoop (not shown)	05700-003-74-76
5	2	Curtain Hook	05700-003-86-10
6	1	Curtain, XL for Side-Loader	08415-003-84-88
7	1	Curtain Rod	05700-003-84-57
8	3	Locknut, 1/4"-20 Hex w/Nylon Insert	05310-374-01-00
9	3	Lockwasher, 1/4" Spring	05311-274-01-00
10	3	Bolt, 1/4"-20 x 1/2" Long	05305-274-02-00

PARTS

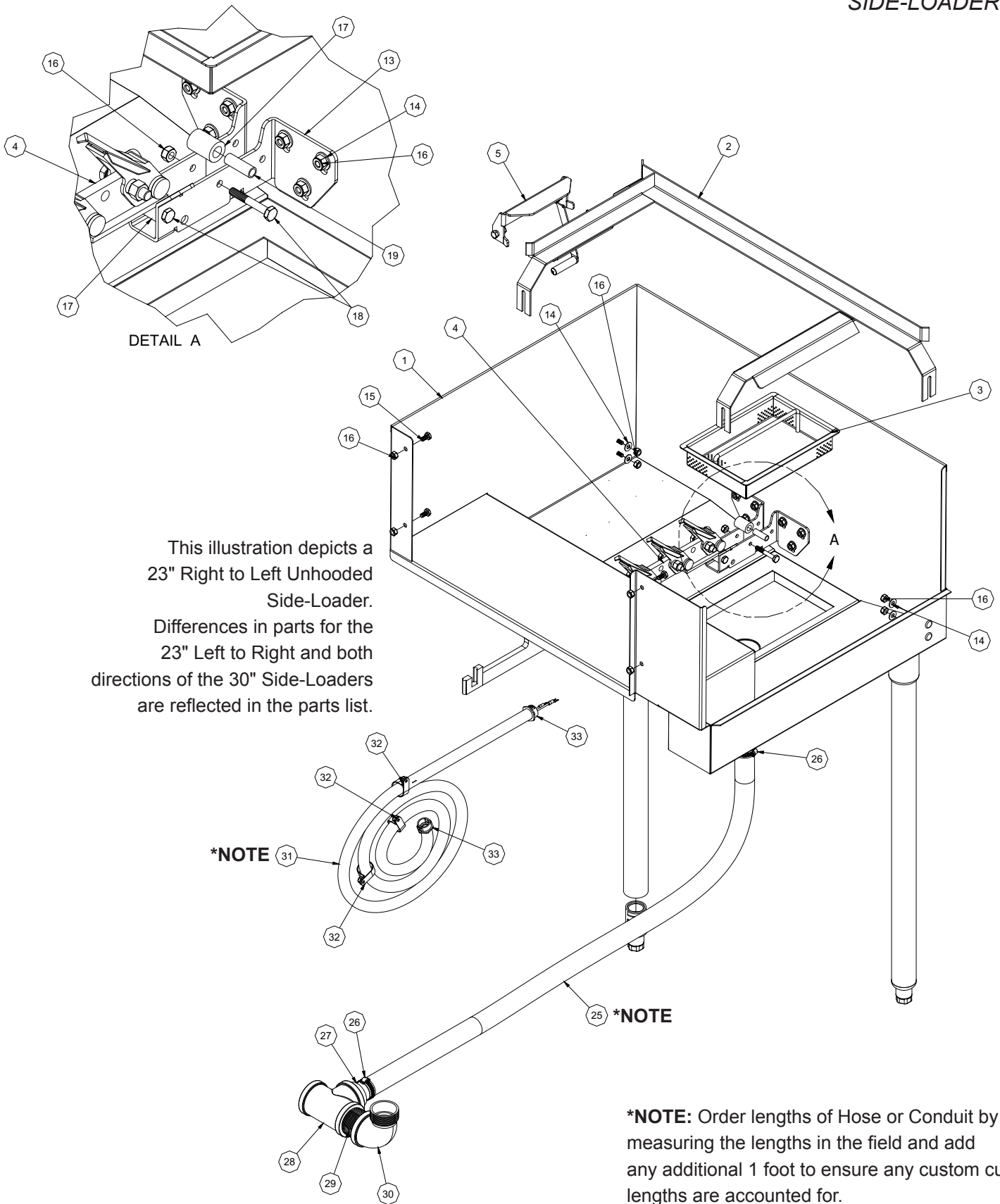
DRIVE ASSEMBLY



PARTS

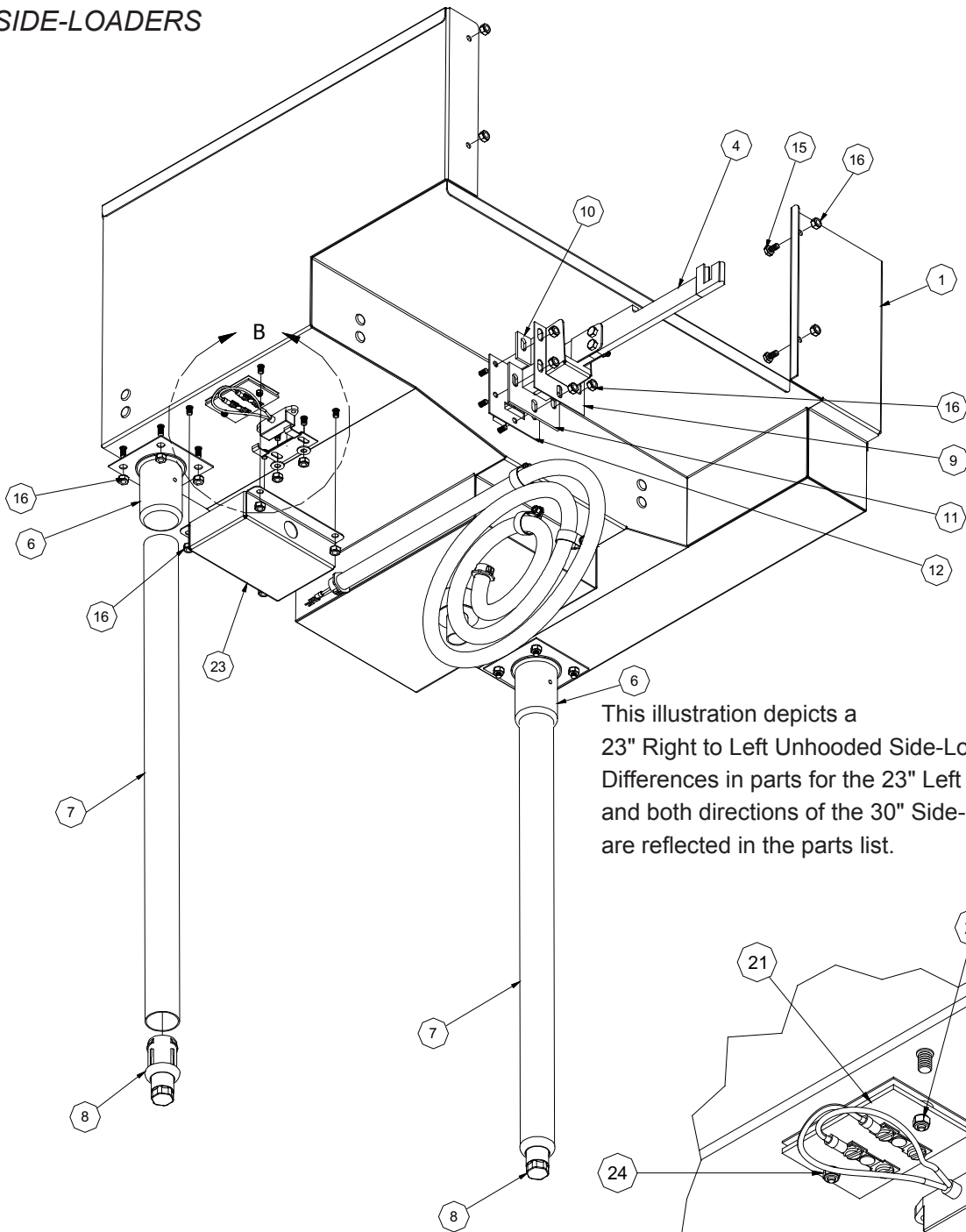
DRIVE ASSEMBLY

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Hub, Drive	05700-011-67-97
2	1	Bearing, Roller	03120-011-71-81
3	1	Gear, 50/1 Drive Motor	06105-011-71-88
4	2	Coupling & Expansion Legs Weldment	05700-021-67-50
5	1	Block, Pillow	03120-021-71-87
6	1	Drive Support Weldment	05700-003-75-61
7	1	Socket, Drive	05700-021-67-39
8	1	Plate, Spacer	05700-011-67-58
9	1	Plate, Drive Rod	05700-021-67-42
10	1	Spring, Drive	05315-011-71-93
11	3	Washer, 1/2" Flat S/S	05311-011-71-93
12	1	Bolt, 1/2"-13 x 1-3/4"	05305-011-71-94
13	12	3/8" Lockwasher	05311-276-01-00
14	8	Washer, 3/8" Flat S/S	05311-176-01-00
15	12	Nut, Hex 3/8"-16 S/S	05310-276-01-00
16	4	Bolt, 3/8"-16 x 1-3/4" Long	05306-011-36-94
17	4	3/8"-16 x 1-3/4" Long	05306-011-71-60
18	2	Washer, S/S 1/4"-20 (not shown)	05311-174-01-00
19	4	Locknut, 1/4"-20 Hex w/Nylon Insert	05310-374-01-00
20	2	Bolt, Hex Head, 1/4"-20 x 3/4"	05305-274-04-00
21	3	Lockwasher, Spring 1/4"	05311-274-01-00
22	1	Washer, 5/16"-18 S/S	05311-175-01-00
23	1	Set Screw, 5/16"-18 x 1/4"	05305-002-98-39
24	1	Collar, Shaft Conveyer Drive	05700-011-89-18
25	1	Drive Lever Weldment	05700-003-78-03
26	2	Screw, 10-32 x .75 Shoulder .25	05305-011-86-65
27	2	Screw, 1/4"-20 x 5/8" S/S Hex Head	05305-274-24-00
28	1	Stud, 1/4"-20 x 5.75" All Thread	05307-003-79-67
29	4	Nut, Hex 1/4"-20	05310-274-01-00

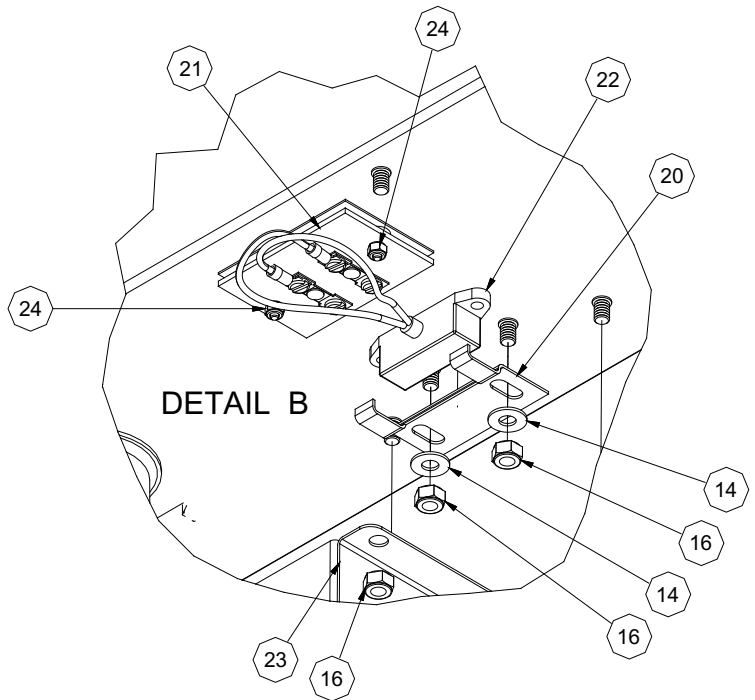


PARTS

SIDE-LOADERS



This illustration depicts a 23" Right to Left Unhooded Side-Loader. Differences in parts for the 23" Left to Right and both directions of the 30" Side-Loaders are reflected in the parts list.

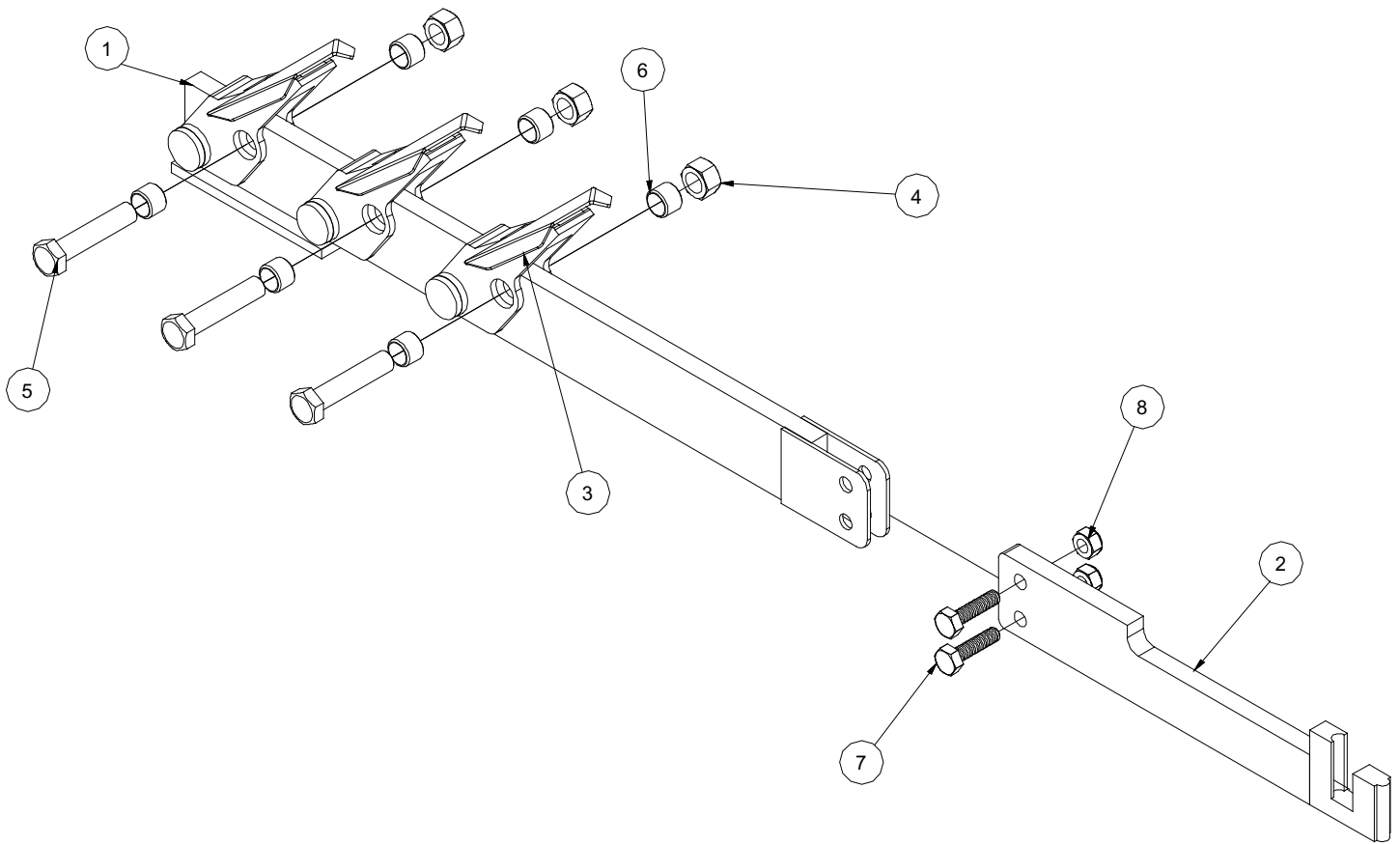


PARTS SIDE-LOADERS

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Tub Weldment, 23" Side-Loader L-R Tub Weldment, 23" Side-Loader R-L Tub Weldment, 30" Side-Loader L-R Tub Weldment, 30" Side-Loader R-L	05700-003-84-59 05700-003-84-58 05700-003-88-46 05700-003-88-39
2	1	Rack Support L-R Rack Support R-L	05700-003-90-00 05700-003-89-95
3	1	Strainer	05700-021-85-10
4	1	Pawl Bar Drive Linkage (see side-loader drive linkage page)	05700-003-84-78
5	1	Actuator Switch Assembly	06401-003-89-96
6	2	Leg Socket	05700-002-56-14
7	2	Support Leg	05700-021-87-59
8	2	Foot, Adjustable	05340-108-01-03
9	1	Gutter, Pawl Bar	05700-021-66-86
10	1	Guide Block Top-Slotted	05700-011-69-49
11	1	Guide Block Bottom-Slotted	05700-011-69-50
12	1	Gasket, Drive Gutter	05330-011-68-55
13	1	Bracket, Loader Pawl Bar Support	05700-003-87-39
14	16	Washer, 1/4" S/S	05311-174-01-00
15	4	Bolt, 1/4"-20 x 1/2" Long	05305-274-02-00
16	39	Locknut, 1/4"-20 Hex w/Nylon Insert	05310-374-01-00
17	2	Roller	05700-011-68-16
18	2	Screw, 1/4"-20 x 1-3/4" Long Hex Head	05305-274-10-00
19	2	Roller Shaft	05700-011-68-14
20	1	Bracket, Limit Switch	05700-021-71-18
21	1	Terminal Board	05940-011-84-41
22	1	Switch Assembly, Side-Loader, 24VDC	05700-003-87-43
23	1	Cover, Side-Loader Switch	05700-003-87-41
24	2	Locknut, 6-32 Hex w/Nylon Insert	05310-373-03-00
25	*NOTE	Drain Hose, Polybraid 1" (*SEE NOTE ON PG. 55)	*04720-011-69-16
26	2	Hose Clamp (Range: 13/16" to 1-1/2")	04730-719-06-09
27	1	Drain Fitting Weldment	05700-021-84-61
28	1	Tee, 1-1/2" Brass	04730-011-69-93
29	1	Nipple, 1-1/2" Close Brass	04730-207-40-00
30	1	Elbow, 90 Deg Street, Brass 1-1/2"	04730-206-32-00
31	*NOTE	Conduit, 1/2" Flex 2 (*SEE NOTE ON PG. 55)	*05975-003-33-36
32	3	Clamp, 1" Nylon	04730-002-41-88
33	2	Fitting, 1/2" Straight Twist/Snap	05975-003-33-27

PARTS

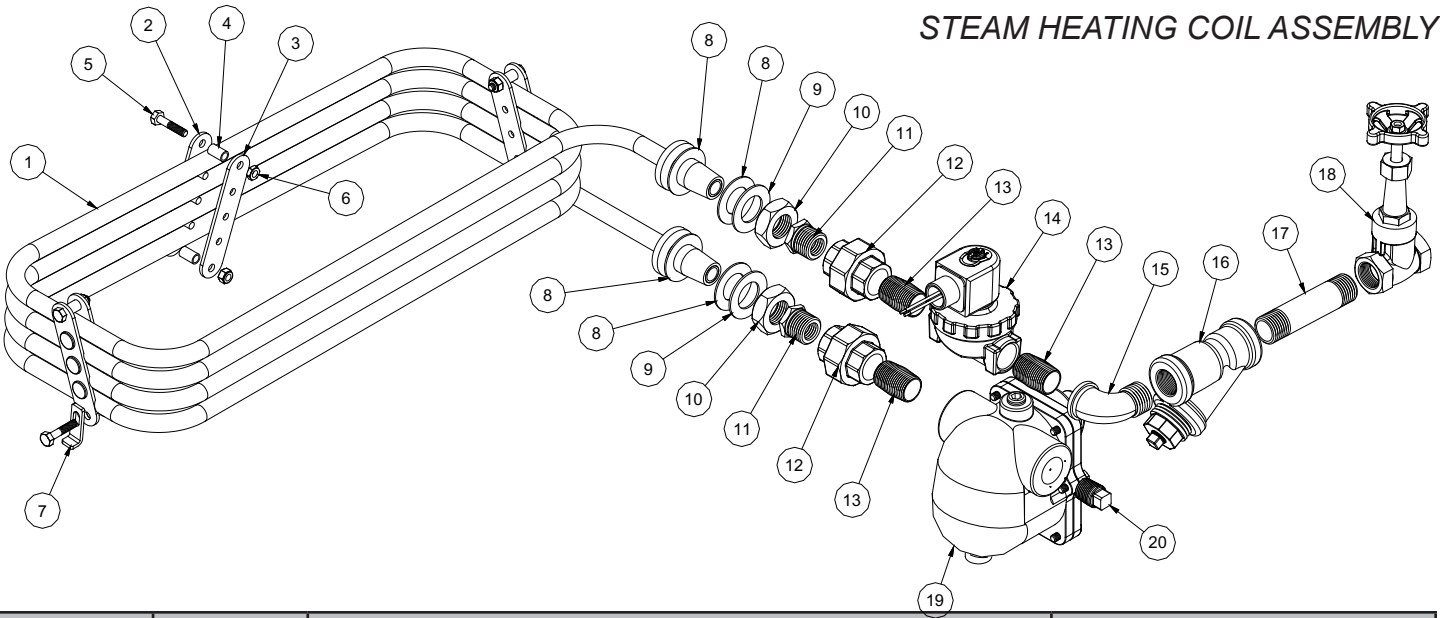
SIDE-LOADER DRIVE LINKAGE



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Pawl Bar, Side-Loader	05700-021-86-88
2	1	Drive Linkage, Side-Loader	05700-001-99-16
3	3	Pawl Dog w/Wing	05700-021-86-79
4	3	Locknut, 3/8"-16 w/Nylon Insert	05310-011-72-55
5	3	Bolt, 3/8"-16 x 1-3/4" Long Hex Head	05306-011-36-94
6	6	Spacer, Pawl Bar Dog	05700-011-71-45
7	3	Screw, 1/4"-20 x 1" Long Hex Head	05305-274-27-00
8	3	Locknut, 1/4"-20 Hex w/Nylon Insert	05310-374-01-00

PARTS

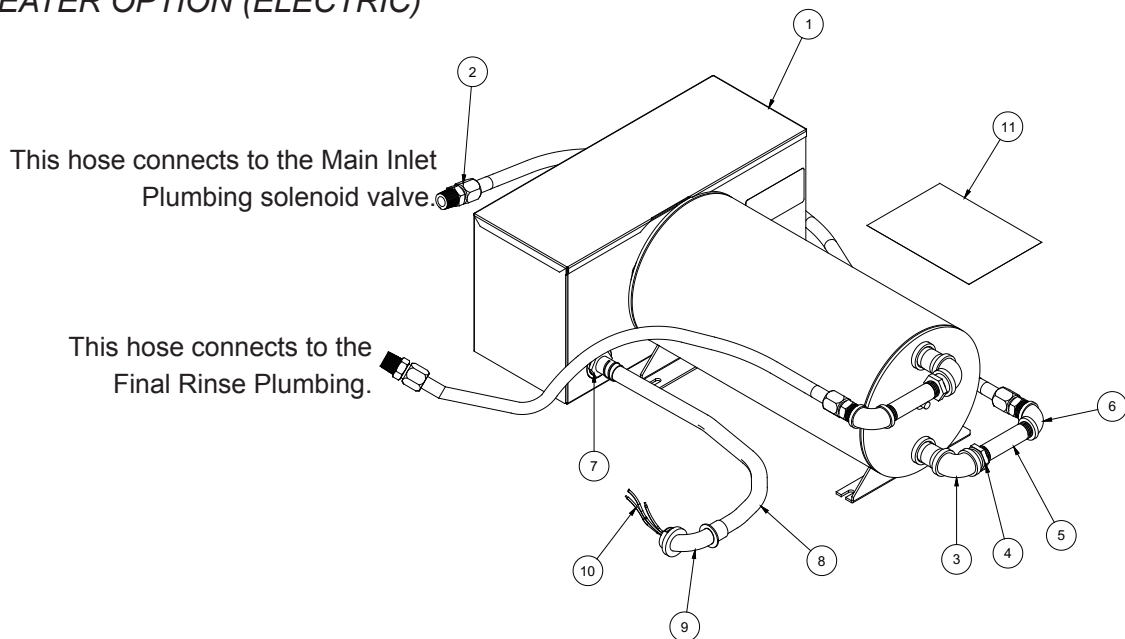
STEAM HEATING COIL ASSEMBLY



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Steam Coil Weldment	05700-003-83-70
2	3	Steam Coil Spacer Weldment	05700-003-83-33
3	3	Plate, Steam Coil Spacer	05700-003-83-32
4	6	Sleeve, 1/4" x 5/8" Long	05700-003-83-35
5	6	Bolt, 1/4"-20 x 1-1/4 Hex Head	05305-274-22-00
6	6	Locknut, 1/4"-20 Low Profile w/Nylon Insert	05310-374-02-00
7	1	Bracket, Steam Coil Adjustment	05700-003-83-79
8	4	Gasket, Steam Coil	05700-001-17-86
9	2	Washer, Steam Coil Adapter	05700-001-17-87
10	2	Nut, Steam Coil Adapter	05310-011-17-85
11	2	Reducer, 3/4" x 1/2" Black Iron	04730-911-02-34
12	2	Union, 3/4" Black Iron	04730-912-01-00
13	3	Nipple, Close 3/4" Black Iron	04730-907-01-00
14	1	Valve, 3/4" Steam 110V Coil	04820-011-87-39
15	1	Elbow, 3/4" Street, Black Iron	04730-011-87-37
16	1	Y-Strainer, 3/4" Steam	04730-217-01-32
17	1	Nipple, 3/4" x 4" Long, Black Iron	04730-907-02-34
18	1	Valve, Gate 3/4" Steam	04820-100-19-00
19	1	Trap, Steam 3/4"	06680-500-02-77
20	1	Plug, 3/4" Square Head, Black Iron	04730-002-86-59
	1	Insulation, Steam Inlet, R to L (not shown)	05700-003-90-02
	1	Insulation, Steam Inlet, L to R (not shown)	05700-003-90-03
	1	Insulation, Steam Trap (not shown)	05700-003-90-04
	1	Insulation, Steam Union (not shown)	05700-003-90-05

PARTS

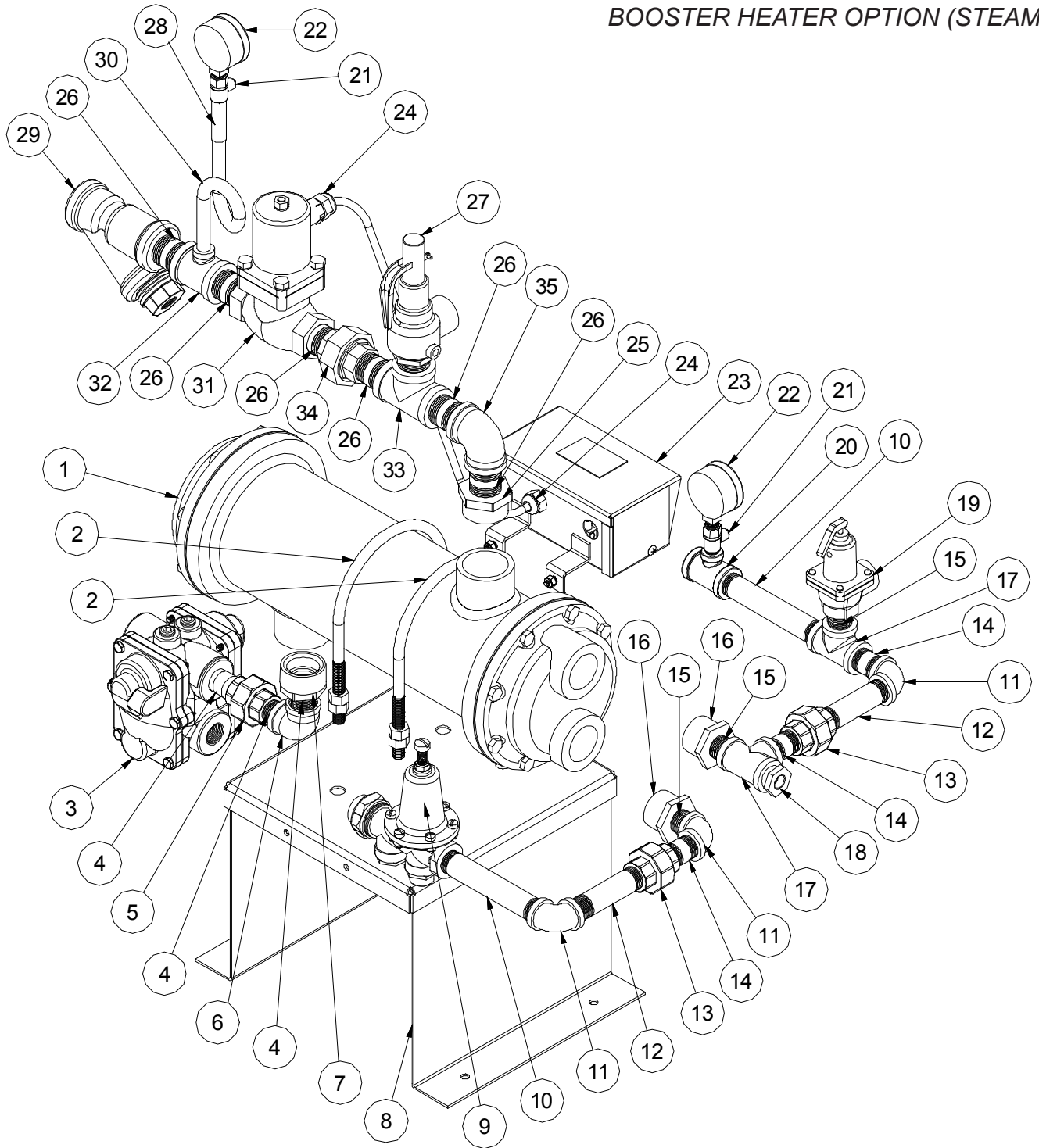
BOOSTER HEATER OPTION (ELECTRIC)



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Booster Heater	See Chart Below
2	2	Hose, 1/2" x 42" S/S Braided	04720-003-76-09
3	2	Elbow, 3/4" 90 Deg. Brass	04730-206-13-00
4	2	Bushing, 3/4" x 1/2" Hex Brass	04730-002-56-27
5	2	Nipple, 1/2" x 4" Long Brass	04730-207-04-00
6	2	Elbow, 1/2" 90 Deg. Brass	04730-011-42-96
7	1	Fitting, 3/4" Straight QT Snap	05975-003-77-46
8	1	Conduit, 1/2" x 24" Long	05700-003-79-40
9	1	Fitting, 3/4" 90 Deg. QT Snap	05975-003-77-45
10	3	Wire, 10AWG, Fiberglass, 3'	06145-003-13-97
11	1	Schematic (Refer to Booster Heater Schematic Pages)	

BOOSTER HEATER	PART NUMBER
12 kW (40 degree F Rise) 208V, 3-Phase	04540-003-76-58
12 kW (40 degree F Rise) 240V, 3-Phase	04540-003-76-60
12 kW (40 degree F Rise) 480V, 3-Phase	04540-003-76-62
12 kW (40 degree F Rise) 208V, 1-Phase	04540-003-76-57
12 kW (40 degree F Rise) 240V, 1-phase	04540-003-76-59
17.3 kW (70 degree F Rise) 208V, 3-Phase	04540-003-76-64
18 kW (70 degree F Rise) 240V, 3-Phase	04540-003-76-66
18 kW (70 degree F Rise) 480V, 3-Phase	04540-003-76-68
18 kW (70 degree F Rise) 208V, 1-Phase	04540-003-76-63
18 kW (70 degree F Rise) 240V, 1-Phase	04540-003-76-64

BOOSTER HEATER OPTION (STEAM)



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Steam Booster Heater, ST-T120	04420-002-43-94
2	2	U-Bolt, 1/2"-13 Thread, Zinc Coated	05306-002-89-27
3	1	Steam Trap, 3/4"	06680-500-02-77
4	3	Nipple, Close 3/4" Black Iron	04730-907-01-00
5	1	Union, 3/4" Black Iron	04730-912-01-00

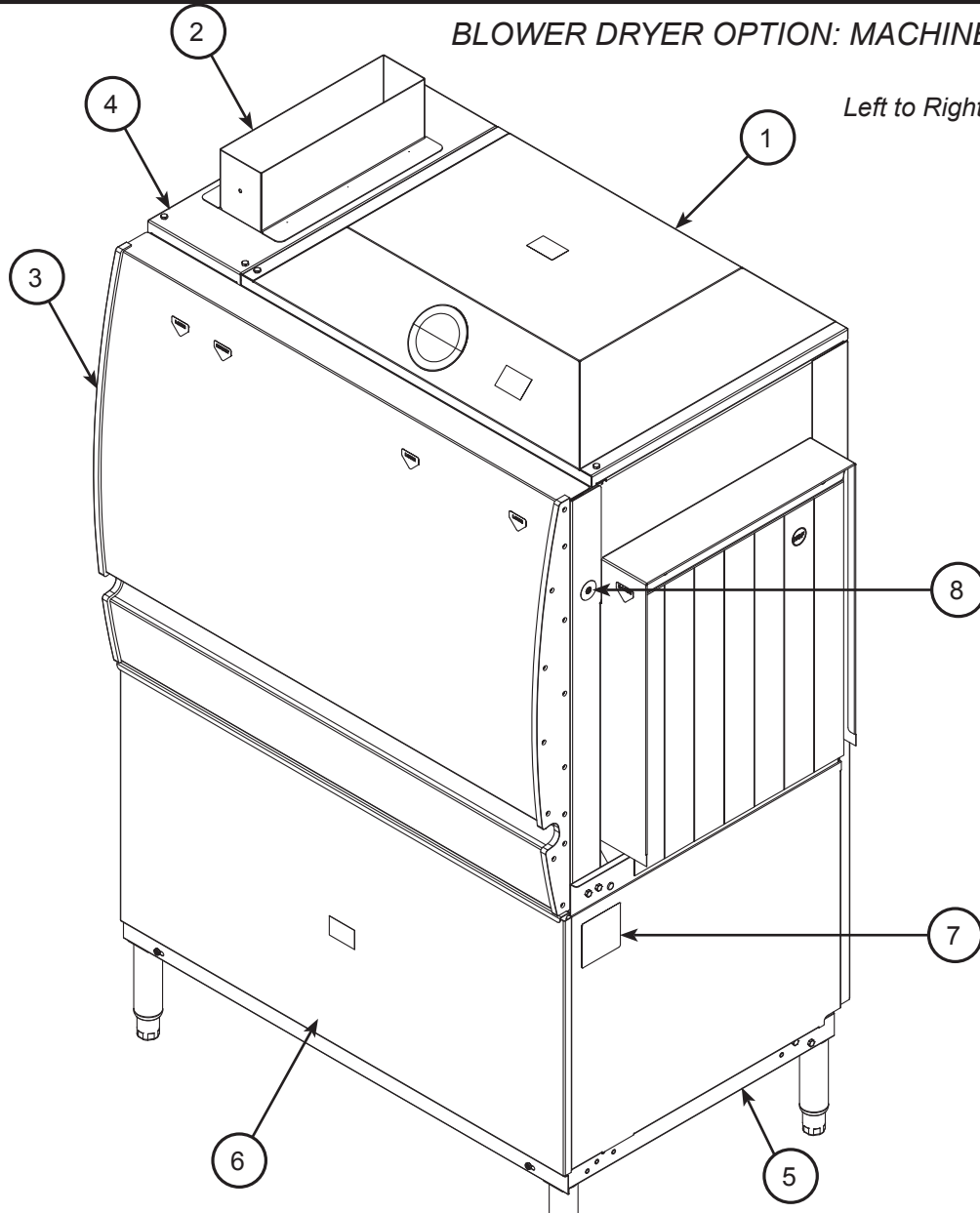
PARTS

BOOSTER HEATER OPTION (STEAM)

ITEM	QTY	DESCRIPTION	PART NUMBER
6	1	Elbow, 90 Deg. 3/4" Black Iron	04730-906-10-34
7	1	Reducer, 1-1/2" x 3/4" Black Iron	04730-002-36-81
8	1	J120 Steam Booster Platform Weldment	05700-002-36-72
9	1	Regulating Valve, 3/4"	04820-100-01-06
10	2	Nipple, 3/4" x 6" Long Brass	05700-001-26-74
11	3	Elbow, 90 Deg. 3/4" Brass	04730-206-13-00
12	2	Nipple, 3/4" x 4" Long Brass	04730-207-05-00
13	2	Union, 3/4" Brass	04730-212-05-00
14	3	Nipple, 3/4" x 2" Long Brass	04730-207-46-00
15	3	Nipple, Close, 3/4" x 1-3/8" Brass	04730-207-34-00
16	2	Bushing, Hex, 1-1/4" x 3/4" Reducer	04730-011-88-80
17	2	Tee, Brass, 3/4" x 3/4" x 3/4"	04730-211-01-34
18	1	Adapter, 3/8" x 3/4" Brass	04730-011-89-19
19	1	Valve, Steam Relief, 3/4"	04820-100-07-06
20	1	Tee, Brass, 3/4" x 3/4" x 1/4"	04730-211-04-00
21	2	Valve, Ball Test Cock 1/4" Bronze	04810-011-72-67
22	2	Pressure Gauge, 1/4", 0-100 PSI	06685-111-88-34
23	1	Control, J120 Assembly (Major Components Listed Below)	05700-002-98-95
23A		Thermostat, Corkscrew	06680-500-01-77
23B		Switch	05930-011-49-55
23C		Light, Red Indicating	05945-111-21-57
23D		Terminal Block, 2-Pole	05940-500-09-61
23F		Ground Lug	05940-200-76-00
24	2	Fitting	05975-011-49-03
25	1	Reducer, 1-1/2" x 1" Black Iron	04730-002-36-79
26	6	Nipple, Close 1" x 2" Black Iron	04730-907-08-34
27	1	Valve, Safety Relief, 1"	04820-100-01-35
28	1	Coupling, 1/4" Black Iron	04730-904-01-34
29	1	Y-Strainer, 1" Steam Black Iron	04730-217-02-32
30	1	Siphon Tube, Pigtail 1/4" Black Iron	04730-907-14-34
31	1	Valve, Steam, Bronze, 1", 120V	04810-002-93-66
32	1	Tee, 1" x 1" x 1/4", Black Iron	04730-911-01-00
33	1	Tee, 1" Black Iron	04730-911-01-34
34	1	Union, 1" Black Iron	04730-912-01-34
35	1	Elbow, 1" Black Iron	04730-906-03-34

BLOWER DRYER OPTION: MACHINE ASSEMBLY

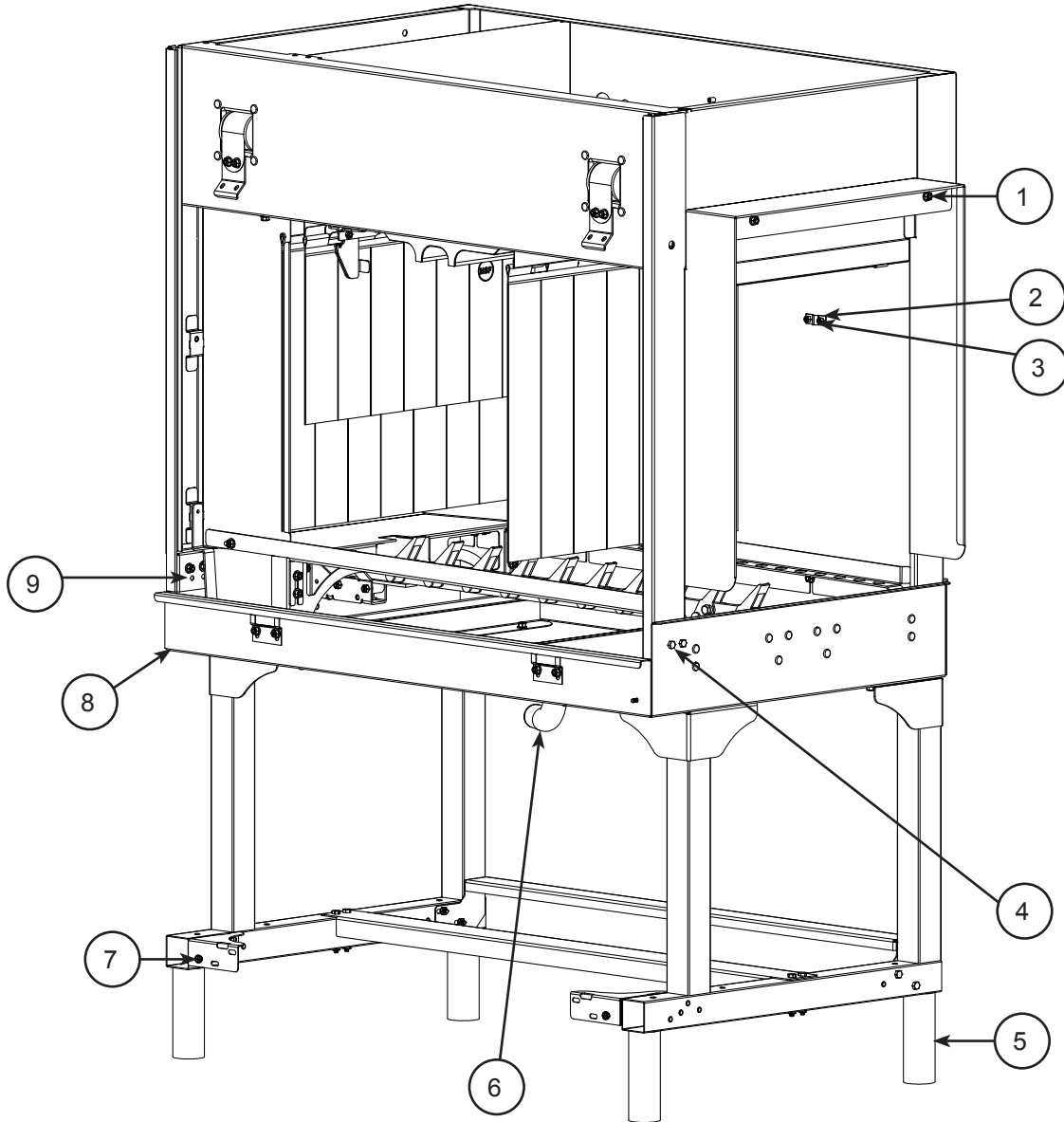
Left to Right Unit Depicted



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Cover, Blower Assembly	05700-004-01-97
2	1	Ventilation Duct Adapter, Weldment	05700-003-75-73
3	1	Door Assembly, Blower	05700-004-00-32
4	1	Panel Weldment, Exhaust Top	05700-004-00-61
5	1	Panel, Blower Tub Side Right	05700-004-03-93
6	1	Panel, Front Dress	05700-004-01-99
7	1	440-480/60/3 Data Plate (opposite side for R to L units) 208-230/60/3 Data Plate (opposite side for R to L units)	09905-004-10-64 09905-004-10-97
8	1	Heater Reset Decal (electrically heated units only)	09905-003-91-72
	1	Panel, Blower Hood, Back (not shown)	05700-004-04-38
	1	Panel, Blower Tub Rack (not shown)	05700-004-03-91

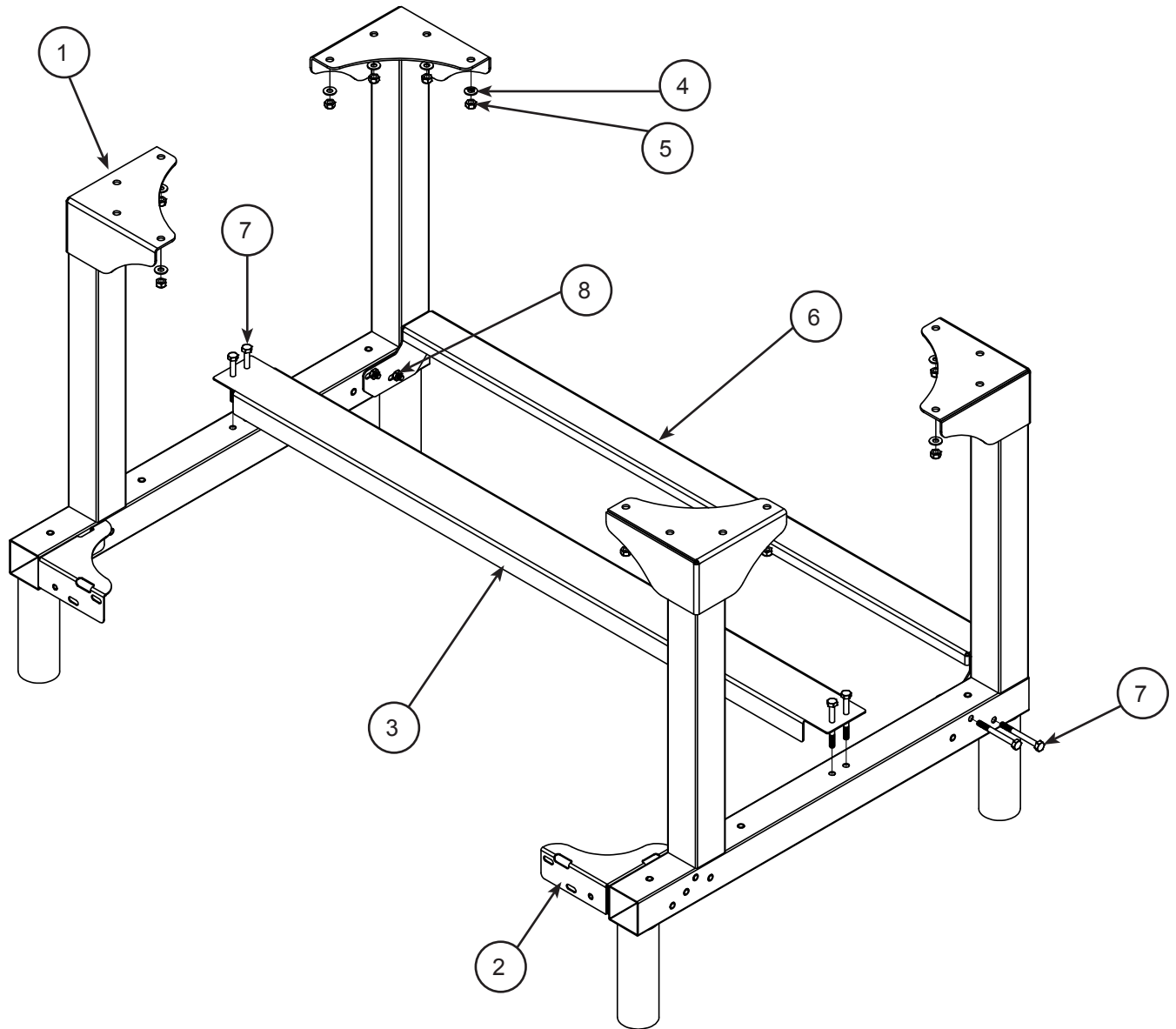
PARTS

BLOWER DRYER OPTION: MACHINE ASSEMBLY (CONTINUED)



ITEM	QTY	DESCRIPTION	PART NUMBER
1	2	Curtain Hook Weldment	05700-003-17-98
2	1	Bracket, RTD	05700-004-10-27
3	2	Locknut, 10-24" S/S Hex w/Nylon Insert	05310-373-01-00
4	2	Screw, 1/4-20" x 5/8" S/S Hex Head	05305-274-27-00
5	1	Frame, Blower Assembly	05700-004-04-23
6	1	Drain Tube, Elbow	05700-004-04-32
7	2	Screw, 1/4-20" x 1/2" Phillips	05305-003-07-58
8	1	Tub Weldment, L to R Tub Weldment, R to L	05700-004-00-43 05700-004-06-85
9	1	Bracket, Support Packaging	05700-004-06-83

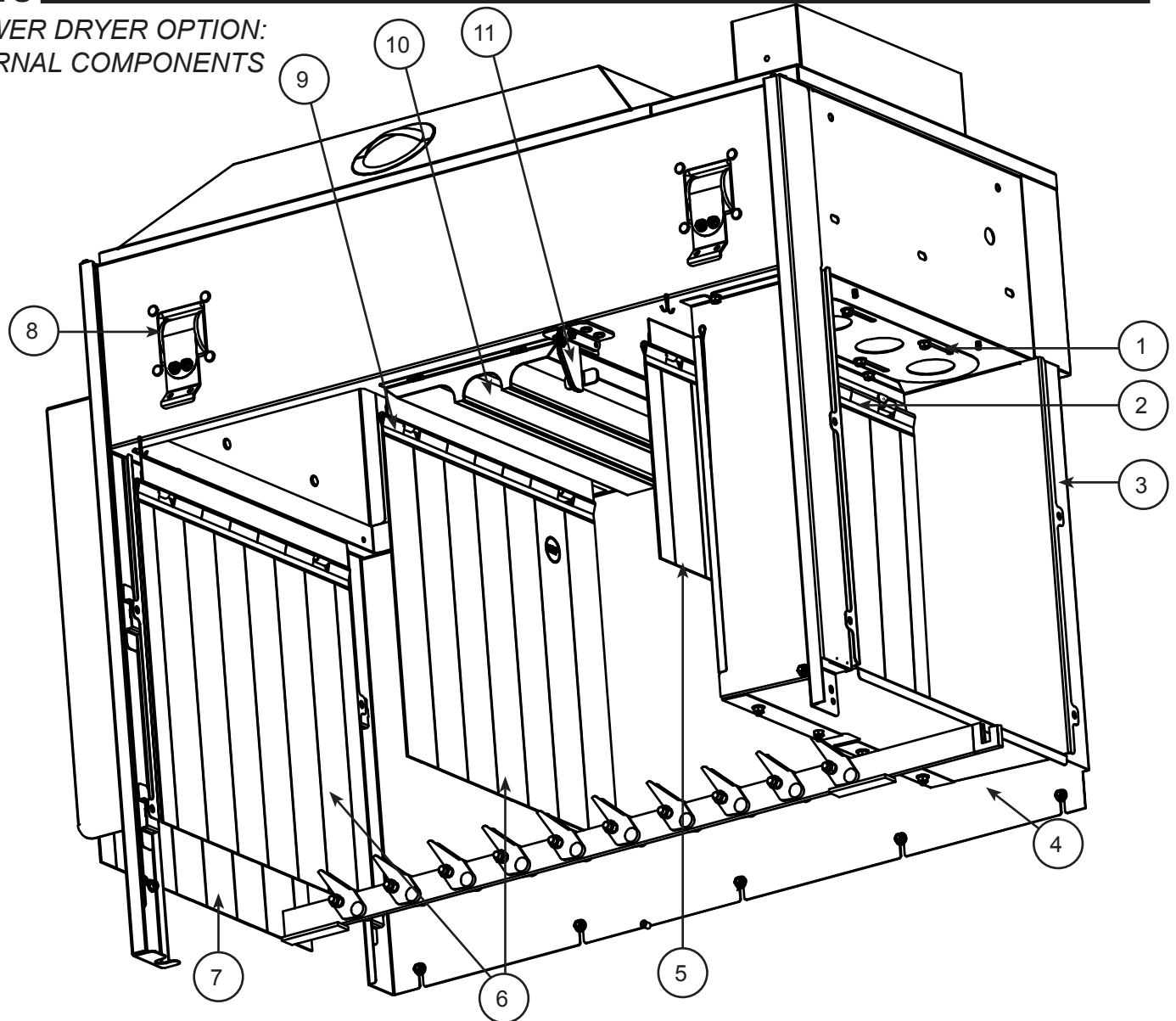
BLOWER DRYER OPTION: FRAME ASSEMBLY



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Frame Weldment, Left Frame Weldment, Right	05700-004-01-86 05700-004-09-36
2	2	Bracket, Weldment Panel Support	05700-004-03-56
3	1	Cross Brace	05700-004-02-24
4	16	Washer, S/S, 1/4-20"	05311-174-01-00
5	20	Locknut, 1/4-20" Hex w/Nylon Insert	05310-374-01-00
6	1	Brace, Frame Back	05700-004-05-64
7	8	Bolt, 1/4-20" x 2-1/2" Hex Head	05306-011-83-52
8	4	Locknut, 1/4-20" Low Profile w/Nylon	05310-374-02-00

PARTS

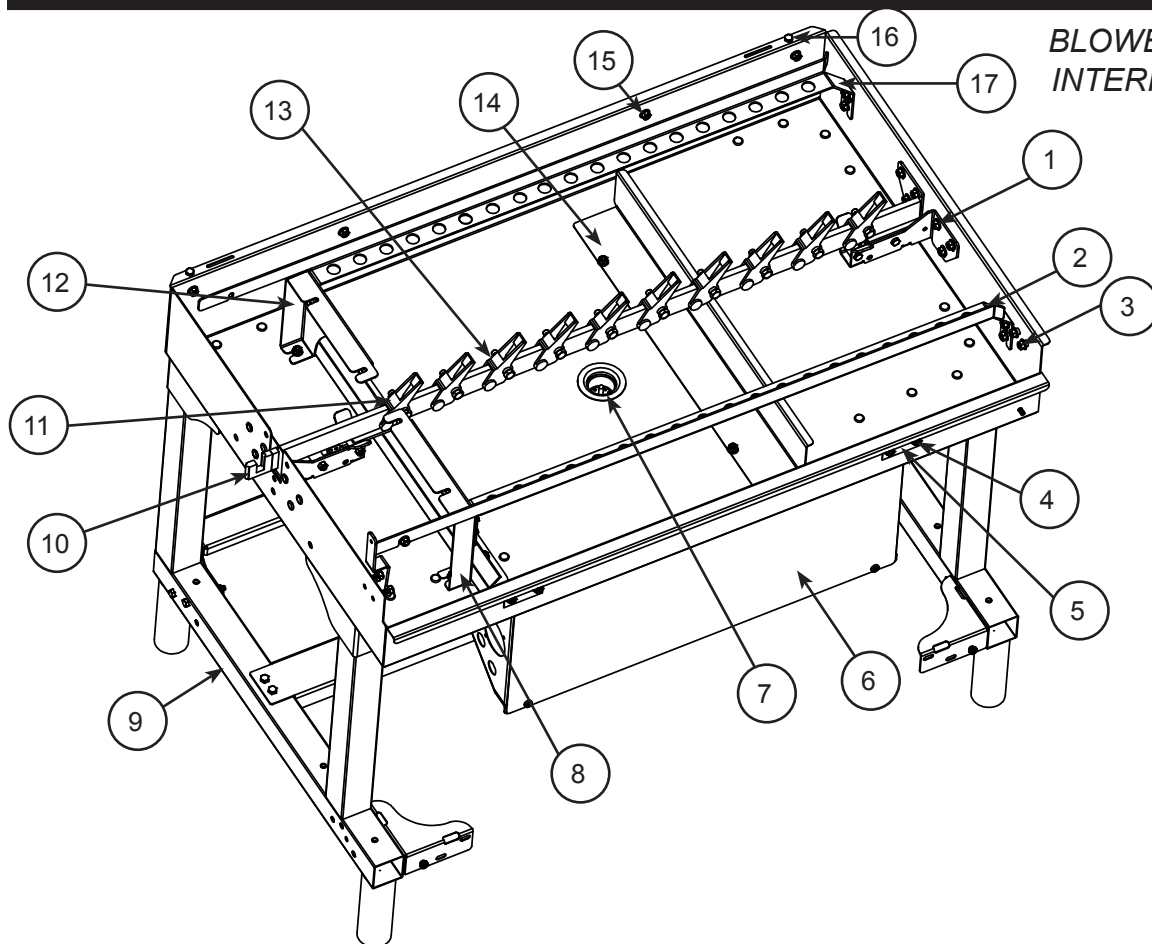
BLOWER DRYER OPTION: INTERNAL COMPONENTS



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Vent Cowl Damper	05700-003-74-76
2	4	Curtain Hanger Weldment	05700-004-02-23
3	1	Transition Cowl Weldment	05700-004-02-16
4	1	Hood Weldment, R to L Hood Weldment, L to R	05700-004-07-03 05700-004-00-47
5	1	Small Curtain, 20.5" W x 12" L	08415-131-73-44
6	3	Long Curtain, 20.5" W x 19" L	08415-002-14-41
7	1	X-Long Curtain, 20.5" W x 24.5" L	08415-002-47-37
8	2	Door Spring Assembly	05700-003-77-49
9	6	Curtain Rod	05700-003-77-52
10	1	Air Knives Weldment	05700-004-00-65
11	1	Door Latch Assembly	05700-003-75-76

PARTS

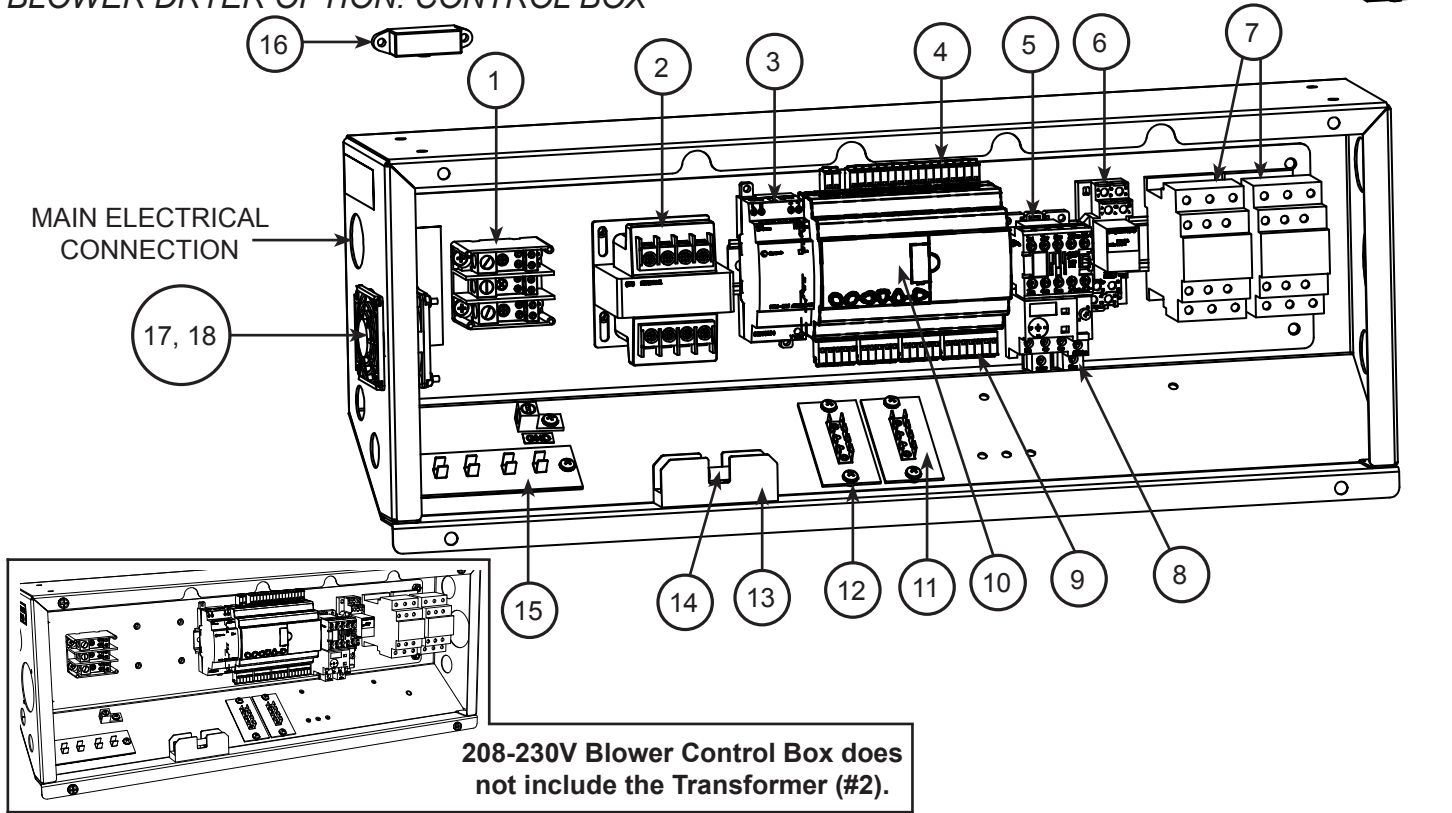
BLOWER DRYER OPTION: INTERNAL COMPONENTS



ITEM	QTY	DESCRIPTION	PART NUMBER
1	2	Pawl Bar Bracket Assembly	05700-003-77-53
2	1	Rack Rail, Right	05700-004-02-26
3	2	Spacer, PB Bolt	05700-000-29-40
4	67	Locknut, 1/4-20" Hex w/Nylon Insert	05310-374-01-00
5	2	Bracket, Limit Switch	05700-021-71-18
6	1	Control Box Assembly	05700-004-09-52
7	1	Drain Tube, Elbow	05700-004-04-32
8	1	Support Bracket, Transition Cowl, Left	05700-004-02-14
9	1	Frame	05700-004-04-23
10	1	Gasket, Drive Gutter	05330-011-68-55
11	1	Splash Shield, End	05700-003-74-32
12	1	Support Bracket., Transition Cowl, Right	05700-004-02-15
13	1	Pawl Bar	05700-004-05-54
14	1	Splash Shield Bracket	05700-002-02-78
15	67	Washer, S/S 1/4-20"	05311-174-01-00
16	2	Bolt, 1/4-20" x 3/8" Hex Head, S/S	05305-274-20-00
17	1	Rack Rail, Left	05700-001-02-25

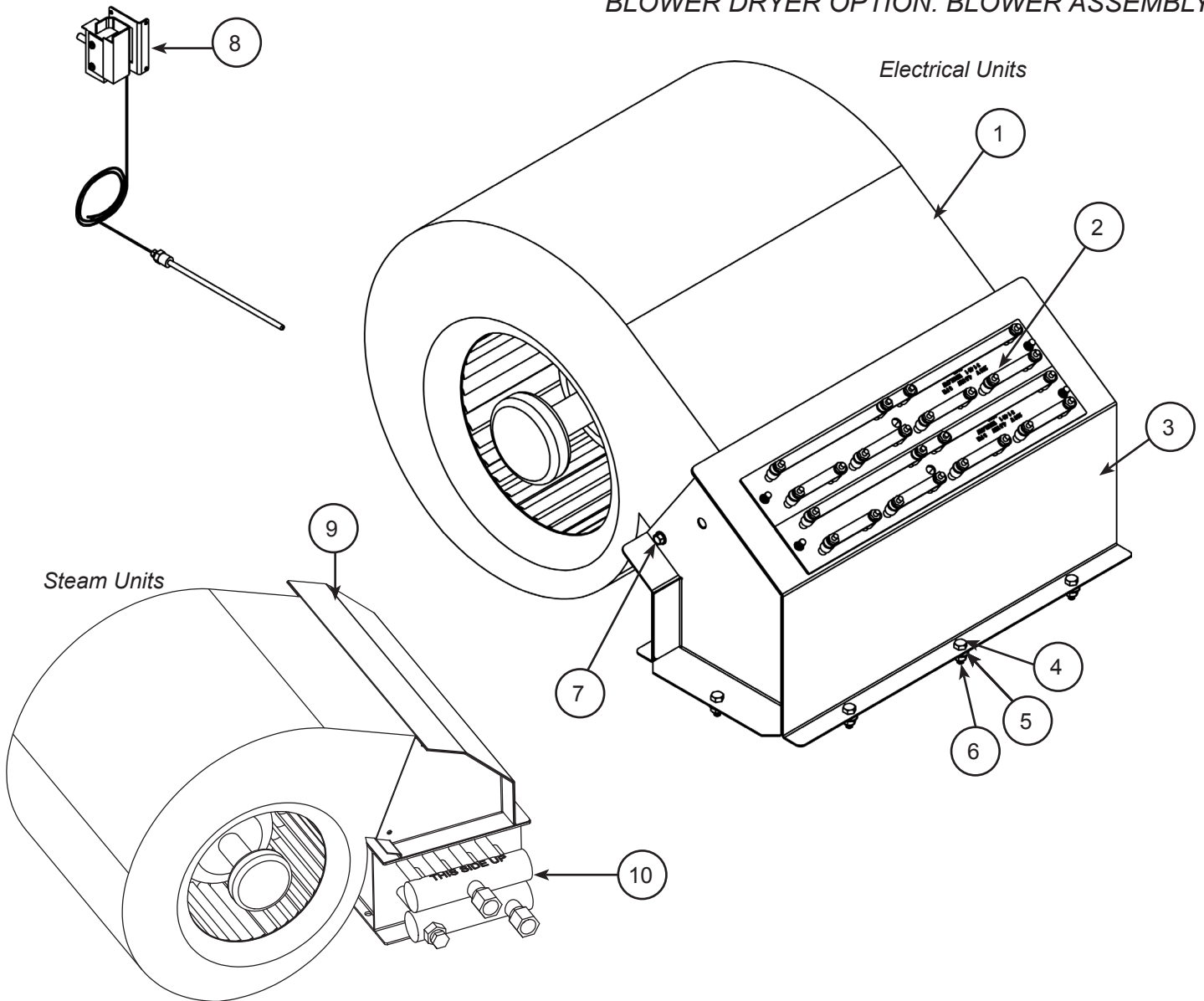
PARTS

BLOWER DRYER OPTION: CONTROL BOX



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Terminal Block, 115A, 600V	05940-004-08-35
2	1	Transformer, 208/230/460 to 120 (0.05 KVA)	05940-004-09-18
3	1	Power Supply, 100-240VAC, 24VDC, 0.6A, 15W	05945-004-08-36
4	1	Terminals	05700-004-05-08
5	1	Contactor, 24VDC, 460V, 5HP	05945-003-75-22
6	1	Relay Socket, 16A, 300V	05945-003-79-58
7	2	Heater Contactor, 600V, 25A, 24VDC Coil (electrically heated units only)	05945-004-10-63
8	1	Overload, Blower Motor, 460V Overload, Blower Motor, 208V	05945-003-75-17 05945-111-68-40
9	1	Relay, DPDT 24VDC	05945-003-79-57
10	1	PLC	05945-004-01-05
11	2	Terminal Board	05940-021-94-85
12	19	Screw, 10-32 x 1/2" Phillips Pan Head w/Washer	05305-002-32-37
13	1	Holder	05920-011-72-89
14	1	Fuse, 1/2" Amp	05920-011-72-88
15	1	Terminal Board	05940-021-70-74
16	2	Switch	05930-003-76-51
17	2	Fan Finger Guard	05999-003-12-92
18	1	Fan, 24VDC	05999-002-47-12

BLOWER DRYER OPTION: BLOWER ASSEMBLY

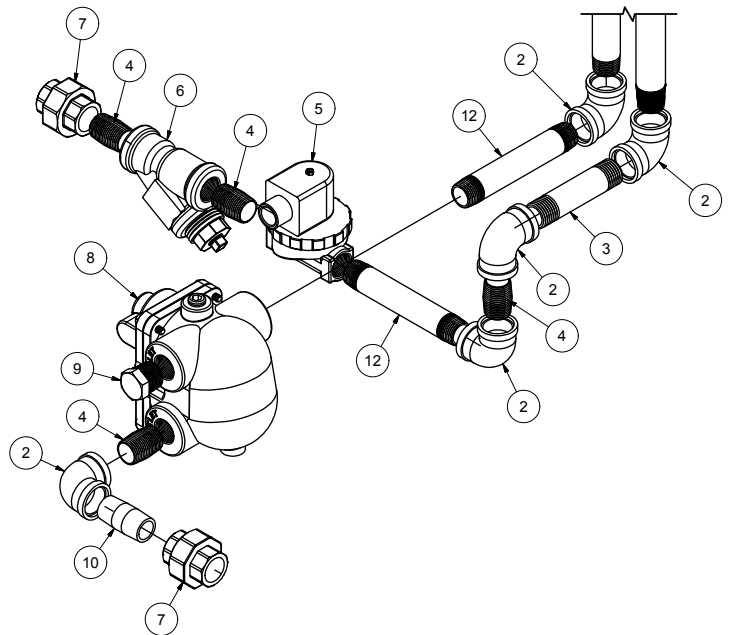
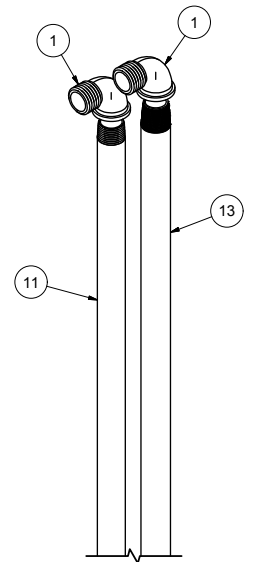


ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Blower, 208-230V, 60Hz Dual Cage Blower, 265-460V, 60Hz Dual Cage	06105-002-72-15 06105-002-88-36
2	2	Heater, 4.5kW, 208V Blower Air	04540-002-74-29
3	1	Blower Heater Box, Weldment	05700-004-00-72
4	8	Bolt, Hex Head 1/4-20 x 3/4"	05305-274-04-00
5	8	Washer, S/S, 1/4-20 I.D.	05311-174-01-00
6	8	Locknut, 1/4-20 Hex w/Nylon Insert	05310-374-01-00
7	4	Screw, Self-Drilling, 1/4-14 x 1	05305-003-93-74
8	1	Thermostat, High Limit, 350 Deg. F	05930-003-92-41
9	1	Heater Box Weldment, Steam Unit	05700-004-01-93
10	1	Heater Steamcoil	04420-002-76-68

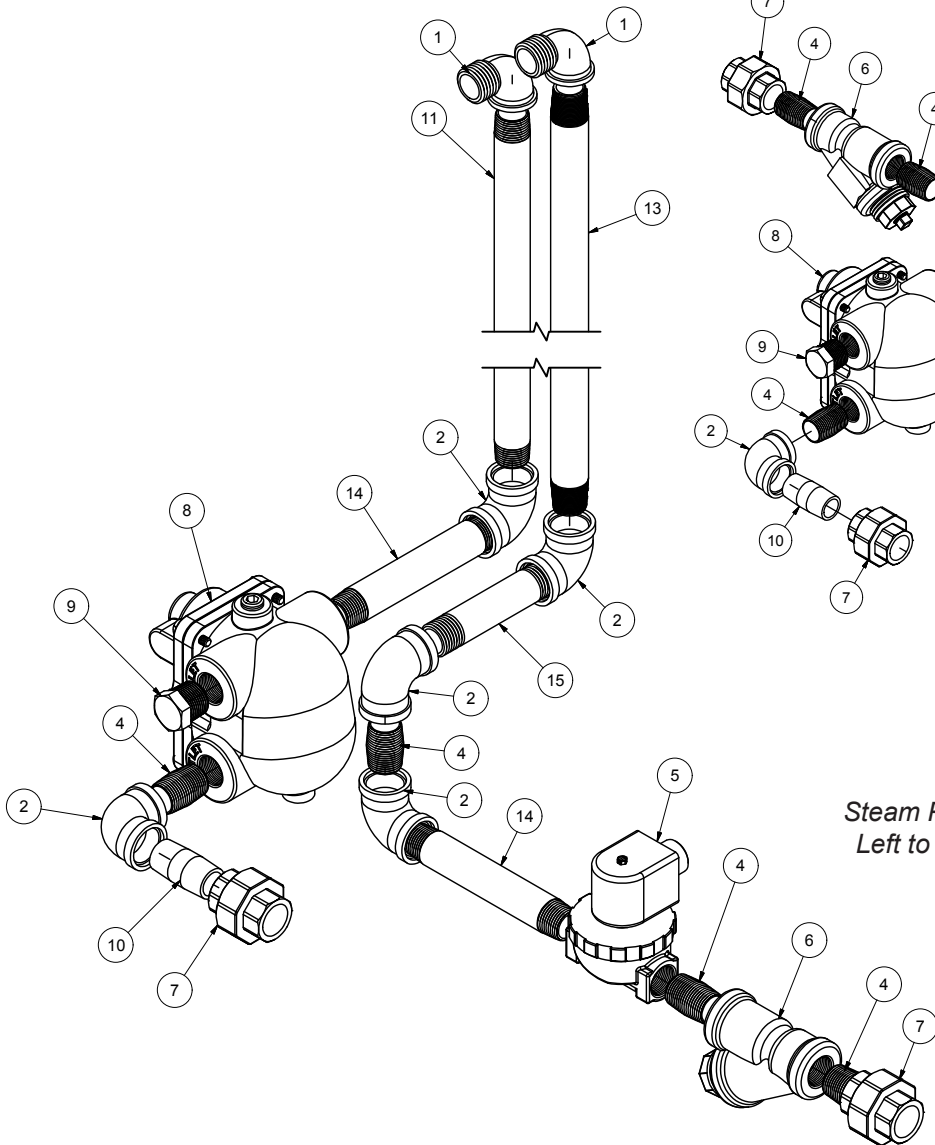
PARTS

BLOWER DRYER OPTION: STEAM PLUMBING

Steam Plumbing in
Right to Left Unit



Steam Plumbing in
Left to Right Unit



BLOWER DRYER OPTION: STEAM PLUMBING

ITEM	QTY	DESCRIPTION	PART NUMBER
1	2	Elbow, 3/4" Street	04730-011-87-37
2	5	Elbow, 3/4" Black Iron	04730-906-10-34
3	1	Nipple, 3/4" x 4" Black Iron	04730-907-02-34
4	4	Nipple, Close, 3/4" Black Iron	04730-907-01-00
5	1	Solenoid Valve, 3/4", 120V	04820-011-87-39
6	1	Y Strainer, 3/4"	04730-217-01-32
7	2	Union, 3/4" Black Iron	04730-912-01-00
8	1	Trap, 3/4"	06680-500-02-77
9	1	Plug, 3/4" Black Iron	04730-004-02-72
10	1	Pipe, 3/4" x 2" Black Iron	04730-907-05-34
11	1	Nipple, 3/4" x 42.5"	04730-004-09-93
12	2	Nipple, 3/4" x 5.50" Black Iron	04730-004-09-94
13	1	Nipple, 3/4" x 45" Black Iron	04730-004-09-95
14	2	Nipple, 3/4" x 6" Black Iron	04730-907-01-34
15	1	Nipple, 3/4" x 4-1/2" Black Iron	04730-004-11-21

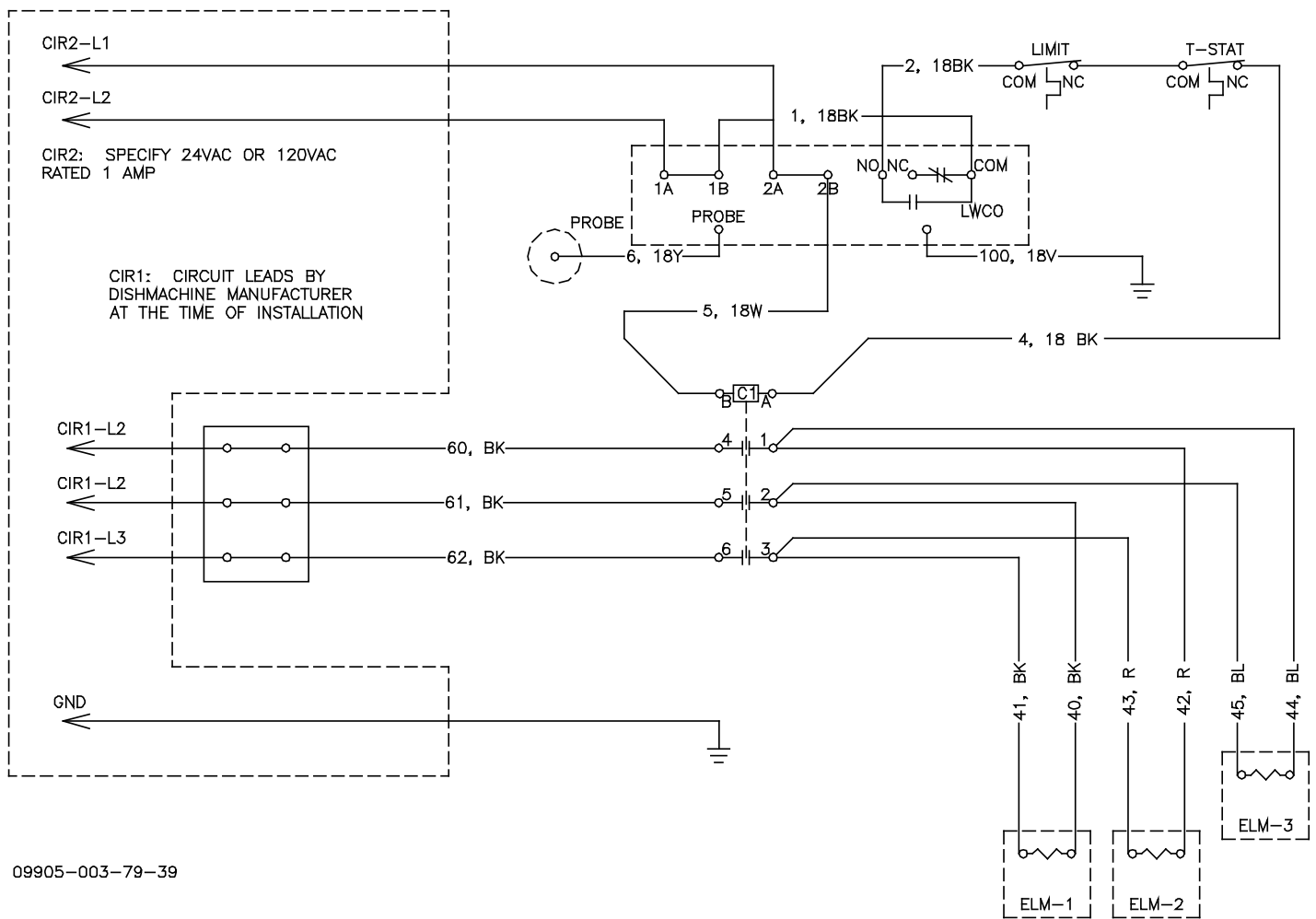
SCHEMATICS

BOOSTER HEATER, 3-PHASE

USE THIS SCHEMATIC FOR THE FOLLOWING BOOSTER HEATER OPTIONS:

- 208V, 60Hz, 3-Phase, 12 kW, 40° Rise
- 230V, 60Hz, 3-Phase, 12 kW, 40° Rise
- 460V, 60Hz, 3-Phase, 12 kW, 40° Rise

- 208V, 60Hz, 3-Phase, 18 kW, 70° Rise
- 230V, 60Hz, 3-Phase, 18 kW, 70° Rise
- 460V, 60Hz, 3-Phase, 18 kW, 70° Rise

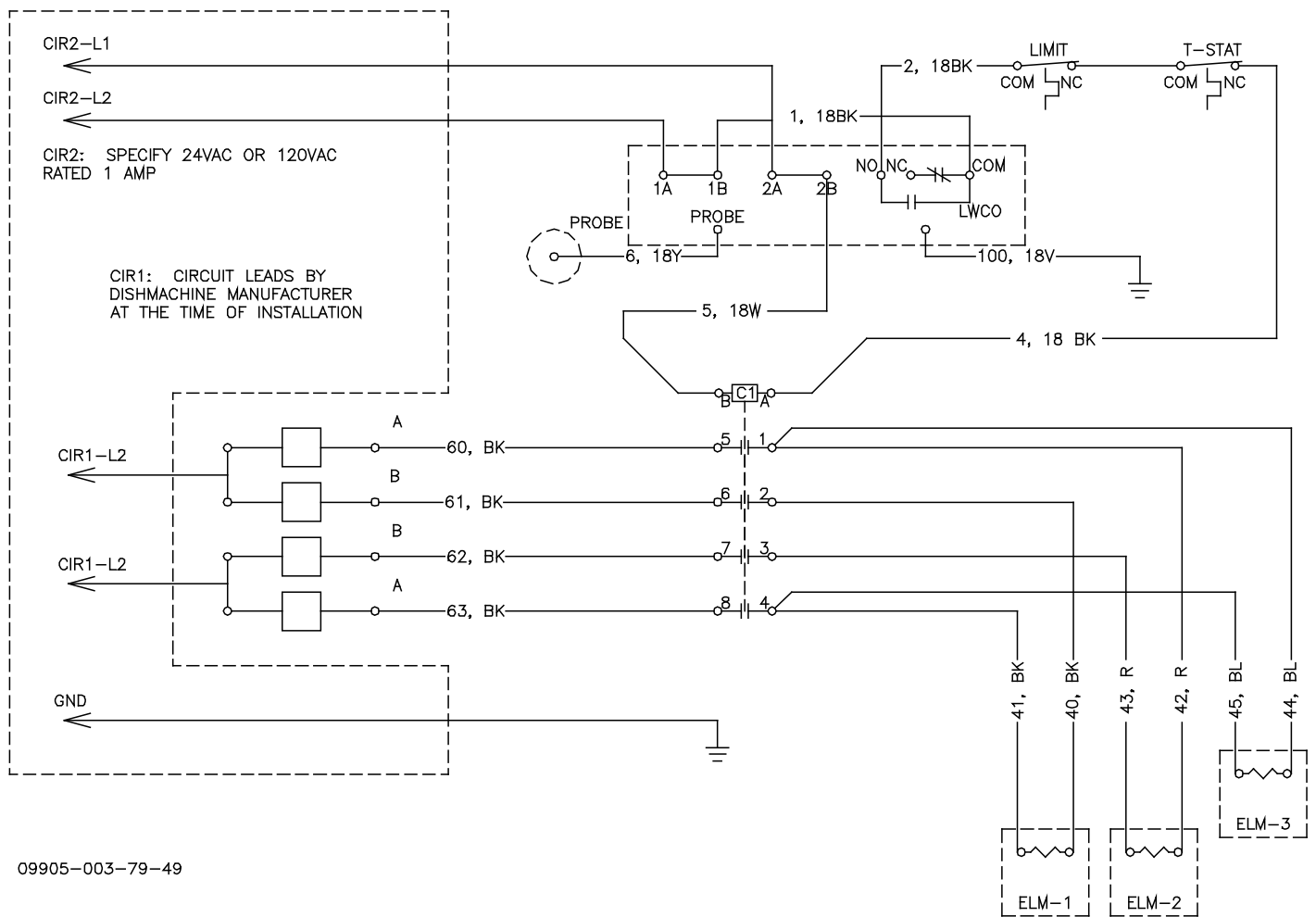


09905-003-79-39

BOOSTER HEATER, 1-PHASE, 12 kW

USE THIS SCHEMATIC FOR THE FOLLOWING BOOSTER HEATER OPTIONS:

- 208V, 60Hz, 1-Phase, 12 kW, 40° Rise
- 230V, 60Hz, 1-Phase, 12 kW, 40° Rise

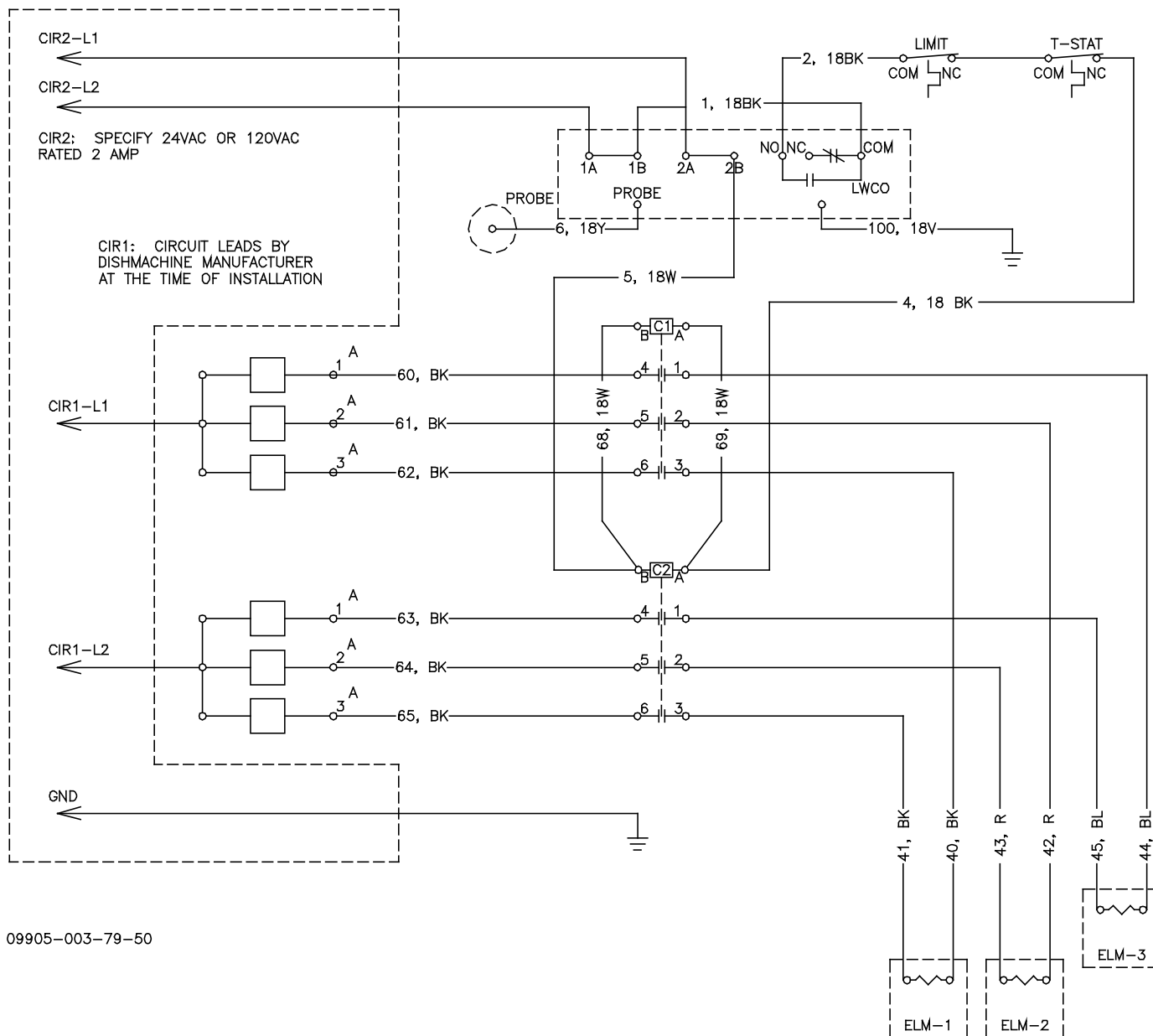


SCHEMATICS

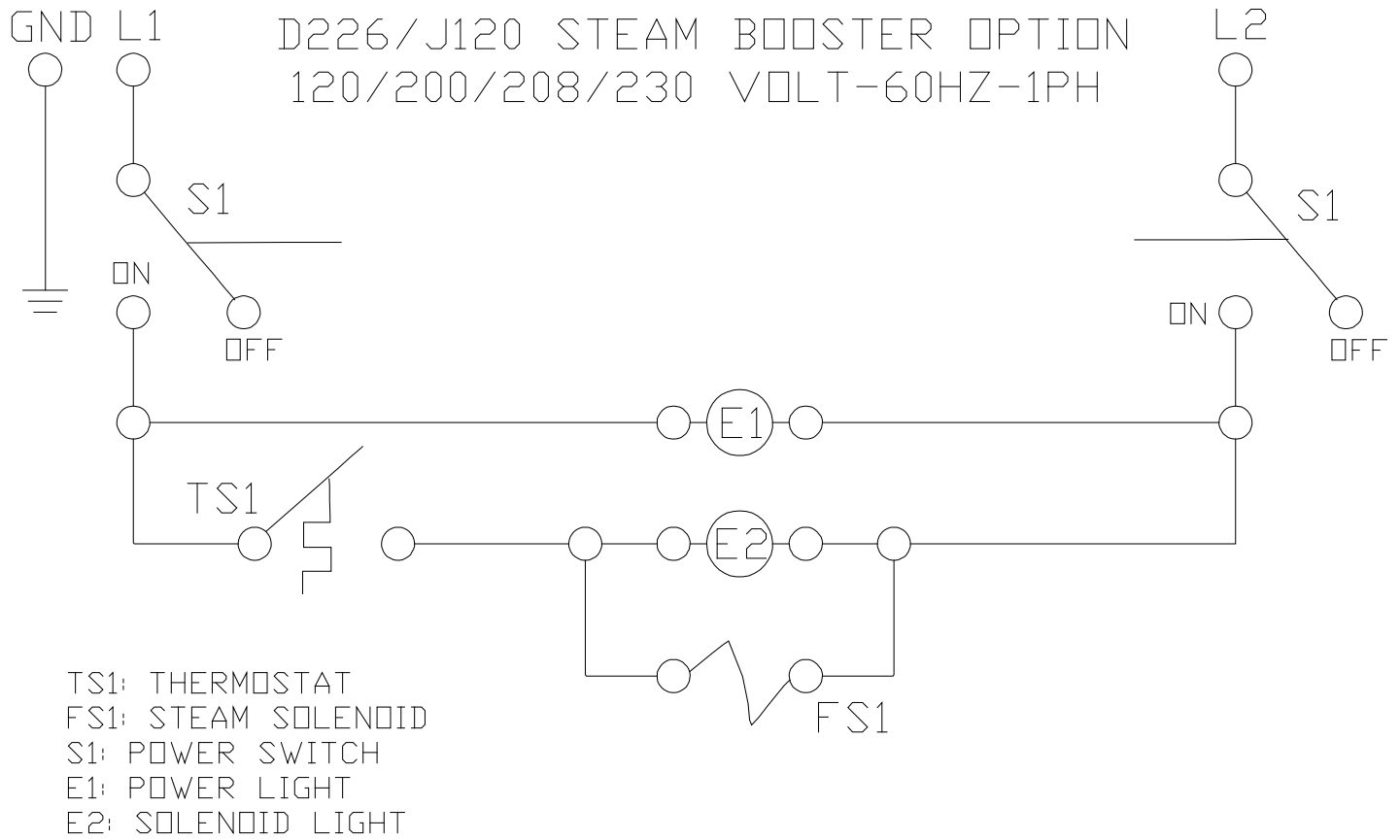
BOOSTER HEATER, 1-PHASE, 18 kW

USE THIS SCHEMATIC FOR THE FOLLOWING BOOSTER HEATER OPTIONS:

- 208V, 60Hz, 1-Phase, 18 kW, 70° Rise
- 230V, 60Hz, 1-Phase, 18 kW, 70° Rise

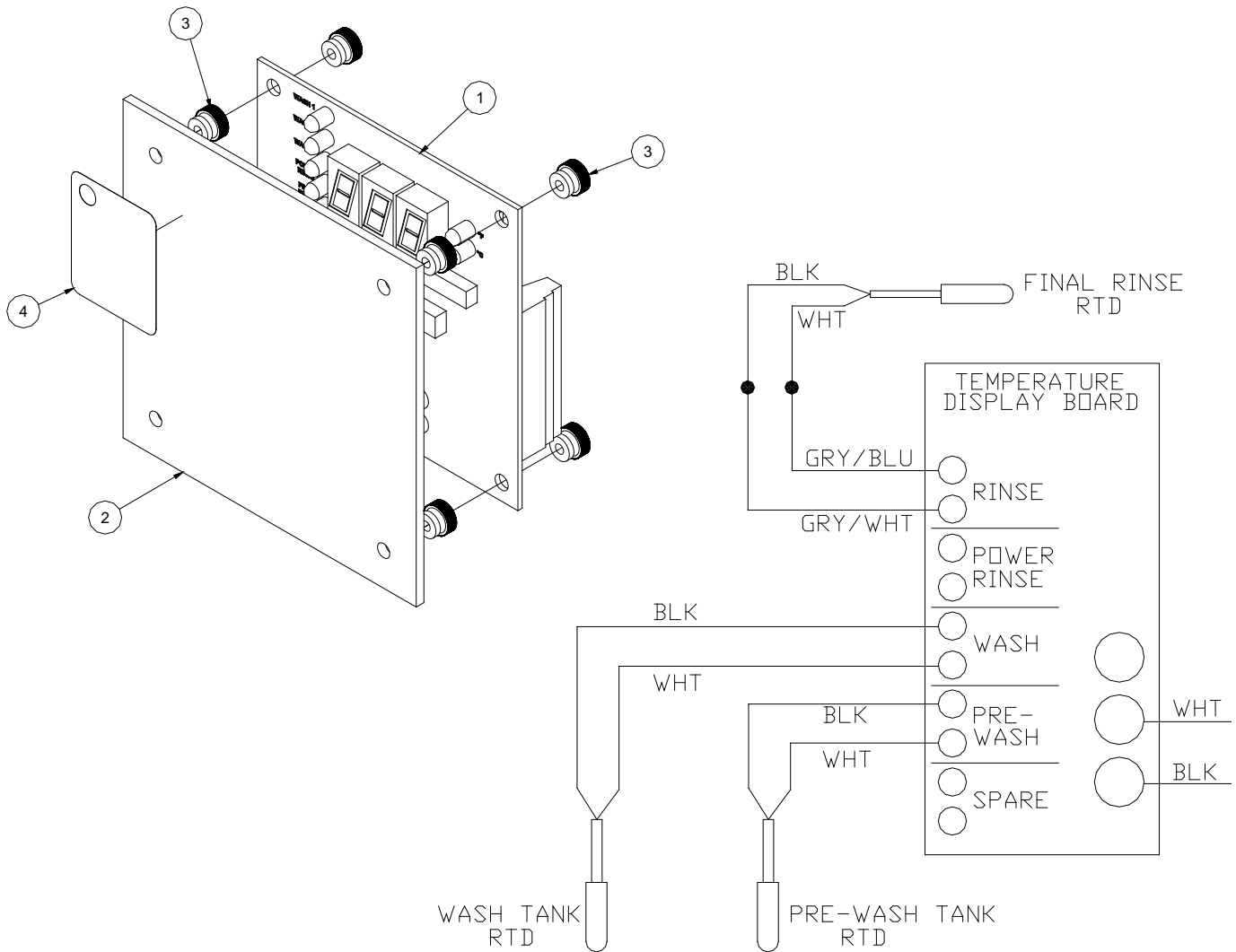


09905-003-79-50



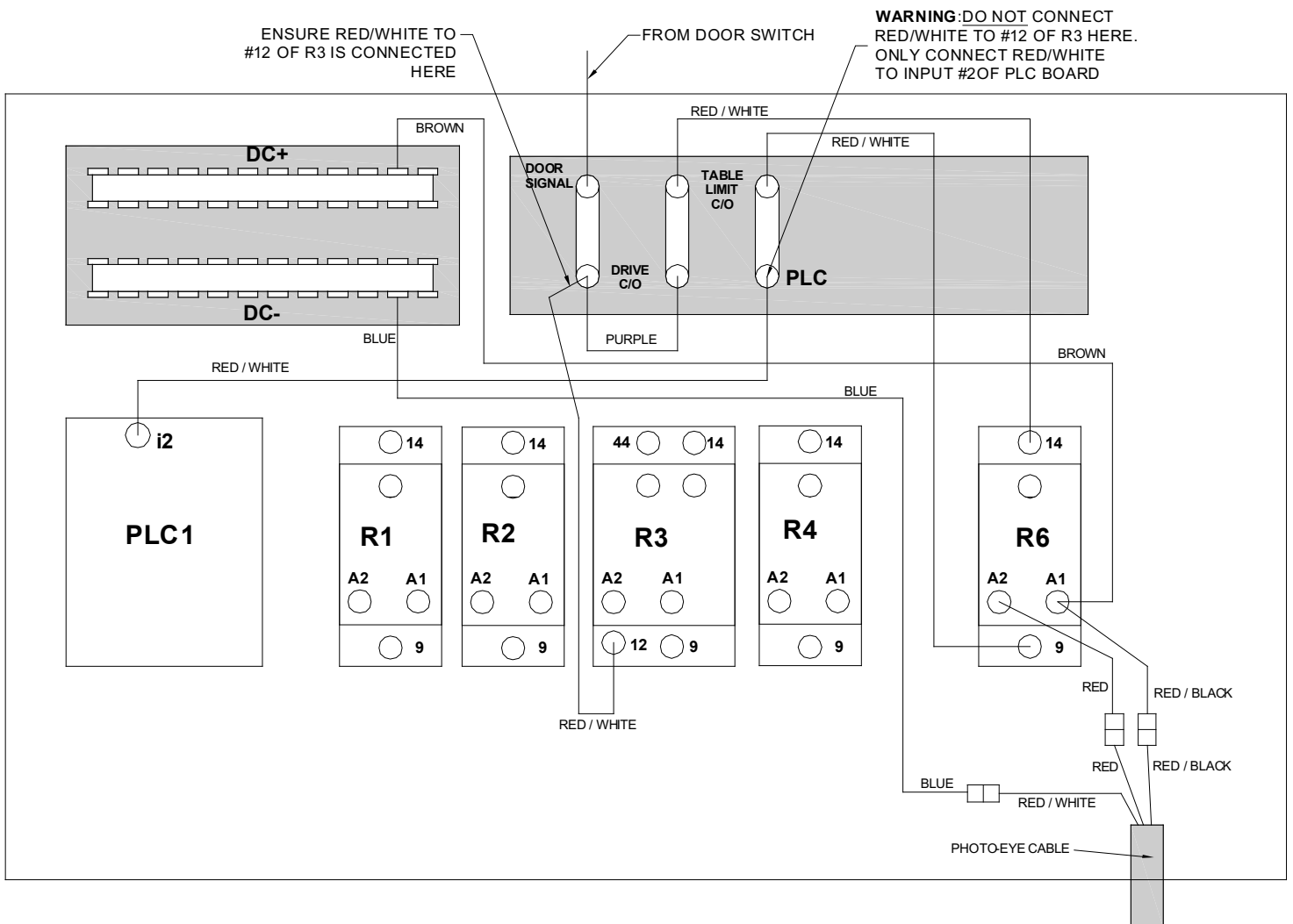
SCHEMATICS

TEMPERATURE BOARD



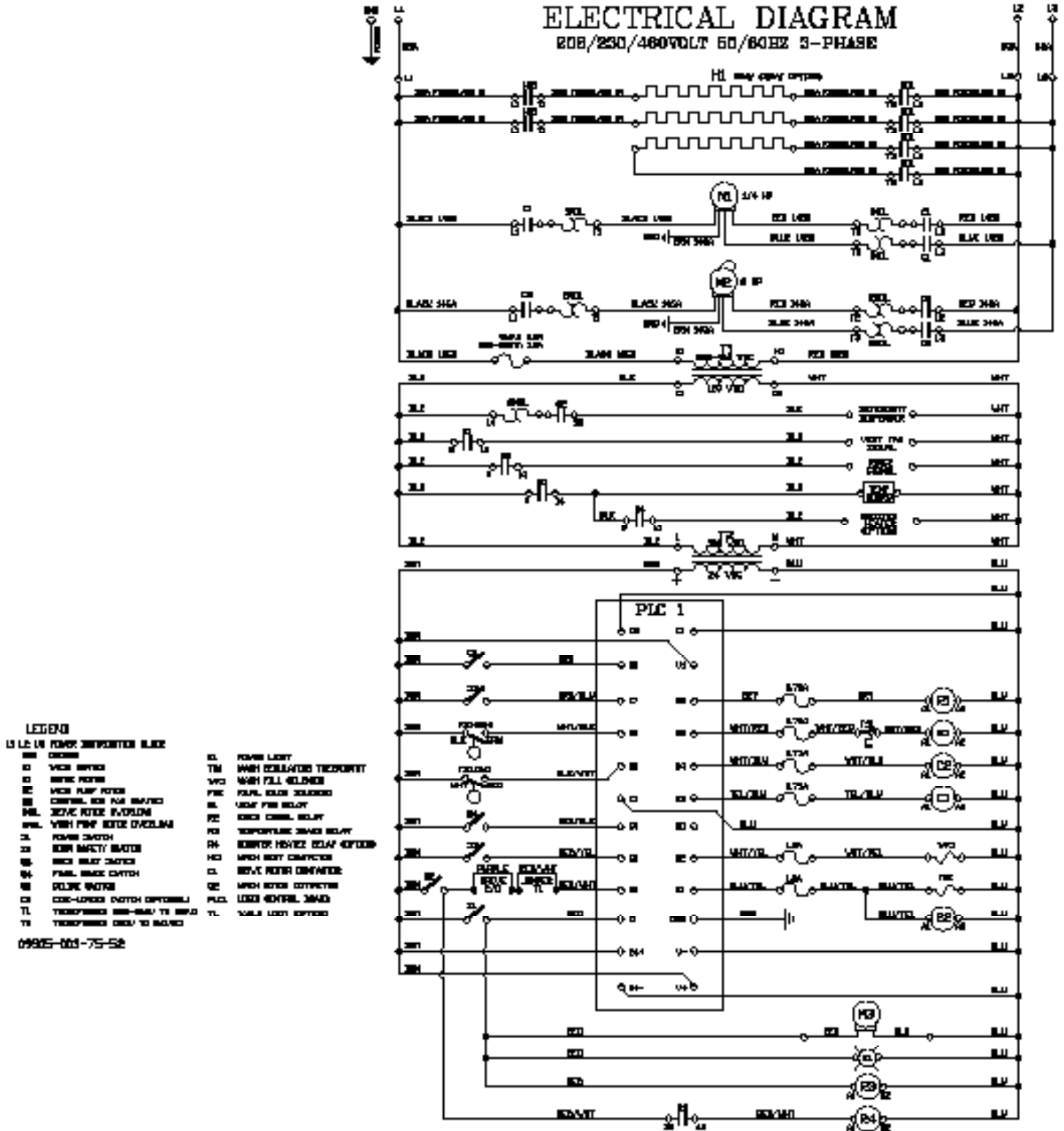
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Cyclic Temperature Board	06685-002-74-86
2	1	Gauge Cover, Red	05700-002-75-62
3	8	Nut, Thumb 6-32 Nylon	05310-002-83-12
4	1	Decal, Temperature Display	09905-003-79-03
5	2 (44") 3 (66")	RTD Temperature Probe (not shown)	06680-002-16-80

PHOTOCELL TABLE LIMIT SWITCH OPTION



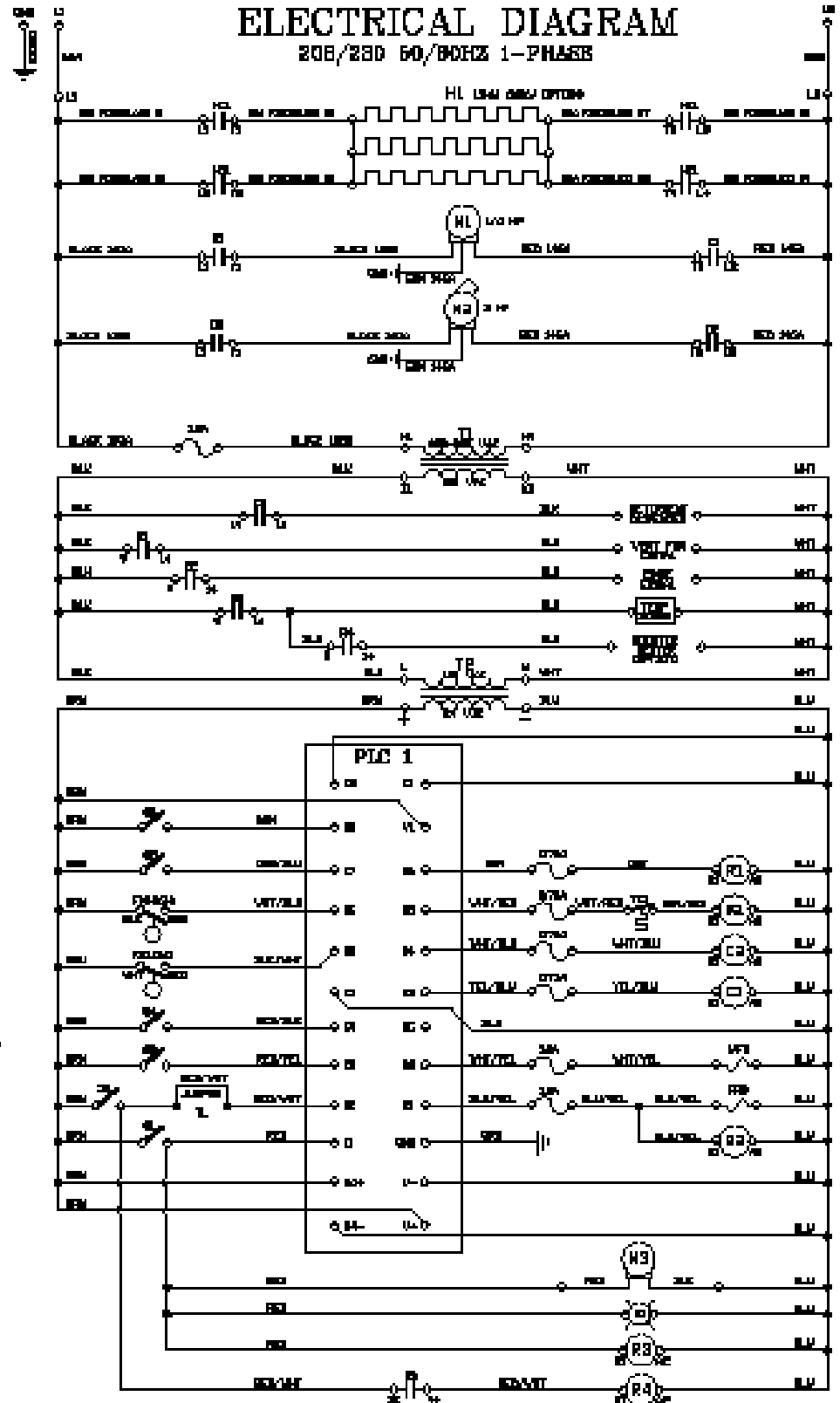
SCHEMATICS

44" ELECTRICALLY HEATED (208/230/460 VOLT, 60 HZ, 3-PHASE)



44" ELECTRICALLY HEATED (208/230 VOLT, 60 HZ, 1-PHASE)

ELECTRICAL DIAGRAM
208/230 60/60HZ 1-PHASE



LEGEND

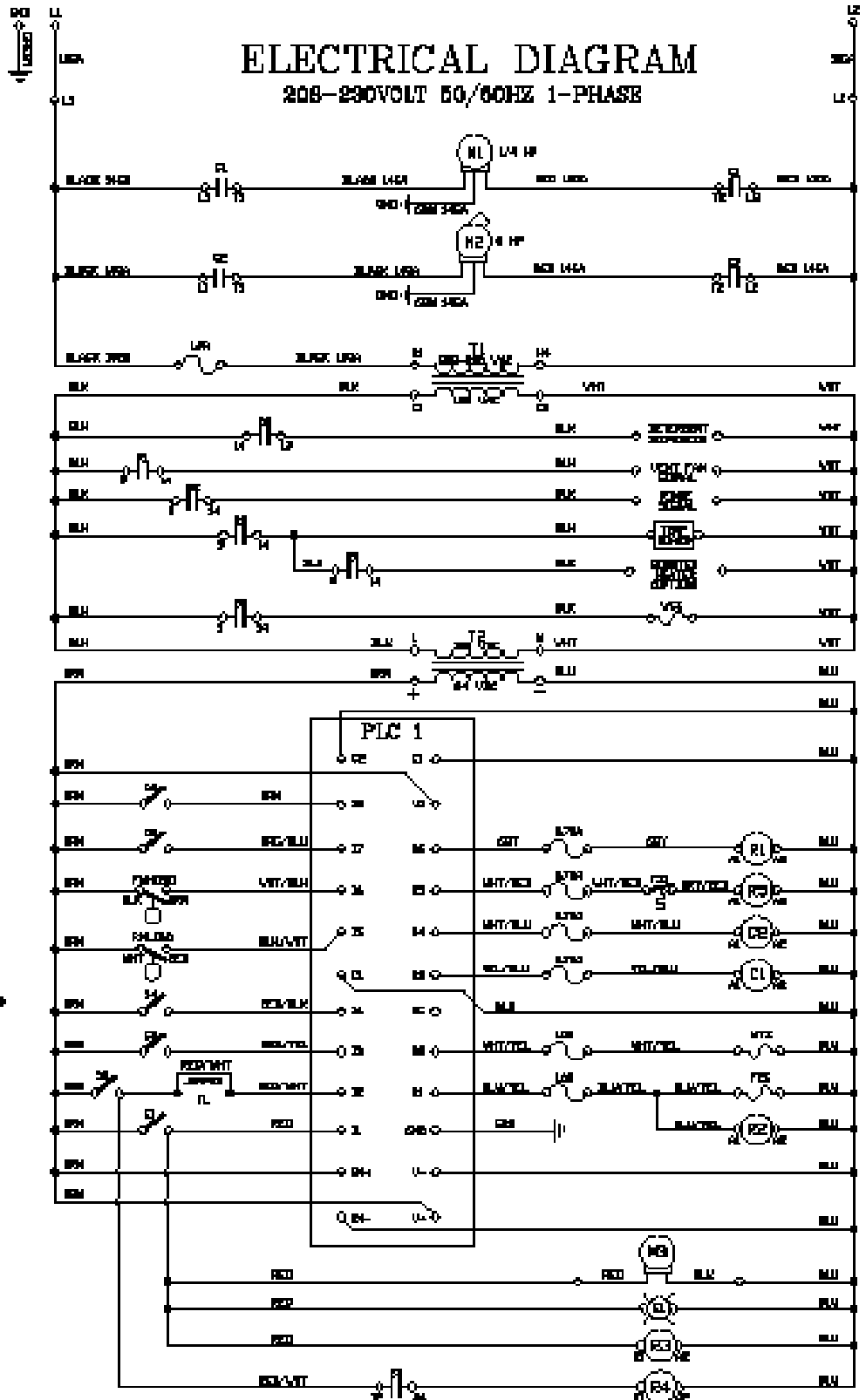
- | | |
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| <ul style="list-style-type: none"> 1-1 LINE FUSED DISCONNECTER BLACK SW1 SWITCH EM1 THERM MOTOR EM2 SOLAR MOTOR EM3 HIGH PUMP MOTOR EM4 CONTROL SOL FOR HEAVY DUTY EM5 PUMP MOTOR EM6 300V BRACIT MOTOR EM7 300V DRY CONTACT EM8 TYPICAL SOLENOID SWITCH EM9 300V SWITCH EM10 300V LINEAR SWITCH OPTIONALLY EM11 TRANSFORMER ONLY TO 24VDC EM12 FUSED LIGHT EM13 HIGH ISOLATION FUSE/INTERRUPTOR EM14 HIGH FUSE/INTERRUPTOR EM15 TYPICAL SOLENOID EM16 300V FUSE/INTERRUPTOR EM17 300V MOTOR CONTACTOR EM18 300V MOTOR CONTACTOR EM19 300V MOTOR CONTACTOR EM20 300V MOTOR CONTACTOR EM21 300V MOTOR CONTACTOR EM22 300V MOTOR CONTACTOR EM23 300V MOTOR CONTACTOR EM24 300V MOTOR CONTACTOR EM25 300V MOTOR CONTACTOR EM26 300V MOTOR CONTACTOR EM27 300V MOTOR CONTACTOR EM28 300V MOTOR CONTACTOR EM29 300V MOTOR CONTACTOR EM30 300V MOTOR CONTACTOR EM31 300V MOTOR CONTACTOR EM32 300V MOTOR CONTACTOR EM33 300V MOTOR CONTACTOR EM34 300V MOTOR CONTACTOR EM35 300V MOTOR CONTACTOR EM36 300V MOTOR CONTACTOR EM37 300V MOTOR CONTACTOR EM38 300V MOTOR CONTACTOR EM39 300V MOTOR CONTACTOR EM40 300V MOTOR CONTACTOR EM41 300V MOTOR CONTACTOR EM42 300V MOTOR CONTACTOR EM43 300V MOTOR CONTACTOR EM44 300V MOTOR CONTACTOR EM45 300V MOTOR CONTACTOR EM46 300V MOTOR CONTACTOR EM47 300V MOTOR CONTACTOR EM48 300V MOTOR CONTACTOR EM49 300V MOTOR CONTACTOR EM50 300V MOTOR CONTACTOR EM51 300V MOTOR CONTACTOR EM52 300V MOTOR CONTACTOR EM53 300V MOTOR CONTACTOR EM54 300V MOTOR CONTACTOR EM55 300V MOTOR CONTACTOR EM56 300V MOTOR CONTACTOR EM57 300V MOTOR CONTACTOR EM58 300V MOTOR CONTACTOR EM59 300V MOTOR CONTACTOR EM60 300V MOTOR CONTACTOR EM61 300V MOTOR CONTACTOR EM62 300V MOTOR CONTACTOR EM63 300V MOTOR CONTACTOR EM64 300V MOTOR CONTACTOR EM65 300V MOTOR CONTACTOR EM66 300V MOTOR CONTACTOR EM67 300V MOTOR CONTACTOR EM68 300V MOTOR CONTACTOR EM69 300V MOTOR CONTACTOR EM70 300V MOTOR CONTACTOR EM71 300V MOTOR CONTACTOR EM72 300V MOTOR CONTACTOR EM73 300V MOTOR CONTACTOR EM74 300V MOTOR CONTACTOR EM75 300V MOTOR CONTACTOR EM76 300V MOTOR CONTACTOR EM77 300V MOTOR CONTACTOR EM78 300V MOTOR CONTACTOR EM79 300V MOTOR CONTACTOR EM80 300V MOTOR CONTACTOR EM81 300V MOTOR CONTACTOR EM82 300V MOTOR CONTACTOR EM83 300V MOTOR CONTACTOR EM84 300V MOTOR CONTACTOR EM85 300V MOTOR CONTACTOR EM86 300V MOTOR CONTACTOR EM87 300V MOTOR CONTACTOR EM88 300V MOTOR CONTACTOR EM89 300V MOTOR CONTACTOR EM90 300V MOTOR CONTACTOR EM91 300V MOTOR CONTACTOR EM92 300V MOTOR CONTACTOR EM93 300V MOTOR CONTACTOR EM94 300V MOTOR CONTACTOR EM95 300V MOTOR CONTACTOR EM96 300V MOTOR CONTACTOR EM97 300V MOTOR CONTACTOR EM98 300V MOTOR CONTACTOR EM99 300V MOTOR CONTACTOR EM100 300V MOTOR CONTACTOR | <ul style="list-style-type: none"> PLC1 MICRO CONTROL SYSTEM HL HIGH LIMIT OPTION ML MOLE LIMIT OPTION |
|---|---|

07610-003-78-23

44" STEAM HEATED (208/230 VOLT, 60 HZ, 1-PHASE)

ELECTRICAL DIAGRAM

208-230VOLT 60/60HZ 1-PHASE



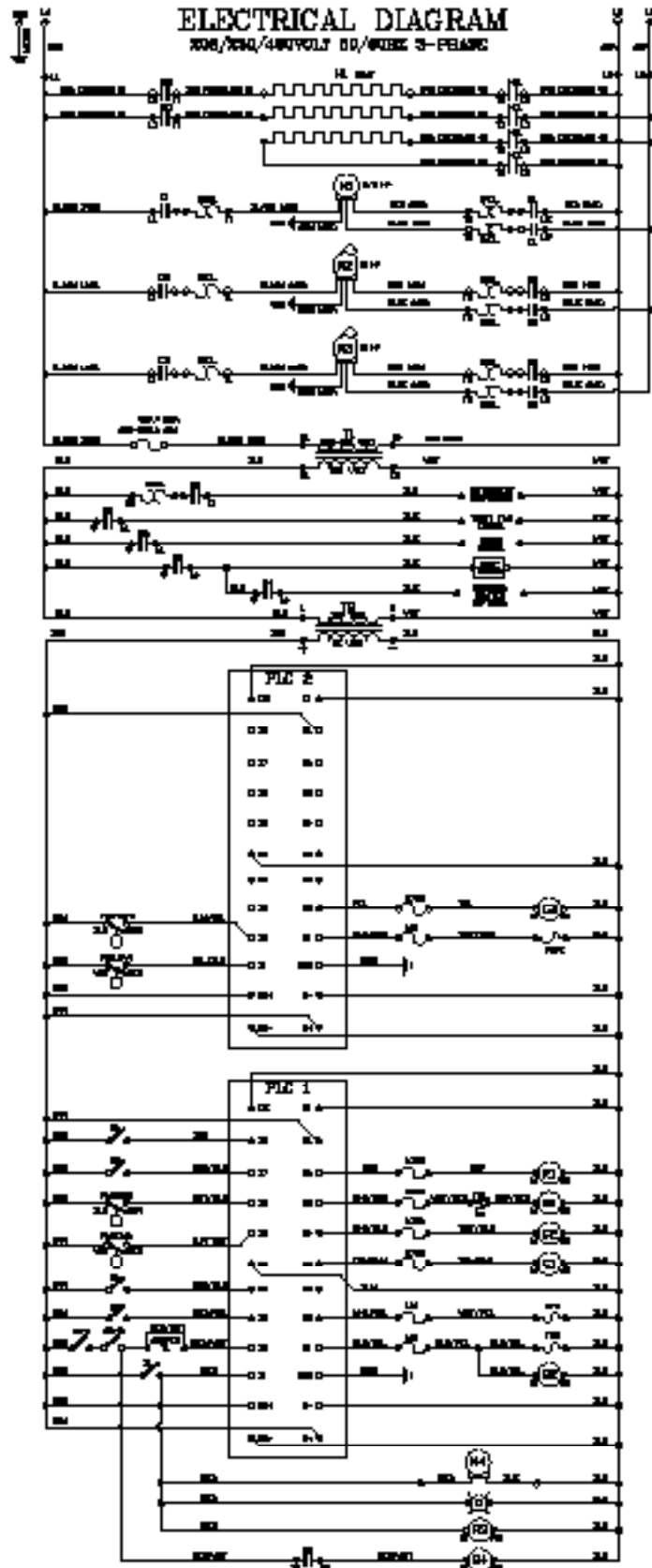
LEGEND

- | | |
|---------------------------------|-------------------------------|
| L1, L2 PHASE DISTRIBUTION BLOCK | TR HIGH RESISTANCE THERMISTOR |
| RE0 RELEASER | TR0 HIGH TEMP OVER PROTECT |
| R1 RELAY | WPS WASH PULL SOLENOID |
| S1 STOP PUMP SWITCH | WPC WASH PULL SOLENOID |
| CS CONTROL BOX FOR CHARGER | WPC WASH PULL SOLENOID |
| PS PUMP SWITCH | WPC WASH PULL SOLENOID |
| CS2 CHARGE SWITCH | WPC WASH PULL SOLENOID |
| CS3 CHARGE SWITCH | WPC WASH PULL SOLENOID |
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| CS93 CHARGE SWITCH | WPC WASH PULL SOLENOID |
| CS94 CHARGE SWITCH | WPC WASH PULL SOLENOID |
| CS95 CHARGE SWITCH | WPC WASH PULL SOLENOID |
| CS96 CHARGE SWITCH | WPC WASH PULL SOLENOID |
| CS97 CHARGE SWITCH | WPC WASH PULL SOLENOID |
| CS98 CHARGE SWITCH | WPC WASH PULL SOLENOID |
| CS99 CHARGE SWITCH | WPC WASH PULL SOLENOID |
| CS100 CHARGE SWITCH | WPC WASH PULL SOLENOID |

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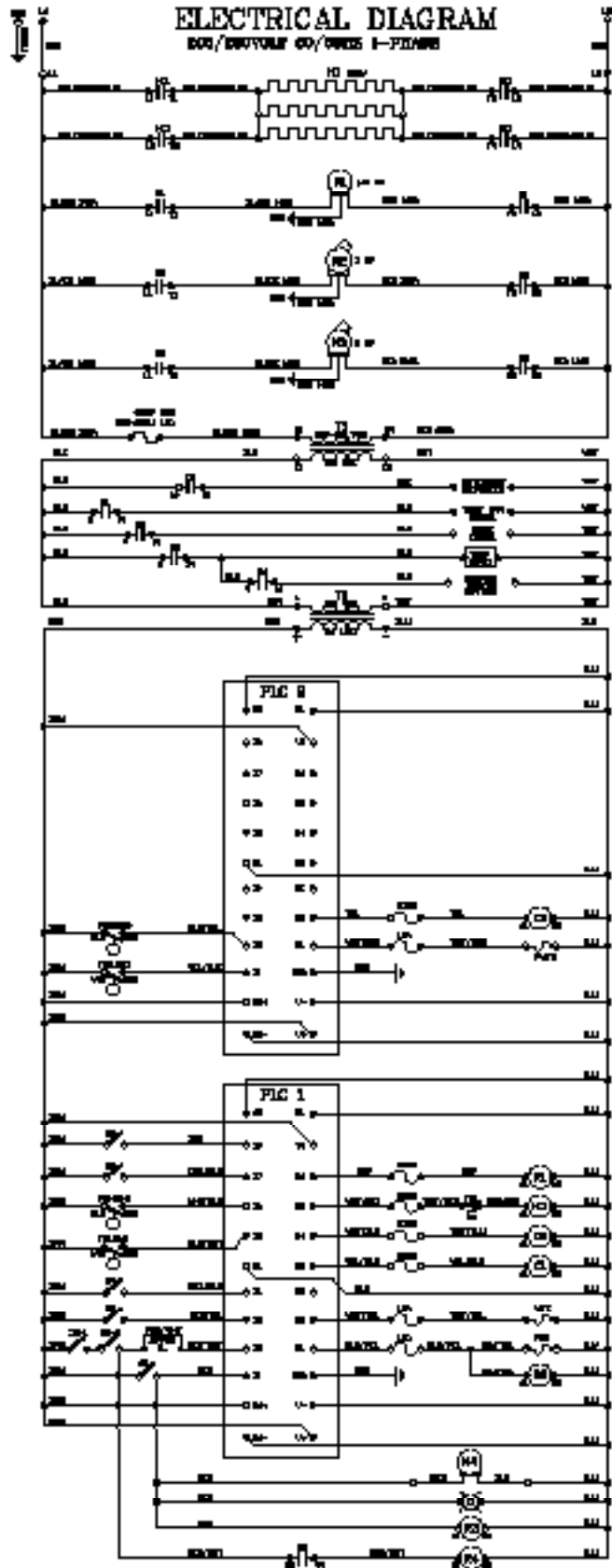
SCHEMATICS

66" ELECTRICALLY HEATED (208/230/460 VOLT, 60 HZ, 3-PHASE)



- LEGEND**
- | | |
|-------------------------------------|---|
| U1, U2, U3 POWER DISTRIBUTION BLOCK | F1 WASH TANK FLOW |
| WPH WASH PUMP | F2 PRE-WASH TANK FLOW |
| H1 WASH HEATER | F3 POWER LIGHT |
| H2 PRE-WASH HEATER | F4 WASH REGULATING (COMBINATION) |
| H3 WASH PUMP HEATER | F5 PRE-WASH FILL SOLENOID |
| H4 PRE-WASH PUMP MOTOR | F6 WASH FILL COILS |
| H5 CONTROL AIR FAN (HARD) | F7 FINE FINE BALANCE |
| H6 DRIVE MOTOR OVERLOAD | F8 TANK FILL RELAY |
| H7 TANK PUMP MOTOR OVERLOAD | F9 WASH CHURN RELAY |
| H8 PRE-WASH PUMP MOTOR OVERLOAD | F10 TEMPERATURE SENS RELAY |
| H9 POWER SWITCH | F11 WASH MOTOR RELAY SYSTEM |
| H10 WASH MOTOR MOTOR (HARD) | F12 WASH HEAT CONTACT |
| H11 WASH MOTOR MOTOR (PRE-WASH) | F13 DRIVE MOTOR CONTACT |
| H12 POWER LIGHT SWITCH | F14 WASH MOTOR CONTACT |
| H13 FINE FINE SWITCH | F15 PRE-WASH MOTOR CONTACT |
| H14 COIL SWITCH | F16 LOAD CONTACT, WASH (COMBINATION UNIT) |
| H15 COIL SWITCH CONTACT (OPTIONAL) | F17 TANK LIMIT (HARD) |
| F1 WASH MOTOR (HARD) TO WASH | |
| F2 WASH MOTOR (HARD) TO WASH | |
- DR 003-003-002-16-A

66" ELECTRICALLY HEATED (208/230 VOLT, 60 HZ, 1-PHASE)

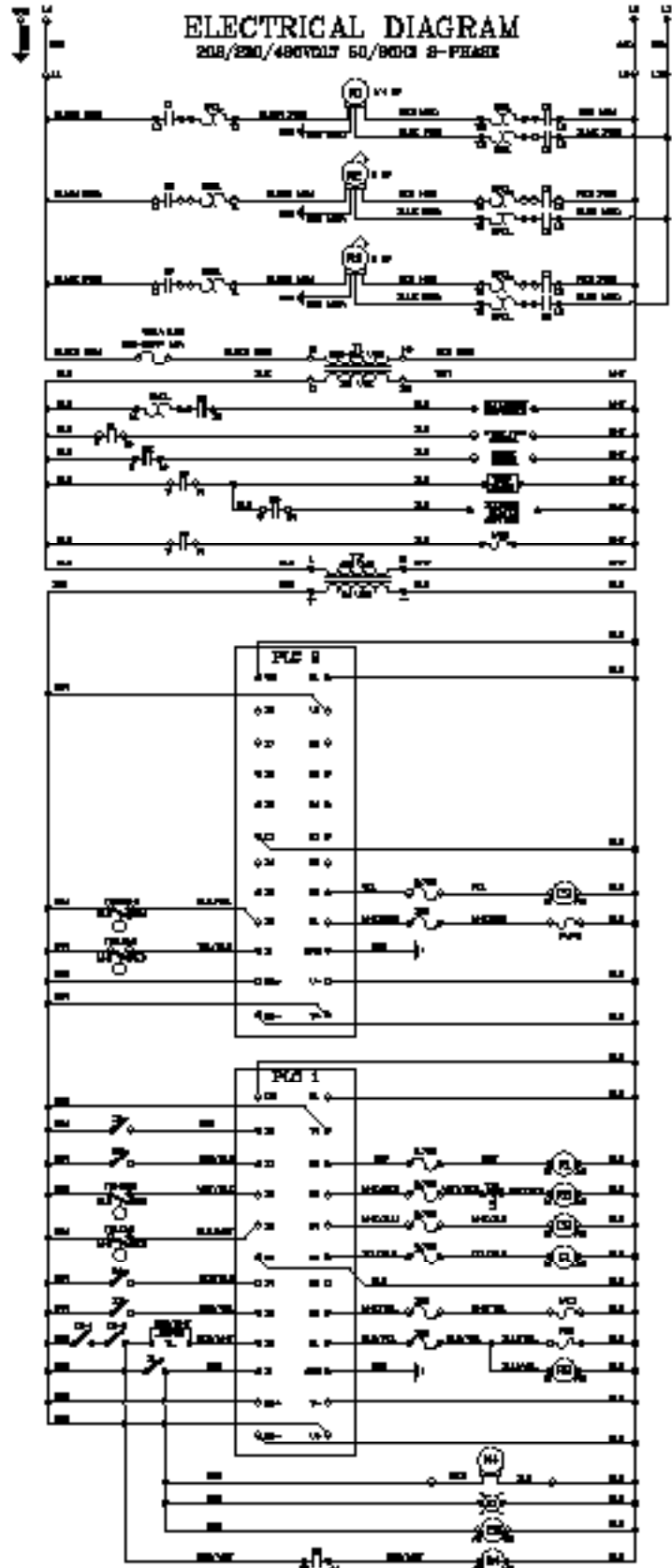


- L E D C O D**
- L1 L2 L3 PHASE DISCONNECTOR BLOCK
 - W1 WASH WATER FLEET
 - W2 WASH WATER FLEET
 - W3 WASH WATER FLEET
 - W4 WASH WATER FLEET
 - W5 WASH WATER FLEET
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 - W100 WASH WATER FLEET

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SCHEMATICS

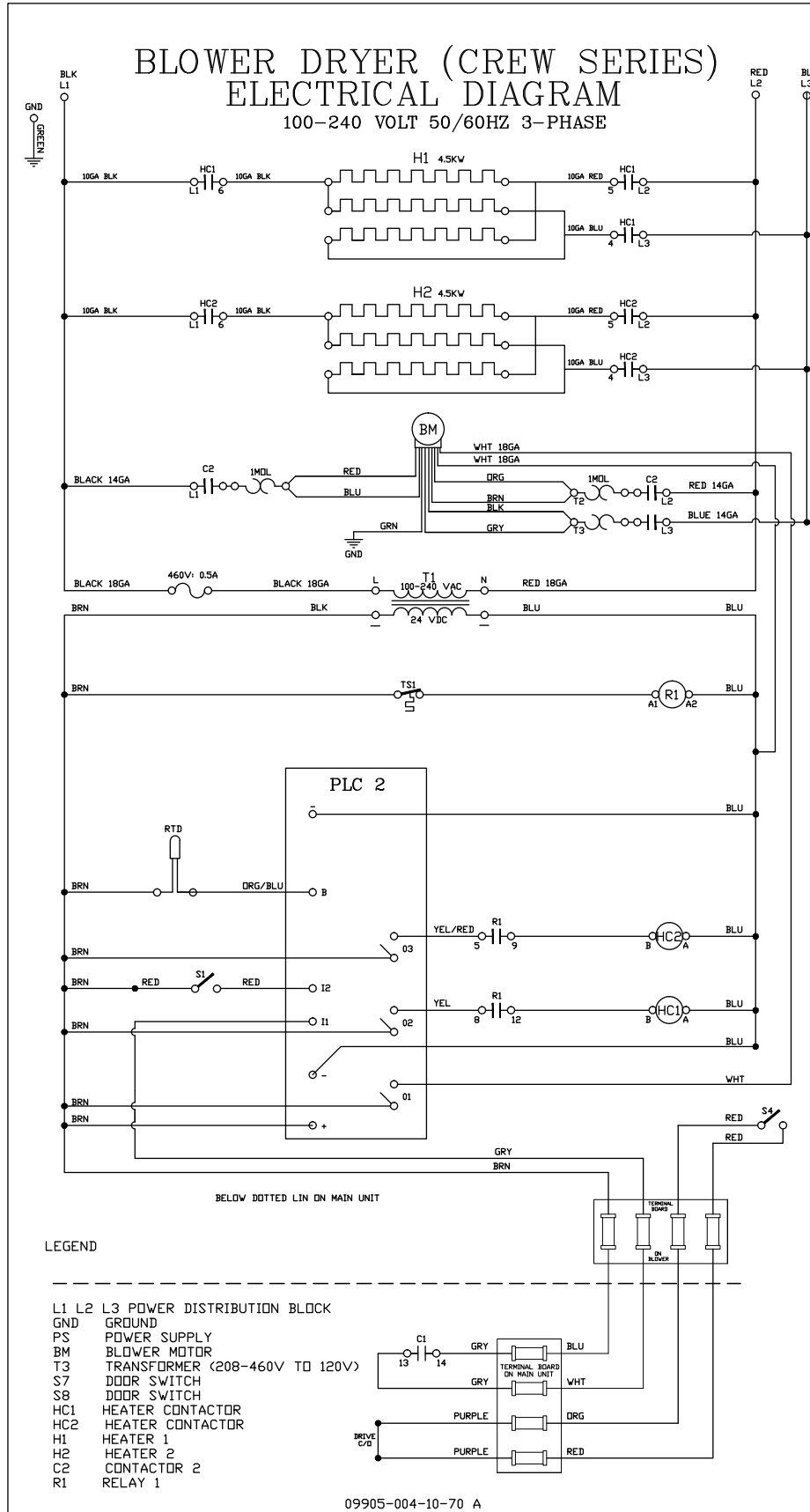
66" STEAM HEATED (208/230/460 VOLT, 60 HZ, 3-PHASE)

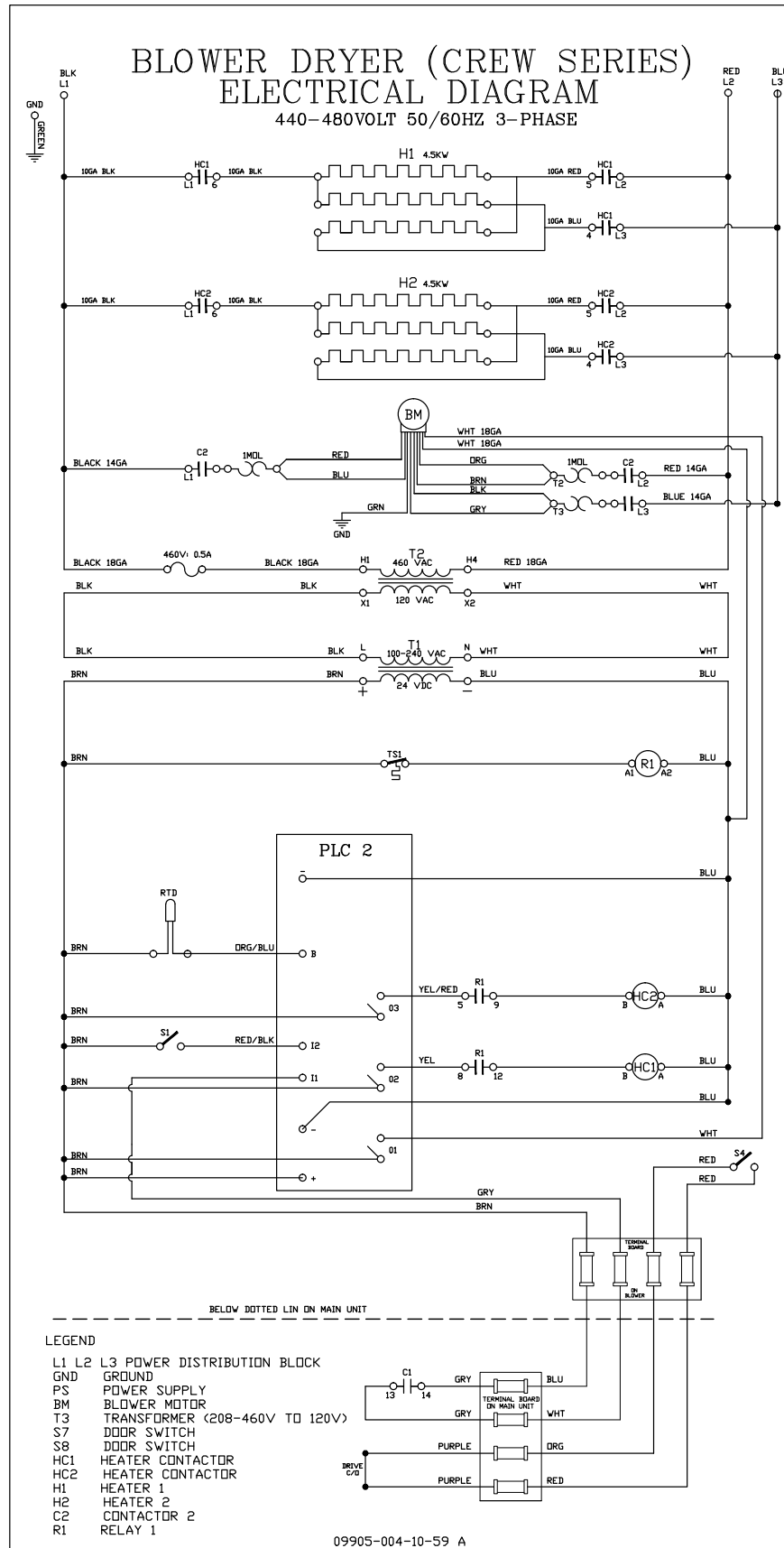


- LEGEND
- | | |
|-------------------------------------|----------------------|
| L1, L2, L3 POWER DISTRIBUTION BLOCK | F1 3PHASE TIME FLOUT |
| MSB CONTROL | F2 2PHASE TIME FLOUT |
| R1 2PHASE RELAY | R2 2PHASE RELAY |
| R3 2PHASE RELAY | R4 2PHASE RELAY |
| R5 2PHASE RELAY | R6 2PHASE RELAY |
| R7 2PHASE RELAY | R8 2PHASE RELAY |
| R9 2PHASE RELAY | R10 2PHASE RELAY |
| R11 2PHASE RELAY | R12 2PHASE RELAY |
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| R69 2PHASE RELAY | R70 2PHASE RELAY |
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| R99 2PHASE RELAY | R100 2PHASE RELAY |
- 09-003-004-00

SCHEMATICS

ELECTRICAL SCHEMATICS, 240V





MAINTENANCE & REPAIR CENTERS

ALABAMA

Jones-McLeod Appliance Svc.

1616 7th Avenue North
Birmingham, AL 35203
PHONE: (205) 251-0159
TOLL FREE: (800) 821-1150
FAX: (205) 322-1440
service@jones-mcleod.com

Jones-McLeod Appliance Svc.

854 Lakeside Drive
Mobile, AL 36693
PHONE: (221) 666-7278
TOLL FREE: (800) 237-9859
FAX: (251) 243-7616
service@jones-mcleod.com

ALASKA

Restaurant Appliance Service

7219 Roosevelt Way NE
Seattle, WA 98115
PHONE: (206) 524-8200
TOLL FREE: (800) 433-9390
FAX: (206) 525-2890
info@restappl.com

ARIZONA

Authorized Commercial Food Equipment Svc.

4832 South 35th Street
Phoenix, AZ 85040
PHONE: (602) 232-5862
acsboss@aol.com

GCS Service Inc.

Phoenix, AZ
PHONE: (602) 474-4510
TOLL FREE: (800) 510-3497
FAX: (602) 470-4511

ARKANSAS

Bromley Parts & Svc.

10th & Ringo
P.O. Box 1688
Little Rock, AR 72202
PHONE: (501) 374-0281
TOLL FREE: (800) 482-9269
FAX: (501) 374-8352
service@bromleyparts.com
parts@bromleyparts.com

GCS Service Inc.

3717 Cherry Road
Memphis, TN 38118
PHONE: (901) 366-4587
TOLL FREE: (800) 262-9155
FAX: (901) 366-4588

Jones-McLeod Appliance Svc.

854 Lakeside Drive
Mobile, AL 36693
PHONE: (221) 666-7278
TOLL FREE: (800) 237-9859
FAX: (251) 243-7616
service@jones-mcleod.com

CALIFORNIA

Barkers Food Machinery Services

5367 Second Street
Irwindale, CA 91706
PHONE: (626) 960-9390
TOLL FREE: (800) 258-6999
FAX: (626) 337-4541
service@barkers.com

Commercial Appliance Service, Inc.

281 Lathrop Way #100
Sacramento, CA 95815
PHONE: (916) 567-0203

TOLL FREE: (800) 464-2222
FAX: (916) 567-0324

Commercial Appliance Service, Inc.

6507 Pacific Avenue, Ste. 102
Stockton, CA 95207
PHONE: (916) 567-0203
TOLL FREE: (800) 464-2222
FAX: (916) 567-0266

GCS Service Inc.

Los Angeles, CA
PHONE: (213) 683-2090
TOLL FREE: (800) 327-1433
FAX: (213) 683-2099

GCS Service, Inc.

San Diego, CA
PHONE: (858) 549-8411
TOLL FREE: (800) 422-7278
FAX: (858) 549-2323

GCS Service, Inc.

Santa Ana, CA
PHONE: (714) 542-1798
TOLL FREE: (800) 540-0719
FAX: (714) 542-4787

GCS Service, Inc.

S. San Francisco, CA
PHONE: (650) 635-0720
TOLL FREE: (800) 969-4427
FAX: (650) 871-4019

Industrial Electric Svc.

5662 Engineer Drive
Huntington Beach, CA 92649
PHONE: (714) 379-7100
TOLL FREE: (800) 457-3783
FAX: (714) 379-7109

P & D Appliance

4220-C Roseville Road
North Highlands, CA 95660
PHONE: (916) 974-2772
TOLL FREE: (800) 824-7219
FAX: (916) 974-2774

P & D Appliance Svc.

100 South Linden Avenue
S. San Francisco, CA 94080
PHONE: (650) 635-1900
TOLL FREE: (800) 424-1414
FAX: (650) 635-1919
pndappl@aol.com

COLORADO**GCS Service Inc.**

Sheridan, CO
PHONE: (303) 371-9054
TOLL FREE: (800) 972-5314
FAX: (303) 371-4754

**Hawkins Commercial
Appliance Service**

3000 S. Wyandot Street
Englewood, CO 80110
PHONE: (303) 781-5548
TOLL FREE: (800) 624-2117
FAX: (303) 761-5561
johns@hawkinscommercial.com

Metro Appliance Service

1640 S. Broadway
Denver, CO 80210
PHONE: (303) 778-1126
TOLL FREE: (800) 525-3532
FAX: (303) 778-0268
metroappls@aol.com

CONNECTICUT**GCS Service Inc.**

Hartford, CT
PHONE: (860) 549-5575
TOLL FREE: (800) 423-1562
FAX: (860) 527-6355

Superior Kitchen Service Inc.

22 Thompson Road
Windsor, CT 06088
TOLL FREE: (888) 590-1899
FAX: (888) 590-1996

DELAWARE**Food Service Equipment**

2101 Parkway South
Broomall, PA 19008
PHONE: (610) 356-6900
FAX: (610) 356-2038
dancerule@aol.com

GCS Service Inc.

Philadelphia, PA
PHONE: (215) 925-6217
TOLL FREE: (800) 441-9115
FAX: (215) 925-6208

Elmer Schultz Service

36 Belmont Avenue
Wilmington, DE 19804
PHONE: (302) 655-8900
TOLL FREE: (800) 225-0599
FAX: (302) 656-3673
elmer2@erols.com

EMR Service Division

106 Williamsport Circle
Salisbury, MD 21804
PHONE: (410) 543-8197
FAX: (410) 548-4038

FLORIDA**Commercial Appliance Svc.**

8416 Laurel Fair Circle
Bldg. 6, Ste. 114
Tampa, FL 33610
PHONE: (813) 663-0313
TOLL FREE: (800) 282-4718
FAX: (813) 663-0212
commercialappliance@
worldnet.att.net

GCS Service Inc.

Miami, FL
PHONE: (305) 621-6666
TOLL FREE: (800) 766-8966
FAX: (305) 621-6656

GCS Service Inc.

Orlando, FL
PHONE: (407) 841-2551
TOLL FREE: (800) 338-7322
FAX: (407) 423-8425

GCS Service Inc.

Tampa, FL
PHONE: (813) 626-6044
TOLL FREE: (800) 282-3008
FAX: (813) 621-1174

Nass Parts & Service, Inc.

1144 Belville Road, Unit 359
Daytona Beach, FL 32114
PHONE: (386) 226-2642
TOLL FREE: (800) 432-2795
FAX: (386) 736-7695

Nass Parts & Service, Inc.

1108 South Woods Avenue
Orlando, FL 32805
PHONE: (407) 425-2681
TOLL FREE: (800) 432-2795
FAX: (407) 425-3463

MAINTENANCE & REPAIR CENTERS

Nass Parts & Service, Inc.

1376 Heide Avenue
Palm Bay, FL 32907
PHONE: (321) 952-2012
TOLL FREE: (800) 432-2795
FAX: (321) 953-0266

GEORGIA

GCS Service Inc.

Atlanta, GA
PHONE: (770) 452-7322
TOLL FREE: (800) 334-3599
FAX: (770) 452-7473

Heritage Foodservice Group of Atlanta

2100 Norcross Pkwy. Ste. 130
Norcross, GA 30071
PHONE: (770) 368-1465
TOLL FREE: (866) 388-9837
FAX: (866) 388-9838

Whaley Foodservice Repairs

109-A Owens Industrial Drive
Savannah, GA 31405
PHONE: (912) 447-0827
TOLL FREE: (888) 765-0036
FAX: (912) 447-0826

Pierce Parts & Service

2422 Allen Road
Macon, GA 31216
PHONE: (478) 781-6003
TOLL FREE: (800) 368-2512
FAX: (478) 781-7186

HAWAII

Food Equipment Parts & Service Company

300 Puuhale Road
Honolulu, HI 96819

PHONE: (808) 847-4871
FAX: (808) 842-1560
fepsco@hula.net

IDAHO

Restaurant Appliance Svc.

7219 Roosevelt Way NE
Seattle, WA 98115
PHONE: (206) 524-8200
TOLL FREE: (800) 433-9390
FAX: (206) 525-2890
info@restappl.com

Ron's Service

703 E 44th Street, Ste. 10
Garden City, ID 83714
PHONE: (208) 375-4073
FAX: (208) 375-4402

ILLINOIS

Cones Repair Svc.

2408 40th Avenue
Moline, IL 61265
PHONE: (309) 797-5323
TOLL FREE: (800) 716-7070
FAX: (309) 797-3631
jackb@cones.com

Eichenauer Services Inc.

130 S. Oakland Street
Decatur, IL 62522
PHONE: (217) 429-4229
TOLL FREE: (800) 252-5892
FAX: (217) 429-0226
esi@esiquality.com

GCS Service Inc.

Elmhurst, IL
PHONE: (630) 941-7800
TOLL FREE: (800) 942-9689
FAX: (630) 941-6048

GCS Service Inc.

St. Louis, MO
PHONE: (314) 683-7444
TOLL FREE: (800) 284-4427
FAX: (314) 638-0135

General Parts, Inc.

248 James Street
Bensonville, IL 60106
PHONE: (630) 595-3300
TOLL FREE: (800) 880-3604
FAX: (630) 595-0006

INDIANA

GCS Service Inc.

Indianapolis, IN
PHONE: (317) 545-9655
TOLL FREE: (800) 727-8710
FAX: (317) 549-6286

GCS Service Inc.

B622 La Pas Trail
Indianapolis, IN 49268
PHONE: (317) 290-8060
TOLL FREE: (800) 410-9794
FAX: (317) 290-8085

IOWA

Goodwin Tucker Group

2900 Delaware Avenue
Des Moines, IA 50317
PHONE: (515) 262-9308
TOLL FREE: (800) 372-6066
FAX: (515) 262-2936
parts@goodwintucker.com

Cones Repair Svc.

1056 27th Avenue SW
Cedar Rapids, IA 52404
PHONE: (319) 365-3325
TOLL FREE: (800) 747-3326
FAX: (319) 365-0885

KANSAS**GCS Service Inc.**

Kansas City, MO
PHONE: (816) 920-5999
TOLL FREE: (800) 229-6477
FAX: (816) 920-7387

General Parts, Inc.

1101 E. 13th Street
Kansas City, MO 64106
PHONE: (816) 421-5400
TOLL FREE: (800) 279-9967
FAX: (816) 421-1270

KENTUCKY**Certified Service Center**

127 Dishman Lane
Bowling Green, KY 42101
PHONE: (270) 783-0012
TOLL FREE: (877) 907-0012
FAX: (270) 783-0058

Certified Service Center

Ramco Business Park
4283 Produce Road
Louisville, KY 40218
PHONE: (502) 964-7007
TOLL FREE: (800) 637-6350
FAX: (502) 964-7202
cwalker@certifiedsc.com
droenigk@certifiedsc.com

Certified Service Center

1051 Goodwin Drive
Lexington, KY 40505
PHONE: (606) 254-8854
TOLL FREE: (800) 432-9269
FAX: (606) 231-7781
jatkings@certifiedsc.com

GCS Service Inc.

Lexington, KY
PHONE: (606) 255-0746
TOLL FREE: (800) 432-9260
FAX: (606) 255-0748

GCS Service Inc.

Louisville, KY
PHONE: (502) 367-1788
TOLL FREE: (800) 752-6160
FAX: (502) 367-0400

LOUISIANA**Heritage Service Group**

1532 River Oaks West
New Orleans, LA 70123
PHONE: (504) 734-8864
TOLL FREE: (800) 499-2351
FAX: (504) 733-2559

MAINE**GCS Service Inc.**

Chelsea, MA
PHONE: (617) 889-9393
TOLL FREE: (800) 225-1155
FAX: (617) 889-1222

Massachusetts Restaurant Supply

34 South Street
Somerville, MA 02143
PHONE: (617) 868-1930
TOLL FREE: (800) 338-6737
FAX: (617) 686-5331

Pine Tree Food Equipment

175 Lewiston Road
Gray, ME 04039
PHONE: (207) 657-6400
TOLL FREE: (800) 540-5427
FAX: (207) 654-5464

MARYLAND**EMR Service Division**

700 East 25th Street
Baltimore, MD 21218
PHONE: (410) 467-8080
TOLL FREE: (800) 879-4994
FAX: (410) 467-4191
baltparts@emrco.com

EMR Service Division

5316 Sunnyside Avenue
Beltsville, MD 20715
PHONE: (301) 931-7000
TOLL FREE: (800) 348-2365
FAX: (301) 931-3060
baltparts@emrco.com

GCS Service Inc.

Silver Spring, MD
PHONE: (301) 585-7550 (DC)
(410) 792-0338 (BALT)
TOLL FREE: (800) 638-7278
FAX: (301) 495-4410

MASSACHUSETTS**Ace Service Co.**

95 Hampton Avenue
Needham, MA 02494
PHONE: (781) 449-4220
TOLL FREE: (800) 225-4510
(MA & NH)
FAX: (781) 444-4789
taceservice@aol.com

Massachusetts Restaurant Supply

34 South Street
Somerville, MA 02143
PHONE: (617) 868-1930
TOLL FREE: (800) 338-6737
FAX: (617) 868-5331

MAINTENANCE & REPAIR CENTERS

GCS Service Inc.

Chelsea, MA

PHONE: (617) 889-9393

TOLL FREE: (800) 723-1562

FAX: (617) 889-1222

GCS Service Inc.

Hartford, CT

PHONE: (860) 549-5575

TOLL FREE: (800) 723-1562

FAX: (860) 527-6355

Superior Kitchen Service Inc.

399 Ferry Street

Everett, MA 02149

PHONE: (617) 389-1899

TOLL FREE: (888) 590-1899

FAX: (617) 389-1996

MICHIGAN

GCS Service Inc.

Livonia, MI

PHONE: (248) 426-9500

TOLL FREE: (800) 772-2936

FAX: (248) 426-7555

Jackson Service Company

3980 Benstein Road

Commerce Township, MI 48382

PHONE: (248) 363-4159

TOLL FREE: (800) 332-4053

FAX: (248) 363-5448

GCS Service Inc.

Grand Rapids, MI

PHONE: (616) 241-0200

TOLL FREE: (800) 823-4866

FAX: (616) 241-0541

MINNESOTA

GCS Service Inc.

Minneapolis, MN

PHONE: (612) 546-4221

TOLL FREE: (800) 345-4221

FAX: (612) 546-4286

General Parts, Inc.

11311 Hampshire Avenue South

Bloomington, MN 55438-2456

PHONE: (952) 944-5800

TOLL FREE: (800) 279-9980

FAX: (800) 279-9980

MISSISSIPPI

GCS Service Inc.

Jackson, MS

PHONE: (601) 956-7800

TOLL FREE: (800) 274-5954

FAX: (601) 956-1200

GCS Service Inc.

Memphis, TN

PHONE: (901) 366-4587

TOLL FREE: (800) 262-9155

FAX: (901) 366-4588

MISSOURI

GCS Service Inc.

Kansas City, MO

PHONE: (816) 920-5999

TOLL FREE: (800) 229-6477

FAX: (816) 920-7387

GCS Service Inc.

St. Louis, MO

PHONE: (314) 638-7444

TOLL FREE: (800) 284-4427

FAX: (314) 638-0135

General Parts, Inc.

1101 East 13th Street

Kansas City, MO 64106

PHONE: (816) 421-5400

TOLL FREE: (800) 279-9967

FAX: (816) 421-1270

Kaemmerlin Parts & Svc.

2728 Locust Street

St. Louis, MO 63103

PHONE: (314) 535-2222

FAX: (314) 535-6205

petek@kps.stl.com

MONTANA

Restaurant Appliance Svc.

7219 Roosevelt Way NE

Seattle, WA 98115

PHONE: (206) 524-8200

TOLL FREE: (800) 433-9390

FAX: (206) 525-2890

info@restappl.com

NEBRASKA

Goodwin Tucker Group

7535 D Street

Omaha, NE 68124

PHONE: (402) 397-2880

TOLL FREE: (800) 228-0342

FAX: (402) 397-2881

askme@goodwintucker.com

NEVADA

GCS Service Inc.

Las Vegas, NV

PHONE: (702) 450-3495

TOLL FREE: (800) 500-9060

FAX: (702) 450-3491

Hi Tech Commercial Service

1840 Stella Lake Street
North Las Vegas, NV 89106
PHONE: (702) 649-4616
TOLL FREE: (877) 924-4832
FAX: (702) 649-4607
larry@hitechnv.com

Hi Tech Commercial Service

5454 Louie Lane
Reno, NV 89511
PHONE: (775) 852-9696
FAX: (775) 852-5104

NEW HAMPSHIRE**Ace Service Co.**

95 Hampton Avenue
Needham, MA 02494
PHONE: (781) 449-4220
TOLL FREE: (800) 225-4510
(MA & NH)
FAX: (781) 444-4789
taceservice@aol.com

GCS Service Inc.

Chelsea, MA
PHONE: (617) 889-9393
TOLL FREE: (800) 225-1155
FAX: (617) 889-1222

Massachusetts Restaurant Supply

34 South Street
Somerville, MA 02143
PHONE: (617) 868-1930
TOLL FREE: (800) 338-6737
FAX: (617) 868-5331

NEW JERSEY**Elmer Schultz Services**

201 W. Washington Avenue
Pleasantville, NJ 08232

PHONE: (609) 641-0317
TOLL FREE: (800) 378-1641
FAX: (609) 641-8703
elmer2@erols.com

GCS Service Inc.

East Rutherford, NJ
PHONE: (973) 614-0003
TOLL FREE: (800) 399-8294
FAX: (973) 614-0230

GCS Service Inc.

Philadelphia, PA
PHONE: (215) 925-6217
TOLL FREE: (800) 441-9115
FAX: (215) 925-6208

Jay Hill Repairs

90 Clinton Road
Fairfield, NJ 07004
PHONE: (973) 575-9145
TOLL FREE: (800) 836-0643
FAX: (973) 575-5890
jhrepair@aol.com

NEW YORK**All Island Repairs**

40-9 Burt Drive
Deer Park, NY 11729
PHONE: (631) 242-5588
FAX: (631) 242-6102

**All Service Kitchen
Equipment Repair**

10 Charles Street
New Hyde Park, NY 11040
PHONE: (516) 378-1176
FAX: (516) 378-1735

**Appliance Installation
& Service Corporation**

1336 Main Street

Buffalo, NY 14209
PHONE: (716) 884-7425
TOLL FREE: (800) 722-1252
FAX: (716) 884-0410
ais@worldnet.att.net

B.E.S.T. Inc.

3003 Genesee Street
Buffalo, NY 14225
PHONE: (716) 893-6464
TOLL FREE: (800) 338-5011
FAX: (716) 893-6466
bestserv@aol.com

Duffy's Equipment Svc.

3138 Oneida Street
Sauquoit, NY 13456
PHONE: (315) 737-9401
TOLL FREE: (800) 443-8339
FAX: (315) 737-7132
duffyequip@aol.com

GCS Service Inc.

Brooklyn, NY
PHONE: (718) 486-5220
TOLL FREE: (800) 969-4271
FAX: (718) 486-6772

Northern Parts & Svc.

21 Northern Avenue
Plattsburgh, NY 12903
PHONE: (518) 563-3200
TOLL FREE: (800) 634-5005
FAX: (800) 782-5424
info@northernparts.com

NORTH CAROLINA**Authorized Appliance
Service Center**

1020 Tuckaseegee Road
Charlotte, NC 28208
PHONE: (704) 377-4501
TOLL FREE: (800) 532-6127
FAX: (704) 377-4504

MAINTENANCE & REPAIR CENTERS

Authorized Appliance Service Center

800 N. Person Street
Raleigh, NC 27604
PHONE: (919) 834-3476
FAX: (919) 834-3477

Authorized Appliance Service Center

104 Hinton Avenue
Wilmington, NC 28403
PHONE: (910) 313-1250
FAX: (910) 313-6130

Authorized Appliance Service Center

904 S. Marshall Street
Winston-Salem, NC 27403
PHONE: (336) 725-5396
FAX: (336) 721-1289

Whaley Foodservice

8334-K Arrowridge Blvd.
Charlotte, NC 28273
PHONE: (704) 529-6242
FAX: (704) 529-1558
info@whaleyfoodservice.com

Whaley Foodservice Repairs

203-D Creek Ridge Road
Greensboro, NC 27406
PHONE: (336) 333-2333
FAX: (336) 333-2533
info@whaleyfoodservice.com

Whaley Foodservice Repairs

335-105 Sherwee Drive
Raleigh, NC 27603
PHONE: (919) 779-2266
FAX: (919) 779-2224
info@whaleyfoodservice.com

Whaley Foodservice Repairs

6418-101 Amsterdam Way
Wilmington, NC 28405
PHONE: (910) 791-0000
FAX: (910) 791-6662
info@whaleyfoodservice.com

NORTH DAKOTA

GCS Service Inc.

Minneapolis, MN
PHONE: (612) 546-4221
TOLL FREE: (800) 345-4221
FAX: (612) 546-4286

General Parts, Inc.

10 South 18th Street
Fargo, ND 58103
PHONE: (701) 235-4161
TOLL FREE: (800) 279-9987
FAX: (701) 235-0539

OHIO

Certified Service Center

890 Redna Terrace
Cincinnati, OH 45215
PHONE: (513) 772-6600
TOLL FREE: (800) 543-2060
FAX: (513) 612-6600
sbarasch@certifiedsc.com

Certified Service Center

171J-K North Hamilton Road
Columbus, OH 43213
PHONE: (614) 751-3769
TOLL FREE: (866) 862-1252
FAX: (614) 751-5792
jadkins@certifiedsc.com

Certified Service Center

6025 N. Dixie Drive
Dayton, OH 45414

PHONE: (937) 898-4040
TOLL FREE: (800) 257-2611
FAX: (937) 898-4177
dharvey@certifiedsc.com

Commercial Parts & Svc. of Columbus

5033 TransAmerica Drive
Columbus, OH 43228
PHONE: (614) 221-0057
TOLL FREE: (800) 837-8327
FAX: (614) 221-3622

Electrical Appliance Repair Svc.

5805 Valley Belt Road
Cleveland, OH 44131
PHONE: (216) 459-8700
TOLL FREE: (800) 621-8259
FAX: (216) 459-8707
tomr@electappliance.com

GCS Service Inc.

Columbus, OH
PHONE: (614) 476-3225
TOLL FREE: (800) 282-5406
FAX: (614) 476-1196

OKLAHOMA

Hagar Restaurant Equipment

1229 W. Main Street
Oklahoma City, OK 73106
PHONE: (405) 235-2184
TOLL FREE: (800) 445-1791
FAX: (405) 236-5592

OREGON

Ron's Service

16364 SW 72nd Avenue
Portland, OR 97224
PHONE: (503) 624-0890
TOLL FREE: (800) 851-4118
FAX: (503) 684-6107
lrobinson@ronsservice.com

PENNSYLVANIA**A.I.S. Commercial Parts & Service**

1816 West 26th Street
Erie, PA 16508
PHONE: (814) 456-3732
TOLL FREE: (800) 332-3732
FAX: (814) 452-4843
aiserie@aol.com

Clark Service & Parts

306 Airport Drive
Box 10
Smoketown, PA 17576
PHONE: (717) 392-5590
TOLL FREE: (800) 678-5517
FAX: (717) 392-5735

Elmer Schultz Svc.

540 North 3rd Street
Philadelphia, PA 19123
PHONE: (215) 627-5400
FAX: (215) 627-5408
elmer2@erols.com

GCS Service Inc.

Harrisburg, PA
PHONE: (717) 564-3282
TOLL FREE: (800) 367-3225
FAX: (717) 564-9286

GCS Service Inc.

Philadelphia, PA
PHONE: (215) 925-6217
TOLL FREE: (800) 441-9115
FAX: (215) 925-6208

GCS Service Inc.

Pittsburgh, PA
PHONE: (412) 787-1970
TOLL FREE: (800) 738-1221
FAX: (412) 787-5005

K & D Parts and Service Co.

1833-41 N. Cameron Street
Harrisburg, PA 17103
PHONE: (717) 236-9039
TOLL FREE: (800) 932-0503
FAX: (717) 238-4367
kdparts-service@paonline.com

RHODE ISLAND**GCS Service Inc.**

East Providence, RI
PHONE: (401) 434-6803
TOLL FREE: (800) 462-6012
FAX: (401) 438-9400

Superior Kitchen Service Inc.

669 Elmwood Avenue
Providence, RI 02907
TOLL FREE: (888) 590-1899
FAX: (401) 781-1996

SOUTH CAROLINA**Authorized Appliance Servicecenter**

1811 Taylor Street
Columbia, SC 29202
PHONE: (803) 254-8414
FAX: (803) 254-5146

Authorized Appliance Servicecenter

2249 Augusta Road
Greenville, SC 29605
PHONE: (864) 235-9616
FAX: (864) 235-9623

Whaley Foodservice Repairs

748 Congaree Road
Greenville, SC 29607
PHONE: (864) 234-7011
TOLL FREE: (800) 494-2539

FAX: (864) 234-6662
info@whaleyfoodservice.com

Whaley Foodservice Repairs

1406-C Commerce Place
Myrtle Beach, SC 29577
PHONE: (843) 626-1866
FAX: (843) 626-2632
info@whaleyfoodservice.com

Whaley Foodservice Repairs

4740-A Franchise Street
N. Charleston, SC 29418
PHONE: (843) 760-2110
FAX: (843) 760-2255
info@whaleyfoodservice.com

Whaley Foodservice Repairs

I 26 & US 1
P.O. Box 4023
West Columbia, SC 29170
PHONE: (803)791-4420
TOLL FREE: (800) 877-2662
FAX: (803) 794-4630
info@whaleyfoodservice.com

SOUTH DAKOTA**GCS Service Inc.**

Minneapolis, MN
PHONE: (612) 546-4221
TOLL FREE: (800) 345-4221
FAX: (612) 546-4286

General Parts, Inc.

10 South 18th Street
Fargo, ND 58103
PHONE: (701) 235-4161
TOLL FREE: (800) 279-9987
FAX: (701) 235-0539

MAINTENANCE & REPAIR CENTERS

TENNESSEE

GCS Service Inc.

Memphis, TN
PHONE: (901) 366-4587
TOLL FREE: (800) 262-9155
FAX: (901) 366-4588

GCS Service Inc.

Nashville, TN
PHONE: (615) 244-8050
TOLL FREE: (800) 831-7174
FAX: (615) 244-8885

TEXAS

Armstrong Repair Center

5110 Glenmount Drive
Houston, TX 77081
PHONE: (713) 666-7100
TOLL FREE: (800) 392-5325
FAX: (713) 661-0520
gm@armstrongrepair.com

Commercial Kitchen Repair Co.

1377 N. Brazos
P.O. Box 831128
San Antonio, TX 78207
PHONE: (210) 735-2811
TOLL FREE: (800) 292-2120
FAX: (210) 735-7421
brock@commercialkitchen.com

GCS Service Inc.

Dallas, TX
PHONE: (972) 484-2954
TOLL FREE: (800) 442-5026
FAX: (972) 484-2531

GCS Service Inc.

Houston, TX
PHONE: (713) 785-9187
TOLL FREE: (800) 868-6957
FAX: (713) 785-3979

GCS/Stove Parts

2120 Solana Street
Fort Worth, TX 76117
PHONE: (817) 831-0381
TOLL FREE: (800) 433-1804
FAX: (817) 834-7754
bud@stoveparts.com

UTAH

La Monica's Restaurant

Equipment Svc.
6182 South Stratler Avenue
Murray, UT 84107
PHONE: (801) 263-3221
TOLL FREE: (800) 527-2561
FAX: (801) 263-3229
lamonica81@aol.com

VERMONT

GCS Service Inc.

Chelsea, MA
PHONE: (617) 889-9393
TOLL FREE: (800) 225-1155
FAX: (617) 889-1222

Northern Parts & Svc.

4874 S. Catherine Street
Plattsburgh, NY 12901
PHONE: (518) 563-3200
TOLL FREE: (800) 634-5005
FAX: (800) 782-5424
info@northernparts.com

VIRGINIA

Daubers, Inc.

7645 Dynatech Court
Springfield, VA 22153
PHONE: (703) 866-3600
TOLL FREE: (800) 554-7788
FAX: (703) 866-4071
daubers@aol.com

GCS Service Inc.

Richmond, VA
PHONE: (804) 672-1700
TOLL FREE: (800) 899-5949
FAX: (804) 672-2888

GCS Service Inc.

Silver Spring, MD
PHONE: (301) 585-7550 (DC)
(410) 792-0338 (BALT)
TOLL FREE: (800) 638-7278
FAX: (301) 495-4410

GCS Service Inc.

Virginia Beach, VA
PHONE: (757) 464-3500
TOLL FREE: (800) 476-4278
FAX: (757) 464-4106

WASHINGTON

GCS Service Inc.

Seattle, WA
PHONE: (206) 763-0353
TOLL FREE: (800) 211-4274
FAX: (206) 763-5943

Restaurant Appliance Service

7219 Roosevelt Way, NE
Seattle, WA 98115
PHONE: (206) 524-8200
TOLL FREE: (800) 433-9390
FAX: (206) 525-2890
info@restappl.com

WEST VIRGINIA

Statewide Service, Inc.

603 Main Avenue
Nitro, WV 25143
PHONE: (304) 755-1811
TOLL FREE: (800) 441-9739
FAX: (304) 755-4001
sws3182@aol.com

WISCONSIN**Appliance Service Center**

786 Morris Avenue
Green Bay, WI 54304
PHONE: (920) 496-9993
TOLL FREE: (800) 236-0871
FAX: (920) 496-9927
ascfox@execpc.com

Appliance Service Center, Inc.

2439 Atwood Avenue
Madison, WI 53704
PHONE: (608) 246-3160
TOLL FREE: (800) 236-7440
FAX: (608) 246-2721
ascmad@execpc.com

Appliance Service Center, Inc.

6843 W. Beloit Road
West Allis, WI 53219
PHONE: (414) 543-6460
TOLL FREE: (800) 236-6460
FAX: (414) 543-6480
ascmil@execpc.com

General Parts, Inc.

W223 N735 Saratoga Drive
Waukesha, WI 531-86
PHONE: (262) 650-6666
TOLL FREE: (800) 279-9946
FAX: (262) 650-6660

WYOMING**Hawkins Commercial**

Appliance Service
3000 S. Wyandot Street
Englewood, CO 80110
PHONE: (303) 781-5548
TOLL FREE: (800) 624-2117
FAX: (303) 761-5561
johns@hawkinscommercial.com

Metro Appliance Service

1640 S. Broadway
Denver, CO 80210
PHONE: (303) 778-1126
TOLL FREE: (800) 525-3532
FAX: (303) 778-0268
metroappls@aol.com

INTERNATIONAL**Global Parts and Supply**

7758 NW 72nd Street
Miami, FL 33166
PHONE: (305) 885-6353

H.D. Sheldon & Company

19 Union Square, West
New York, NY 10003
PHONE: (212) 924-6920
FAX: (212) 627-1759

The Garland Group

1177 Kamato Road
Mississauga, Ontario
L4W 1X4
PHONE: (905) 206-8380
Sales
PHONE: (905) 624-1419
FAX: (905) 624-1851
Service
TOLL FREE: (800) 427-6668
FAX: (800) 361-7745

